Reproducible Miracle

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1 Preface

This book presents 19 based system with reproducible coding evidences that I discovered, tested and witnessed in a book fully written 1387 years ago (632) than the publication date (2019) of this book. Most of the codings could only be practically realized by the invention of computers. You will not only witness some of the miraculous examples of the 19 based codings but also have the ability to easily test them yourself by running the R programming codes I will provide along with each coding evidence. It means all the evidences presented in this book are easily *reproducible*. Hence, the title as "*Reproducible Miracle*". You can analyze the codes for sanity check and even modify them to try your own different hypothesis on the text of the book under consideration. The book, in which I discovered the 19 based system, states that it is the word of God, sent by God to all humanity as the final and ultimate message and will also be always protected by God and thus must be unchanged. This book is Quran, the book of Islam religion that has around 1.8 billion adherents that makes up about 24% of the world population. I will demonstrate many reproducible evidences based on the codings of its text over number 19, which could only be realized and tested practically by the invention of computers.

To the best of my knowledge, almost all the 19 based coding evidences, presented in this book, were hypothesized, tested and witnessed first time by myself and will be revealed first time in this book. If I later realize that any of those evidences were already available in the literature before, then I will update this information in the book's online version. Therefore, this book is the first of its kind that provides easily testable and reproducible codes for testing evidences of the 19 based codings in the text of Quran.

Also, this book uses the **full text** of Quran that was transmitted in Arabic from the very beginning since around 632. It has in total **6348 verses, which include 6236 numbered verses and 112 unnumbered repeated Basmala verses**. In particular, I use the *Hafs mushaf* as the text of Quran, which is the most common one and is used by around 97% of Muslims. I declare here that I did not change or manipulated any part of Quran not even any of the letters of the original text. Therefore, this book has no relation to the early attempts on 19 based coding claims on the text of Quran, where acclaimed author and his followers, unfortunately, manipulated parts of the text to end up with their own made up 19 system claim, which was unacceptable regarding scientific data analysis. Because, once the text is

manipulated to show the computed numbers match to 19, then it is not the evidence of the original text anymore but a made up numerology study of the manipulators. In the end, it is no surprise to get a desired result by manipulating any data! Data scientists often use this very famous quote of a Nobel economist to explain the situation:

> "If you torture the data long enough, it will confess to anything." - Ronald Coase

Therefore, to make sure this study has a scientific approach with respect to analyzing the text data, I use the text of Quran as it was fully revealed 1387 (19x73) years ago (regarding the first publication date of this book, 2019) and written down and still available in our hands *as is*. By the way, the digits sum of 1387 (1+3+8+7) is also 19. These two simple date examples are quite interesting only to me and thus I do not mention these two interesting examples as evidences but as interesting facts for myself as only I can now for sure the discovery date of the system.

Back to the main point, I declare again that I did not make any change regarding the original text and I did not even touch to a single letter of it. It is also worth mentioning that I would be considered as mostly *illiterate* by any Arabic speaker as I can just somewhat read Quran if the helper punctuation marks are made available in the text but cannot understand it except for some of the verses that I had memorized. I can only fully understand English and Turkish. I never wrote a single Arabic word by myself on a computer. I will discuss about the usefulness of this inability in the end of the book, but in short, this situation forces me to analyze the text of Quran as is with straight forward mathematical and algorithmic tests almost blindly on the main numbers of text of Quran using computer programming. Even if I wanted to intervene, I do not have the capability to intervene to an Arabic text. This situation also proves that anyone with scientific knowledge could decode and witness the 19 based coding system of the text of Quran and it was not really a secret for only Arabic speakers. As any ordinary investigator can do, I downloaded the pure text of Quran from tanzil.net/download and tested some of my own hypothesis I had in mind. Since my approach is reproducible by anyone and thus unique and also the amount of evidences I witnessed was very large and rule based, I decided to write all those evidences along with their proofs as easily reproducible tests. And this book emerged as "Reproducible Miracle" whose title kind of forced me to be as is!

2 Introduction for book

The title of this book is numerically encoded.

Imagine you live in the old times where no computer or printing technology yet exist and books are written by hand. You are writing a very important book for the goodness of humanity on earth. Fans of evil also looks for ways to distort this good message as they are

not fan of humanity. Over it is nineteen. You also want to make sure that your book remains intact and not even a single letter of it is changed by the publishers in the future copies of your book, even when you are no longer living. How can you succeed that? Not to mention, at old times, communication is very limited and prone to distortions.

By the way, have you already realized the encoding of the title of this book and got its message by now? If not, I will explain it later or you can give it one more try! Let's get back to the subject for now with a more relevant technical example in the next section.

2.1 One technical example

This problem is similar to error control coding (ECC) in telecommunications of science. Basically, when signals are sent at the transmitter side via wires or air or in any other medium, they are naturally distorted by noise from various sources. This causes the transmitted signal to be received as distorted at the receiver side. Consequently, a wrong message is received than original transmitted one. ECC is a telecommunications field that particularly aims to deal this specific problem. As an example, a very simple algorithm of an ECC is the parity-check codes, which is still in use in some communication protocols. As an example of its implementation, let's say we want to send two digit binary numbers 1 and 0 from the transmitter. So, the message to be sent is "10". This is not decimal ten but binary one and zero in two binary digits. If we send this message as is and if one of the binary digits (bits) are distorted and thus changes during the transmission then at the receiver side we might obtain an incorrect message such as "11" instead of the original message"10". *Without asking if the message is correct or not to the transmitter side*, we have no way of knowing if the message is correctly received or not. Because we cannot ask to the transmitter for this as it would make communicating remotely meaningless. If we had the ability to ask the correct message directly, then why would one send the message from a distance at the first place. ECC science provides solutions for this problem. This time, let's us an algorithm of ECC and encode the exemplary message "10" with a simple *even* parity-check algorithm. Instead of sending the original two bits message "10", we encode it as "101" by **concatenating** one more redundant digit to the end of the message. This makes the sum of all the digits of the message as two which is an even number or, in other words, it is now multiple 2. The last concatenated bit (binary digit) is the parity bit we added for **detecting** the error if it occurs. So, at the receiver side, if we already know the coding system such that the original message was always encoded by even-parity check algorithm, then we have the ability to understand if the message is distorted or not at some level at the receiver side without asking to the transmitter. As an example error event, let's say the message was again distorted by one bit and we received it as "111" instead of the original transmitted and encoded message "101". The receiver checks the sum of the digits, because there is an ECC system in the communication now. The sum is 3 and this is not an even message like it must have always been so by the coding rule of the communication system.

Therefore, based on the system of the encoded communication, the receiver detects that the message contains error and do not trust this message and discards it in this simple case. ECC is a large field and there are much more complex algorithms that are also able to correct the errors in the message at some level.

It is also worth emphasizing that in the simple ECC example, we observed an algorithm that defines the set of rules and we also observed **concatenation** operation as part the algorithm. A communication with such a design is generally referred as a communication **system**.

Interesting enough, I have my PhD in ECC and even had developed and published my own ECC algorithms in the telecommunications field (Altay and et.al. 2006a), (Altay and et.al. 2006b), (Altay 2008). Therefore, when I realized about the earlier 19 based coding system claims in the text of Quran, my first impression was that, all-knowing God might have encoded the text of Quran similar to ECC to assure us that the message is always intact and not changed at all. This is particularly important in our current time in which materialism and advance science are flourished and people of knowledge always wants to see evidences to be convinced on any topic. If there is a coding system in the text of Quran that can be practically tested, then this would be an important scientific evidence of the message of God for the minds of this time who got used to approve only testable and reproducible facts.

2.2 Decoding the encoding

After the above long technical example of coding, it is time to explain the coding in the title of this book for the readers who could not find out it yet. The number of letters of the title "Reproducible Miracle" is 19. I had also given a hint on this by writing the number 19 in a short sentence above as "Over it is nineteen" out of context. The number of letters in any title would normally be a random number. However, I also mentioned the key number for my encoding within the text in a unique and bizarre way. If the number of letters in the title is equal to the number stated in the book then this is very unlikely to occur by chance but most likely to be designed that way by the author. As the author of this book, I can assure you that I designed the title of my book deliberately! If there are many other similar encodings in the book. then you can easily come to the conclusion that, these are design patterns and not random coincidences.

In fact, if you are careful enough, you might have realized the second coding in the title of this sub-section! Since you learned the approach from the coding in the main title, I will leave the other one to you and will not explain it here again!

One thing to note from these two encodings by 19 in this small text portion of the book should tell you that these two events can almost only be done by design but not with a mere coincidence. As the author of this book, I tell you that both of the titles were different than

the current forms. They were longer and more descriptive. However, I wanted to demonstrate codings in a text in real time while you are reading about it as examples. As a result, the titles ended up in different forms but with the identical meanings to their longer basic versions.

Also, I want to share my personal feelings about the main title of this book. It was about two times more of the current title. Then, I wanted to match it exactly to 19 by adjusting the number of letters in it and tried a very short one. At my *first attempt*, I tried the current title "Reproducible Miracle" and it just matched to 19. I was quite surprised and again **personally** thought that this particular title is also not a mere coincidence and it was meant to be so. My own impression led me to the conclusion that the title should be as is and it was probably beyond my personal preference. God knows best and this is just my gut feeling on it. I will talk about the importance of its meaning later in more detail while discussing about the meaning of a miracle in general in the end.

2.3 Related verses of unchanged Quran and motivation

There is this unique verse that refers to number 19 with no **explicit** meaning.

> "Over it is Nineteen", Quran, 74:30.

There is no other verse like this special one out of all the other 6348 verses. This states directly an isolated number and focuses our attention to it without any other information in this independent verse. Scholars look at the other neighboring verses and **interpret** from the context that this number might be referring the number of guardian angels. It may well be correct but it may also be correct that this number is the key number *over it is (19)* a protective coding system was designed to present evidences that the text of Quran has been protected as promised by the Author of Quran. There are verses in Quran from which we understand that Quran is intact and will be unchanged and protected.

> "We, indeed We, it is We who have sent down the Reminder, and indeed it is We who will preserve it.", Quran, 15:9
>
> "This is the book in which there is no doubt, a guide for the conscientious.", Quran, 2:2

Also, here are some of the verses that mentions that the book is collected and arranged as in its form:

> Do not try to hurry it up with your tongue; (Quran 75:16, quran.com, Dr. T. B. Irving)
>
> it is up to Us to **collect** it, as well as [to know how] to recite it. (Quran, 75:17)
>
> So whenever We do read it, follow in its reading; (Quran, 75:18)

> And those who disbelieve say: Why is the Qur'an not revealed unto him all at once? (It is revealed) thus that We may strengthen thy heart therewith; and We have arranged it in right order. (Quran, 25:32, quran.com, Pickthall)

These are some of the verses I came across and I consider them as supporting information for the goal of this book, which is to test whether the text of Quran was designed by a coding system, which provides systematic code evidences to indicate that the Quran has been unchanged since 632 for the last 1387 years.

The important point is that no matter you already believe that Quran is the book sent by God or not, we have scientifically proven very old book dated back to around 7th century and we read the above mentioned verses that might suggest that there might be a design in the text of it. We also observe that the design of the text of this old book is also unique and there is probably no such book exists regarding the design of its text and organization. Then it is certainly worth testing to see if there is indeed any 19 based coding system in this old text. This is what exactly I attempted to do and witnessed that indeed there is a 19 based coding system in the text. I probably could not have discovered all the codings and their associated rules but I certainly have observed sufficient evidences to rationally come to this conclusion.

2.4 Summary

In this book, I will provide reproducible evidences of some of the important 19 based codings in the text of Quran, which I hypothesized, tested, discovered and witnessed as a general 19 based system of the full text of Quran. I will also provide the rules of the evidence codes and present 19 based system, or in other words, 19 System over the text of Quran based on my observation and judgment. I provided all the programming scripts along with each evidence in order to make them testable to eradicate doubts on the historical and universal truths about the codes to make sure they can be easily *reproducible*. For this, I will use R programming language (www.r-project.org) to provide reproducible tests. I had started this study with the intention to test some of the existing claims about the 19 based codings on the text of Quran around last Ramadan month of Muslims (or early 2019). Then, I also tried some of my own hypothesis, of which some of them have been validated. Then, I hypothesized more codes and validated more and ended up with this book. Since the tests I perform in this book based on open source software rather than a user interface based application or manually counting the numbers, anyone with a tiny level of programming experience can analyze my R codes and run them by simply copy paste operations in their computers and reproduce and witness the results that I will present in this book. Anyone who analyses the codes I will share in this book and run and test the results might attain to the level of knowledge, which is knowing the truth by heart. Otherwise, even if the existing acclaimed cases on 19 based codings within Quran are

correct, minds and hearts are always in doubt as they are not easily testable by readers as it is almost not practical for most. For the ones with negative prejudices, this situation causes ignoring and not witnessing to the truth. It also lefts the Muslims who want to test before believing it with a burden of testing the claims manually, which is almost impractical for 99% of them. End result of this situation is a big barrier between a universal truth and humanity. I mainly aim to demonstrate reproducible tests on the 19 based codings of the text of Quran and provide the software material so that the ones who wish to try themselves can easily perform and witness the tests and attain to the knowledge of the truth by heart without any doubt. I also calculate the probability of observing the presented evidences by chance alone to make sure we have a rational conclusion over the witnessed 19 System in the end.

2.5 How to read and asses this book. God knows best, let be cautious

After you finish this introduction chapter, I suggest you directly go to the chapter where main system evidence presented, which are Chapter 4 and Chapter 5. You should spend your energy and motivation more efficiently to witness the 19 System presented in this book as the presented system has many evidence codes and it might be mentally tiring to finish all. Therefore, in those two chapter you will start witnessing the 19 System code evidences initially. After finishing the two chapters, then you can complete the rest of the chapters in order or as you wish. I wanted to give this guidance as this book has too many technical details and also many additional codes presented as additional information for future reference. I tried to write this book in an academic book format and thus the order of chapters as is. For example the next chapter has information about the general rules, R functions and preparing the Quran text data for analysis. It has to be there as we will use their result in the following chapters of evidences.

Rules are more important than the codes presented and they were harder to define based on my observations and also what universally make most sense. Without a defined rules of a claimed system, no one can claim any such system. Because without the rules, we cannot know the boundaries of the claimed system and thus we cannot know the possible number of code trials within those boundaries. We can only measure the probability of a claimed system if meaningful rules are defined for the claimed system. In this book this is what I tried to fulfill and it was the hardest part of all my research. As far as I know this is the only book, where such 19 System claim has all the general and meaningful rules are defined. As a scientist, who wrote many peer reviewed journal publications, I tried my best to fulfill this aspect as best as possible. I first published book was in 2019 and improved it after a few years along with the rules I had defined initially. In my last major upgrade in November 20, 2023, I tried my best to generalize the rules as much as possible as well along with my new code discoveries until now. On the other hand, it quite a difficult task and I might not have performed a perfect work and there might still be some room to improve upon them. So,

feel free to contemplate codes along with the entailing codes I presented and see if you see any better rule among the evidence codes I presented. You might even discover new codes that I might not have discovered yet, which might perfectionate the current rules. So, in short, I do not claim that I discovered the full available system but I claim that the 19 System I discovered over the text of Quran is miraculous and suggest that there is an intact coding system over the text of Quran. It consequently suggest that the text of Quran is also intact. Because if the the text was distorted, we would most likely not witnessed the system I present in this book.

However, I am just an ordinary Muslim and cannot know the absolute truth. **Only God knows best** and only he knows whether all or some or none of the codes that I discovered and presented in this book were in fact designed by God or all we observe is just the result of an extremely small random chance. As a scientist, who has PhD in Error Control Coding (or Message coding), I can only search for available codes of a potential system and try my best to define its rules if what I observe is a rule based system and then using the rules I can get the number of trials and successes and failures and then I can measure the probability of what I observe. The probability of the overall system is extremely small as you can see in my book. The rules are also meaningful and quite general. Therefore, my expert level educated *conclusion* is that there is a miraculous 19 System design over the text of Quran and it indicates that the text of Quran is intact as we Muslims expected. Nonetheless, it is a big sin to claim anything incorrect on behalf of God. I fear from God and make it clear that all my claims are just my best conclusion over what I observe. Only God know best. My conclusion might be correct or false. The 19 System I discovered and presented might be fully or partially be correct or even might be the result of mere coincidence as there is still that measured extremely small probability of observing them by chance alone. I emphasize this point again and again to make sure even a lay person or a young people do not have the impression that I claim something as if absolute truth. Readers should read this book like an academic technical book. This book presents the 19 based codes that **suggest** a rule based 19 System, which together look miraculous from my point of view. I presented the ones I considered them as part of the overall 19 System as “evidence” and some other interesting codes that I do not consider in the 19 System only as “facts”. I might be fully or partially correct or even fully wrong in my conclusions. So, readers should make their own judgement and feel free to critically read it and discuss with others before having their own conclusion. However, I also suggest readers to be fair in their critical reading. If your mind and heart concludes like me that there is 19 based miraculous design over the full text of Quran, then you should accept the conclusion of your mind and heart but not be arrogant and deny it despite your self conclusion. Also, if you consider and accept them as miraculous design like me, you should still be humble and cautious while presenting it to other people and let them also freely and critically judge and conclude by themselves.

In any part of my book or in my social media or video shares, If I by mistake said anything that contradicts with what I described in this chapter, please ignore it and assume it was a mistake on my side, which I already corrected all of them in this chapter, once and for all. So, feel free to also inform me if you observe any such wrongdoing form my publications so that I can have chance to correct if I deem essential.

So, in short God knows best and all of my claims are just my conclusions and might not represent the absolute truth. I fear from Allah for saying anything wrong about him as it would be a big sin warned in Quran. However, I need to write and share what I discovered and conclude that there is a 19 based miraculous system exist in the text of Quran. I seek refuge to God and ask for forgiveness if I make a mistake or say anything on his behalf by mistake while writing or presenting this book. I disclose here again that all my claims are just my conclusions based on my observations and not necessarily fully correct. Read this book just as an academic study on the observations over the text of Quran and feel free to do your own conclusion. I already shared my conclusion in the book after what I witness. This book is not any sort of divine book but should be rather treated like an academic book where observations and conclusions of a scientist are shared.

2.6 Can we believe Quran without a 19 based system?

Of course, yes. I will talk about this later in detail during the discussions chapters in the end of this book. Because, it is a long discussion and not the main point of this book and I do not want readers to be distracted by this argument. Having said that, most of the Muslims took a position against 19 system claims on Quran and have negative prejudice on this topic as the authors of the first 19 system claim had manipulated Quran to make it match to their false and made up 19 system claim. I wanted to clarify this point again to clear up the potential negative prejudices of most Muslims in the content of this book. This book is not about the false and made up early 19 system claim but a new one that is based on the full text of the Arabic Quran of 6348 verse that Muslims around the world keeps reading it for centuries and is still available as is on the bookstores that all the Muslims can access. Also, I, myself, discovered all the evidences in this book except a few simple known ones. I mentioned those few already known evidences where I present in the book.

Muslims have the belief that Quran is intact and unchanged as it was revealed and completed around 1387 years ago since completed on year 632. They have already acceptable reasons to believe it. First of all, almost all 1.5 billion Muslims have the same Arabic Quran and they claim that they follow it! I will come to that later as it is another important subject to talk about but not the place to elaborate in this section. The point is if you ask any ordinary Muslim haw many Arabic text of Quran exist, you will always get answer as **one**. While I was writing about this book, as an ordinary Muslim I wanted to make sure about it and searched internet and saw some claims that there are some

exceptions. Then, I have found out that the common text, called *Hafs mushaf*, used by around %97 of Muslims and %3 use a few other version of the text with tiny differences. Dr.Shehzad Salem has along research on the topic and have a book published on the topic where he concludes that only *Hafs mushaf* is the *mutewatir* one (related by masses to next generations) and was always the common one among Muslims. His research concludes that only the *Hafs mushaf* is the fully unchanged version and there is therefore only one fully unchanged Quran and it has been already commonly used by almost all Muslims. I agree with his conclusion and my analysis is already in the *Hafs mushaf*. As an ordinary Muslim, I was not even aware of such claims until I performed an intentional search on the topic. So, having an exact Arabic Quran by almost all Muslims is an important evidence. Because, if there were some changes during the history, of hundreds of years, then we would see them spread thorough out the world and we would not be able to see almost all, around %97 of Muslims still use the same exact original Arabic text among different nations and communities.

Second reason to believe that Quran is intact and managed to arrive to our time as unchanged is the system of *Hafiz* tradition. If you go to any Muslim country, you will see that there are thousands of people called *Hafiz*. Hafiz is given as the title to the people who memorizes the whole Quran in Arabic by heart. Even if they are not Arabic speakers, they are able to memorize the whole Quran and precisely recite it. Considering all the Muslim countries, there may be tens of thousands of Hafiz people exist even at our current time of technology. Historical sources mentions that this is a tradition dates back to the time of Prophet Muhammed. There have been thousands of religions on earth from old times until now but there is only one book that has been fully and precisely memorized by tens of thousands of people on earth in the current time and before. I consider this fact as the second evidence that supports the belief of Muslims that the text of Quran is intact and unchanged.

There are also some very old Quran manuscripts that are dated back to the end of seventh century and even some parchment papers of Quran radiocarbon dated back to the time of the Prophet Muhammed such as The Birmingham Quran manuscript. One can search internet and get more information on them. I will not go into much detail on this as it requires another long and expert level scientific discussion.

The fourth evidence to believe that Quran is unchanged is its content. If you read the interpretation of Quran, one can judge herself but in my personal judgement, I have to state that the content is the best proof that it is the book from God. My heart calms down as I find answers for the meaning of my life and everything around me. Once you are convinced that these meanings are the word of God then there are verses, where God promises that Quran will be protected and there is no doubt in it.

Then why a 19 based coding would be important? Well, the above points might be more convincing for ordinary Muslims who were raised as Muslims already. It might be easier for them to accept all the above points but it might not be seen sufficient for especially non-Muslim readers of Quran. Such a 19 based coding system of the text of Quran, which could not be designed by the people of that time, indicates that the text of Quran is intact and unchanged since the completion of revelation in 632 and can help convince people who have doubts about it. It also has a function to increase the belief ("iman" in Arabic) of the Muslims who already believe in Quran as there are levels of belief depends on the knowledge one has. I believe the following verse after the verse of 19 already best describes the function of a 19 System.

The translation is from quran.com of Dr.Ghali:

> 74:30 Over it are nineteen.
>
> 74:31 And in no way have We made the Wardens (Literally: companions) of the Fire except Angels, and in no way have **We made their (right) number except as a temptation for the ones who have disbelieved, (and) that the ones to whom the Book has been brought may have certitude, and that the ones who have believed may increase in belief, and that the ones to whom the Book has been brought and the believers may not be suspicious, and that the ones in whose hearts there is sickness and the disbelievers may say, "What would Allah intend by this as a similitude?"** Thus does Allah lead into error whomever He decides, and He guides whomever He decides, and in no way does anyone know the hosts of your Lord except He. And in no way is it anything except a Reminding to the mortals.

3 The Text of Quran and Rules

I strongly advise readers to *skip this preparation chapter and start reading the coding evidences* chapters of the 19 System, especially from the chapters Chapter 4 and Chapter 5. This whole chapter has technical details about the used text and the rules and so on, which you ca later revisit and read when you have more time and energy.

3.1 About the Text of Quran

Hafs mushaf, which is used by around 97% of Muslims around the world, was used for the text analysis of Quran in this book. Under this chapter, I will discuss all the details about the text of Quran I used to perform text analysis over it. In 2019, I first started analyzing possible 19 based codings over the text of Quran to see if there is a system based on rules. I discovered many interesting codings that suggested a system. I finished the analysis and

wrote the book and published it online in September 7, 2019. The server where I downloaded the text of Quran is from the Tanzil project. From the Tanzil server at http://tanzil.net/download/, I downloaded and used the "Simple Clean" text type that does not include *haraka* marks or any pause marks or the other options available in the server. Those options already are not part of the main text. Tanzil is almost the common server for most online Quran related web sites. I did not cherry pick a version of my choice to download. The reason I downloaded the "Simple Clean" text is because, as I did not know Arabic, I searched a tutorial that performs text analysis with R computer programming language over the text of Quran and found this one at (Sharaf 2019b), which was using that "Simple Clean" text type for text analysis. So, the text type was not my choice but I followed the tutorial, which was already using the most suitable text version for the text analysis of Quran as it only contains the letter characters of words but no other helper marks.

When I downloaded the text of Quran from http://tanzil.net/download/ in 2019, the released text version was Version 1.0.2 and that version was released on May 12, 2008 and it was online without any error until I downloaded and used it for the analysis of this book. Sometime after the publication of my book based on that long available text, Version 1.0.2, they decided to make a few "optional" non-essential changes, based on their choice, and released it as text Version 1.1 on February 12, 2021. You can see details about the update on on https://tanzil.net/updates/. They made the particular word, "ba'dama" written as two words as "ba'da ma" instead of the previous form of one word. I have made a research on that particular word for about a year and explained all the details I gathered and concluded about it on Chapter 8.1. Upon my research I concluded that "ba'dama" should be written as one word and decided to continue using the text Version 1.0.2 of Quran. You can see my long research summary on the topic on Chapter 8.1. You can currently download it from the github account of this book on https://github.com/quran2019/Quran19/blob/master/quran-simple-clean.txt.

Let's not distract further from the book and continue discussing on the text analysis and the topics around it. Interested people mostly ask about the text I used and the reasons why I did not use a classical paper printed ones with the *haraka* helper marks. First of all, I did not cherry picked this text, as I mentioned before, I found and followed this tutorial (textminingthequran.com/tutorial/quran.html), where the author used this simple text of Quran for his own text analysis. However, it turned out to be that this manuscript is the most suitable according to my investigations. Because, I wanted to count only the natural numbers of the text, which are number of chapters, verses, words and letters. I did not need the helper added marks along with the text and this text appears to be just right for this. The author of the tutorial did his PhD in around the text analysis of Quran and it is reasonable to consider that he might have selected this text as it is the most suitable one for the text analysis of Quran.

Among almost all the written old or modern Hafs mushafs, the only difference should be when we count the number of letters as some words might be written slightly differently, which does not change the meaning of the word. Scribal errors are also known facts that might exist in the earlier hand written manuscripts. When it comes to the earlier manuscripts, there is no single reference manuscript to be the reference for all the rest of the manuscripts that follows it up to the last letter of it. The famous early Uthmanic mushafs might be considered as the reference in general but there is no original copy of the first written ones and the currently available ones are "at best, the copies of the copies of the copies of the original ones, written at least 4 generations later", as Dr.Shehzad Saleem replied to my question during his interview with me about the history of Quran (Saleem and Altay 2020). Since the main medium of the transmission of Quran is via oral transmission with the tradition of memorizing Quran by the large number of dedicated people, called *Hafez*, who memorize Quran in its entirety, any written text that precisely follows the classic Arabic grammar rules and also approved by Muslim scholars as fully representing Quran might be used to see whether there is a systematic coding design over it. Basically, the hypothesis is that "there might be a rule based system in the text of Quran, if the text represents Quran precisely and fully with the condition that the text is written with respect to classic Arabic grammar rules". Because, we learn from Quran that it is written in Arabic and therefore we should have the text written in classic Arabic with its grammar rules.

> Quran, 12.2: "Indeed, We have sent it down as an Arabic Quran so that you may understand." (Translations are from quran.com, the Clear Quran).
>
> Quran, 41.44: "Had We revealed it as a non-Arabic Quran, they would have certainly argued, "If only its verses were made clear ⌜in our language⌝. What! A non-Arabic revelation for an Arab audience!" Say, ⌜O Prophet,⌝ "It is a guide and a healing to the believers. As for those who disbelieve, there is deafness in their ears and blindness to it ⌜in their hearts⌝. It is as if they are being called from a faraway place." "
>
> Quran, 13.37: "And so We have revealed it as an authority in Arabic. And if you were to follow their desires after ⌜all⌝ the knowledge that has come to you, there would be none to protect or shield you from Allah."

Therefore, in my opinion, any old or modern, text that is written in the classic Arabic grammar and accepted as fully representing the Quran (Hafs recitation/mushaf) by scholars might be considered for the text analysis to see if there is a meaningful rule based systematic coding design over the text that suggest that the text is intact and unchanged. In the end, the recitation (the Zikr / the Reminder) was declared to be protected by God but not the text of the book in the verse 15:9.

> Quran, 15.9: "It is certainly We Who have revealed the Reminder, and it is certainly We Who will preserve it."

Without being aware of much of the above information in the beginning of my study for this book in the early 2019, I had hypothesized that, the text of Quran can well be designed by God to the last letter of it and I discovered the codes that includes all the letters information as can be seen in Chapter 4.2 and in some other chapters. I presented them separately from the main evidences, which are presented in Chapter 4, Chapter 4.1.2 and also Chapter 5, which do not include letter information but just word information regarding the content and thus might be considered as universal as it is applicable to all the common Hafs mushafs from history to our current date. Because, although the writing of the words might slightly change, all the words are the same as they do not change the meaning of the words. Because of this fact, the codes that includes letter information are always considered weaker compared to the codes that do not include letter information as the data without letters information can be considered as intact and reliable for all the *common* Hafs mushafs that have been used by the majority of Muslims till now.

The codes with letters information are considered valid only if there is no apparent error about a letter with respect to the classic Arabic language. We know there are various ways of writing the same words with slightly different letters in some cases though it gives the same meaning when it comes to Hafs recitation. Although people recite Quran correctly, they overlook those letter changes among the texts and just ignore them as they know how to recite the word anyways. In case if there is any single letter is found to be apparently erroneous in the text I used, then, most probably, all the letter incorporating codings that I present in this book should collapse. So, feel free to reach out to me if you are 100% sure that there is an error in any of the 332837 total letters of the text of Quran manuscript I used. Nonetheless, make sure to consult with an expert on Arabic language before coming to conclusion on this as there are already known variations in writings of some of the words. Because of these variations in writings, I consider the codings in my book that includes the letters information as weaker evidences compare to others. Since the first publication of the book, I never received solid mathematical objection to the codes I presented but the ones who tried to falsify, always first attacked the letters information I used by ignoring the main code evidences. I suggest those kinds of people to ignore all the letters based evidences, which I already designated as weaker, and look at first the main evidences that do not include letters information. Therefore, I suggest to those kinds of readers to read first the main evidences and also the other evidences that do not include letters information and ignore the the letters based codings. If they see no issue with the main ones, then they have already witnessed the 19 system based on chapter, verse and words information, which indicates the intact design over the text and hence suggest that the text is intact and unchanged too. Certainly, these evidences have their own limits in proving the intact and unchanged text of Quran as the evidences can only go into the

resolution of the number of words or letters per verse. However, for the ones without negative biases, it should indicate sufficient evidences as there is already one common Hafs manuscript used by Muslims. The question is not to select a manuscript among various text versions but to test whether or not there is a clear rule based system over the full text of the common Hafs manuscript.

Since the letter incorporating evidences that I presented are not the main evidences of this book, anyone who have doubts about the accuracy of the letters might just opt to ignore related chapters. It will not change the fact that the text of Quran appears to have a design up to its number of words in each verses along with chapters and verses as is when considering the main miraculous 19 based system I presented in Chapter 4, Chapter 4.1.2 and Chapter 5.

However, the ones who would like to genuinely consider the letters based evidences of this book might well have some questions considering the feedback I received after the first publication of this book. A question might pop up to some with extreme doubt, whether the volunteer people of the tanzil.net has deliberately made such a design considering the letters based evidences? Well, I know the answer on my side for sure. I discovered all the evidences in this book myself. I cannot know for sure the other side, the volunteer people of tanzil.net, as I do not know them. However, in my opinion, I am personally 100% sure that they did not do such a thing and even more, they cannot do such a design. Because, as I quoted above, they have written the text with respect to classic Arabic grammar rules and the early Hafs manuscripts. The only way, one can claim such an artificial design is if one can spot an artificial rule that is not meaningful and artificial or redundant for the text with respect to the classic Arabic grammar rules. In such a case one might claim that this text has artificial data in it or has letters against the classic Arabic grammar rules that might have been written in it deliberately to make such a design. However, there is no such case that I could observe. I have initially discovered the evidences in 2019 and as they mention in their web site as I quote in the below chapter, they did not receive any typo report since the release of the first version of the text in 2008. So, I see no reason to have that extreme paranoiac doubt. I addressed those extreme potential thoughts anyways in case some extremely skeptical people wonders about them. The other proof that the Tanzil has nothing to do with such 19 based codings is that they changed the writing of one word in their latest updated text in February 2021. They were writing a word as a single word and they changed it into two words after 13 years of their last update since 2008. If their change was correct regarding classic Arabic grammar rules, then the codes with words information in this book would collapse as they mostly include words count information. But after my long research, it turned out to be that they are wrongly changed it after the publication of my book. I discuss on this phenomenal event and my research on the topic in the Chapter 8.1 and Chapter 8.1.1

3.1.1 Fetching Quran's Text into R

I will mainly show, first, how to fetch the text of Quran into R programming environment, then compute some of the important descriptive natural numbers of the text of Quran but I will not analyze those numbers in this chapter and leave it to the chapters about evidences such as Chapter 4.1.2.

I downloaded the text of Quran from tanzil.net/download in early 2019 to start the analysis about the text of Quran. Arabic speakers do not need punctuation, namely helper marks, and thus there are no punctuation in the early texts as we see today in most modern Quran texts. I am not able to speak in more technical details as I do not know Arabic. After searching the internet, I found this tutorial (textminingthequran.com/tutorial/quran.html) and I followed it for some initial text analysis on the text of Quran. In order to download the text of Quran that I used for the text analysis in this book, as instructed in the mentioned tutorial, we go to the tanzil.net/download and select "Simple Clean" option without any pause marks or other options. For this, deselect "Include pause marks" and "Include sajdah signs" options. These are all marks not part of the simple and pure text but added later to ease the reading. Then select "Text(with aya numbers)" option and click download button. This way you will get a pure text of Quran in your computer with verse ("aya" in Arabic) numbers. In this file, there are "sura" numbers (sura is in Arabic for chapter) followed by verse numbers followed by the actual text of the verses. You can open it in a text editor and better see its text structure. Each field is separated by a bar "|" symbol and there is also some copyright notes at the end of the text, which are all added by tanzil.net as part of their work. Therefore, we remove them first, as you will see below while reading about fetching the downloaded text file into the R programming environment. They do not mention the text version at the download page but when I downloaded in 2019, the text version was Version 1.0.2. All the logs of the updates of the text can be seen in this page:https://tanzil.net/updates. It was released in May 12, 2008 and around 18 months after the publication of my book on the text Version 1.0.2, they updated it on February 12, 2021 as Version 1.1, with a few "optional" changes as they describe in the updates page. In this book, I still use the text version Version 1.0.2 and a long discussion about their updates and its consequences can be read in the Chapter 8.1 and Chapter 8.1.1. In the current chapter, I will continue the technical details of how I analysed the text. So, if you use the tanzil.net/download page to download the text, you can download the Version 1.1 and need to revert back the mentioned few changes back to get the text Version 1.0.2. Or, you can use the text I had downloaded, used and backed up in the github account of this book on this url: https://github.com/quran2019/Quran19/blob/master/quran-simple-clean-v.1.0.2.txt. The text in that link is the Quran text Version 1.0.2 that I had downloaded from tanzil.net/download in early 2019 and used for the text analysis of this book. You can also download it and use it to run the codes in this book over that downloaded text.

Everything is constructed from smaller components. When it comes to the text of a book, the main components are letters, words, verses and chapters. Therefore, I had first searched over these components if there is any 19 based coding design patterns over them. As you will see in the chapters of evidences , there are indeed 19 based coding system over the text of Quran with rules based patterns. I think, I might not have discovered all the system yet but the evidences I provide are sufficient to witness a beautiful and strong 19 based coding system of the text of Quran, which will be contributed by this book to the literature for the first time as further proofs that support the belief that Quran is intact and unchanged from the beginning.

In the following of this chapter, you will see how to fetch the text of Quran into R programming environment and also perform some basic text processing and get the important descriptive numbers of Quran.

An important point to remind is that the structure of the text of Quran is also unique and not the same as any other book we might come across. All the verses are numbered but there are 112 unnumbered and repeated Basmala verse in front of all the 112 chapters out of the 114 chapters. Also the first verse of the first chapter is the numbered Basmala verse. Moreover, Chapter 9 does not have any Basmala verse in contrary to the rest of 113 chapters but interesting enough Chapter 27 has a Basmala verse within its chapter content. So, it looks like there is this non-standard structure and deliberate organization of the text. It leaves the question whether to refer the total descriptive numbers (e.g. verse, words and letters) with respect to only the numbered verses or together (numbered and unnumbered Basmala verses). In my analysis, I analyzed both of them at the same time and concluded that they should be designed together and both types of descriptive numbers of the text are valid because the system I discovered suggests that they were designed together as you will see in the chapters of the evidences. So, I will always refer both of the types of the text of Quran with respect to, first, the 6236 numbered verses only and, second, the 6348 numbered and unnumbered verses together or in other words, all the 6348 verses.

Before going any further, one tiny point I want to mention about the text of Quran is about the punctuation. Arabic speakers do not need them and thus they are already not part of the original text but they were added as helper markers later on for especially non-Arabic speakers such as Turkish speaking people like me. I would not normally even talk about this point but when I had a discussion with one of my non-Muslim friends, he made an argument based on those punctuation marks and claimed that the text of Quran has been changed as other earlier holly books. I was quite surprised that even such a simple fact was being used as an argument and he got this misinformation from the internet as he later searched about this. Anyway, in short, punctuation marks are not part of the original text of Quran and I did not include them in text analysis. If one have doubts about it, she should feel free to speak to an Arabic expert about it.

In order to be able to process and analyze the text of Quran, we need to fetch it into an R console. For that, I utilized this very useful tutorial at (Sharaf 2019b). As mentioned in that tutorial, in 2019, I downloaded the text file of Quran from http://tanzil.net/download/ with "Simple Clean" option without any pause marks or other options, and also with the "Text (with aya numbers)" option selected. I then downloaded text file in a folder with the name "data" under the current working directory. Since they updated the text with a tiny change on February 12, 2021 as explain above, you can only download the text version 1.0.2 from the github link I provided above from repository of this book.

We can run below R script to read Quran text file into R programming environment:

```
options(tinytex.verbose = TRUE)
tenzil = read.csv("data/quran-simple-clean-v.1.0.2.txt", header=F,
stringsAsFactor=F, encoding="UTF-8", sep="|")

#head of the text
head(tenzil)

##    V1  V2                          V3
## 1   1   1   1  بسم الله الرحمن الرحيم
الحمد لله رب العالمين    2   1   2  ##
الرحمن الرحيم              3   1   3  ##
مالك يوم الدين             4   1   4  ##
إياك نعبد وإياك نستعين  5   1   5  ##
اهدنا الصراط المستقيم    6   1   6  ##

#tail part of the text
tail(tenzil)

##
V1  V2
## 6259 #    of the text, and shall be reproduced appropriately in all
files  NA
## 6260     #    derived from or containing substantial portion of
this text. NA
## 6261
# NA
## 6262                #  Please check updates at: http://tanzil.net/
updates/ NA
## 6263
#  NA
## 6264
```

```
#=====================================================================
NA
##      V3
## 6259
## 6260
## 6261
## 6262
## 6263
## 6264
```

It looks, the head of the data is clean and it is a table with three columns (a data frame in R). Each row contains one verse in order. First column contains the chapter numbers (or, in Arabic term, 'sura' numbers). Second column has verse numbers (or, in Arabic term, 'aya' numbers). Third column has the verses in Arabic.

However, there is some license related information appended to the tail of the text by tanzil.net. Let's find where to clean it at the tail of the text file.

```
tenzil[6234:6238,]

##
V1 V2
## 6234
114  4
## 6235
114  5
## 6236
114  6
## 6237                  # PLEASE DO NOT REMOVE OR CHANGE THIS
COPYRIGHT BLOCK NA
## 6238
#=====================================================================
NA
##                                V3
## 6234        من شر الوسواس الخناس
الذي يوسوس في صدور الناس  6235  ##
من الجنة والناس            6236  ##
6237  ##
6238  ##
```

As we see the last verse appears to be in the row index of 6236. The last chapter (sura) in Quran is the Chapter Nas (sura-al-nas). Since it is very short, almost all Muslims would have

memorized it and sometimes recite it in their regular daily prayers. Although, I am no expert in Arabic, I can also recognize it easily from the Arabic writing even without the helper punctuation that we non-Arabic speakers need to be able to read the Arabic text of Quran with the correct pronunciation. Without Arabic knowledge, even I can confidently recognize the last verse of Quran from the verse in the index 6236. So, as instructed in the tutorial, I remove the rest of the last verse to clean the additional general text related information added by tanzil.net. I keep this table as an the R object and named as *quran* to remember that this object keeps all the words and letters of Quran that we hold in our hand.

```
quran <- tenzil[1:6236,]
tail(quran)

##        V1 V2                                                V3
## 6231 114  1  بسم الله الرحمن الرحيم قل أعوذ برب الناس
ملك الناس                                          2  114 6232 ##
إله الناس                                          3  114 6233 ##
من شر الوسواس الخناس                          4  114 6234 ##
الذي يوسوس في صدور الناس                     5  114 6235 ##
من الجنة والناس                                  6  114 6236 ##
```

As we see, the first column of the table keeps the chapter number, the second column keeps verse number and the third column keeps the text of each verse. Basically, each row of this table keeps the information about one verse in order. Let's first give their correct names in English to the columns and see the table again.

```
colnames(quran) = c("chapter", "verse", "text")
head(quran)

##   chapter verse                      text
## 1       1     1  بسم الله الرحمن الرحيم
الحمد لله رب العالمين   2       1         2 ##
الرحمن الرحيم             3       1         3 ##
مالك يوم الدين            4       1         4 ##
إياك نعبد وإياك نستعين  5       1         5 ##
اهدنا الصراط المستقيم    6       1         6 ##
```

Let's also add the row names of the table into the table. Row names should keep the verse order from beginning to end, which we can also test it later on. Since Quran has an order and the order is important, we start given independent verse index numbers from first verse to the last as row names to be able to correctly access them later. I name the column of this independent verse indices as "VerseI" in the table. It is important to remember that

this column is given by us independently and the verse indices per chapter that we refer when we quote any specific verse in Quran (such as this formal notation: 74:30).

```
quran <- cbind(as.numeric(rownames(quran)), quran)
colnames(quran)[1] = "VerseI"
quran$VerseI <- as.numeric(quran$VerseI)
quran$verse <- as.numeric(quran$verse)
quran$chapter <- as.numeric(quran$chapter)
head(quran)
```

```
##   VerseI chapter verse                    text
## 1      1       1     1  بسم الله الرحمن الرحيم
الحمد لله رب العالمين  2      1       2       2  ##
الرحمن الرحيم          3      1       3       3  ##
مالك يوم الدين         4      1       4       4  ##
إياك نعبد وإياك نستعين  5      1       5       5  ##
اهدنا الصراط المستقيم  6      1       6       6  ##
```

3.1.2 The categories of the main descriptive numbers

It is helpful to define the categories of the main descriptive numbers of the text of Quran to clarify this point. Because I will keep mentioning the categories of the numbers while defining the rules of the coding system in Chapter 3.2 and later present evidences with them.

There are four main descriptive numbers of Quran: the number of chapters, verses, words and letters. All the categories of the descriptive numbers of the text of Quran, except chapters, has numbered type and also the numbered and unnumbered type together versions because of the unique structure and organization of Quran that we observe in the book of Quran in our hands today. Basically, each of the three categories has two types Since the number of chapters has only numbered version, this category has a single number. Therefore, there are 7 main descriptive numbers of the text of Quran. In this chapter, I will compute them blindly via only the computer programming and provide its codes so that you can also reproduce and test those numbers from the text of Quran.

3.1.3 Number of chapters and verses, and sanity checks on the text

Let's now first check if the indices of verses are in correct order. I will perform two tests here. First by the sum of all the index numbers, second by a simple plot and see if we observe what we expect for. We know that sum of the unique integer numbers from 1 to n is nx(n+1)/2 (by Gauss formula). Therefore, sum of the indices of the verses must be 6236x6237/2 = 19446966. In your computer, make sure its precision is capable of dealing

with large numbers. Alternatively, you can also use a big number calculator such as this one ("Good Calculators" 2019).

Now let's write a code to sum the index values in the table and see if it matches to 19446966 as it must be.

```
cat("the sum of verse index column VerseI is ",sum(quran$VerseI))

## the sum of verse index column VerseI is  19446966

if(sum(quran$VerseI) == 19446966)
  print("The sum of the indices of verses are correct and passed this
test.")

## [1] "The sum of the indices of verses are correct and passed this
test."
```

The first sum test passed for the indices of the verses. But, still in the middle or any other part of it the indices might be multiple of two numbers or more than the maximum 6236. Let's see the minimum, which must be 1, maximum, which must be 6236, median, which must be 3118.5 (median of even number) from the data and also most importantly the number of unique indices that must be 6236 too.

```
print(paste("Minimum, Maximum, Median of VerseI is ",
    min(quran$VerseI),",",
max(quran$VerseI),",",median(quran$VerseI)))

## [1] "Minimum, Maximum, Median of VerseI is  1 , 6236 , 3118.5"

print(paste("Number of unique values of VerseI is
",length(unique(quran$VerseI))))

## [1] "Number of unique values of VerseI is  6236"
```

As we see all are correct as expected. Let's plot it and see if it is monotonically increasing from 1 to 6236.

```
plot(quran$VerseI)
```

The plot is exactly as we expected that is increasing monotonically from chapter 1 to 114. Let's now check in a similar way, if the chapter numbers are in order and then observe the maximum number.

```
plot(quran$chapter)
```

```r
print("Unique chapter numbers regarding the order of text: ")

## [1] "Unique chapter numbers regarding the order of text: "

print(unique(quran$chapter))

##   [1]   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15
16  17  18
##  [19]  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33
34  35  36
##  [37]  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51
52  53  54
##  [55]  55  56  57  58  59  60  61  62  63  64  65  66  67  68  69
70  71  72
##  [73]  73  74  75  76  77  78  79  80  81  82  83  84  85  86  87
88  89  90
##  [91]  91  92  93  94  95  96  97  98  99 100 101 102 103 104 105
```

```
106 107 108
## [109] 109 110 111 112 113 114
```

The plot is exactly is as we expected as increasing in general but have horizontal lines at some points because of the long chapters.

So, based on the mathematical and visual tests, we conclude that the text of Quran analysed in this book, which was downloaded from tanzil.net, has no apparent error in its text regarding verse and chapter indices and ready for further analysis.

These sanity checks are purely based on mathematical blind computations on the text of Quran. Therefore, they also blindly provide the number of chapters as 114 and the number of verses as 6236. Therefore, these sanity checks provides reproducible tests to count the number of chapters and verses of Quran and they confirm that its number of chapters is 114, which will be denoted by '**c**', and number of verses is 6236, which will be denoted by '**v**' for the rest of the book in the R programming codes used. If we include the unnumbered Basmala verses as well, then we get, total number of verses that includes all the numbered verses and all the unnumbered verses (112 Basmalas) together, which is equal to 6236+112=6348 and we denote this number by '**V**' for future reference in the R codes. We will demonstrate how those numbers are part of 19 based coding system in the Chapter 4.1.2.

```
c <-  114
v <- nrow(quran) #6236
V <- v+112       #6348
```

3.1.4 Numbered and Unnumbered Verses of Quran

Regarding its importance for the analysis, I will separately test the numbered verses and the numbered and unnumbered verses and also together as they are two types of the text of Quran. Quran has an extraordinary structure than we used to see in other usual books and in that sense it also stands as unique. There are 114 chapters and they are all numbered from 1 to 114 and ordered deliberately as is in Quran. There are also verses and they are also numbered from 1 to the end of each chapter. For example, the first chapter, also the most famous one, al-Fatiha has chapter number 1 and it has 7 verses and each verses are numbered from 1 to 7. There is no such concept of paragraphs that we used to see in our books but in a sense each sentence or a group of sentences together corresponds to each verse and numbered. This is also very useful when we refer to a specific verse in Quran as we can easily quote two numbers to refer to it precisely. As an example, 19:38 refers to the chapter 19 and verse 38. Some verses are long and some verses are very short.

However, there is another interesting structural situation in the text of Quran. There is a special and repeated verse, Basmala (بسم الله الرحمن الرحيم), which is the first verse of the first chapter, namely 1:1 regarding its formal chapter and verse numbers. The translation of Basmala is “In the name of God, the merciful, the compassionate”. In Quran, this special verse is written before all the chapters except Chapter 9 of Quran and it is recited before start reciting any Quran verse by Muslims. In a sense, it is like a key. This makes Quran as a book consisting of numbered and unnumbered verses. Therefore, in the text analysis of Quran, I will consider two categories that represent the two fundamental structure of it. First one represents the whole Quran, including numbered and unnumbered 6348 verses. Second, represents only the numbered 6236 verses, which means without those repeated unnumbered Basmalas in front of the chapters. Since, these numbered and unnumbered verses are part of Quran, they both might have a role in the 19 based coding system of Quran. I will discuss about this and show some evidences on it in Chapter 4.1.2.

Now, I will generate a second R programming object that keeps only the numbered verses of Quran for further analysis on it. Let’s see first verses of some of the chapters in the main object that keeps the whole Quran.

```
print(quran$text[quran$verse<=2 & quran$chapter==1])

## [1] "الحمد لله رب العالمين"  "بسم الله الرحمن الرحيم"

quran$text[quran$verse<=2 & quran$chapter==2]

## [1] "ذلك الكتاب لا ريب فيه هدى للمتقين"  "بسم الله الرحمن الرحيم الم"

quran$text[quran$verse<=2 & quran$chapter==3]

## [1] "الله لا إله إلا هو الحي القيوم"  "بسم الله الرحمن الرحيم الم"
```

As we see, tanzil.net has themselves included all the Basmalas inside the first verse of each chapter contrary to the written hard copy texts of Quran that Muslims have since the beginning till now. The tanzil.net probably might have done so for computational reasons to simplify the organization of the text. So, in the following, I will generate the second main table by separating those unnumbered Basmalas and get the table that keeps only the numbered verses of Quran.

```
require(data.table, quietly = T)
quran <- data.table(quran)
nQuran <- quran
nQuran$text <- gsub("^بسم الله الرحمن الرحيم ","",quran$text)
nQuran$text[nQuran$verse<=2 & nQuran$chapter==1]
```

```
## [1] "الحمد لله رب العالمين"  "بسم الله الرحمن الرحيم"
```

```
nQuran$text[nQuran$verse<=2 & nQuran$chapter==2]
```

```
## [1] "ذلك الكتاب لا ريب فيه هدى للمتقين"                                    "الم"
```

```
nQuran$text[nQuran$verse<=2 & nQuran$chapter==3]
```

```
## [1] "الله لا إله إلا هو الحي القيوم"                                "الم"
```

```
Basmala <-quran$text[1] #keep Basmala verse for future reference
```

As we see, in this second object, only first chapter has first verse as Basmala and numbered but other chapters do not have it as this table contains only the numbered verses. Also, I assigned the special verse Basmala into the R object "Basmala" for future reference in this book. So this R object, denoted with *nQuran*, represents only the numbered verses of Quran. Let's add one more column that keeps chapter and verse numbers together for easy referencing from the data table that I present below. It is a dynamic table, once can either search or download the analysis ready text for the 6236 numbered verses.

```
require(data.table, quietly = T)
require(DT)
```

```
## Loading required package: DT
```

```
datatable(nQuran,
          caption = 'Table head of the 6236 numbered verses of
Quran.',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel', 'csv')
                        ), rownames= FALSE)
```

```
## PhantomJS not found. You can install it with
webshot::install_phantomjs(). If it is installed, please make sure the
phantomjs executable can be found via the PATH variable.
```

For future reference and analysis of *chapter level text data* of the numbered verses text type, I will also generate another table from this table, which holds the chapter indices and the number of verses per chapter as follows. I will assign this table into the R object *dfVC* for future reference in this book.

```
require(data.table, quietly = T)
require(DT)
```

```
versecomb <- c()
for(j in 1:114){
  i <- which(nQuran$chapter==j)
  versecomb <- c(versecomb, nQuran$verse[i[length(i)] ])
}

dfVC <- data.table(cbind(c(1:114), versecomb))
colnames(dfVC) <- c("Chapter_index","Verse_sum")
datatable(dfVC,
          caption = 'Table: The chapter indices and corresponding sum
of verses of numbered 6236 verses.',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel',
'csv')
                        ),rownames= FALSE)
```

3.1.5 Some text mining and tables of the text

Let's prepare a more comprehensive data table that keeps some further information about the numbers of text of Quran using text mining tools of R. I utilized the tutorial in (Sharaf 2019a) and the R package (Mullen et al. 2018) to get each word and its frequencies, even the frequencies of the letters of it. I used the R programming language but I also used the 'tokenizers' text mining R package (Mullen et al. 2018) to get each word from the text of Quran.

I prefer to keep this book for all readers and thus will not go into details of explaining each lines of the code chunk below. In short, it computes the numbers of words and letters in both types of the text of Quran. I will keep using these R objects in the rest of the book as needed in the coming chapters.

```
require(tokenizers, quietly = T)
#All words in 6236 numbered verses
words <- unlist(tokenize_words(nQuran$text))
w <-  length(words) # should be 77797
cat("Number of words in 6236 numbered verses is ", w)

## Number of words in 6236 numbered verses is  77797

#number of letters in numbered verses
letters <-  sapply(words, nchar)
```

```
l <- sum(letters) #should be 330709
cat("Number of letters in 6236 numbered verses is ", l)

## Number of letters in 6236 numbered verses is  330709

#All words in numbered and unnumbered 6348 verses
Words <- unlist(tokenize_words(quran$text))
W <- length(Words) #should be 78245
cat("Number of words in numbered and unnumbered 6348 verses is ", W)

## Number of words in numbered and unnumbered 6348 verses is  78245

Letters <-  sapply(Words, nchar)
L <- sum(Letters) #should be 332837
cat("Number of letters in numbered and unnumbered 6348 verses is ", L)

## Number of letters in numbered and unnumbered 6348 verses is  332837
```

Now, we obtained the number of words and letters per verse in both types of the text of Quran. Let's add this information into the table of the numbered verses of Quran as follows.

```
vwords<- c()
vletters <- c()
for(i in 1:nrow(nQuran)){
  tmpw <- unlist(tokenize_words(nQuran$text[i]))
  vwords <- c(vwords,length(tmpw))
  vletters <- c(vletters,sum(nchar(tmpw)))
}
nQuran<- cbind(nQuran[,1:3],vwords, vletters,nQuran[,4])
colnames(nQuran)[6] <- "text"

require(data.table)
require(DT)

tmpN <- nQuran
tmpN$CV <- paste(nQuran$chapter,nQuran$verse, sep = ":")


datatable(tmpN,
          caption = 'Table of numbered 6236 verses of Quran',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
```

```
                              dom = 'Blfrtip',
                               buttons = c('excel', 'csv')
                            ), rownames= FALSE)

## Warning in instance$preRenderHook(instance): It seems your data is
too big for
## client-side DataTables. You may consider server-side processing:
## https://rstudio.github.io/DT/server.html
```

From this data we can also get the number of **unique** words and its number of letters of Quran a presented in the next chapter. But, before that lets also generate the similar table for the whole Quran text, including unnumbered Basmala verses as follows. As see, we represent the table with *unQuran* R object to be able to use in the rest of the book.

```
unQuran <- c()
for(i in 1:114){
  if(!(i %in% c(1,9))) {
    tmp <- data.frame(1,i,0,4,19,as.character(nQuran$text[1]))
    colnames(tmp) <- colnames(nQuran)
    unQuran <- rbind(unQuran,tmp,
                     nQuran[nQuran$chapter==i,])}else{
                                        unQuran <- rbind(unQuran,
                                        nQuran[nQuran$chapter==i,])
                                        }
}
unQuran$VerseI <- c(1:nrow(unQuran))

tmpUN <- unQuran
tmpUN$CV <- paste(unQuran$chapter,unQuran$verse, sep = ":")


datatable(tmpUN,
          caption = 'Table of all 6348 verses of Quran',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
                          dom = 'Blfrtip',
                           buttons = c('excel', 'csv')
                        ), rownames= FALSE)

## Warning in instance$preRenderHook(instance): It seems your data is
too big for
```

```
## client-side DataTables. You may consider server-side processing:
## https://rstudio.github.io/DT/server.html
```

3.1.5.1 The number of unique words in Quran

We had assigned all the word in the text of Quran to R objects *words* and *Words* in the previous sections. They contain each unique word in both types of the text of Quran. Then, it is very easy to compute the number of unique words and generate a table of it as follows.

```
tmp <- table(words)
tmp2 <- table(Words)
identical(names(tmp),names(tmp2)) # TRUE

## [1] TRUE

require(data.table)
uwordsTable<- data.table(uwords = names(tmp),
                         count = as.numeric(tmp),countW =
as.numeric(tmp2),
                         uletters=sapply(names(tmp), nchar) )

u <- nrow(uwordsTable) # u represents the number of uniqiue words
print(paste("The number of UNIQUE words in Quran is ", u,"."))

## [1] "The number of UNIQUE words in Quran is  14870 ."

uwordsTable <- uwordsTable[order(-count)]

datatable(uwordsTable,
          caption = 'Table of unique words of Quran',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
                          dom = 'Blfrtip',
                           buttons = c('excel', 'csv')
                         ),
          rownames= FALSE)
```

Figure 3.1: Table

As seen, Table 3.1 is very useful as we can easily access the number of usage (frequency) of any unique word in Quran (including numbered and unnumbered verses) from the frequency column **countW**. For example, we can see from the head of the table that the number of times the word '**Allah**' (or in Arabic 'الله'), which is the primary name of God in

Quran, is used 2265 times in the whole Quran. Similarly, the column named as **count** keeps the frequency of the unique words used in the numbered verses of Quran. The column **uwords** keeps the unique words in the whole Quran. The column **uletters** keeps the number of letters of each of the corresponding unique words. Then, as we see it is easy to compute the number of unique words in Quran from this table alone, which is equal to the table's number of rows.

This table is especially important and useful as there are already many claims that some words appear in Quran that align with their corresponding numbers in nature (such as the number of days). However, this is something, in my opinion mostly appeal to people with Arabic language knowledge. Therefore, I could not test any of such claims available in the literature already but I provided a searchable table in the online version of this book so that interested people can easily search the word of their interest and even test the available claims.

Back to the main point, as we just calculated, the number of unique words in Quran is

$$14870$$

and I assigned it to the object '**u**' in R programming environment to refer to this number later in this book. Since numbered verses and, unnumbered and unnumbered verses together is all the same except the unnumbered Basmala verses, all the unique words and their frequency counts must be the same except for the 4 words of the Basmala verse. I therefore placed the counts of those unique words in the second and third columns for both types of the text separately. As mentioned before, one numbered Basmala verse is available in Quran 1:1 (chapter 1, verse 1) and therefore the number of unique words are the same in both numbered verses and, unnumbered and unnumbered verses together. This means the number of unique words in Quran is always 14870.

3.1.5.2 The number of letters in unique words of Quran

If we count the number of letters in each of the unique words and multiply by its frequency in Table 3.1, we can find the number of letters in unique words of Quran. We can easily calculate this by summing the last column named as *uletters* in the table as follows:

```
U <- sum(uwordsTable$uletters)
print(paste("The number of letters in UNIQUE words
            of Quran is ",U,"."))

## [1] "The number of letters in UNIQUE words\n            of Quran is
80068 ."
```

So, we reproducibly demonstrated that the number of letters in **unique** words of Quran is

. We also denote this number as '**U**' and will use this *R* object name whenever we refer to this number in our analysis for the rest of the book.

3.1.5.3 Table of unique words of the Basmala verse

There is the special unnumbered Basmala verse in the beginning of 113 chapters out of 114 chapters. The first chapter and the first verse is a numbered Basmala verse.
Therefore, only the 4 words of the Basmala has different total number counts regarding the both categories in the table of unique words. Here, I will present those words of Basmala by filtering them from the table of unique words from Table 3.1. This will provide us the frequencies of the words of the Basmala verse in Quran. This will be later used to show one of the evidences of the text of Quran.

```
BasmalaTable <- uwordsTable[count != countW]
BasmalaTable$count <- as.numeric(BasmalaTable$count)
BasmalaTable$countW <- as.numeric(BasmalaTable$countW)
BasmalaTable$uletters <- as.numeric(BasmalaTable$uletters)
knitr::kable(BasmalaTable, booktabs = TRUE,
  caption = 'Table head of the unique words of Basmala verse in
Quran.')
```

Table 3.1: Table head of the unique words of Basmala verse in Quran.

uwords	count	countW	uletters
الله	2153	2265	4
الرحمن	45	157	6
الرحيم	34	146	6
بسم	3	115	3

3.1.5.4 Number of words and letters in Quran

We calculated the number of words and letters in Quran before but let's summarize them here as they are important for the evidences.

We have already computed the number of all the words and letters in Quran previously. The number of words in the numbered verses of Quran, which is denoted as lowercase **w** for future references in this book. Second, the number of words in Quran (means, all Quran,

including numbered and unnumbered verses.), which is denoted as uppercase **W** for future references.

In summary, we computed numbers in three different categories about the words of Quran from lowest to highest, which are denoted as u (14870), w (77797) and W (78245).

There are two main and one derived numbers of letters in Quran to compute. The derived number is the number of letters in all the unique words of Quran that was previously derived from the unique words of Quran. We had computed this number before as 80068 in Chapter 3.1.5.2 and denote it as **U** for future reference in the book.

The number of letters in the **numbered verses** of Quran is denoted by **l**, and the number of letters in the whole Quran (including numbered and unnumbered verses) is denoted by **L**. The number of letters in the numbered verses of Quran is computed as 330709 and it will be denoted as the lowercase letter **l** for the rest of the book to refer it in text and in R programming environment. Also, the number of letters in whole Quran is computed as 332837 and it will be denoted as the uppercase letter **L** for the rest of the book.

3.1.6 All Numbers in Quran: Chapter, Verse, Word and Letter.

If you search it on internet, you might come across different numbers regarding the number of verses, words and letters of Quran. The only common one you can see is the number of chapters that is 114. If you ask 100 randomly selected Muslims about the number of words and letters of Quran, almost none of them can answer it. If you ask them for the number of verses, then most of them again cannot answer it, a very small portion of them might give varying numbers for it. The direct reason for that is, there is no well known and commonly accepted numbers for the number words and letters of Quran. There are also multiple version of numbers circulating around for the number of verses as it is not mentioned correctly much enough and there are also various incorrect numbers mentioned in some old religious books. Previously, in Chapter 3.1.5, I provided a reproducible open source code that allows easily reproduce and generate all the 9 different descriptive numbers about the text of Quran. In fact, if Quran is unchanged and intact, then there can only be unique numbers for various attributes of its text and all Muslims should quote those same numbers if needed. By summarizing all the 9 numbers here within a table, this sub-section will serve as a universal reproducible reference and will clarify the confusion on all of these numbers once and for all, as the numbers generated here are reproducible via testable R codes that can be run by anyone who wishes to test them. On the other hand, the number of words and letters might still vary as in some text the writing style might be different. In anyways, the number of verses and chapters should be the same.

3.1.6.1 The 7 main numbers of the text of Quran

From lowest to highest, the **main** numbers related to the text of Quran are as follows:

1. **The number of chapters in Quran is** 114 (denoted as **c**). See Chapter 3.1.3 for the proof.
2. **The number of verses in Quran is** 6236 (denoted as **v**). See Chapter 3.1.3 for the proof.
3. **The number of verses in Quran by including unnumbered Basmala verses is** 6348 (denoted as **V**). We just add the 112 unnumbered Basmala verses upon the number of the numbered verses, **v**.
4. **The number of words in numbered verses of Quran is** 77797 (denoted as **w**). See Chapter 3.1.5.4 for the proof.
5. **The number of words in Quran (including unnumbered verses) is** 78245 (denoted as **W**). See Chapter 3.1.5.4 for the proof.
6. **The number of letters in numbered verses of Quran is** 330709 (denoted as **l**). See Chapter 3.1.5.4 for the proof.
7. **The number of letters in Quran (including unnumbered verses) is** 332837 (denoted as **L**). See Chapter 3.1.5.4 for the proof.

```
dfnums <- data.frame(c,v,V,w,W,l,L)
# Table:
knitr::kable(dfnums, booktabs = TRUE,
  caption = 'Table of all the main descriptive numbers of the text of
Quran.')
```

Table 3.2: Table of all the main descriptive numbers of the text of Quran.

c	v	V	w	W	l	L
114	6236	6348	77797	78245	330709	332837

3.1.6.2 The unique descriptive numbers of the text of Quran

The **unique** descriptive numbers related to the text of Quran are as follows:

1. **The number of unique words in Quran is** 14870 (denoted as **u**). See Chapter 3.1.5.1 for the proof.
2. **The number of letters in unique words in Quran is** 80068 (denoted as **U**). See Chapter 3.1.5.2 for the proof.

3.1.7 Could these numbers be counted and designed by the people?

In chapters Chapter 4.1.2 and other chapter of evidence codes, I presented reproducible evidences for the 19 based coding system in the text of Quran using all the 9 descriptive numbers of the text of Quran. However, the next question might be whether those evidences can be designed by a human or a group of people around 1387 years ago or was it beyond the ability of mankind at that time? I preferred to discuss on this matter here before presenting the evidences to better comprehend the level of difficulty of designing such coded numbers in the text.

To be able to design the codings of the evidences, such as the ones in Chapter 4.1.2, Chapter 5, these are some of the necessities:

- Manually count the number of chapters (c): This is doable and it was already known from the beginning.
- Manually count the number of verses in Quran (v): Given that there is limitations on the paper and pen and the very large number of verses, this is a bit difficult for one person but it is still doable by a group of about 20 people, including unbiased double checks.
- Manually count the number of unique words in Quran (u): There are 14870 unique words and 77797 words used in Quran (without repeated Basmala verses). Thus, it is fair to say, practically it is impossible to count the number of unique words manually in Quran.

This is very difficult to achieve manually even with a group of 1000 people. Because, even if they work on chapters separately, they first need to find each unique words in each chapter and then they need to compare the words among the 114 chapters and merge them together into a single list without making a single mistake. If they could work directly on all the words of the text, then they have to consider all the words of Quran, whose number was previously denoted as **w** that is equal to 77797 (excluding the repeated unnumbered Basmala verses). Then the total number of words pair comparisons to be performed can be found from the upper and lower triangles of the square matrix of this number 77797 as (77797 * 77796) = 6052295412. Roughly speaking, more than 6 billion word pairs comparisons must be made between the words of the text of Quran to be able to decide the number of unique words of Quran. This is apparently impractical and thus impossible to perform manually by people. Additionally, they could only use papers (mostly on skin and with pen and they are not in abundance of those).

Anyway, let's say in a very very long time, possibly many years, a very very large group of people might, in theory, manually perform this task but, still, they cannot be sure if they did

it correct unless the manual process is repeated independently at least twice by another two independent groups of around 1000 people each. So, to get this number right needs quite a big dedication by a very large number of people. In total, it might need around 3000 people and maybe a year of dedication to this task. However, in a small sized town, could they find that much people who has time and ability and papers and pens and motivation to perform this difficult task. Even if there is, would that much people have the same motivation to perform it right. What would be the motivating purpose of what they are doing at that time? Even if some of the 3000 people are made motivated by the explanation of the benefit of a coding system in a text, would all of them be made fully motivated. If not, some of them might not have taken it fully seriously what they are doing. And there is considerable chance that one of the three independent groups comes up with a different number than 14870. In that case, they have to find another independent group of 1000 people to repeat the same process or may be another independent group of 1000 people too to make sure the one differently calculated number does not leave any doubt in their minds. As we see, this does not seem to be a practical task to achieve 1387 years ago. Another very important point to mention is that, right or wrong, there is no historical record at all that mentions such a task or anything similar was performed or even discussed by the people of that time or by the Prophet Muhammad. In fact, in total, there are millions of detailed, wrong or right, historical narratives, called *hadiths* narrated from the time of Prophet Muhammad but there is nothing mentioned in regard to the necessities I just discussed on getting this particular number of Quran. I keep saying 'wrong or right' when I mentioned the historical records, *hadiths*, because a very small portion (around 7000) of them are 'considered or accepted' by Muslim Scholars to be truthful and even more, they do not agree with each other in many of them. However, to emphasize my point, I assumed all the historical records of narrated hadiths, which are known to be more than a million, and state that no such situation or anything similar are mentioned in them. Therefore, considering impracticality of manually getting the number of unique words right as 14870 and there is no historical record at all among more than a million of hadiths nor any other historical records afterwards, I rationally conclude that this number was never counted by Prophet Muhammad nor his companions at that time and thus cannot be designed by the people of that time when Quran was written down first. For extremely skeptical people, I also want mention that there is no historical record at all in literature for the 'unique number of words' in Quran until the 21st century. This brings us to two logical explanations for the coding evidences you will witness: It is either might be designed by God as implicitly mentioned in Quran "74:30. Over it is Nineteen" or it might be by a mere random chance, which is highly unlikely as we also calculated their probabilities in those chapters. In my rational opinion, those evidences suggest that they should be designed by a supernatural power in that time and the only logical explanation is that it might be the design of God. I prefer to use cautious words as only God knows the absolute truth and this is only my best educated conclusion on what I observe. For me, this design is no much different than the

fine tune that we observe all over the universe and in particular on earth that we have its knowledge in great detail, but no scientific explanation at all **for the source** of the force that causes these design of the universe. Since the text of Quran has many other 19 based codings too, as you will see in the rest of this book, my conclusion is that observing all those independent rule based codings in an old book does not seem to happen by chance but a supernatural power. Furthermore, these evidences not only suggest that the text of Quran was miraculously designed but also protected for around last 1387 years and intact as it was in the beginning, just as we might expect from a divine book that speaks to our time. No matter you believe in God or not, if you cannot find a substantial error in these reproducible evidences and in the analysis of the text, then rationally, you might have to accept anyway this 'reproducible miracle' in the text of Quran after you witness evidences.

3.2 Rules & Probabilities

The rules of how to build the codes are extremely important to define for any book that claims to present a similar coding system in a book. Because, only then we can determine the boundaries of the claimed system and have the full set of possible code trials and so can measure the probability of the system presented. Otherwise, it is impossible to measure the probability of any such code system claim and any claimed probability is just considered as invalid and thus nonsense. Rules are also vital to better understand whether the claimed system has meaningful patterns, are they natural or stretched and whether there would be better more sensible alternatives or not. In this book, for me the hardest part was to define the rules of the system I observed. Therefore, although, I did my best to define, I might not have perfectly define what I observed although I think I did try my best.

In this chapter, I will describe some of the general rules on how to select text numbers and how to test them, and also about computing the probabilities of observing the successful tests on these numbers by chance alone. I made this as a separate chapter as it contains general information about the rules heavily referred and used in the chapters dedicated to the evidences. However, a more detailed rules for various code patterns can be seen in their respected chapters. For example, in Chapter 4 where the Main 19 System of this book was presented, more detailed descriptions of the rules to construct the 19 System codes presented in this book are given.

3.2.1 Rules

I will describe here some of the general rules that will be applied to test on any number of interest. Basically, how a number is obtained and which tests applied to consider whether the number of interest is under the 19 based coding system in Quran or not. These may not be necessarily the complete universal coding rules of the text of Quran but the ones I observed from the data and my analysis and followed them to test my hypothesis on any

new number with respect to those rules. This means, if any error of flaws exist in the analysis, it would be my own unintentional mistake and not about the text of Quran itself.

Setting rules in the beginning is important, otherwise, without establishing rules that limits the boundaries of the coding numbers set to be tested, one cannot really claim a 19 based coding system on the text of Quran.

1. The first and most important **universal rule** is that the numbers to be tested must be obtained in a meaningful way. This is the most general principal for all the rules and approaches used in this book. Also, the coding patterns must be natural, intuitive, meaningful, simple and and as general as possible.

2. Another **universal rule** for all the relevant evidences is that the concatenations operation is always done in the natural order. Briefly, the natural numbers are concatenated in natural order. The natural order of the natural numbers of the text of Quran is from chapters, verses, words and letters. Also, the natural order of the numbers is from first number to the last and concatenated from left to right as usual. The only exception is the re-writing coding pattern, where we attempt to re-write the text of Quran with its natural representation numbers and thus each verse is replaced in its own place in the text, which appears from right to lfet following the Arabic writing style. This exception is explained in more detail in its corresponding coding pattern.

3. We have two categories regarding the structure of the text of Quran. As mentioned in the before, we have numbered verses and also unnumbered repetitive Basmala verses in the beginning of 112 chapters out of 114 chapters. I hypothesized that both represents the full text of Quran and therefore all the relevant coding patterns must be tested over their corresponding numbers from both text types regarding the applicability of a coding pattern. Thus, as a universal rule, any coding pattern is tested in both of the text types of the text of Quran. This means, we need to test the coding numbers from all the 6348 verses and also from numbered 6236 verses. Namely, we have to take into account all the possible trials that can come up from these categories. For example, if a single coding pattern is applicable to one of the categories alone, then we must test it for the other category too and take this trial into account in the probability calculations of the overall system.

4. The primary goal of this book is to test the intactness of the full text of Quran. The evidences that test this main goal, testing the *full text*, must use either the 4 natural numbers of the text from chapters, verses, words and letters or the 3 natural numbers from chapters, verses, words. The former might indicate intactness up to the letters of the used text, whereas the latter might indicate intactness up to the words of the text of Quran. Both approaches can provide evidences for the intactness

of the full text of Quran with its content information but at different levels if the text content. This rule is applied while testing the intactness of the *full text* of Quran.

5. There are three **levels** of the representation numbers of the text of Quran. We need to test coding patterns in these levels if suitable for the tested coding pattern.

- First level is the total level, which shows the total number of chapters, verses, words and letters.
- Second level is at the chapter level sums of the numbers. For example, Chapter 1 has 7 verses, 29 words and 143 letters.
- Third level is at the verse level sums of the numbers. For example, Chapter 1 Verse 1 has 4 words and 19 letters.

6. The main and thus default testing operation on a coding number to be tested is to test whether it is multiple of 19 or not. As a general rule, if it is multiple of 19 then we designate it as under 19 based coding.

7. The followings are the summary of the primary coding patterns used in this book to test the intactness of the full text of Quran. Details can be found within the sections of the evidences. I summarized them here to be able to overview them together:

- **The default coding pattern:** The natural numbers are concatenated in the natural order.

- **The pairing coding pattern:** In this coding pattern, we pair two corresponding numbers. For example, between the numbers of the two text types of Quran. Namely, between the numbers of all the 6348 verses and the 6236 numbered verses.

+**The coding patterns based on the key coding patterns:** I observed some simple key coding patterns on obvious but most important small parts of the text and observed that the same key coding patterns also exist in the full text of Quran too. I considered the system with the codes based on key coding pattern as the *main 19 System* in this book. The detailed rules and description can be seen in Chapter 4. For example, I observed the most important key coding patterns based system in *the first chapter, Al-Fatihah*. The first chapter of Quran is named Al-Fatihah in Arabic and can be translated as The Opening or The Opener. It is considered as the most important chapter in Quran and memorized by all Muslims as it is deemed to be required to recite in the daily prayers. It is a short chapter with 7 verses. I realized that there are many independent 19 based codings available in Al-Fatihah. I then hypothesized that God might have left those special coding patterns of Al-Fatihah as clues, as The Opener, to discover the 19 based design in the full text of Quran, which turned out to be true. Therefore, this particular rule instructs that all 19 based codings we observe in the

first chapter, Al-Fatihah, are considered as key coding patterns and we apply them to the full text of Quran. The detailed rules of this main 19 System can be seen in Chapter 4.

- **The rewriting coding pattern:** In this coding pattern, we attempt to re-write the full text of Quran with its ow natural numbers. This can only be done in two levels of numbers of the text of Quran. Namely, chapter and verse levels natural numbers. Since we are attempting to re-write the text with its natural numbers, we replace the text parts with their corresponding numbers. Because the Arabic is written from right to left, the numbers replaced in their same positions in the text as well. Therefore, concatenation of the numbers from right to left is only used in the evidences of the re-writing coding pattern. Also, just like we write, we must also have the letter information when we rewrite the content. So, letters information must be available for the rewriting coding pattern if we were to testing the content based on rewriting coding pattern. This and associated rules was also described in more detail in Chapter 4.

- **Special codings patterns:** There are also some special coding patterns other than the above four and their details are described in their own sections. Universal rules applied on all the evidences of this book.

8. **Levels of the text representation numbers:** There are three main levels of the numbers that can be derived from the full text of Quran. Each level provides a different level of resolution of the design and thus intactness of the full text of Quran. First level is the total level, where sum of the total numbers of units in each components of the full text. Namely, each of the total numbers of chapters, verses, words and letters as explained in Chapter 3.1. The second level is the chapter level numbers, where total numbers of verses, words and letters counted for each chapter. The third level is the verse level numbers, where total numbers of words and letters are counted for each verse of each chapter. As a general rule, any **relevant** coding pattern must be tested over all levels of the numbers that can be derived from each of those three main levels of the full text of Quran. Also, for a coding to be designated as evidence, it must exist in at least two of these levels if this coding pattern considered independently. Special codes, like the *key coding pattern* based evidences have their own rules and not bound by this particular rule, which is for more general codes.

9. All the numbers that might represent the full text of Quran with content information needs to be used if relevant to a coding pattern. Therefore, we have two cases with and without letters information, regarding the categories of the numbers. The first case is as follows: the numbers of chapters, verses, words and letters. The second case is without letters information as follows: the numbers of chapters, verses,

words. Note that both categories contain content information of the full text of Quran along with the structural chapter and verse information of the full text. Moreover, we have another two categories regarding the text type of Quran. As mentioned before, we have numbered 6236 verses and also unnumbered repetitive Basmala verses in the beginning of 112 chapters out of 114 chapters, which make 6348 total verses. I hypothesized that both represents the full text of Quran and therefore all the relevant coding patterns must be tested over the numbers from both text types regarding the applicability of a coding pattern. This means, we have to take into account all the possible trials that can come up from these categories.

These rules reduces the number of tests dramatically and allow us to test a small set of meaningful numbers to test for the general 19 based system. The codings designated as evidences must obey these rules. Only these evidences will be counted to calculate the probability of the general system presented in this book. Any other potential coding examples will be presented as strong or weak **facts** only and they are not considered under the 19 based system presented in this book. I will present them as facts because some of them still looks interesting and also in the future someone else might consider them as evidence if additional information is realized with them. While I was writing this book, I had designated some codings as facts that later turned out to be evidences as I discovered additional information around them.

We have to set rules that define and so limit the ways we can combine multiple descriptive numbers. Otherwise, the potential numbers of combinations becomes too large to follow for readers and also would be difficult to define in a system of rules. Therefore, here I aim to set only the most meaningful rules, which are simple to understand and follow along with the evidences. I observed the combinations of the coding numbers and inferred these meaningful rules. I decided to make sure that the combinations are meaningful and did not include some other codes that were also multiple of 19 but not fall into the defined system of rules.

Here are the other general information related to the rules for combining multiple descriptive numbers:

Combining the main descriptive numbers and the general verse index::

The descriptive numbers can only be combined in the natural order. Each of the two text types has 4 different main descriptors, which are chapter, verse, word and letter numbers in order. That order is the natural order of **concatenating** these numbers and I use this order as a general rule in combining these numbers. This means for instance, I can never concatenate first, letters and then words in combining the multiple descriptive numbers. I also generated an independent verse index (denoted by *VerseI* in text data tables) from 1 to 6236 or from 1 to 6348 for both of the text types. This especially helps to correctly refer to

the order of the unnumbered Basmalas in calculations in some codings. In a special use case of these numbers is in the **the pairing coding pattern:**. Because, while pairing two corresponding categories, the numbered and unnumbered special verse indexes should also pair. However, since there is no number to represent unnumbered Basmala verses indexes, while pairing the correspondence on this special verse indexes might have missing information. Therefore, as a special rule to the codings with **the pairing coding pattern:**, we always use the general verse indexes instead of the special verse indexes in such coding patterns as there should be a correspondence in pairing.

3.2.1.1 Rule about obtaining the numbers from text

All the descriptive numbers must be obtained blindly from the text of Quran. One cannot change any of these numbers for any reason, which will be used to test 19 based coding system of the text of Quran. Here, the word *blindly* refers to the approach that we do not look at any content of the verses at all and just count with computer whatever we have in the text of the verses of Quran that represents the Quran. Please read Chapter 3.1 to read further details on how I got the final text document of Quran. However, I again declare that I did not make any single change to the text of Quran and it represents the same Quran as any traditional copy you can access online for example from tanzil.net or quran.com. Although I mentioned this very important point many times before, it is essential to include it in the rules again. Since I used computer friendly version of the text from tanzil.net/download, all the characters are counted as letters. A single blank character is used to separate words.

3.2.2 Probabilities

I will discuss about the probability that I use to compute the probability of observing the successful tests that I provide in this book. The probability of a number being divisible by a particular number *n* is 1/n. For scientific explanations, see wikipedia.org/wiki/Natural_density. Therefore, the probability of a number being **divisible by 19** or multiple of 19 is 1/19 or in other words 5.26%. As a reference, I will refer to this particular probability as Probability P1 in the rest of the book in the R codes.

```
P1 <- 1/19
cat(P1)

## 0.05263158
```

3.2.2.1 About the 19 system presented in this book

God knows best and this is only my inference based on my analysis over the text data of Quran. The 19 based coding system I described here might or might not fully represent the

real 19 based coding and only God knows best. However, the presented system is based on my personal observations along with their codes so that anyone who has doubt can also easily test, reproduce and witnesses to the truth by heart. In the end, we observe a coding system in the text of Quran and in this book I introduce this system that I discovered in the text of Quran in 2019. So, in conclusion, when I say '19 based coding system of the text of Quran', this means the 19 based coding system of the text of Quran based on my reproducible tested and validated observations and inference. Therefore, feel free to investigate more on this subject and see if you can find new unexplored parts of the system in Quran.

The most important point of the 19 based coding system presented in this book is that, I do not change nor touch any text data, not even a single letter, of Quran that Muslims use. This point is important to repeatedly emphasize, as there is an older acclaimed 19 system claim that was 'made up' by modifying some parts of Quran (by R. Khalifa and his followers) and therefore almost all Muslims who know about the older claim have prejudices and put a distance between themselves and 19 based coding system claims about the text of Quran.

Back to the main topic, by default we apply the divisibility test and it has the probability 1/19 to have success.I will use Binomial test to approximately calculate the probability of the overall system. Also, note that most of the evidences are dependent to each other and the expected exact probability would be lower.

3.2.3 Tables of the numbers to be used

The followings are the two tables that show the total numbers of each category of the text per verse in all and also the numbered verses. I will use these numbers of both category in the evidences.

```
# knitr::kable(head(unQuran), booktabs = TRUE,
#   caption = 'Table head of all verses of Quran.')
# knitr::kable(head(nQuran), booktabs = TRUE,
#   caption = 'Table head of numbered verses of Quran.')
require(DT)

datatable(unQuran,
          caption = 'Table head of all 6348 verses of Quran.',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
                         dom = 'Blfrtip',
                         buttons = c('excel')
```

```
          ),
          rownames= FALSE)

datatable(nQuran,
          caption = 'Table head of the 6236 numbered verses of
Quran.',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
                         dom = 'Blfrtip',
                         buttons = c('excel')
          ),
          rownames= FALSE)
```

I already provided the full dynamic tables for the verse level text data in Chapter 3.1.5. I presented the head parts of them here to remind the content of the verse level data.

The followings are the two tables that show the total numbers of each category of the text per chapter in the numbered verses. Namely, they are the chapter level data data tables.

```
require(data.table)
nQuran <- data.table(nQuran)
cwords <- c()
cletters<-c()
for(i in 1:114){
  cwords <- c(cwords,sum(nQuran[chapter==i]$vwords))
  cletters <- c(cletters,sum(nQuran[chapter==i]$vletters))
}
dfVCwl <- cbind(dfVC[,c(1:2)], cwords, cletters)
# Let's print this table
require(DT)

datatable(dfVCwl,
          caption = 'Per chapter total numbers of each category in the
numbered 6236 verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
                         dom = 'Blfrtip',
                         buttons = c('excel')
          ),
          rownames= FALSE)
```

Similarly, we can get a table that also includes the unnumbered Basmala verses into the above table. We need to be careful about the numbered Basmala of the first verse of the first chapter and the no Basmala situation of Chapter 9.

```
cWords <- cwords + nQuran$vwords[1]
cLetters<-cletters +  nQuran$vletters[1]
cWords[1] <- cWords[1]-nQuran$vwords[1]
cLetters[1] <- cLetters[1]-nQuran$vletters[1]
cWords[9] <- cWords[9]-nQuran$vwords[1]
cLetters[9] <- cLetters[9]-nQuran$vletters[1]

#add the one Basmala per chapter verse into the verse counts
dfVCWL <-cbind(dfVC[,c(1:2)],cWords, cLetters )
dfVCWL$Verse_sum <- dfVCWL$Verse_sum+1
dfVCWL$Verse_sum[1] <- dfVCWL$Verse_sum[1]-1
dfVCWL$Verse_sum[9] <- dfVCWL$Verse_sum[9]-1
# Let's print this table
datatable(dfVCWL,
          caption = 'Per chapter total numbers of each category in all
6348 verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
                         dom = 'Blfrtip',
                         buttons = c('excel')
          ),
          rownames= FALSE)
```

3.2.4 Some R Functions

Some R functions to be used in the book is defined here. It is technical and you might just skip it.

This is the function to compute the sum of the digits of any integer number.

```
digitsum <- function(tmp_){
  tmp_ <- unlist(strsplit(as.character(tmp_), split=""))
  tmp_<- sum(as.numeric(tmp_))
  return(tmp_)
}
```

```
#Example
cat(digitsum("1387"))

## 19
```

Some necessary R libraries:

```
library(gmp, quietly = T)

##
## Attaching package: 'gmp'

## The following objects are masked from 'package:base':
##
##     %*%, apply, crossprod, matrix, tcrossprod

library(data.table, quietly = T)
```

3.2.5 Abjad numbers and functions to be used later

This book is mostly based on natural numbers of the text but not with the Abjad numbers (means Gematrical numbers) but I still have some several interesting Abjad based codes, especially in the end the book. Therefore, below is about the introduction of the used Abjad numbers and functions, which will be used in those abjad several based codes.

The Abjad numbers, are a decimal alphabetic numeral system, in which the 28 letters of the Arabic alphabet are assigned numerical values and it is a very old tradition in Arabic language. I quote this information and each letter and their corresponding Abjad numbers from en.wikipedia.org/wiki/Abjad_numerals. It is, in nature, similar to Roman numbers. As the source of Abjad numbers is not Quran and there is no information about it in Quran, I personally am reluctant to pursue a deep textual analysis using Abjad numbers in regard to 19 based coding system of the text of Quran. However, since there were early attempts and some interesting Abjad number based coding examples available on Basmala verse, I wanted test with it anyway for exploratory analysis purpose. Because, if the historical Abjad numbers that we know is correct and if there is also coding with the Abjad numbers then we might have a utility to go into the furthest resolution in the text of Quran. In the table below, I present the Arabic letters exist in the text I used and the corresponding Abjad numbers I used. It was not reviewed by an expert. If any of the numbers in the below table are incorrect, then ignore all the Abjad based codes I presented in this book and assume that they were observed by chance. In such a case, those codes would at least serve as negative control, namely examples of random codes. In short, be caution about the Abjad numeral based codes in this book. They are very few and are mainly tested for exploratory

analysis. The R codes I presented to generate those codes might also help for future research studies. Let's first see the Abjad numbers below:

```
suppressWarnings(require(tokenizers))
suppressWarnings(require(stringr))

## Loading required package: stringr

##
## Attaching package: 'stringr'

## The following object is masked _by_ '.GlobalEnv':
##
##     words

suppressWarnings(require(data.table))
suppressWarnings(require(gmp))
#See github.com/quran2019/Quran19/blob/master/abjads.Rda
load("abjads2.Rdata") # get this R object from the above github url.
dfAbjads <- data.table(cbind(abjadL, abjadN2))
datatable(dfAbjads,
          caption = 'Abjad numbers for each unique letter character in
Quran',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel', 'csv')
                        ), rownames= FALSE)
```

The following R function 'AbjadSeqofaWord' generates the sequence of Abjad numbers for an input word. The following function 'AbjadSeqofaWordSumValue' returns abjad value of each word of the verse that is input to the function.

```
###
AbjadSeqofaWord <- function(word, abjadL_=abjadL,
                            abjadN_=abjadN2, rmHamza = T) {
  word <- unlist(str_split(word, ""))

  # Optionally removes Hamza ("ء")
  if (rmHamza) {
    word <- word[word != "ء"]
  }
```

```
  i <- match(word, abjadL_)
  tmp <- abjadN_[i]

  return(tmp)
}
###
AbjadSeqofaWordSumValue <- function(xverse, abjadL_=abjadL,
                                    abjadN_=abjadN2, rmHamza_=T){
  # Usage: A verse is input. Abjad numbers of words per verse is
calculated by summing Abjad numbers of each letter in a word.
  # AbjadSeqofaWordSumValue(unQuran$text[1])
  # Basmala verse example output:: "102" "66"  "329" "289"
  tmp <-as.character(xverse)
  tmp <- unlist(tokenize_words(tmp))
  for(i1 in 1:length(tmp)){
    tmp[i1] <-sum(AbjadSeqofaWord(tmp[i1],abjadL_,
                                  abjadN_, rmHamza = rmHamza_))
  }
  return(tmp)
}
###
AbjadSeqofwordsperVerse <- function(xverse, rev_=TRUE, rmHamza_ = T,
                                    abjadL_=abjadL, abjadN_=abjadN2){
  #usage: Abjad numbers are replaced with each letter in a verse in
selected order.
  #AbjadSeqofwordsperVerse(unQuran$text[1]) # Basmala
  #Basmala verse example output:
  #"40602"       "530301"      "50408200301" "40108200301"
  #use rev function to have them in Arabic order.
  tmp <-as.character(xverse)
  tmp <- unlist(tokenize_words(tmp))
  for(i1 in 1:length(tmp)){
    if(rev_==TRUE){
      tmp2<- rev(AbjadSeqofaWord(tmp[i1],abjadL_,
                                 abjadN_, rmHamza = rmHamza_)) #rev
for Arabic
    }else{ tmp2<- AbjadSeqofaWord(tmp[i1],abjadL_, abjadN_, rmHamza =
rmHamza_) }
    tmp[i1] <-paste0(tmp2,collapse = "")
  }
```

```
  return(tmp)
}

###
```

3.2.6 Counters are initialized for probability calculations

Lastly, before starting presenting the 19 based codings, I will initialize two global counters here. I will use them to count how many successes and how many trials in total we observed in this book. As I present codes, I will add each success and total trial number of the tested codes to the global counter and in the end of the book we will use them to approximately calculate the probability of observing the overall system event.

```
global_tested_nums <- 0
global_success_nums <- 0
```

I will also add an additional global counter to count the number of independent trial groups. Because we will observe different related groups of 19 based system and when we look at the overall probability of events, we might use this number to be able to perform *multiple testing correction* to correct the overall probability considering this. This operation only makes sense for the readers with statistical knowledge and others do not need to worry about it. Basically, it will help correcting the overall probability and make it more conservative and reliable.

```
global_tested_groups_nums <- 0
```

I also initialize the following special counters to use them in the calculation of the probability of all the even and odd coding patterns based evidences separately.

```
#Even and odd coding counters initialized
evenodd_tested_nums <- 0
evenodd_success_nums <- 0
```

To calculate the probability of all the evidences of key coding patterns and Al-Fatiha based coding patterns of Chapter 4.1.2 separately, I also initialize the following special counters to count all the trials and successes to calculate the probability of both Al-Fatiha based evidences and also global probability of this book in the end.

```
# Al-Fatiha based coding counters initialized
alFatihah_tested_nums <- 0
alFatihah_success_nums <- 0
# Counters for all the key coding patterns initialized
```

```
key_codings_tested_nums <- 0
key_codings_success_nums <- 0
```

4 Key Coding Patterns based 19 System of the Full Text of Quran

The coding evidences that will be presented in this chapter are based on **the key coding patterns**. I hypothesized that God might have left some easily testable key coding patterns into the basic but most important parts of the full text of Quran so that we can easily observe and use them as key coding patterns to open up the 19 System of the full text of Quran. By applying the key coding patterns over the full text of Quran, we can easily discover the parts of the 19 System of the full text of Quran, which are based on the key coding patterns. I named them as *key coding patterns* as it reminds me leaving a key around the door of a house so that the person who are supposed to enter the house, but should not be directly communicated, can herself have a look around find the key easily and use it to enter the house. Quran is a message and if God might have placed a 19 based coding system over the message so that we, the receivers, have a tool to scientifically test whether the message is distorted or not by observing an undistorted message coding system over it, similar to what we do in modern communication systems. If that is the case, then God might also have left some key simple codings that can easily catch our eye, most likely, at the entrance of the text or from a quick overall look to the full text so that we can easily test them and discover the key coding patterns and use them to discover the evidence codes over the full text of Quran. I have made hypotheses with such sensible approach in mind and discovered the 19 System of the full text of Quran based on the **key coding patterns**, which I present the in this main chapter, Chapter 4.

All the key coding pattern based evidences are important part of the system but I refer **the Main 19 System** part of this book as the codes based on key coding pattern based evidences but without letters information as this makes theme less prone writing styles of different texts and more universal.

How to apply key coding patterns:

If the found key coding pattern, is based on chapter information, then it is applied to chapter level data of the text. If it is clear, which text type (6348 or 6236) the key coding pattern is observed, then it is applied to that particular text type. If the key coding pattern is based on a verse bu the verse is clearly mentioning chapter (sure) in its meaning, we again apply the key coding pattern to chapter level data. An example of this case if the verse 10:38 ('… Then produce a *sura* like it …').

If the key coding pattern is based on a verse (not mentioning chapter), then it is applied to verse level data of Quran using both text types (6348 and 6236). If the text type of the key coding pattern is clear, then we apply to the same text type (6348 or 6236).

Also, the follow up even odd coding trials of the key coding based evidence codes must be tested on the same text type (6348 or 6236).

Places to look at the key coding patterns:

Considering the rules, all the successful codes on **al-Fatiha, Basmala verse and the special verse 83:20 is considered as key coding patterns (KCP)** and tested over the full text of Quran. As far as I could see, **all the KCPs from al-Fatiha, Basmala and 83:20 were also exist over the full text of Quran**.

Some codes were equivalent and in such cases observing only one of them in the full text of Quran is considered to represent that KCP in the full text of Quran. For instance, the general verse and special verse indexes were same in al-Fatiha, which would give equivalent code as KCP.

1. (First Chapter, Al-Fatiha)

The first place to look for the key coding patterns is the first and the most famous chapter of Quran, which is Al-Fatiha. The chapter Al-Fatiha is a 7 verses short chapter and it is memorized almost by all Muslims as it is considered that it needs to be read in every daily obligatory prayers, which is performed 5 times a day. Al-Fatiha means "The Opener" or "The Opening" and with that meaning it perfectly align with my hypothesis that it is the main place to look for the **key coding patterns**. Also, since, it is an independent chapter, we can observe codings in chapter level text data and also verse level text separately and look for chapter and verse level key coding patterns in these two different levels of the text. So, it is perfect and most obvious place for the **key coding patterns** to be placed by the sender and to be looked for by the receiver over the full text of Quran. In my humble opinion, it is unique and unrivaled in that respect and the most obvious place to look for the key coding patterns. Therefore, the first and the main place to be looked at for the key coding patterns is over the first chapter of the full text of Quran, Al-Fatiha. Since we can observe the chapter and verse information in this special chapter, Al-Fatiha, the key coding patterns observed in chapter level data of Al-Fatiha will be tested on the chapter level data of the full text of Quran. Also, the key coding patterns observed in verse level data of Al-Fatiha will be tested on the verse level data of the full text of Quran.

2. (First Verse, Basmala)

I considered the second possible place for the **key coding patterns** to be looked at is the special and the unique verse, Basmala. Again, it is unique because, first of all, it is the first

verse of Quran. It aligns with my sensible hypothesis to look at the entrance of the home or structure anology and in this case it is the text of Quran. Secondly, this special verse is repeated in the beginning of the 113 chapters of Quran but does not appear at the beginning of one chapter, Chapter 19. However, the Basmala verse also appears within one of the chapters and repeated 114 times in total and this suggests an additional and apparent 19 based association. There are 114 chapters and 114 Basmala verse observed in the full text of Quran and 114 is multiple of 19 as 16x6 =114. Moreover, the Basmala verse has this apparent and obvious 19 related natural numbers. It has indexes chapter 1 and verse 1 and has 4 words. When concatenated, we observe 114 again, which is also the total number of Basmala verses in the full text of Quran. Moreover, the Basmala verse has 19 letters and it demonstrates a clear 19 based association and stands as a clear place to look for the **key coding patterns** for the full text of Quran. Since, this is a special and unique verse and also appears at the beginning of all chapters, one of them is indexed but the rest are not indexed, I will test the key coding patterns observed in the Basmala verse, both in verse and also chapter level data of the full text of Quran. Appearance of Basmala before the starting of all chapters except one, suggest its strong relation with chapters and thus the chapter level data trials should be included. Also, as a general rule, in the places to look for key coding patterns, if we do not have chance to observe both chapter and verse level data separately then we also do not separate the chapter or verse level data while trying the relevant coding patterns in the full text of Quran. So, in short the key coding patterns from Basmala verse will be tested both in chapter and verse level data of the full text of Quran.

3. (Verse 83:20)

This special verse 83:20 directly and independently states that the book (Quran) is numbered as see in the following:

> 83:20 A numbered book it is. (Quran, Y.N Öztürk, kuranmeali.com)

I translated this from Turkish to English from the Turkish translation of Y.N Öztürk as traditional English translations seem to be givingg indirect meanings in such verses like this one.

Regarding the verse, “A numbered book it is”, We naturally ask the question as how it is numbered. If it is numbered to be codes by 19 system then this verse should show it. It turned out it shows it with two key coding patterns over it as follows.

> 83:20 كِتَـٰبٌ مَّرْقُومٌ
>
> 83:20 Kitabun marqoom

This verse has 2 words and 9 letters. When concatenated in the natural order, we get this key coding number that is multiple of 19:

832029 /19 = 43791

If we take the sum of these natural numbers, it is again multiple of 19. Moreover, it is exactly 114 that is the number of chapter is Quran!

We witness that the resulting two key coding numbers are multiple of 19, which stand as key coding patterns considering the meaning of this verse.

83:20 A numbered book it is

There are also other verses, verse 10:38 and verse 15:87, I used as key coding patterns and explained in detail in its used chapter, which should be read there not to repeat here.

Lastly, I considered **the total numbers** of each natural numbers of text to look for key coding patterns. It is like to look at the overall picture of the structure and see if there is an obvious key coding patterns exist. Similar to the Basmala based key coding patterns, the key coding patterns from the total numbers will be tested both in chapter and verse level data of the full text of Quran as there is no chance to make clear distinction to test in both chapter and verse level data.

I will describe in more detail about these 3 places where we look at the key coding patterns while presenting the relevant codes in the subchapters of this main chapter.

The two subchapters, without and with letters information:

This main chapter has two main subchapters. First subchapter does not include letters information in any of its presented codes. It is the chapter, where I present **the Main 19 system** of the full text Quran. You can refer to that chapter why I classified as such. So, it is therefore the main chapter the critics should try to attack and nullify but not the others first. Because if there is no substantial critics on the **the Main 19 system**, then it is itself sufficient to claim a miraculous system over the full text of Quran that supports the intactness of the full text along with its content at the word level.

The second main subchapter includes letters information as well. The reason I separated as such is because, by some people, letters information is *considered* less reliable than chapters, verses and words information. Because, in various writings of the text some of the exact same words might be written slightly differently. An example in English can be given as the word 'color' and 'colour'. Therefore, I wanted to present in the first chapter the 19 System of the key coding patterns without letters information. This way, the system presented in that subchapter will not be able to criticized with text related concerns and thus can be considered as universal. Namely, the codes and the 19 System built by them presented in the first main subchapter, should exist over all the Hafs manuscripts that represent the most common text representation of the full text of Quran. However, it is not

necessarily the same for the codes with letters information, which I separately present in the second main subchapter of this main chapter. In my humble opinion, as long as there is no grammatical error in the writing of the text I used with respect to letters information, then the system with letters information suggest a strong 19 based design over the full text of Quran too. However, anyone with doubts about letters, can only focus on the codes without letters information, which is still sufficient to witness a strong 19 based design over the full text of Quran.

The natural numbers of the text will be used for the codes. They are chapter, verse, words and letters numbers. In the first subchapter, I will present codes with only numbers of chapter, verse and words. In the second subchapter, I will present the codes with the numbers of letters information as well.

As a general rule, all our approaches should be as natural as possible and also practical. There are 4 different natural numbers information, namely, numbers of chapter, verse, words and letters. I will never consider all the combinations blindly as this would not be sensible and practical. I will only consider the most obvious, meaningful and essential combinations of these 4 numbers. Over all, we will consider each of these 4 numbers independently as it seems to be the most natural and obvious way. However, this does not provide the full information about the text and might be considered secondary. For this, the most natural and essential first combination is using chapters, words and words information (without letters) in their natural order when concatenated. The second combination is the same but including letters information, namely, using chapters, words, words and letters in their natural order when concatenated. This way we will have only 2 main combinations both of which provide sufficient information about the content and structure of the full text of Quran. Of course, both of them have some limitations at the information resolution they poses and provide. Let me summarize the combinations of the numbers to be considered. Thee following text numbers and combinations will be used in the two main subchapters.

First main subchapter, **the Main 19 System** will consider the below text natural numbers in the following natural order:

- chapters, verses, words

Also, I will consider the General Verse Index, namely, the overall order of a verse in Quran instead of special verse index as follows:

- General verse index, chapters, words

The second main subchapter is presenting the key coding pattern based codes with letters information and will consider the numbers in the following natural order:

- chapters, verses, words, letters

Also, I will consider the General Verse Index with letters as follows:

- General verse index, chapters, words, letters
- General verse index, words, letters
- General verse index, letters

Lastly, the number of letters per word will be replaced instead of the total number of letters in a verse in the writing order.

All these combinations will be tested mainly on the key coding pattern (KCP) expected places in Quran. They are mainly, the first chapter al-Fatiha, the first verse, Basmala, and the verse 83:20 ("A numbered book it is."), whose meaning seems to be referring the numbered 19 system in Quran.

The singular text numbers are not considered as the main part of the 19 system unless there is extremely clear key coding patterns observed. These are the singular text numbers. However, the codes with them might still be considered supportive evidences.

- chapters
- verses
- words
- letters

This book has evolved over time of around 5 years and became too big to fully revise. In case, if I mentioned the singular text number based codes as evidences, they should only be considered as supportive evidences at most unless they are based on extremely clear key coding patterns. I decided to separate them to make sure the 19 system presented in this book has only most meaningful natural text numbers that might show the *content* and structure of the text together is intact and unchanged.

The coding operations used: Sum, concatenation and digit sum operations are the 3 coding operation tested over the numbers of the full text of Quran in their natural order when possible. The operations also has a natural priority order as written from sum, then concatenation and lastly digit sum is tested. Let me clarify this with an example. Let's say we summed the chapter, verse and words information as this 4,6,9 and got 19. So the resulting number from the decimal sum operation is 19 and we will use this sum operation as the key coding pattern to test the same pattern over the full text of Quran. However, since each number has only one digit we could also say that the digit sum of the numbers also multiple of 19. So, the question is, which one we will use as the key coding pattern to test the full text of Quran. In such cases, the natural priority of the operations that I described is

used and in this example only the decimal sum operation is used as the key coding pattern to test the full text of Quran and the digit sum case is not tested nor counted.

In summary we have the following coding operations in the natural order of priority as follows:

1. Sum
2. Concatenation
3. Digit sum

Lastly, for the reference, to the best of my knowledge, **all** the codes of the 19 System, which are based on **the key coding patterns** presented within this main chapter, Chapter 4, are first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself.

4.1 Key Coding Patterns based 19 System of the Full Text of Quran Without Letters

In this main subchapter, I will present the codes of the 19 System of the full text of Quran based on the key coding patterns without letters information. Basically, in this subchapter, I will consider the numbers of the following combinations in the natural order:

- chapters, verses, words
- General verse index, chapters, words

For these numbers combinations, as mentioned before, I looked at few places to find the key coding patterns. I mentioned them before but to remind, the main places are, the first chapter Al-Fatiha, the first verse Basmala, the special verse 83:20 with strong meaningful connection to the 19 Coding System.

4.1.1 About the Even and Odd Coding Pattern

The even and odd coding pattern based system only defined for the al-Fatiha chapter based 19 System, which is the core of the 19 System presented in this book. So all the information about even and odd coding below refers to this system part.

In this section, I will explain explain why I did hypothesize the even and odd based coding pattern. Among others, one of the universal rules were as follows:

A coding hypothesis must have a meaningful support from the verses of Quran such that we can interpret the meaning of the verse, at least potentially, referring to the coding we hypothesized. To clarify this rule, the reason I selected number 19 as the common divisor of all the codes but no other number is that there is this *separate* verse in Quran: “74:30. Over

it is Nineteen", which we interpret that Quran might have 19 based coding system over its text that shows the intact design over it and hence the intactness of it.

Similarly, in Quran at the chapter Al-Fajr, which is Chapter 89 and Verse 3, there is this independent verse that we might interpret, among others, such that it might also refer to an even and odd pattern based codings of the 19 based system of the text of Quran.

> "by the even and the odd", Quran, (89:3).

Basically, the reason we test the even and odd coding pattern in **all the evidences of the successful al-Fatiha sourced key coding patterns based 19 system** in this main chapter, is because there is this independent verse, 89:3. I hypothesized that this verse might also be about the 19 based codings of the text of Quran and, if it is, it should also be witnessed primarily within the **main 19 System** of the text of Quran if not all. Since the overall main 19 System of Quran is considered the system of codes based on the key coding patterns presented within this main chapter, **as a compulsory rule**, all the suitable codes of the 19 based System with the key coding patterns are also followed up and tested for the even and odd coding pattern version of it. Since the even and odd coding pattern is based on pairing coding pattern, which pairs the even and odd parts of the code with its corresponding number pair, by the nature of it, only concatenation coding pattern based codes are suitable to follow up and test for also with the even and odd coding version of it. Because, for example, sum of all numbers would be equal to sum of odd and even parts of the same numbers and thus not suitable to test for even and odd coding pattern as it would be mathematical necessity to be multiple of 19 in such a case and thus not suitable.

By the way, it is also interesting to see the concatenation of the indices of this verse, 89:3, *893* is also multiple of 19 and the remainder is 47 where the first digit of it, 4, is even and the second digit, 7, is odd too. This stands as a weak but interesting *sign* that this verse well may refer to what I hypothesize in this book. Not to mention, there was already other kinds of even and odd based interesting coding proposals based on only the chapter and verse indices at a website called amazing19.com. A simple internet search brings many similar claims on that. However, the evidences you will witness in this book is different than all the others. Because, first, unlike all the others, I also include **all** the word content information of the full text of Quran as described already in the rules of this chapter. So, the even and the odd based coding evidences you will witness in this book suggest the intactness of the full text of Quran but not for only about the order of chapter and verse indices as others do. Moreover, the evidences I present in this book are bound by all the general rules I described in Chapter 4.1.2. Now, let's continue describing the even and odd pairing coding pattern.

The even and odd pairing coding pattern closely resembles to **the double helix** of the **DNA** structure, where one strand represents even and the other strand represents the odd

numbers in our case. We first classify the text of Quran as even and odd with respect to the chapter indices.

The rules we have **to classify verses as even and odd** is as follows:

If the key coding pattern is based on chapter level data, then we classify the verses belong to even chapters as even. Otherwise, we classify the verses as odd verses. If the key coding pattern is using all the verses of a chapter using its verse level data, we again classify the verses belong to even chapters as even. Because, in such a case, the whole chapter is used and we classify verses regarding chapter level data. Additionally, if the content of a verse is explicitly referring to chapters (suras) instead of verses, then the verses regarding this key coding pattern is still classified regarding chapters as described before. An example of this is the verse 10:38 ('… Then produce a *sura* like it …').

The second rule to classify verses as even or odd is using their general verse indexes. If the key coding pattern is based on a single verse (without chapter relation), then we classify the verses belong to even general verse indexes as even. Otherwise, we classify the verses as odd verses.

After performing the even and the odd classifications, then we apply the **pairing** coding pattern that I first time introduced in this book, which is similar to the structure of **the double helix**. Basically, we start pairing the even and their corresponding odd numbers by concatenating each pair in natural order and then concatenate all the paired numbers again in the natural order to get the single big even and odd paired codded number. As an example, if we want to get even and odd pairing coding number of the numbers from 1 to 10, then we start pairing them first as 21,43,65,87,109. We then concatenate the pairs again in the natural order and get this big even and odd codded number 21436587109.

While using verse level text numbers with chapter based even odd classification, one side of even or odd might be shorter as we classify them by chapter indexes in the case of key coding pattern is based on the whole chapter. Then naturally, the shorter side starts over from the beginning while pairing. The reason I used this pairing pattern of unequal pairs is because it is the most natural one we could design. Since the representation number is a big number, we might also witness a miraculous evidence.

Since it is not suitable, the code obtained by a sum operation cannot be coded with the even and odd coding pattern. Because sum of two groups give the same number as the initial direct sum. Also, since the even and odd coding pattern is itself based on pairing coding patterns, it can only be clearly applied to codings based on a concatenation of a single category text.

Always, the probabilities are only roughly calculated. It should provide the approximate probability. Feel free to calculate the precise probability if you will.

4.1.2 The Main 19 System utilizing Al-Fatiha over the Full Text of Quran Without Letters

In this chapter, I will present the **Al-Fatiha based 19 system** of the full text of Quran, which I consider it within the **Main 19 System**. This means, considering the rules, we test all the sensible possible codings over the 4 possible natural numbers of the text of the key chapter, chapter Al-Fatiha, and whichever of the tested codings over Al-Fatiha is successful, namely, multiple of 19, then those ones are considered as the key coding patterns, like clues, and all of them have to be tested over the full text of Quran as a rule. The ones that are also successful in the full text of Quran are considered as evidence codes and part of the main 19 System of the the full text of Quran presented in this book. We count all the successful numbers of tests and total number of trails and can easily calculate the probability of what we observe.

When all the possible sensible codings tested regarding the 4 mentioned natural numbers of Al-Fatiha at the *chapter level* numbers, I observe only two codings as multiple of 19 thus they will be tested over the full text of Quran as the key coding patterns. As you will witness in the following subsections of this subchapter, both of these key coding patterns also exist over the full text of Quran. See Chapter 4.1.2.3 and Chapter 4.1.2.5 for these two codings. Moreover, as per the rules we need to test the even and odd coding patterns as the obligatory follow up tests for each successful key coding patterns. For the details about why we always test with the even and odd coding patterns as follow up test, one can read the Chapter 4.1.1. Therefore, we test the even and odd coding patterns for these successful key coding patterns and observed that they also exist over the full text of Quran. See Chapter 4.1.2.4 and Chapter 4.1.2.6 for these two codings.

When we look at the verse level data of Al-Fatiha to look for key coding patterns similarly, we observe one successful sensible coding without letters information. When we test this key coding pattern over the over the full text of Quran at the verse level data we observe that it also exist in it. Moreover, we test the follow up even and odd coding pattern with this successful key coding pattern and it also exist over the full text of Quran.

By the way, there is also one successful sensible coding *with* letters information observed at the verse level data from the chapter Al-Fatiha, which is a pairing coding operation. When tested, this key coding pattern also exist over the over the full text of Quran at the verse level data. Since pairing and sum coding operation are not suitable, as per the rule, this key coding pattern is not tested for the even and odd coding pattern. This coding will be presented in the second main subchapter with the letters information separate from this first main subchapter that only presents codes without the letters information.

4.1.2.1 About the 19 System based on the chapter Al-Fatihah based coding patterns

Assuming that the text I used and the computations I performed are correct, I consider the **Al-Fatiha based 19 system** I present in this chapter as the most important evidences that demonstrates an apparent 19 based system within itself though it is still part of the general 19 system that is the combination of all the evidences I present in this book. Since the evidences presented in this chapter are mainly based on the rules derived from codings observed in, arguably, the most important and also the first chapter of Quran, named Al-Fatihah (The Opener), I consider them as the most important evidences in my humble opinion. This is my conclusion considering all the 19 based codings that I discovered and presented in this book. This is because the evidences I present in this chapter are based on a clear, universal, meaningful and quite a strong rule with which we can easily screen all the possible coding trials.

The evidences of the **Al-Fatiha based 19 system** presented in this chapter suggests the intactness of the full text of Quran to a great degree. By full text, I mean including **all** the number of words at each verse and chapters along with the current exact structure and order of the chapters and verses. Since there is no letter based coding in the **Al-Fatiha based 19 system**, it might also be considered universal as it covers chapters, verse and words information only, which is less open to variations in writing in comparison to letters information. The Hafs recitation is known as the common manuscript, which represent the text of Quran, which is used by around 97% of Muslims (Saleem 2018). It can be easily accessed from commonly used websites, such as tanzil.net or quran.com. See Chapter 3.1 for the details of the text I used in this study.

The coding evidences of this chapter together make the **Al-Fatiha based 19 system** suggest a design over the full text of Quran down to the number of words. Since we observe a miraculous design over the text, it suggests that the Quran text, which I explained in detail in Chapter 3.1, is intact and unchanged. If there was even a single word missing or redundant, or the structure of verses or chapters were any different, then all my evidences together would most likely be invalid. Therefore, the *Al-Fatiha based 19 system* presents solid mathematical coding evidences that strongly support the hypothesis that the full text of Quran is unchanged since the year around 632 when it was first *fully* revealed and recorded.

My main coding approaches can be best summarized in short as *the concatenation of the natural numbers of the text in the natural order*. When I realized that there are many independent 19 based codings available in Al-Fatiha (The Opener), I then hypothesized that God might have left those special coding patterns of Al-Fatihah as clues, as **the opener** of the Al-Fatiha based 19 system, so that we might easily discover the 19 based system design in the full text of Quran and be assured by the witnessing it. My hypothesis turned out to be

validated and I ended up discovering the Al-Fatiha based main evidences. All the evidences of the chapter (without the letters information), including the successor even and odd coding evidences, together makes **Al-Fatiha based 19 system** that I discovered and presented in this book. I consider the other evidences I presented in this book as additional and not as primary comparing to the **Al-Fatiha based 19 system**. This is my personal conclusion considering all the evidences I witnessed. On the other hand, I also sometimes present some codings as **facts**, not as evidences of the 19 System, because they are not within the boundaries of the rules I described. I present them because I might still find them interesting and also they might be potential evidences that I might not have noticed the correct rule yet and some other researchers might notice later in case it exists.

I already described the rules in a separate chapter for about how to obtain the codings to be tested. Briefly, the particular rule of this main chapter is that, regarding all the mentioned rules, we try all the possible sensible coding patterns and whatever the 19 based sensible and successful coding patterns we observe on the chapter Al-Fatiha of Quran, then we will further test it over the full text of Quran as well since we hypothesize that they might be left as the clues for the Al-Fatiha based 19 system of the full text of Quran. Also, as mentioned before, for any key coding pattern of Al-Fatiha that is validated over the full text of Quran, we must also test them with the follow up even and odd coding pattern as per the defined rules.

In order not to make the book too long, I might not print out here all the big coding numbers of each evidence. However, you can easily run the codes I provided and regenerate them. Alternatively, you might access them and other related materials from the Github repository of this book at https://github.com/quran2019/Quran19.

Lastly, for the reference, to the best of my knowledge, **all** the evidences of the **Al-Fatiha based 19 system** presented within this main chapter, Chapter 4.1.2, are first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself.

4.1.2.2 Rules of Al-Fatiha based 19 system evidences

Here I state the rules that have to be used in **all** the evidences within this chapter, Chapter 4.1.2, if applicable over the numbers to be tested.

1. **Meaningful code patterns**: All the rules, universal or particular, must be meaningful. We should be able to find answers for what and why we are applying each of the coding patterns. No redundant information can be added or removed. Manipulations at any level, even for a single letter, are *not* allowed at all for any reason. This is a universal rule and reminded here that is followed in all the chapters of this book.

2. **Codes and Context from Quran**: This is also another universal rule that is reminded here. The coding hypothesis must have meaningful support from the verses of Quran such that we can interpret the meaning of the verse, at least potentially, referring to the coding we hypothesized. To clarify this rule, the reason I selected number 19 but no other number for the divisibility test is that there is this independent verse in Quran (74:30): "Over it is Nineteen", which we interpret such that, Quran might have a 19 based system design over its text that indicates the intactness of it. This rule is very important as it dramatically reduces the potential testable number of codings in it. This rule also partly answers the thoughtless counter argument and the ignorant stereotype critics such that "*all books has some kind of patterns in it*". Because, this rule connects the content information of the book to the text medium that conveys the content information.

3. **Coding patterns in order of importance**: As mentioned before, sum, concatenation and digit sum operations are the 3 main coding operation tested over the numbers of the full text of Quran in their natural order when possible, with the priority from sum, concatenation and lastly digit sum. Also, if we see an operation, for instance sum, is used in the key coding pattern, while testing it in chapter level data, we must use it for each chapters and concatenate all in natural order. The process is the same with verse level number. In the verse level data, we must use the operation for each verses and concatenate all in natural order. This when we have to test a key coding pattern both in chapter and verse level data. Also, concatenation must always be used to connect chapters if we observe a key coding pattern at the chapter level numbers in the special chapter, which is Al-Fatiha in our case. Similarly, concatenation must always be used to connect verses if we observe a key coding pattern at the verse level numbers in the special chapter of Al-Fatiha. But, any key coding pattern observed from an isolated meaningfully relevant verse, we have to test that key coding pattern both in chapter and verse level data. Because an isolated verse is does not represent all the verses in a particular chapter like we observe in Al-Fatiha and we cannot *clearly distinguish* whether the pattern is specific to verses only or not. If there is a single number without any operation, then we look at what that single number represents. If it represent for example number of total chapters, then we look at the sum of chapter number in the verse or chapter level data similarly as an example. If it represent a verse index for example, then it is not about sum and we just use concatenation operation at the verse level and chapter level data using indexes similarly.

4. **Re-writing always with letters data**:The special coding pattern, which is called as *re-writing* coding pattern can only used if there are letters numbers information in the code. Because, it literally tries to represent the text by re-writing from right to left as in Arabic text. Therefore, whenever we have letters information among the

numbers, the direction of concatenation is always from right to left as in Arabic, which seems as the reverse order of the standard concatenation we use. This is also another universal rule that is reminded.

5. **Ignoring identical**: If a coding pattern is used and obtained a successful coding number but some other coding patterns also resulting the same successful number, only the first coding pattern with the higher priority is used and the others are ignored. Since the coding patterns have priority, the coding patterns with the highest priority is used as the key coding pattern alone. Namely, sum, concatenation and digit sum is the order of priorities of the coding operation, respectively.

6. **Natural numbers in natural order**: The natural numbers of the full text of Quran is concatenated in natural order by default. For example, if we are using the numbers, the natural order starts from 1 to the maximum number, such as 1 to 114. The numbers of the text has also natural order, which starts from chapters and proceeds in the natural order as verses, words and letters. This is also another universal rule that is reminded here.

7. **Three levels of text numbers**: As there are three levels of the numbers of the text that can be derived from the full text of Quran, which are total level, chapter level and verse level as described in Chapter 3.2.1, the evidences of this chapter must consider those levels and be tested in all of them *if relevant*. This is also another universal rule that is reminded.

8. **The chapter, verse and words information are considered universal**: Since this particular subchapter provides the **Al-Fatiha based 19 system** of the full text of Quran, **Al-Fatiha based 19 system** should have been readily available to be discovered at all times since Quran was revealed in its completeness since 632. Although I used the common Hafs manuscript text that represents Quran, there might still be various versions of Hafs manuscripts considering various slight differences in writing of some of its words because of varying writing styles. Namely, they are the same words but they might have slight differences in letters while writing the same word during the history. See the details on this matter in Chapter 3.1 and Chapter 3.2.1. The **Al-Fatiha based 19 system** of the text of Quran presented in this particular subchapter Chapter 4.1.2 does not include the letters information and therefore represents almost all of the Hafs manuscripts. Namely, the evidences of the **Al-Fatiha based 19 system** should incorporate information that verifies the exact structure and content of the text of Quran in most of the Hafs manuscripts of the current and past time. Since the main sounding narrative about the preservation of Quran is such that "it has been protected till the last word of it", the three text elements of the text, *chapter, verse and words*, is universally required

in any code that claims to stand as an evidence for the protection of Quran along with its content and structure at some level. These three content information of the text together are the bare minimum to represent the full text with its structure and content information. As mentioned before, there might be some variations in writing some of the words with slight differences in writing of the same words but they all mean the exact same word. In English, we can give an example of the word "color" and "colour" for the same word written with different letters. Therefore, I consider the codes without the letters information as the most universal as it covers almost all of the Hafs manuscripts and independent from the slight letters differences. On the other hand, in the second main subchapter, Chapter 4.2, I will also include the letters information in the trials to make sure I have followed scientifically rigorous approach and try to answer all possible critics and questions. So, the coding patterns will be tested in both of the possible content information to represent the text. However, the ones with *chapter, verse and words* information is considered the most universal codings and thus I classified as **the Main 19 System**. The codes with *chapter, verse, words and letters* information is providing more resolution but is not considered as at the same level of strength like the universal codes. Basically, all the two possible combinations to represent a full text with its structure and content will be tested and included in the probability calculations but separately. The people who might have doubt about the letters of the text can then focus on the this main subchapter, Chapter 4.1, for the most universal 19 System, **the Main 19 System**, which does not have any letters information in its codes.

9. *All sensible code patterns regarding rules are tested on Al-Fatiha to find keys*: For this particular subchapter, Chapter 4.1.2, the question then becomes which coding operations we can try on Al-Fatiha? The short answer is all the possible and sensible ones that are also meaningful and in accordance with the rules described here in this sub-chapter.

10. **Pairing coding pattern**: Pairing is a special concatenation coding pattern that we might use to test between two different categories when suitable. Because of its special structure, the current even and odd coding pattern cannot be applied to a paired code. Because the even and odd coding pattern is already using pairing coding pattern but applied to single category numbers by replacing the order of the text by prioritizing the even ones first. Moreover, the rewriting coding pattern is never used together with the pairing coding pattern as pairing is not considered a rewriting of the text.

11. **The even and odd coding pattern is applied as well:** After each of the successful key coding patterns, we must also test them with the even and odd coding pattern over the full text of Quran in the same text category (6348 or 6236) if suitable.

Namely, for instance, for each Al-Fatiha based successful coding, we also have to test **the even and odd pairing coding** pattern as the follow up test as per the rules. This is a general rule for all the successful key coding patterns. See the sub-section Chapter 4.1.1 for more details on the even and odd coding pattern. Basically, the reason I test the even and odd coding pattern in all the key coding pattern based evidences is because there is this independent verse: "by the even and the odd", Quran, (89:3). I hypothesized that this verse might also be about numbers and if so, it should also be observed within the **Main 19 system** of the full text Quran, which is the key coding pattern based 19 System. As I consider this part of the 19 System as the the most important part over all the other codes, I expect that the even and odd coding pattern might also exist in this most important 19 System. Because, for example, if the **Al-Fatiha based codings** we witnessed are really part of the **main 19 system** of the text Quran, the further ensuring even and odd coding pattern based codes might be expected to be within the same system part. The follow up even and odd coding pattern based coding test are therefore required and if successful, it further assures and strengthen the **Main 19 system**.

12. Another special rule for **the even and odd pairing coding pattern** is such that, it is always paired as even numbers first and then the corresponding odd number. This rule follows the exact observed order in the source verse, which is "by the even and the odd", Quran, (89:3). Also, **the even and odd pairing coding** pattern is applied to the same text type of the key coding based evidence it follows, either 6348 or 6236.

In the above points, I described all the rules of the key coding pattern based 19 System of the full text of Quran. I consider the codes of this system **without** letters information as the **Main 19 system** of Quran. Those are the rules I defined based on my observations to make sure the 19 System I present is rule based system with which we can easily count all the possible 19 based coding trials and thus can measure the coding space of all the possible trials. This has vital importance to be able to accurately calculate the probability of what we observe in the end. I try to follow a scientific approach to be able to measure the probability of the 19 system of the full text of Quran that I discovered and present in this book. You might come across other earlier or later claims regarding the 19 based system over Quran but, to the best of my knowledge, none of them provide the total possible number of trials of their claims. In fact, as far as I know, the system I discovered and present in this book is the first fully rule based 19 system in literature. Without a rule based claim, we cannot measure the boundaries of the proposed system and thus cannot measure whether what we observe is extraordinary or not.

4.1.2.3 Fatiha Evidence to Silence: Harmony among Chapters, Verses and Words

The code I will present in this chapter is the first Al-Fatiha based code evidence of the **Main 19 system**, which is also a key coding pattern based system. I discovered this evidence on February 10, 2020 and added into the e-book right away. I might have discovered it before without its connection to Al-Fatiha but have forgotten this evidence when I first discovered the initial evidences and published them in this book in 2019. Because, it is so evident and similar to my other evidences. I was so overwhelmed with many evidences while writing this book and probably forgot this one by then as I had not seen the relation of it with the **Al-Fatiha based 19 system**. After the publication of my book, there were some critics on my book as it was mostly based on the evidences that includes the number of letters. Since some have doubts about the exact letters, they doubted about those evidences that include letters information. I guess, it may seem too good to be true for them. Having this criticism in mind, I was looking at the table below, which shows each chapter and the number of verses, words and letters within each chapter.

```
x<- dfVCWL
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbers at chapters in Quran.')
```

Table 4.1: Table head of the numbers at chapters in Quran.

Chapter_index	Verse_sum	cWords	cLetters
1	7	29	143
2	287	6144	26268
3	201	3505	15004
4	177	3767	16351
5	121	2841	12225
6	166	3060	12745

The most important chapter in Quran might be considered as the first chapter, Al-Fatiha (**the Opener**). This chapter is recited in every obligatory daily prayers by all Muslims. Reciting Al-Fatiha in the daily prayer is *considered* a requirement by the Tradition. Therefore, all Muslims know and recites this first chapter of Quran every day in the obligatory daily prayers. This numbers if this uniquely important and also the first chapter of Quran caught my eye as the digit sum of the chapter index (1), number of verses (7) and number of words (29) is exactly 19 (1+7+2+9 = 19). This woke me up right away. I then tested the universal concatenation rule of this book by concatenating these numbers, as

always, in the natural order from chapters towards words. Then I got 1729, and it is also multiple of 19 as 1729/19 = 91.

As we witnessed, there are two simple and crystal clear 19 based codings in the most important chapter, Al-Fatiha, of Quran. They stand apparently in the first and most important chapter of Quran. Namely, over the chapter Al-Fatiha, or "over it is 19". There is also the independent verse at chapter 74 and verse 30, 74:30 "Over it is 19". Since, we clearly see 19 over the Al-Fatiha, it is fair to hypothesize that the clear 19 based codings over the. chapter Al-Fatiha might be left as clues to discover the main 19 based system over the full text of Quran.

Then, I learned the pattern! My hypothesis was simple. God might have left us these obvious and simple coding patterns as clues within the most important and most recited and also a short chapter of Quran so that anyone can observe it and even manually try and witness those coding patterns and consider them as potential clues and migt then test it over the full text of Quran. Therefore, the next step for me was to test these patterns in the full text of Quran. Because, as a information coding expert, the hypothesis I thought was that they might be left as clues or key coding patterns and if the hypothesis is true then we should observe these two coding patterns in the full text of Quran too. For each of the 114 chapter, I first applied these patterns and obtained the representation number of each chapter. I then concatenate them from first chapter till 114 in the natural order as always. This concatenation approach is similar to what we observed in Evidence 5.5.1. Regarding the big number to be tested, since I inferred this pattern specifically from the first chapter, Al-Fatiha, this evidence has its own rule and not necessarily have to fully align with the rest of the book. I already described all the rules before.

In this particular section, I present one of the two codings as an evidence code that we learned its coding pattern from the chapter level representation number of the first chapter, Al-Fatiha, which is 1729, where the chapter index (1), number of verses (7) and number of words (29), which were concatenated in the natural order. Let me also illustrate the coding pattern of this evidence. Basically, we first concatenate the chapter index, the number of verses and also the number of words in each chapter within itself and then concatenate all of them in the natural order again and get the big representation number of the full text of Quran as illustrated below:

> [Chapter 1 | Total Verses in Chapter 1 | Total Words in Chapter 1] [Chapter 2 | Total Verses in Chapter 2 | Total Words in Chapter 2] . . . . . [Chapter 114 | Total Verses in Chapter 114 | Total Words in Chapter 114]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. Square brackets are used to separate each chapter information and all the adjacent brackets are concatenated to each other by default.

Considering all the 6348 verses of Quran, if we use the real numbers in the above formula, it would be like this:

[1 | 7 | 29] [2 | 287 | 6144] . . . . . [114 | 7 | 24]

And, the final number after all the concatenation would look like this:

172922876144 114724

See below R programming scripts for the proof of this evidence. They can be used and the code can be easily **reproduced** and witnessed as if it is a *Reproducible Miracle*. I will print out this 800 digits length big number in the end of this chapter so that you can easily perform tests and checks on it. The final big number includes all the verses, including the unnumbered Basmala verses of Quran, which means this evidence exists over the text type of all the 6348 verses of Quran.

```
require(gmp)
require(data.table)
# dfVCWL is a data table that keeps the chapter level text numbers of
the 6348 verses
tmp <- paste0(dfVCWL$Chapter_index,dfVCWL$Verse_sum, dfVCWL$cWords)

head(tmp) # head part of the text

## [1] "1729"     "22876144" "32013505" "41773767" "51212841"
"61663060"

tail(tmp) # tail part of the text

## [1] "109731" "110423" "111627" "112519" "113627" "114724"

tmp <- paste0(tmp, collapse = "")
#Test if the remaining is 0 from mod 19.
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 800
```

This evidence suggests that chapters, verses and words of Quran is under the observed 19 based coding system of the text of Quran. In particular, it is part of the Al-Fatiha based 19 system and not distorted from the beginning and unchanged since the year around 632.

Additional Key coding pattern for this code from verse 10:38: Chapter 10, verse 38 has 16 words. When concatenated we get *103816* coding number and it is multiple of 19. The exact key coding pattern also exist in the first chapter of Quran, Al-Fatiha, and also in the full text of Quran as presented in Evidence 4.1.2.3. As a side not, the remaining of 103816 after dividing to 19 is 5464 and the digit sum of 5464 is also exactly 19. As per the rules, if the content of a verse is explicitly referring to chapters (suras) instead of verses, then the verses regarding this key coding pattern is still classified regarding chapters as described before. An example of this is this verse 10:38 ('… Then produce a *sura* like it …').

> 10:38 Or do they say, 'He has devised it'? Say, 'Then produce a sura like it, and call on anyone you can beside God if you are telling the truth.'

The coding pattern in Al-Fatiha is also tested over the second text type, namely in the 6236 numbered verses, as per the general rules. But we only observed it over the text type of 6348 verses. Therefore, statistically, we performed two trials and observed one success in this particular coding pattern of Al-Fatiha.

Let's add the number of successful evidences and the number of tested trials regarding this evidence so that in the end of the book we can calculate the global probability using the counters. We will add them into the counters.

```
#Two trials one successes
alFatihah_tested_nums <- alFatihah_tested_nums + 2
alFatihah_success_nums <- alFatihah_success_nums +1
```

Here is the "800" digits length big number:

"17292287614432013505417737675121284161663060720733458761246912925051011018431112419501211217991344857145383415100661161291848171121562181111587199997520136135721113117822791283231191056246513232578900262281324279411632889144229709823061821313555432313763374130734558883546782368473437183869388973939761181408612304155798425486443908404460350453849246366494739546483056449193575046377516136452503165363364545634655793565697383573057958234795925451601435661152306212181631218564192466513293661325867313376853305695326470452217129231722929073212047457260754116876322477751185784117879471838043137813010882208583371738426112852311386186587207688279689311439021869116589222759312449493195938962076976349899899401001244101124010293210341810410371056271065211078291084141097311104231116271125191136271147 24"

4.1.2.4 Even and Odd chapters at the chapter level Evidence in all the 6348 verses

Since the even and odd evidence code I will present in this chapter, as per the rule, is the follow up code to the previous evidence, Evidence 4.1.2.3, I placed this evidence right after the previous chapter of the predecessor evidence. These two separate consecutive coding evidences together constitute the hypothesized dependent evidences pair from the Al-Fatiha based 19 system, which is also part of the key coding pattern based Main 19 System of the full text of Quran.

As per the rule, for each of the key coding pattern based evidence code, which is based on Al-Fatiha in this case, which exist over the full text of Quran, as per the rules, we have to follow up and also test the even and the odd coding pattern over the same numbers and patterns used in that predecessor evidence. As we observed the successful key coding pattern based evidence over text type of all the 6348 verses, the follow up even and odd coding pattern also exist in the same text type, namely the 6348 verses.

Let me first illustrate the follow up even and odd pairing coding pattern as follows, which, as mentioned before, closely resembles to **the double helix** of a **DNA** structure, where one strand is even and the other strand is the odd numbers as formulated below:

> [[Chapter 2 | Total Verses in Chapter 2 | Total Words in Chapter 2] [Chapter 1 | Total Verses in Chapter 1 | Total Words in Chapter 1]] [[Chapter 3 | Total Verses in Chapter 3 | Total Words in Chapter 3] [Chapter 4 | Total Verses in Chapter 4 | Total Words in Chapter 4]] . . . . . [[Chapter 112 | Total Verses in Chapter 112 | Total Words in Chapter 112] [Chapter 111 | Total Verses in Chapter 111 | Total Words in Chapter 111]] [[Chapter 114 | Total Verses in Chapter 114 | Total Words in Chapter 114] [Chapter 113 | Total Verses in Chapter 113 | Total Words in Chapter 113]]

As it is seen the predecessor key coding pattern still kept within each of the chapters as illustrated within the rectangular brackets. However, they are concatenated by placing the even pair before the odd pair as opposite to the normal concatenation, which was already the predecessor coding evidence of it.

If we use the real numbers of all the 6348 verses in the above coding pattern, it would be like this:

> [[2 | 287 | 6144] [1 | 7 | 29]] [[4 | 177 | 3767] [3 | 201 | 3505]] . . . . . [[114 | 7 | 24] [113 | 6 | 27]]

And, the final even and odd coding number after all the concatenations would look like this:

> 2287614417294177376732013505 114724113627

This chapter provides the even and odd pairing coding evidence as a compulsory follow up to the Evidence 4.1.2.3, which exist over the text type of all the 6348 verses. In the following, considering all the 6348 verses, I present the R script to reproduce and test this evidence code. It first classifies the even and odd chapters and pair them **from even to odd** (as per the rule since we observed in that order in the relevant verse of Quran, which is "by the Even and the Odd") and obtains a big number after concatenating them in the natural order. As shown below, it is also multiple of 19 as we can witness in the following reproducible proof:

```
ev<- dfVCWL[(dfVCWL$Chapter_index%% 2 == 0), ]
cat("The number of even chapters is",nrow(ev))

## The number of even chapters is 57

od<- dfVCWL[(dfVCWL$Chapter_index%% 2 != 0), ]
cat("The number of even chapters is",nrow(od))

## The number of even chapters is 57

ev <- paste0(ev$Chapter_index,ev$Verse_sum,
               ev$cWords)
cat("The head of concatenated even chapters to be paired",head(ev))

## The head of concatenated even chapters to be paired 22876144
41773767 61663060 8761246 101101843 121121799

cat("The tail of concatenated even chapters to be paired",tail(ev))

## The tail of concatenated even chapters to be paired 1041037 106521
108414 110423 112519 114724

od <- paste0(od$Chapter_index,od$Verse_sum,
               od$cWords)
cat("The head of concatenated odd chapters to be paired",head(od))

## The head of concatenated odd chapters to be paired 1729 32013505
51212841 72073345 91292505 111241950

cat("The tail of concatenated odd chapters to be paired",tail(od))

## The tail of concatenated odd chapters to be paired 103418 105627
107829 109731 111627 113627

tmp <- paste0(ev, od) #pairing ev and od
cat("The head of paired even and odd chapters",head(tmp))
```

```
## The head of paired even and odd chapters 228761441729
4177376732013505 6166306051212841 876124672073345 10110184391292505
121121799111241950

cat("The tail of paired even and odd chapters",tail(tmp))

## The tail of paired even and odd chapters 1041037103418 106521105627
108414107829 110423109731 112519111627 114724113627

tmp <- paste0(tmp, collapse = '')
as.bigz(tmp) %% 19  #mod 19 must be 0

## Big Integer ('bigz') :
## [1] 0
```

Here is the 800 digits length big number:

"228761441729417737673201350561663060512128418761246720733451011018439
1292505121121799111241950145383413448571612918481510066118111158717112
1562201361357199997522791283211131178246513232311910562622813242578900
2889144227941163306182129709823231376313555434558883374130736847343546
7823889739371838694086123039761181425486441557984460350439084046366494
5384924830564473954650463774919357525031651613645456346536336456973835
5793565823479573057960143565925451621218161152306419246631218566132586
5132936853305673133770452216953264722929071292317457260732120476322477
5411687841178775118580431377947183822085813010884261128337173861865852
3113882796872076902186893114392227591165894931931244962076959389899897
6341001244999401029321011240104103710341810652110562710841410782911042
3109731112519111627114724113627"

One can just copy the big number and paste it into a web based big number calculator and test it herself.

We witnessed that the even and odd pairing coding evidence between even and odd chapters of Quran considering all the 6348 verses. I will show in the next chapter that the same even and odd coding pattern also exist in the numbered 6236 verses too. Therefore, in this section, we performed one trial and observed one success considering the even and odd pairing coding pattern. We add these observations in the even and odd counters to be able to calculate the probability separately as well in the end of the main chapter of this chapter.

```
evenodd_tested_nums <- evenodd_tested_nums + 1
evenodd_success_nums <- evenodd_success_nums + 1
```

4.1.2.4.1 Fact: Even and Odd chapters at the chapter level Evidence in the 6236 numbered verses

Based on the rules of even odd coding testing, we only need to test the key coding pattern based coding in the same text type. In the previous chapter, Evidence 4.1.2.4, we had observed the even and odd coding pattern of the Evidence 4.1.2.3 in the text type of 6348 verses.

I also observed that if we use the 6236 numbered verses we still observe a successful 19 base even odd coding similar to Evidence 4.1.2.4. As per the rule, we are not required to test it but since it looks supportive of Evidence 4.1.2.4, in this chapter, I will present this code as a **fact** butt not as an evidence. Because, as you will see, this code number is not only multiple of 19 but it is multiple of **19x19**. Here, we will see that the same even and odd coding pattern also exists in the text type of 6236 numbered verses.

In the following, considering all the 6236 numbered verses, we observe that the code is not only multiple of 19 but also multiple of 19x19 (361). So, with this code and the previous one, we observe that both text types of Quran (6236 numbered and all 6348 verses) have this same exact same even and odd pairing coding pattern over its text. Here is the proof of this evidence in the following reproducible code:

```
ev<- dfVCwl[(dfVCwl$Chapter_index%% 2 == 0), ]
cat("The number of even chapters is",nrow(ev))

## The number of even chapters is 57

od<- dfVCwl[(dfVCwl$Chapter_index%% 2 != 0), ]
cat("The number of odd chapters is",nrow(od))

## The number of odd chapters is 57

ev <- paste0(ev$Chapter_index,ev$Verse_sum,
               ev$cwords)
cat("The head of concatenated even chapters to be paired",head(ev))

## The head of concatenated even chapters to be paired 22866140
41763763 61653056 8751242 101091839 121111795

cat("The tail of concatenated even chapters to be paired",tail(ev))

## The tail of concatenated even chapters to be paired 104933 106417
108310 110319 112415 114620
```

```
od <- paste0(od$Chapter_index,od$Verse_sum,
               od$cwords)
cat("The head of concatenated odd chapters to be paired",head(od))

## The head of concatenated odd chapters to be paired 1729 32003501
51202837 72063341 91292505 111231946

cat("The tail of concatenated odd chapters to be paired",tail(od))

## The tail of concatenated odd chapters to be paired 103314 105523
107725 109627 111523 113523

tmp <- paste0(ev, od) #pairing ev and od
cat("The head of paired even and odd chapters",head(tmp))

## The head of paired even and odd chapters 228661401729
4176376332003501 6165305651202837 875124272063341 10109183991292505
121111795111231946

cat("The tail of paired even and odd chapters",tail(tmp))

## The tail of paired even and odd chapters 104933103314 106417105523
108310107725 110319109627 112415111523 114620113523

tmp <- paste0(tmp, collapse = '')

#Test mode 19
as.bigz(tmp) %% 19 # This should result 0 if multiple of 19.

## Big Integer ('bigz') :
## [1] 0

#also test mode 19x19 =361
as.bigz(tmp) %% (19*19)

## Big Integer ('bigz') :
## [1] 0
```

As we observed the 798 digits length big number of this code is multiple of 19 too. As you will see, this number is not only multiple of 19 but it is multiple of **19x19**, which makes it more strong in that regard. One can just copy the below printed big number of this evidence and paste it into a web based big number calculator and test it herself. For example, this one or another web application for any precise big numbers calculator, such as this ("Good Calculators" 2019) can be used.

Here is the 798 digits length big number:

“2286614017294176376332003501616530565120283787512427206334110109183991292505121111795111231946145283013438531612818441599657181101583171111558201351353199897122781279211121174246413192311810522622713202577896288814382793115930608172969978323037231345503454884337313033683730354577838887353718286540851226397511774253860415479444593464389836463564545374884829560473854250453734918353524931251603605455342536236056963795578352582247557295756013352592444762111776114226641824263111816612254651228968523016730333704421769522607228286712822774562567320200763124375401647840174775018180421337946179821981812910484251088336169861761852210988269287197290208289301399221719115549482793114096197295834988949753010011409983610282810111361049331033141064171055231083101077251103191096271124151115231146201135 23”

4.1.2.5 Fatiha Evidence to Silence 2: Harmony among Chapters, Verses and Words

This is the second most important key coding pattern based evidence, which is also based on chapter Al-Fatiha. As I presented before, I had discovered Evidence 4.1.2.3 on February 10, 2020 and then added that into the e-book of this book right away. The rule of Evidence 4.1.2.3 was obtained from the most well known and recited chapter, Al-Fatihah, which therefore might arguably be considered as the most important chapter in Quran. As presented before, this chapter has very explicit 19 based coding with the natural numbers of its text. The chapter index of it is 1, the number of verses of it is 7 and the number of words in it is 29. When we concatenate them in the natural order it makes 1729 and it is multiple of 19 as 19x91. In Evidence 4.1.2.3, I had applied the same coding pattern of Al-Fatiha to the full text of Quran and showed that the same key coding pattern also exist in the full text of Quran too. The hypothesis was that the coding patterns in Al-Fatihah might be left as a clue that leads us to the 19 based design over the full text of Quran.

However, there is one more independent coding pattern in the same chapter level numbers of Al-Fatihah, which is based on the digit sum of the same natural numbers as follows: 1+7+2+9 = 19. This is so obvious as the digit sum is exactly 19. So, I set my next hypothesis similar to what I did in Evidence 4.1.2.3. I hypothesized that the same pattern exist in the whole text of Quran and God might have left this apparent coding pattern to us as a clue that might lead us to the 19 based design over the full text of Quran. After testing this hypothesis, I witnessed that it is also correct and I discovered this new evidence, Evidence 4.1.2.5 of this chapter. Along with Evidence 4.1.2.3, these two evidences suggest that the two apparent coding clues of Al-Fatihah exist in the full text of Quran as well. They are so clear and apparent such that there is nothing much to argue on these 19 based evidences, Evidence 4.1.2.5 and Evidence 4.1.2.3, which are based on the two clue coding patterns of

Al-Fatihah. These evidences suggest that the number of chapters, verses, words of Quran might be designed with the 19 based coding system of the text of Quran and unchanged since the year 632 when Quran was fully revealed. Since we witness that both of the apparent coding clues of Al-Fatiha also exist in the full text of Quran, along with their follow up even and odd coding pattern evidences, then we can rationally consider that the Quran is intact and unchanged from the beginning till our current time as there is an intact 19 based design over its text. Moreover, the observed 19 based coding designs over the full text of Quran are complex and hard enough to fairly say that they could not be performed by the people of that time and might only have been done by a supernatural power that we Muslims consider as God, who is also the author of Quran. Also, since we did not use the number of letters in those codings, these evidences should exist in almost all of the text versions of Hafs mushafs of Quran.

The evidence I present in this chapter exist in the numbered 6236 verses of the text of Quran. This means out of the two chapter level clues, namely the key coding patterns, of Al-Fatihah, the first clue pattern exists in all the verses (6348 verses, including unnumbered Basmala verses) and the second clue pattern exists in the numbered verses of Quran (6236 numbered verses). This observation also supports the conclusion of this book, which suggests that both type of the text of Quran are under the 19 based coding system together.

Let's again remember the head of the table over which we will witness the evidence.

```
x<- dfVCwl
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbers at chapters in Quran.')
```

Table 4.2: Table head of the numbers at chapters in Quran.

Chapter_index	Verse_sum	cwords	cletters
1	7	29	143
2	286	6140	26249
3	200	3501	14985
4	176	3763	16332
5	120	2837	12206
6	165	3056	12726

Let me shortly describe how we obtain the big coding number to be tested. For each of the 114 chapters, I first applied the observed key coding pattern, namely, digit sum pattern (as

in Al-Fatiha 1+7+2+9=19) over the chapter level numbers of each chapter and obtained the representation number of each chapter. For example, the first chapter Al-Fatiha is represented by 19 as we compute the digits sum of the chapter index (1), the number of verses (7) and the number of words (29) as this 1+7+2+9=19. We perform the same process for all the 114 chapters and obtain the representation numbers of each chapter. We then concatenate them from first chapter till the chapter 114 in the natural order as usual and obtain the single big representation coding number of the full text of Quran. Let me illustrate the coding pattern of this evidence first as follows, where *DS* stands for the digit sum of the number in the squared brackets:

> DS[Chapter 1 | Total Verses in Chapter 1 | Total Words in Chapter 1] DS[Chapter 2 | Total Verses in Chapter 2 | Total Words in Chapter 2] . . . . . DS[Chapter 114 | Total Verses in Chapter 114 | Total Words in Chapter 114]

If we use the real numbers of all the 6236 verses in the above coding pattern, it would be like this:

> DS[1 | 7 | 29] DS[2 | 286 | 6140] . . . . . DS[114 | 6 | 20]

And, the final big number after all the digit sum and the concatenations would look like this:

> 192914 14

See below for the reproducible proof of this evidence. I will print out this 227 digits length big number in the end of this chapter for you to be able to test easily. This number is based on all the numbered 6236 verses of Quran. As you will see, this number is not only multiple of 19 but it is also multiple of **19x19**, which makes it more strong in that regard.

```
tmp <- paste0(dfVCwl$Chapter_index, dfVCwl$Verse_sum,
                dfVCwl$cwords)
cat("Head of the concatenated numbers per chapter:", head(tmp))

## Head of the concatenated numbers per chapter: 1729 22866140
32003501 41763763 51202837 61653056

cat("Tail of the concatenated numbers per chapter:", tail(tmp))

## Tail of the concatenated numbers per chapter: 109627 110319 111523
112415 113523 114620

#Get digit sum per chapter
tmp <- sapply(tmp, digitsum)
```

```r
cat("Head of the digit sum of the concatenated numbers per chapter:",
head(tmp))

## Head of the digit sum of the concatenated numbers per chapter: 19
29 14 37 28 32

cat("Tail of the digit sum of the concatenated numbers per chapter:",
tail(tmp))

## Tail of the digit sum of the concatenated numbers per chapter: 25
15 13 14 15 14

tmp <- paste0(tmp, collapse = "")
as.bigz(tmp) %% 19 #Test if remaining is 0 with mod 19

## Big Integer ('bigz') :
## [1] 0

#also test mod 19x19 = 361
as.bigz(tmp) %% (19*19)

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 227
```

Additional Key coding pattern for this code from verse 10:38: Chapter 10, verse 38 has 16 words. When concatenated we get *103816* and the digit sum of it is 19. The exact key coding pattern also exist in the first chapter of Quran, Al-Fatiha, and also in the full text of Quran as presented in Evidence 4.1.2.5. As per the rules, if the content of a verse is explicitly referring to chapters (suras) instead of verses, then the verses regarding this key coding pattern is still classified regarding chapters as described before. An example of this is this verse 10:38 ('… Then produce a *sura* like it …').

> 10:38 Or do they say, 'He has devised it'? Say, 'Then produce a sura like it, and call on anyone you can beside God if you are telling the truth.'

As per the rules, we must also test this key coding pattern in all the 6348 verses as well and thus we have one success out of two trials for this evidence coding pattern. On the other hand, there is also a related coding in all the 6348 verses as presented in the following subsection, Fact 4.1.2.6.1, as a **fact**.

Let's add the number of trials and successes into the special counters of the chapter Al-Fatihah based codings as follows.

```
alFatihah_tested_nums <- alFatihah_tested_nums + 2
alFatihah_success_nums <- alFatihah_success_nums +1
```

For the reference, to the best of my knowledge, Evidence 4.1.2.5 is also first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 4.1.2.5 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

Here is the 227 digits length big number:

"192914372832262933322828272342353028442320382330442537425025212023363
930404240283428413539333334332721262528354540333520222521273326252530 2
529351435272629314321252936282729343533212522183029342438357132112201 6
192213251513141514"

4.1.2.6 Even and Odd chapters at the chapter level Evidence with digit sum

As per the rule, for each key coding pattern based evidence, in this particular case that is Al-Fatiha based evidence, we have to test the even an the odd pairing coding pattern over the same numbers and with the predecessor coding pattern. This chapter provides the even and odd coding pattern as a compulsory follow up to the Evidence 4.1.2.5 considering all the 6236 numbered verses, which is also the same text type of its predecessor evidence. In the following, considering all the 6236 numbered verses, we first classify the even and odd chapters and apply the *digit sum* coding pattern of the predecessor Evidence 4.1.2.5 to each of the chapters and pair them from even chapters to odd chapters. We then obtain the big representation coding number after concatenating those in the natural order as always.

Let me also illustrate below the descriptions of the even and odd pairing coding pattern applied in this particular evidence along with the digit sum coding pattern of the predecessor evidence. As mentioned before, the even and odd coding pattern closely resembles to **the double helix** of the **DNA** structure, where one strand is even and the other strand is the odd numbers in our case:

> DS[[Chapter 2 | Total Verses in Chapter 2 | Total Words in Chapter 2] [Chapter 1 | Total Verses in Chapter 1 | Total Words in Chapter 1]] DS[[Chapter 3 | Total Verses in Chapter 3 | Total Words in Chapter 3] [Chapter 4 | Total Verses in Chapter 4 | Total Words in Chapter 4]] . . . . . DS[[Chapter 114 | Total Verses in Chapter 114 | Total Words in Chapter 114] [Chapter 113 | Total Verses in Chapter 113 | Total Words in Chapter 113]]

If we use the real numbers in the above coding pattern with respect to the 6236 numbered verses, it would be like this:

[DS[2 | 286 | 6140] DS[1 | 7 | 29]] [DS[4 | 176 | 3763] DS[3 | 200 | 3501]] . . . . . .
[DS[114 | 6 | 20] DS[113 | 5 | 23]]

Here 'DS' represents digit sum operation and the final number after concatenating them all would look like this:

29193714 1415

We witness below that it is also multiple of 19 as we can see in the following reproducible proof:

```
# dfVCwl has the chapter level numbers table of the 6236 numbered
verses.
# We only use the chapter, verse and words numbers by specifying the
table column indexes 1,2,3.
x<- dfVCwl[,c(1,2,3)]

ev<- x[(x$Chapter_index%% 2 == 0), ]
cat("The number of even chapters is",nrow(ev))

## The number of even chapters is 57

od<- x[(x$Chapter_index%% 2 != 0), ]
cat("The number of od chapters is",nrow(od))

## The number of od chapters is 57

# Get digit sum of each chapter level numbers both for even and odd
ev <- apply(ev,1,digitsum)
cat("The head of even chapters as digit sums: ",head(ev))

## The head of even chapters as digit sums:  29 37 32 29 32 28

cat("The tail of even chapters as digit sums: ",tail(ev))

## The tail of even chapters as digit sums:  20 19 13 15 14 14

od <- apply(od,1,digitsum)
cat("The head of odd chapters as digit sums: ",head(od))

## The head of odd chapters as digit sums:  19 14 28 26 33 28

cat("The tail of odd chapters as digit sums: ",tail(od))
```

```
## The tail of odd chapters as digit sums:  12 16 22 25 13 15

# Pair even and odd digit sum numbers
tmp <- paste0(ev,od)
cat("The paired head of the digit sums of even and odd
chapters",head(tmp))

## The paired head of the digit sums of even and odd chapters 2919
3714 3228 2926 3233 2828

cat("The paired tail of the digit sums of even and odd
chapters",tail(tmp))

## The paired tail of the digit sums of even and odd chapters 2012
1916 1322 1525 1413 1415

tmp <- paste0(tmp, collapse = '')
cat("The mod 19 is zero as follows: ")

## The mod 19 is zero as follows:

as.bigz(tmp) %% 19  #0

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 227
```

Here is the 227 digits length big number:

"291937143228292632332828232735422830234438203023254442372550202136233
039424028402834354133393433273326212825453533402035252227212633252525 3
035293514262731292143292528362927353421332225301834293824735211320121 9
161322152514131415"

One can just copy the big number and paste it into a web based big number calculator and test it herself.

We witnessed that the pairing with digit sum coding pattern between even and odd chapters of Quran considering all the 6236 numbered verses is under Al-Fatiha based 19 system of the text of Quran too. As per the rule, we only need to test the even and odd coding pattern in the same text type of 6236 verses. Therefore, we have one trial and one

success in this evidence. Again remember that we always pair in the direction from even to odd numbers as per the rules.

```
evenodd_tested_nums <- evenodd_tested_nums + 1
evenodd_success_nums <- evenodd_success_nums + 1
```

4.1.2.6.1 Fact as addition to Evidence to silence 2: Harmony among Chapters, Verses and Words

When I see interesting codes that are not within the boundaries of the set rules I might still share them as a *fact*. I do not classify them as part of the 19 based system but they might be interesting to be aware of them anyways. In Evidence 4.1.2.5, I showed that the coding pattern of the first chapter of Quran Al-Fatiha also exist in the full text of Quran. The coding pattern of Al-Fatiha is based on digit sum of the chapter level numbers as 1+7+2+9=19. In Evidence 4.1.2.5, I extended this coding pattern to the full text of Quran using the *default coding pattern*, namely concatenation of the natural numbers in the natural order. We observed this coding pattern was successful in the numbered 6236 verses of Quran in Evidence 4.1.2.5. However, there is also the following coding with the digit sum of the concatenated numbers exist if we look at the numbers of 6348 verses. Basically, not the big number itself but digit sum of the coding of Evidence 4.1.2.5 in all the 6348 verses also multiple of 19. I present this coding as a **fact** as follows:

```
tmp <- paste0(dfVCWL$Chapter_index, dfVCWL$Verse_sum,
              dfVCWL$cWords)
cat("Head of the concatenated numbers per chapter:", head(tmp))

## Head of the concatenated numbers per chapter: 1729 22876144
32013505 41773767 51212841 61663060

cat("Tail of the concatenated numbers per chapter:", tail(tmp))

## Tail of the concatenated numbers per chapter: 109731 110423 111627
112519 113627 114724

#Get digit sum per chapter
tmp <- sapply(tmp, digitsum)
cat("Head of the digit sum of the concatenated numbers per chapter:",
head(tmp))

## Head of the digit sum of the concatenated numbers per chapter: 19
34 19 42 24 28

cat("Tail of the digit sum of the concatenated numbers per chapter:",
tail(tmp))
```

```
## Tail of the digit sum of the concatenated numbers per chapter: 21
11 18 19 20 19

tmp <- paste0(tmp, collapse = "")
tmpd<-digitsum(tmp)
tmpd %% 19 #Test if remaining is 0

## [1] 0

cat("The digits sum of this big number is", tmpd)

## The digits sum of this big number is 779

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 227
```

Also, here is the "227" digits length big number. Recall that not this number but the digit sum of it is multiple of 19 and it is just presented as a fact but not as an evidence.

"19341942242831343319243332282040263349282534282631303338372126252841353545473624393328223538383038322622303340413638312518212632293130303521253119313231343639262125322423343040292630272326343029433112917171621152718211118192019"

4.1.2.6.2 Fact

There is also an interesting relation between Evidence 4.1.2.3 and Evidence 4.1.2.5. As I mentioned before, both of these two evidences are based on the two clue evidences of Al-Fatiha and one of the same clue patterns exist in Evidence 4.1.2.3 over all the verses (6348 verses) and the second clue evidence of Al-Fatiha exist in Evidence 4.1.2.5 over all the numbered verses (6236 verses). As mentioned before, this suggests that both text types are under 19 based coding of the text of Quran. Here, in this fact, I will present an interesting relation between these two evidences as a *fact*.

The relation between both of the numbers of the two evidences, Evidence 4.1.2.3 and Evidence 4.1.2.5, is as follows. The tested number of Evidence 4.1.2.3 is 800 digits in length. The tested number of Evidence 4.1.2.5 is 227 digits in length.

The **fact** is that, the digit lengths of these numbers are 800 and 227. The digit sum of these numbers is exactly 19 as if they complement each other.

4.1.2.7 Fatiha: Verse level Harmony among Chapters, Verses and Words as Evidence

This evidence is based on the key coding pattern that we observed in Al-Fatiha at the its verse level numbers. Therefore this evidence is also part of the **Main 19 System** presented in this book. In this evidence, we will witness that chapters, verses and words are in harmony at the verse level numbers too and within the Al-Fatiha based 19 system. We had already observed the 19 based harmony among chapters, verses and words in Evidence 4.1.2.3 and Evidence 4.1.2.5 at the *chapter* level numbers. In this evidence, Evidence 4.1.2.7, we will again witness 19 based harmony among chapters, verses and words, but this time, at the *verse* level numbers.

As you will recall, in Evidence 4.1.2.3, we had learned the rule to get the key coding pattern of the evidence to be tested from the most well known chapter of Quran, Al-Fatihah. Here, we learn another key coding pattern from Al-Fatiha to get the evidence coding number and use it in this current evidence, Evidence 4.1.2.7.

Here is the key coding pattern that we observe as a 19 based coding in the first and most well known and recited chapter of Quran, Al-Fatihah:

In the chapter Al-Fatihah, at its verse level numbers, for each verse, we **sum** the chapter index, verse index and the number of words in that verse. Since there are 7 verses, I will present the calculation here and get the single number to be tested that represent Al-Fatihah.

Chapter index of Al-Fatihah is 1 as it is the first chapter of Quran. The first verse of it has 4 words. Then, we get the representation number of the first verse as this: 1+1+4=6. If we perform this for all the 7 verses of Al-Fatihah, the we get the representation numbers of each of the 7 verses as follows:

1 + 1 + 4 = 6

1 + 2 + 4 = 7

1 + 3 + 2 = 6

1 + 4 + 3 = 8

1 + 5 + 4 = 10

1 + 6 + 3 = 10

1 + 7 + 9 = 17

Now we have the representation number of each verse of the chapter Al-Fatiha. We then concatenate them as the classical operation of this book by concatenating them in their

natural order. We get the following single number that represent the 19 based coding design in Al-Fatiha as : 6 7 6 8 10 10 17

6768101017

Now we observe, this number is multiple of 19 as follows:

```
tmp <- "6768101017"

#Test if the remaining of mod 19 is 0
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this number is", nchar(tmp))

## number of digits on this number is 10
```

As we witnessed, there is an apparent 19 based coding on the text of Al-Fatiha with its verse level natural text numbers. I have not seen this particular 19 based code on Al-Fatiha before anywhere else. Therefore, if it was not published anywhere else before, this code of Al-Fatiha should also be cited among the novel contributions of this book.

Before testing the evidence code of this key coding pattern let me briefly talk about another interesting fact on it. The digit sum of that single big number, 6768101017, is 37. Also, when divided by 19 to test whether it is under the 19 based coding system, the quotient is 356215843. Interesting enough, the digit sum of this quotient is also 37. I recalled this number instantly because at the chapter level sums, Al-Fatiha has this number as follows: Al-Fatiha is chapter 1, has 7 verses and has 29 words. When summed this also gives 37. This might or might not be a coincidence but I wanted to share it here as a tiny interesting **fact**.

Back to the main point, we just witnessed that there is the above mentioned 19 based key coding pattern in the first and most well known and recited chapter of Quran, Al-Fatiha at the verse level data too. The hypothesis I put forward was that the same code should also exist over the full text of Quran as it might be left as a clue. This means, we infer the **rule** of coding pattern from Al-Fatihah to get the coding number of the full text of Quran to be tested. As we witness below for this current evidence, the same 19 based coding of Al-Fatiha also exists over all the text of Quran as well.

Let's first remember the head part of the table of the verse level numbers of the full text of Quran from all the 6348 verses.

```
x<- unQuran
x$VerseI <- NULL
x$vletters<-NULL
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbers of verses in Quran.')
```

Table 4.3: Table head of the numbers of verses in Quran.

chapter	verse	vwords	text
1	1	4	بسم الله الرحمن الرحيم
1	2	4	الحمد لله رب العالمين
1	3	2	الرحمن الرحيم
1	4	3	مالك يوم الدين
1	5	4	إياك نعبد وإياك نستعين
1	6	3	اهدنا الصراط المستقيم

Let me summarize the key coding pattern to be tested over all the text of Quran. In this Evidence 4.1.2.7, we first **sum** the chapter index, the verse index and the number of words of each verse, which gives the representation number of each of the 6348 verses. We then concatenate each of those representation numbers in the natural order and get the single big representation number of all the 6348 verses of Quran. As we witness in the following, this representation coding number is also multiple of 19 and thus under the key coding pattern based 19 system of the text of Quran, which uses Al-Fatiha as the key source in this particular case.

Also, here is the illustration of the coding pattern I described:

> [Chapter 1 + Verses 1 + Total Words in Verse 1] [Chapter 1 + Verses 2 + Total Words in Verse 2] . . . . . [Chapter 114 + Verse 6 (last verse of Quran) + Total Words in Verse 6]

If we use the real numbers regarding the 6348 verses in the above formula, it would be like this:

> [1 + 1 + 4] [1 + 2 + 4] . . . . . [114 + 6 + 3]

And, the final number after all the concatenation would look like this:

> 67 123

Below is the proof of Evidence 4.1.2.7.

```
x<- unQuran
tmp <- x$chapter + x$verse + x$vwords
cat("The head and tail of the numbers that represent each verse.")

## The head and tail of the numbers that represent each verse.

head(tmp)

## [1]  6  7  6  8 10 10

tail(tmp)

## [1] 119 118 119 122 124 123

tmp <- paste0(tmp, collapse = "")
cat("Mode 19 test of the big coding number:")

## Mode 19 test of the big coding number:

#Test if the mod 19 is 0:
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("Number of digits on this big number is", nchar(tmp))

## Number of digits on this big number is 15430
```

As we see, the mod 19 is zero and thus the big number is under Al-Fatiha based 19 system of the full text of Quran.

We also have to try this coding pattern in the text type of 6236 numbered verses. Thus, we have two trials and one success for this evidence. As per the rules, since we used the sum operation in Al-Fatiha, we do not use digit sum again as their results are identical. Sum operation has always the priority over digit sum in this book as defined in the general rules. Because, as per the Rule 5 of Chapter 4.1.2.2, we only use one of the coding operations, and use the one with higher importance only, if the resulting coding numbers are identical. Because the numbers of the Al-Fatihah is single digit, that coding pattern could also be interpreted that way but because of the priority of operations rule we do not test it as the sum operation has higher importance than the digit sum operation as per the rule. However, we could also test this with general verse index as well instead of the special verse indes and thus we will add additional 2 trials from that possibility. Let's add the trials

and successes into the special counters of the chapter Al-Fatihah based coding patterns as follows.

```
alFatihah_tested_nums <- alFatihah_tested_nums + 4
alFatihah_success_nums <- alFatihah_success_nums +1
```

For the reference, to the best of my knowledge, just like all the other evidences, Evidence 4.1.2.7 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 4.1.2.7 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

One can just copy the below printed big coding number of this evidence and paste it into a web based big number calculator and test it herself.

Also, here is the 15430 digits length big number:

“676810101764111318151921212124242134322429362640473547453961674943506
0484658495657505751566152525655566169696265626283726577807990123888079
7977899389899784861139610188911051059694114101136101117100117119123105
1221131061231171121111121251781171191321271261281441291311311461461291
3213014413115313813614314514915814314714715014215116215115216915815015
5172158165190180179162156169168183170160166169169168168184181173176173
1742091981801921871821941911892002051881922302181901981962002002182312
0525420721820521820021021821127122922621322621721223022322122022022622
3229233234264246239243276236247248262251241240241241236270277262278267
2992612842632742482562692492512732552633022922803112672802633072783072
8228330332830128728827630529430329928328728729330230529332228929829429
8296298413317314314337751217251922562625292824454142302639484942364642
4354515854594846474456637556626064585467695673569772627565638972716877
7089807299848984848582859210885114881071101109611792100116101107991001
0310711811012010810910912511412211812111814012112212612012212313612515
0130132127137143152150144135137136140143146139143148146139140147150161
1541531471511671501581581741721701691611651591731951812321791961741681
9218118517817419218817820318718519218519019319218920119219821821320619
4214199211213211211201204215206216211241206207222232214834223522254730
2528278610435314134414658413643817087444440574747635678617256605859576
0966258888072676475676776708081879294808283918897777591818693969911010
0129118101961099911711011110510811412113012715611313813210812811411313
5128168127130124117125133132127126130150144139140132130144131132147147
1441461421711611551451671461491521771691611481571771811651631661601681
6216616717616317319417718116619517017717817919219218218418318218418419

822919420319019423093060694053733140242240625044443964535348414549464 3
455649474462777252546554565864114736390817768104876579857397737286758 5
928280811168295971049494951111038710597106100941041011131091051049811 0
105139111116110122123151121129112115121132116129133130163138135129179 1
291391331411371661511341481361021222121234329272429274328443031403162 3
941404140634350504455645153626952626662615959637060756769638474837487 6
783857896888480868098817897871211168610394909710110297111109991031119 8
100102110112112141120148129118114119117149121125124118125119125126139 1
361291391411311431321401341341551381471521441591591411431701431641471 4
715714716017316317016716617816417219019018016619116318319919317617716 9
176198201184182183177177199192119222421241920242728343633262630393743 5
233574243395365575253546569526154818560705864867962716769717777699893 7
078938287767980838588878582103941039211510610591100911011009910297991 3
011711311713810910411211611412012111311411612613111812612013012412012 1
125124125123131126133134135131130130132132149139137149155151158147160 1
511531641531541731691561561661721911661721891671771741961691741741762 0
319320719717421018818619719019018419318921618719720519518619521319319 5
216201195197195202214203231223225209205206212215228212214217213217220 2
162332192282241227271723242538232836414334283544463251403740425346534 7
465654565953635665636263588285717166677292757168777979737675807510181 8
291811001009586881039212594100105192544354033393331293339423435494450 5
245403952665753486567626356567263817776649265746567687073737375748374 8
581757783879196838890879195931101051041059412996941019810811411799117 1
111101131071111111161261241211331221191221231351341321281281291301271 4
014014513415713714214514214215315813718114815314915114615115715115314 1
638424238303224343439494034644441574646537359774652645649566853536174 6
369646862666364647571696581727275748581718278898911382778985101921038 8
931159810010699969810495100108991151071051011131271101271081161271261 1
511411512912412412512712314112413214114113015222239233533494131343250 4
241404367524155414048464548675963517357546358645968607763737774718177 7
879797681808173858983828810095979387958691959991969896911021011161031 0
212210510212211110811913512311012111912412311611311811811912013612513 0
120126126133137140139132135141139133153136139145148141136150161820313 2
334326353538353238354432484848416543585560574953516075636256587575766 1
847372806468807375728492768080758576798882798892931031021071109797889 6
979298121113106104129111105113109109111120122111125112115117118113128 1
181191251591341281211261281251331371501411461729414044433935362737593 4
455439747258474047545144615559525071955885616774697260667073711831303 3
374046323560575443433834374754473969805453515359544756667156636265777 0
666363696684737272726970757919222425272730303231323432353838383740454 3

4749444647494955534953565954565756576459616862676564727170707076757777
7977798081818185839490868988909292919795949798991001011031011051141061
0911810910911011011111511311911911911920263626282929373335394343425142
3640444146444952495663646353666260716083806772666675637472776971817973
7979818077848083948810095969497999897109106109109104100118121112109113
1211221041061141121211131171291221271401261291261271311221251251341311
3513213214613613513214414215213814315315413814915414714414715115716315
4157152213931293439344736423636524338534747534849494865535453535759596
1577268636967627468687266827482837475729378868587869293971029194901009
1971021001081041031001031001041061051091081111071121121121161161131241
2011711912113612612612414112913913113713512913513113214213313114914922
3035242839353632374436394251515369587551717348595167607675607764626565
6671647673678072718677768295948283818692921059585919092101919595919497
1001049810110810210711910811410810813511011210512911811911012311511312
4132125133123131128123130134126133137133135132145152232126273737333941
4242413938394345474547505546565352635759585761576162706367687067687776
7376787681827880787984838379106899191929110196939695989799991081021191
0810410410710410810711111011011011511111211811411712211711912412613124
2227273029383436334836413845454642514345485347495049515054525455565659
6262648195637068727573887874797683928383828592878696879694979892941059
8117111107107105108115106104115118111109113114133122120121127120120117
1341201321451301321281281301291361321291331411411401401431471511461451
5014514515415614816115615315415916515817016916416617316625293439354035
4238383942404441444449525346495650676155546463696561656566746666767175
7678837779887778788184798383908587888890909392959897969896100101109111
1021091101131141111161151141211131131311171211301231211201271231271381
3012912813113213514113813313314014313914014326334637379741414346415848
4553594761775848475667557264637059767463667672857973719780736977819183
8180808110191979390879888989810110098114981069710011011112312410510810
8111144272730313132393736373640424258434450545552594963735854826660606
0698164676370736768727173867676777578848683858285868786879391971009595
9894101991031101041011051091071121111091131101131181151131171151251171
1813812112212312512812712613013913413113613313613713713614614114214214
4146146150158148283452454740474043424363485153555450496353807260576066
7074706913373105711077480768597867310578100818683809093869410111788921
3210210716112511411029354650453943485043524446474753515864596565575756
5760646065656772667069707571718177847784867683868484838493919486969610
1989710010094101951031151021111051061081121091061143028323541424044424
0444144474648494854525258565459565760636361646465676969676970737974767
9797577779683888684848485878789889594102939695101999910210310310310610

610510910810911011111611511611611811712012111912012412612412412612912812913013013513713513513913713714613914214414614414615114815315115015515315215715515515641591591601601631621621671711681671751711701751731731821771761781801791811841841911901891861941901901941921922011952032021992001992012012052082062062092082082172132112182152162212222192252242222222232252242262322292312312342332332322352372392412392402422422482432472492472482482502532532532532582572723134323941424050494357495848525765365705957636168666161666565637272747079777682105808382998586878590848790858993989191981141091051101101061071031071051061051081101091121151081131131181221251211241201281321331271301351341313230344051454657495555495658528157546280675961786779658471847879857076788183957978788087859194931029010185889694989711010310710310698109105991011061101041131181211141101201331311341281241261361251301321291311353331414343464548584570465953595058736061685868657381677471816575778575718273838197898380839510095909295951009489979493104931011031051141081101011111141073432344146434747607153494752495457535663617165677571647585758270738170758182849192868689838693951068999909397108971069610797100353337374444555447486856615962757266656181736869627167797085778185959236344253605444494855565460616062596258637362676966687676677267374847426566685749645950587261616474658776717374737475737776807885918198931189385908278898586858893105145119110156981181031041031141121001071111041061111081091191121181231213852546948505657587257573663756966596972647682797568717374707497811018277839481938488941118993104988991100959597103396056605055545568616980757667615757875859607362717368848080738288818084899783981089596104109105403840424344495154575459625761665858666467646674656570707773787874798079858282829185848886929310791939397101991019899999999110102106104105112111113111117114119114115117118121124125125127131128127414041424449494954505460525455586056596363656667646667697171777473757582797979828182828384878691898992959397959798100981021021021051041071061091111101101111131131151151171181181191211211221221241261281281281291291301341331341341361371411401421421411671441451491481471491491501521541601561571571571581601611621631641661671681671691701711721731741751761761781781801821821831851871861881901891911931931931941951941971992052002012012032052072052062072112102112132122142152152152202192192232212234243465152515655615458555858596362666362646683769472958179767575817781888279808484908691969189909493939694969998989910010710911011010710811411110910911611611811911511812812412012212312212312412512613013413013043465175596781778172715956615973726870687991819676747777748773778680818690881138887981079694102102111981101001051061131061101101051091081131111101131101181111231291231181441201321291314442485757665674646165646767627171718

0736575917569718484801079681857989104988610087911039197105969599106100
1021061021021019810711910911111011312111411012511912613712011911911711
8120131126124131150128132127147138136142454347515263635658646668726378
8176726468738083737691787883869088778792878897911021079196101115104981
1610110112310511011310746444555566660716967677267938691767082708485889
4887980868387828780908386958991879692999310611410411011710610311512111
0474547525456555858626466667661676672707478727687817578757881828410093
8290908793919490929493101101971041041001121061071041041031091151121111
1411212311611911911712011711812912212212312412512912812713413213313413
8141142138139138484648555355575962586060626464656669717270707272747473
7576818182828481878593899189959490909392969998100100991021021041101081
0710649475354587063566765746771747371748676797283809290868982878588889
9899396899050485464796961677979807674726910680918174939280828885104839
1939692961019810851566768895557646164736981747410687708080948079777888
8881858789861009196949690115525465557172756361658396807076949292857486
8382839111310210390131536674696266738464886910093839082818577545463606
3646868636965696967737580757678767784798079868786789868890891101100 1
0110195989999103108555455565759606163646367676972717674727575767883818
5838388898987898989929495979698991021021031031051031031071091131161101
1011111311711611911856545658585960636465656669717273807478777992798383
8285858989898992919295959699969998101104105104107109110106575760606261
6263646768696970707174757775767879101818197899793991001168990939693969
8979899100101103103104105106107107114108110112114112117116116116118585
9636365646869707269707572747574787882807983808888858890878893939197969
5100979610110010310610310310610611110811011111111111311559575960616364
6667706871717274767576777779808182858485888794899091105939895989710299
1021011041041041061061051081081101121121181141201161161181201201201221
2012412412612712812813013113213513413713613960606161646465666970686971
7273747577798079818082848786888787888990939294949596989910210110210410
6107112106109111112113112114114116117117120123126124122125127124126128
1321321311341341341351371361371391401411421431431481471471491491521521
5415215215615661677069977075798083104809197918710187879611610310095931
1097123107108627783828881791121048785100939591838490939286881316371102
7675779010385999298878496859286958889989410110064110757611678858289901
2692111936573727376909984808483879083111667585737690867888938794678177
7789828790889094856882777682828689821008591878697879693876910897899784
1039787819211010270827998918895851208710310195717780888184808288948883
8889889694969310110210010110299991021071101091077273757676757686798183
8284858790879588949091979498979998103103103105110109108106108110111119
1121171191221221181211201271271231312573717376777881918284858787888898

7909593979494949410110599100101101101103108108108109110110111111113117
1171161181171191221201231231231257475767785787979828249084869088889919
0939495949899971001031031031101081071071091091111121161141171191201221
2375868079938382928387878692908894949394959510596107103108107108114768
6838483878988889495929599969296999810110010110611110710810511211377777
9818383878687919090899195999598971011717878787980818383868788899089919
3959395969897991001041041021051061051071621081101111121121181171161171
1712012212212312412412612812712813513213113214179808183858585858587908
9919494939796979899981001011021051051051061071091101101131121141161181
1811912280888886868989909195939593999699979998104103110106105109106109
1111131141171178180818283848687888990919292969596979899102102102103104
1061051111081121131141131131141161171171201211201231221261251251281271
3112913182818385848688878890919294949797961001021011021031021041081061
0611010911111311211211311411911912513012613483828384858688889090949496
9696981011011031021021021041041071091111121101121131141131151171191191
1912012212812412612612612913484838587888889919291939495969697981011021
0310310410610810810911011011011111211311511611911711812312112112412312
6858586878889909192939495969799999910110210410710510610811011110911311
4118868687888992959396959595979910010010210410611087869191929094969594
9698102103105104103107107106105106109109112112115113115120117120121120
1231211258888899092929996969710098981021031051031041051071081111101111
1111889898990929395981021041091101011021021031041061051091091101109089
9291969596989898102100101102103104104107919292939495961039710010010010
3106105106107107110109929393939597100101999910110310310410410510611111
0111112113113115116116118939193949610010199103103102104104107106115115
1111121121131161161211181191191201221211219495969699101100102102101102
1041061051101081101161111151139594969798991001011021041051051061111121
0996969799991011001011041031041091071091091111111111141171171159795981
0110210210310310410610710898999910010110310410410599989910110510411010
6107100102102102103106106106108108109112111113115117115115116120101103
1041061101071021111061041131191201141271031041041061061081111121131041
0310410510710811011111211611411610510310510811011011111211311211511410
6105107108110112110113115107105109115108109110111112113113115115116109
1131121121131131101091121131171111121131151131171161161121121131151131
1411511711811911911411611912011511711911811812111611711611912111711811
9121122123118119118119122124123”

You can also access this big number from the following link:

https://github.com/quran2019/Quran19/blob/master/5.14Evidence.txt

4.1.2.8 Even and Odd chapters Evidence at the Verse level

As per the rule, for each key coding pattern based evidences, which is also based on Al-Fatiha that is also the main part of the Main 19 System presented in this book, we also have to test the follow up even and odd pairing coding pattern over the same numbers with the key coding pattern of the predecessor evidence. This chapter provides the even and odd coding evidence as a compulsory follow up coding to the predecessor evidence, Evidence 4.1.2.7. We test the follow up even and odd coding pattern over the same text type, all the 6348 verses, of Quran similar to the predecessor Evidence 4.1.2.7 that also exists in the text type of all the 6348 verses.

As per the rule, we separate all the verses into two categories as even and odd verses. If a verse has an odd chapter index then it is categorized as odd and otherwise as even. We then sum the chapter index, verse index and also the number of words of each verse, which is the key coding pattern of the predecessor evidence, Evidence 4.1.2.7, and get the representation numbers of each of the 6348 verses. Then, we pair them from even to odd and concatenate all the paired numbers and finally get the big representation coding number to be tested. Let me also formulate the even and odd pairing coding pattern used in this evidence as follows. As mentioned before, it closely resembles to **the double helix** of the **DNA** structure, where one strand is even and the other strand is the odd numbers in our case:

[[Chapter 2 + Verses 1 of Chapter 2 + Total Words in Verse 1 of Chapter 2]
[Chapter 1 + Verses 1 of Chapter 1 + Total Words in Verse 1 of Chapter 1]]
[[Chapter 2 + Verses 2 of Chapter 2 + Total Words in Verse 2 of Chapter 2]
[Chapter 1 + Verses 2 of Chapter 1 + Total Words in Verse 2 of Chapter 1]] . . . . . .

I did not illustrate the tail of the coding as the even and odd verse numbers are not equal in length and thus not straight forward to formulate. The number of verses of even chapters is 3262 and the number of verses of odd chapters is 3086. Therefore, while pairing both vectors, naturally, the short one, which is the odd verses, starts over from the beginning part of itself and keeps pairing. As this is the most natural operation approach, it is also the default way of processing in the R programming language while pairing two unequal vectors to each other. Therefore, it does not require additional coding in R.

If we use the real numbers in the above coding pattern, it would be like this:

[[2 + 0 + 4] [1 + 1 + 4]] [[2 + 1 + 1] [1 + 2 + 4]] . . .

[6 6] [4 7] . . .

And, the final number after all the concatenation would look like this:

6647 119174118192

As we will see in the result of the following R code, this big number is multiple of 19. Here is the reproducible proof of the evidence of this chapter:

```
x<- unQuran # all the 6348 verses are used
#Get even and odd chapter verses
ev <- x[(x$chapter %% 2 ==0),]
cat("The number of even verses is",nrow(ev))

## The number of even verses is 3262

od <- x[(x$chapter %% 2 !=0),]
cat("The number of odd verses is",nrow(od))

## The number of odd verses is 3086

x<- ev
ev <- x$chapter+ x$verse+x$vwords
cat("The head of even chapters to be paired as sum: ",head(ev))

## The head of even chapters to be paired as sum:  6 4 11 13 18 15

cat("The tail of even chapters to be paired as sum: ",tail(ev))

## The tail of even chapters to be paired as sum:  119 118 119 122 124
123

cat("The number of verse of even chapters: ",length(ev))

## The number of verse of even chapters:  3262

x<- od
od <- x$chapter+ x$verse+x$vwords
cat("The head of odd chapters to be paired as sum:",head(od))

## The head of odd chapters to be paired as sum: 6 7 6 8 10 10

cat("The tail of odd chapters to be paired as sum:",tail(od))

## The tail of odd chapters to be paired as sum: 117 118 119 121 122
123

cat("The number of verse of odd chapters:",length(od))

## The number of verse of odd chapters: 3086
```

```r
tmp<-paste0(ev,od) #pairing of even and odd verses' sum
cat("The head of paired even and odd chapters",head(tmp))

## The head of paired even and odd chapters 66 47 116 138 1810 1510

cat("The tail of paired even and odd chapters",tail(tmp))

## The tail of paired even and odd chapters 119174 118192 119188
122178 124203 123187

# reverse of this numbers in tmpr
tmpr <- paste0(rev(tmp), collapse = '')
tmp <- paste0(tmp, collapse = '')
#Testing the big coding number with mod 19
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

#Testing the reverse of the big number with mod 19*19 !
as.bigz(tmpr) %% (19*19)

## Big Integer ('bigz') :
## [1] 0
```

As a **fact**, not only the big number itself but also the reverse of it too (as shown with *tmpr* in the above code) are multiple of 19 of this big coding number. Even more interestingly this reverse coding number is not only multiple of 19 but it is multiple of 19x19 (361), which makes this more interesting than a simple coding as a fact only. Since this reverse coding is not within the rules, I do not classify that as evidence in the 19 system of this book and do not include in the probability calculations. However, it may be part of another rule based system that I might not have yet seen or purely random. Therefore, I present it here for other investigators in case they might observe a rule that covers this or other similar interesting codes, which I present only as a fact but not as an evidences and thus the reverse big coding number is not within the current presented 19 System of this book.

We witnessed that the verse level pairing of sums between even and odd chapters of Quran considering all the 6348 verses isalso under Al-Fatiha based 19 system of Quran too. As per the rule, we do not need to test the same coding with the text type of the 6236 numbered verses as well. Therefore, we have one trials and one success in this evidence and add them into our counters below.

```r
evenodd_tested_nums <- evenodd_tested_nums + 1
evenodd_success_nums <- evenodd_success_nums + 1
```

Also, as a strong *fact*, the reverse of the 15867 digits length big number is not only multiple of 19 but also multiple of 19x19 (361).

Also, below is the 15867 digits length big number. One can just copy this big number and paste it into a web based big number calculator and test it herself.

“6647116138181015101917217215211224172425211934223256242629253629262840244745354147424530392661396748494943425036604648424643585449515658575450595748514656476144525652635675555656626160696469586254656762696256837372566597777280627975906512363888980727971796877778970938989808972979984848689113849684101858882918510592105108968594114114881011071361101011101179610011711792119100123116105101122107113991061001231031171071121181111101121201251081781091171091191251321141271221261181281211441181291401311211311221461261461201291221321231301361441251311501531301381321361271431371451431491521581501431441471351471371501361421401511431621461511391521431691481581461501391551401721471581501651611901541801531791471621511561671691501681581831581701741601721661701691691691611681651681591841731811951731811762321731791741962091741981681801921921811871851821781941741911921891882001782052031881871921852301922181851901901981931961922001892002012181922311982052182542132072062181942052142181992002112102132182112112112712012292042262152132062262162172112122412302062232072212222202322202142269223302296023369234402645324673239312434027624236222474024862262502514424144240392416424153236532704827741262452784926746299432614528456263492744724844256622697724972251522735425565263543025629258280643111142677328063263903078127877307682821042838730365328793018528773288972767330572294863037529985283922878228780293813021163058229395322972891042989429494298952961112981034138731710531497314106337100894341042210135113221092510547104309825110281052713986111104116351103112241123341514112146129581124111536121431328111670129871334413044163401385713547129471796312956139781336114172137561666015158134591485713660119696222582488218024721967206424752767286734763670338026812687309239943780438252833391578842974377397553916581578652935396549965110691005212961118541018196851096099701175811064111861057910862114711216713069127711567711377138691329810893128701147811393135821288716876127791308012483117851258813387132851278212610313094150103144921391151401061321051309114410013191132101147100147991441021469714299171130161117155113145117167138146109149104152112177116169114161120148121157113177114181116165126163131166118160126168120162130166124167120176121163125173124194125177123181131166126195133170134177135178131179130192130192132182132184149183139182137184149184155198151229158194147203160190151194153230164101532115422173211692115623156431662917227191241662917227189431

6728177441743019631169401743117462176392034119340207411974017463210431
8850186501974419055190641845119353189622166918752197622056619562186611
9559213591936319570216602017519567197691956320284214742038323174223872
2567209832058520678212962158822884212802148621780213982178122078216972
3387219121228116224861910325944490359740101331023997331113110929993310
3391114298341003510249110441125011252141451204014839129521186611457119
5311748149651216712562124631185612556119721256312681139771367612964139
9214165131741436513267140681347013473155731387314775152741448315974159
8514181143751707714383164871479114796157831478816090173871639117095167
9316611017810516410417210519094190129180961669419110116398183108199114
1931171769917711716911117611019811320110718411118211118311617712617712
4199121192133121222711927122171232313524134251323812823128281293613041
1274314034140281453513444157461373214251145401423714240153421585313746
1815314847153461495615154146561515915753151631535615652263226239632358
3582338549714171316634673272509242754171406843776779527941735576417540
8048754610145814882679159816310051100739557865488631035892641255994681
0060105771463167338774274427138813077327824793479347639814980408134736
4854489418357824688461005395739759937787469552866491569549995691689653
9853966191741026310169116641036810262122661056310264122641117510871119
6913565123811107212172119751247412385116811137111882118781198912089136
1131258213077120891268512610113392137103140881399313211513598141100139
1061339915396136981391041459514810014110813699150115171072910541101401
1344127431103912735108361162712737126591153411445115541293912474124721
2558127471234014147124541325114144141611305516591852205031713295335843
8526613567357438693572326038663570447332714819482248244125652743275830
5530603257314932533451326035753863386238563758407545754376476149844473
4672478049644968558053734975537256845992547656805780567557856476597961
8868826279678865926493721037110270107701107097769775887796779779927798
7912180113811068110481129851118310594113901098610989111881209012292111
9212591112971159511794118971139812899118100119101125103159101134105128
114121106126109128118125109133109137110150110141111461151811331119301
1933119371194021463932313529603457395434434743363842343637364752544347
3839536947804754535348514953495948546547535654665371535657635962596561
7757707266686363636969676662847473687268727272666982707475827983207426
7536722693287829862985378733863592399343974310242915194429036100409144
9741102461004410849104521034910056103631006410463106531056610962108601
1171107601128311280112671167211666113661247512063117741197212177136691
2671126811247914173129791397913181137801357712984135801318313294142881
3310013195149961499423972199269827973710937106331093910941104421004211
8411213911238109391134312145122471044510647114501125512146113561175312

952122631275714059126581295712661127571316112262125701256313467131681 3
570132671326814677136761357313276144781427615281138821437815380154781 3
879149841548314783144791471061518915791163911549215791152101229630933 5
962495289839973599369932108371024411936108391044210451107511045310869 1
075811175110511107111073115481115911251118671146011776122751176011977 1
246412662131652565296634713964357640733567428038723871398642774076448 2
419544944482498352815386469249925610550956785619155905492641016391699 5
659561916594659766100741046698661017610871102751077611978108831147710 8
791088813577110781127810581129841187911983110831239011585113871248813 2
881259013390123931319212895123981309713496126981339613710013310113510 9
132111145102152109241102211327114271113011629115381143412136113331134 8
131361174112138130451234512146120421275112343127451384813053129471284 9
131501324913551141501385413352133541405514356139561405914362276227643 0
813195316332703968377236753773368840784274427958764383449250835483558 2
528559924987638673965887549682946697609860926094691058198641176711163 1
077010773105671086811572106711047311586118761117610977113751147813384 1
228612083121851278212085120861178713486120871329314591130971321001289 5
128951309812994136101132991291031331101411041411011401051401091431071 4
711215111114610914511315011014511314511815411515611314811716111515612 5
153117154118159138165121158122170123169125164128166127173126166130261 3
933134461313713637133971364113741137431364614641141581424814245144531 4
659146471506115877148582948354746565067455539724364486350704359527644 7
446634766477653725185587964735971659765805773576956775781609164836081 6
580658067817210166917097699370907587719871888198779884101771008498861 1
476988310686978410084110831118412393124911059410886108961119614410128 9
834975210045100479440101479540103431154210243111631054810651108531125 5
109541065011449316334533280397241604257406050664970437457704969581334 8
735210557716210753746580707659855797638661736810566786110061816686658 3
658063907293728674947010179117778876928213210510280107831618212599114 8
511086308728853290358441874290408544894293409844914191449847114461094 8
105491104811054106521075210358107561055410659105561085711060109631126 3
115611086411364113651186712269125691216712469120701287313279133741277 6
130791357913475131773377319641834388438646844584488458854587708746895 9
885395599450102589373966095611016899589968102651037310381103671067410 6
711058110965108751097711085111751167111582116731168311881117971208912 1
831198012083124951261001249512490126921299512895129100130941308913597 1
379413593135104139931371011371031461051391141421081441101461011441111 4
611415110714835153331513715037155441534415255157541554715548164681595 6
159611605916062163751627216266167651716116881167731756817169170621757 1
173671737918270177851767717881180851799518192184371844819147190421896 5

186661946819057190491946419259192502015819572203612026119964200741996 5
201872017620571208732067420673209742087520873217772137621180218782158 5
216912218122298219932251182249322285222902238222578224892268523286229 8
523188231932341052331452331192321102351562379823911824110323910424010 3
242114242112248100243107247111249104247106248111248108250109253119253 1
122531182531232581212573927260325630603450405551544555466857614969558 0
557549765667586152578157578754586259806067735962617178736768798465808 4
807173848278887981858070847689789781838398951087995789678104801098710 5
854191409441934210244904910149854988549650945498609752110541035510758 1
036010656985910963105639965101661066711064104661136711869121711147111 0
771207413373131751347512882124791267913679125821308113282129821318313 5
843487328634914189468943924795479360977195539749984710052984910254102 5
710253105561046310761106711096511167110751107111164113751138511575115 8
211770118731188111970121751218112282122841249112692128861288612889129 8
312986130931349513310613489134991369013793141971401081429714210614196 1
671071449714510014936148341474214953149601505415244154491604815655157 5
615754157601586116060161621625916362164581666316773168621676716969170 6
617168172761737617467175721766717638178521785418069182481825018356185 5
718758186721885719057189731916619375193691936619459195691947219764199 7
620582200792017520168203712057320774205702067420797211812101012118221 3
772128321494215812159321584220882199421911122389221932231044398468951 9
175100599567958197771038140723871405942564361445949735172546857705468 5
979629157816196667658745877667764746787647366777486658065817086709077 8
873113788878877498791078096799485102821028211182989111085100841058810 6
861139210693110107110911059310993108971131011119911010111398110991189 9
111991239912911012310211810614410412010513211212911113111345111431174 7
114511195211463115631175611858121641246612568125721276313178128811277 6
427243644668517352805183567355766191547858785583588658905988637762876 6
926387628864976691831027610794917296951018111579104769875116751018110 1
771238110588110821137910780478445844790528654915696559158895890629464 9
366936696769461966799669872987099741007810772109761108711081107751087 8
114751117810981109821168411610011893119821159011890128871249312091122 9
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2165112159113173115195114181116232119179120196116174117168116192119181
1211851181781191741181921191881221781242031231 87”

Also, as a strong *fact*, here is the reverse of the 15867 digits length big number, which is not only multiple of 19 but also multiple of 19x19 (361):

“1231871242031221781191881181921191741181781211851191811161921171681161
7412019611917911623211418111519511317311215911216511716111316911217010
9172110174116158115158115150113167113151112147111153110154109161108150
1151471131401101391121461101481081431071391051461061431161401141361161
3711213511114411015010815210714310513710412710313210413012715011412 51”

2013611912311312210412010612611112210212112014011611811512111511811712
2115114113125111109112109109108108120108110106118106107106103103100102
9910210710210110011610510010492104117103961011101001109910799889811411
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2401425114532142461374415735134281453414043140411273613028129231283812
8251322413423135171232712227119121221921331991211771241771261831161821
1118411120110719811317611016911117711717699193117199114183108163981911
0116694180961901291909417210516410417810516611016793170951639117387160
9014788157831479614791164871438317077143751418115985159741448315274147
7513873155731347313470140681326714365131741416513992129641367613977126
8112563119721255611856124631256212167149651174811953114571186612952148
3912040141451125211250110441024910035983411142103399933109291113197331
0239101339740903594441032586191162241212288721997233782168122098217802
1386217802148421288228962157821285206832056720987225742238323174203842
1463202691956719775195602017021663195591935921361195621866619562205521
9769187622165318951193641845519044190501975018643188632104017441197402
0741193392036217631174401743116930196441742817743167271892917224166271
9129172431662315621156211692217321154101532301641941531901512031601941
4722915819815118415518414918213718313918414918213219213219213017913017
8131177135170134195133166126181131177123194125173124163125176121167120
1661241621301681201601261661181631311651261811161771141571131481211611
2016911417711615211214910414610916713814511715511316111717113014299146
9714410214799147100132101131911441001309113210514010613911514492150103
1309412610312782132851338712588117851248313080127791687612887135821139
3114781287010893132981386911377156771277113069121671147110862105791118
6110641175899701096096851018111854129611005211069996596549353865281579
1657553773997438842915783338252804394379239873081268026703376366734672
8752764246720721980248821582462229696011571365914858134601515616672137
6114178133561396312947179471295713540138441634413087133701298111643132
3612141115581124612941121341514112331122351101041168611127139281052511

0309847104251052210935113221013410489433710031410631497317105413872981
0329611129895294942989428910432297293953058230211629381287802878228392
2998530375294863057227673288972877330185328793036528387282104307682787
7307812639028063267733111142806429258302562635425565273542515224972269
7725662248442744726349284562614529943267462784926245277412704823653241
5324164240392414425144262502486224740236222762424340239312467326453234
4023369229602233022692202142202322212222232072302062122412172112262162
1320622621522920427120121121121821121021320021121819920521421819420720
6254213205218231198218192200201200189196192198193190190218185230192192
1851881872052032001781891881911921941741821781871851921811801921981682
0917417419617317917623217318118119518417316815916816516916116916916617
0160172170174183158168158169150156167162151179147180153190154165161158
1501721471551401501391581461691481521431511391621461511431421401501361
4713714713514314415815014915214514314313713612713813215313013115014412
5130136132123129122146120146126131122131121129140144118128121126118127
1221321141191251171091781091251081121201111101121181171071231031061001
1399122107105101123116119100117921001171179610111013611010110711488941
1496851051081059291858882101859684113848689848497998972898093898970777
7796879718072888912363906579758062772659772568373625662696567625469 58
6964616056625556567552635256614456475146574850595754565849515854464348
4260465036434249496748613939264530474235414745402426283629292524263256
3422211924252417211221521719171510181013811647 66”

One can just copy this big number and paste it into a web based big number calculator and test it herself.

4.1.2.9 Fatiha: Verses and Words Sum

For the al-Fatiha based key coding patterns, I will make an exception to rules and also consider general and special verse indexes with words or letters. I will include all the possible trials in the al-Fatiha counters below. Since I observed 7 key coding patterns that also exist on the full text of Quran, I decided to make this exception in al-Fatiha considering the “seven pairs” verse in Quran in verse 15:87. Therefore, I will consider this code as evidence.

In the previous chapters, we presented all the evidences considering the chapters, verses and words. We also considered chapters, verses, words and letters but there was no key coding over the chapter Al-Fatiha with them. I considered those numbers necessary to test the content information of the full text of Quran. Because of the rules describe in the beginning of the main chapter, we do not look at other combinations as these are the most

meaningful and necessary information to test the intactness of the full text of Quran and its structure along with its content together.

In this chapter I will present other similar interesting coding we observe both in Al-Fatiha and full text of Quran. But as just mentioned, since this is code based on only verse and words number, it is not within the boundary of the described rules and is not considered as an evidence but only as an interesting fact. When I first observed this coding I had considered it as an evidence but I decided to simplify the rules as much as possible and thus I now classify it as a fact currently. Researchers should feel free to investigate more on this and the following code if they like and might consider it as an evidence in the future if they deem so. The reason I later classified this code as a fact instead of evidence is to simplify the overall key coding pattern based Main 19 system of the full text of Quran and keep the strongest part as evidences. Because otherwise, those strong and clear evidences might be ignored and seemingly weaker evidences might be criticized and using them, the overall system might be unfairly attacked to falsify. In order to make sure the Main 19 System are evaluated over the main codes of the main 19 system, I thought it is better to keep only the strongest evidences within the system and therefore simplified the rules. After that, I classified the code of this chapter, Chapter 4.1.2.9, and the code of Chapter 4.1.2.10 as a *fact* rather than as an evidence as I had classified when I first discover and presented them in around 2020. Otherwise, these two codings are also observed both in the chapter Al-Fatiha and in the full text of Quran with the same key coding patterns and stand as quite strong codes. The only concern I had was using only verse and words information to represent the content of Quran might be open to critics and might also cause the system look more complex overall. Now, let me present the code and move on.

Just as before this coding fact gets its rule to obtain the number to be tested from chapter Al-Fatihah. In this code, we also test **decimal sum** operation and we **again** observe the 19 based coding in the full text of Quran. Basically, in this fact, we sum all the numbers. Let's first see the fact in chapter Al-Fatihah and then apply it to the full text of Quran again.

```
x<- nQuran
x<- x[x$chapter==1,]
tmp <- x$verse+x$vwords
tmp <- sum(as.numeric(tmp))

cat("The sum of the verse indices and their number of words in Al-
Fatiha is ", tmp, "  and it is also divisible by 19 and the result is
", tmp/19)

## The sum of the verse indices and their number of words in Al-Fatiha
is  57   and it is also divisible by 19 and the result is  3
```

Now we observed the rule and will apply it to whole Quran. Let's first see the illustration of the coding pattern.

> [Verses 1 + Total Words in Verse 1]+[Verses 2 + Total Words in Verse 2]+ . . . . . + [Verse 6 (last verse of Quran that is in Chapter 114) + Total Words in Verse 6]

If we use the real numbers in the above formula, it would be like this:

> [1 + 4] [2 + 4] . . . . . [6 + 3]

And, the final number after all the concatenation before the digit sum operation would look like this:

> 411464

The sum of all these numbers are multiple of 19 as reproducibly proved below:

```
x<- nQuran
tmp <- x$verse+x$vwords
tmp <- sum(as.numeric(tmp))
cat("The sum of the verse indices and their number of words in all
Quran is ",
    tmp, "  and it is also divisible by 19 and the result is ", tmp/
19)

## The sum of the verse indices and their number of words in all Quran
is  411464   and it is also divisible by 19 and the result is  21656

as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

We could consider the same for general verse indexes as general and special verse index are the same in al-Fatihah. So we could make 4 trials and have one success to add to the al-Fatihah counters.

```
alFatihah_tested_nums <- alFatihah_tested_nums + 4
alFatihah_success_nums <- alFatihah_success_nums +1
```

Fact of even and odd pattern follow up:

Basically, just like before, since the even and odd coding pattern is not relevant for the Code 4.1.2.9 to follow up and thus the even and odd counters are not increased here. Because, even if we construct the even and odd based coding pattern, the sum of them would be the

same as the one of Code 4.1.2.9 and just like before this test is irrelevant for this coding pattern.

4.1.2.10 Fatiha: Digit sum of Verses and Words

For the al-Fatiha based key coding patterns, I will make an exception to rules and also consider general and special verse indexes with words or letters. I will include all the possible trials in the al-Fatiha counters below. Since I observed 7 key coding patterns that also exist on the full text of Quran, I decided to make this exception in al-Fatiha considering the "seven pairs" verse in Quran in verse 15:87. Therefore, I will consider this code as evidence.

Just as before, this coding fact gets its rule to obtain the number to be tested from chapter Al-Fatihah. In the previous code of Chapter 4.1.2.9, we had observed 19 based coding between verse indices and number of its words using *sum* of all the numbers. However, it would still work in Al-Fatiha if we had used digit sum instead of the digit sum as the relevant numbers in the chapter Al-Fatihah are all single digit. Namely, both operations can be used in chapter Al-Fatihah and yield the same successful coding number. As per the rules of key coding pattern, sum operation has the priority and we if the key coding numbers are equal, we do not test for digit sum pattern as well. However, since this code is classified as a *fact* but not as an evidence of the system, I also tested with the digit sum operation as well over the full text of Quran and observed that it also exist in the full text of Quran too. We already observed success in the code of Chapter 4.1.2.9 with the decimal sum operation. In this code, we also test **digit sum** operation and we **again** observe the 19 based coding in the full text of Quran. Basically, in this fact, we compute digit sum of all the numbers.

In this chapter, I will present the coding based on the verse and word numbers. Similar to the rule, whatever the coding we observe in Al-Fatihah, we also test it on the full text of Quran too as we hypothesize that the coding in Al-Fatihah might be left as the clue for the full text. In this code, we observe the following 19 based coding in Al-Fatihah between verse indices and number of words.

Verse index of Al-Fatihah is 1 as it is the first chapter of Quran. The first verse of it has 4 words. We get the representation number of the first verse by concatenating verse 1 and number of words 4 as this: 14. We apply this to all the 7 verses of Al-Fatihah and concatenate them. We then obtain this big number: 14243243546379. The digit sum of this number is 57, which is 19x3.

Let's first see the fact in chapter Al-Fatihah and then apply it to the full text of Quran again. Let's run and test this coding of Al-Fatihah as follows:

```r
x<- nQuran
x<- x[x$chapter==1,]
tmp2 <- paste0(x$verse, x$vwords)
tmp <- paste0(tmp2, collapse = "")
print(tmp)

## [1] "14243243546379"

#Test if the mod 19 is 0
digitsum(tmp) %% 19

## [1] 0
```

As we observed, there is 19 based coding on the text of Al-Fatihah. Now the hypothesis is again, it might be available in the full text of Quran too. As I will show in the following, it exists in the full text of Quran too considering the text type of numbered 6236 verses.

Here is the head of the numbers table we will use. It contains the verse level natural numbers of the numbered verses of Quran.

```r
x<- nQuran
x$text <- NULL
x$VerseI <- NULL
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbered verses of Quran.')
```

Table 4.4: Table head of the numbered verses of Quran.

chapter	verse	vwords	vletters
1	1	4	19
1	2	4	18
1	3	2	12
1	4	3	12
1	5	4	19
1	6	3	19

We will concatenate all the verse indices of the 6236 numbered verses and number of words of each verse by following the rule we observed from Al-Fatihah. Here is the illustration of the coding pattern I just described:

DS[[Verses 1 | Total Words in Verse 1] [Verses 2 | Total Words in Verse 2] . . . . . .
[Verse 6 (last verse of Quran that is in Chapter 114) | Total Words in Verse 6]]

Recall that DS stands for the digit sum operation. If we use the real numbers in the above formula, it would be like this:

DS[[1 | 4] [2 | 4] . . . . . [6 | 3]]

And, the final number after all the concatenation before the digit sum operation would look like this:

DS[1424 . . . . . 63]

Then, as we see below the digit sum of resulting big coding number is multiple of 19 and thus it is one of the interesting coding fact but still is not considered as an evidence of Al-Fatiha based 19 system of the text of Quran regarding the described rules of this particular system. Here is the reproducible proof as follows.

```
x<- nQuran
tmp2 <- paste0(x$verse, x$vwords)
cat("The head of each verse and words as concatenated: ",head(tmp2))

## The head of each verse and words as concatenated:  14 24 32 43 54
63

cat("The tail of each verse and words as concatenated:",tail(tmp2))

## The tail of each verse and words as concatenated: 14 22 32 44 55 63

tmp <- paste0( tmp2, collapse = "")

# Test if remaining is 0
digitsum(tmp) %% 19

## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 22051

tmpd <- digitsum(tmp)
cat("the digit sum of the big number is ", tmpd,
    " and it is also multipl of 19*19 ! as follows:")

## the digit sum of the big number is  81947  and it is also multipl
of 19*19 ! as follows:
```

```
tmpd/(19*19)

## [1] 227
```

As we observed the digit sum of all the verse indices and their corresponding number of words is not only multiple of 19 but also multiple of 19x19! We observed a double of test 19 in one coding number. This is interesting because although, the digit sum of the big number has 5 digits and not too long but observing that it has multiple of 19 twice makes it more interesting.

We could consider the same for general verse indexes as general and special verse index are the same in al-Fatihah. So we could make 4 trials and have one success to add to the al-Fatihah counters.

```
alFatihah_tested_nums <- alFatihah_tested_nums + 4
alFatihah_success_nums <- alFatihah_success_nums +1
```

Also, below is the 22051 digits length big number. Recall that the digit sum of this number is multiple of 19 but not itself.

"1424324354637911273841258611712811910101211111271319141615716111717186191920252112222323202413253426392720281329193028311532123323341335193619371138173910401441184284374410458468471248194918501051125285375427551556757185820591860286160622463156413651266967206823691870177124721073117437751976237797811792480238113821083298415854986138728881089269027913092119327941795996259718981299101001010122102741031210413105251061910717108181093311017111181121711331114301151211614117111182411910120311211512212123181241912522126301271412817129161301813191321713327134151351513631137191381013914140301411514221143451443414532146141477148191491715031151171526153111541315512156101579158241592016011161131629163916443165311661216723168171691117022171181721517325174291751117614177511783817991801618113182161831518432185441861718765188171892719013191251926193151942219514196731973019826199122002420114202820325204172051420612207112081620912210172112021220213492143021522216252175721816219262202622139222272231622414225142261322772284022946230302314523233233642342523547236252373523882391524027241624272432824492451624654247432483024960250152512725292535225422255502562425724258432596726039261242622426311264392652726635267302681326916270152712027228273302741727545276112771927814279172801428115282129283322842828527286491127311418511613746815913101611141291329142415241611176181819262026211822112320241525152625272128272922302631143211331134735183624373538153920401741204213438442045214674723485494550195185220539546553156135711587591560761256215636643 26

5166620671468136913709711172177332748753676977277829792880138133827831
4842985138618879889891190149124921593249411951196109725981399201001510
1171021310334104141051410617107101081110911110231111111235113141141511
5911618117231183111928120211211112212123101241312515126171279128121291
6130131315132513311134131352313615137131386139914024141614213143121442
7145241462114719148101491315061511915240153251547515521156371571415871
5930160181612116213163816425165201669167331681616913170191711117215173
1717415175111762217712178171793618030181221829183281841218523186241872
1188201899190111912119211193201941419543196719771982119930200111292163
2841451663771981391510131171128813181413152216141720182419352017211122
1723542442255826142713288292430133112322733193440352236323715381839154
0154112421443494414459463847294820491450105120521153105418551156205720
5825592960306115621663166423651966276766836918707711172177319742175317
6207748783679188012812482138330842285228615871788228928903691329260931
6944095339689727981299101003110123102621032010422105151067107141082110
9191101311111112141133311426115201162011711118811921120712171222112320
1241612517126121274012829129221301113132132101331213414135381362913720
1386139141403314136142191431614418145111461814711148141491415022151815
2171533715419155221566157341588159141601416114162261632516414165151661
3167111681216911170241715417218173261741217515176501242533614315436627
1982791010711241245133214251524161817421830192920232115221823212417251
3261427242816291330931263240333434133514362437123813391440194168422643
1544414531462647164851493350105123522853155438551356115724581259216027
6116621363136447651266246725683169207019711972347325748752576167724781
7791080198115822683218416851486787188812894590169120921393249424955196
2097279899911100161012610291032110424105201065210726108221091511064111
1311222113151142211517116451172911811119241201111421431241151263171681
3991013111012251391424159169171718719372013211422122312241025322611271
7281629930193127321333143422352836103719382239174015411242114314442045
9462347144815498502851175225531554275565621572258145931602261176212631
7641065276696756823691270457139728732474147597615771878187912802581228
2118314842185786887988168917901691449222934994299517961297169813994410
0151011810216103910415105810613107131082510921110131112211223113121142
3115111161811711118101193012012121201222412315124291252812691271012836
1298130281311013291331813471351913631137201382613922140201413114216143
2314440145391462814713148371498150271514215235153171541715581561415735
1583715919160161611616291638164291652111213314410512667689911101111161
2171313145154167171518121917202521522282312241225726202731282229163016
3116322633293411351936113737384039144023411042154336442845104618471348
1449155020511952105338543255856155729581759216096111621163136414651666

1467116876927701771257213733574257523768771678679158013811182138378488
5388624871988228942901291692139316941395189618979989991010019101231029
1031610491051810611107610861099110711171124113111451151111611117111118
6119412031214122312319124812551261612721128161292213010131221321213313
1342313511136111372913824139101409141181422314341144151452014636147131
4822149181503915111152151531415415155411563015743158321598160431612016
2171632716419165181661116719168141694017010171191722617315174517513176
3017791781017930180141817182818351841118522186101873718828189291901219
1719271931219414195261969197101981219972001020112202720323204820516206
1111821736411511611723879111018112212231313146151216201721186192420122
1822102311242125132619271228102919301631173219331234213513362137183816
3916401041334235432044194513461347174836491850135195217531854175510561
2571058145986033611262126320649652766266720681069117025711372457313741
8752219214332422526618723816913101011131218132014111511162417181823192
4201621102282320243325232618271228282929302331233215331434293519363637
3138293916404341154223431344144514461547174816491550165114522253125422
5517561057115816591960226126621263166417651366166719681669327026712472
2473127446751276977157811792080258127828832584188516861887118814891390
1791269223931994309518961497169816992710025101221021710316104161051610
6121072410823109271101511137112161132011422115181161711727118311199120
5212118122221231712418125121261612721128141291515226329428523614715869
1510141118122713171410153916181714182919172016212222412326244325112616
2727281829103016312732113310341735293617372238163919401241154211431144
1045204615471248749225012511152135311542155165655715581059206019614262
1063464156510662567156825699701371347216731774227514761077117816796801
0811782783228413851086587168829891190279179214932494229510968978982199
1510014101141021510310104271059106161072410823109111102932548519616731
8229111013111012271318141615141616173918231911202421922723142411259261
1272928202923301031313214331034183512361737113819391040264111422043234
4194515462447194819491950185114521853165416557561857215814591260176128
6222632364186511661867868126915701871972137314741175576157713782779138
0118130821283884278515861187218836892390991199216932094189510966971098
9999100910124102121031610451051010691071510818109201101811110112121131
7114141157116261178118101191512017121912231231615263164165166257781591
4101611121281313149151716417191818191720921322292323241925232619271028
1329103018313232193317341035113627372638263910403241204218432544845114
6224714481549115022512952125315541455856175775895917601061662146317641
7652666246728683069167015715721273127467511763377247816791380378118821
1831884138512861387218822891090239199211931294129569620979989991410047
1012110214103610410105111067107141081710929110191112311522632442752562

0715815951014113512913191427151116451742182719152072113221923152472523
2616271928112983028315132133339341435193625371938213984013411642184315
1162143164195216267118139371033112912171316141015516717161822191420521
3422442317241525122613271828122943012312132253393415351336153726381839
1340941842134394426451446124711481049650651105213162737485769788997107
1181251371491581671751871911208211122122362472572682772812299304317329
3311345356366374384391040441542114344484554634710488496505514529537548
5575685755865966066156246376446514669674686694705716725733748755763775
7857958058158268338468514865877881589590491492393394695396897798699519
2183748586771489910101311161215131314211511164177181019620102172211231
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Here is the link to access the 22051 digits length big number: https://github.com/quran2019/Quran19/blob/master/5.16_Evidence_bignumber.txt

Fact with the Even and Odd chapters at the Verse level as digit sum:

As per the rule of Al-Fatiha based 19 system, we should test the same coding pattern of the code of Chapter 4.1.2.10 with the even and odd pairing coding as well as the previous one successful. However, the even and odd pairing coding is not applicable in this particular case. Since the code of Chapter 4.1.2.10 is based on the digit sum of all the numbers of the big number, even if we construct the even and odd based coding, the digit sum of this big coding number of the the even and odd based coding would be the exact same as we saw in Chapter 4.1.2.10. It means, we would again observe a successful coding but this would be the result of the mathematical property. Therefore, there is no point to calculate it again as the even and odd coding pattern does not bring any unique and independent information.

Basically, the even and odd pairing coding pattern is not relevant for the code of Chapter 4.1.2.10 to follow up and thus we do not need to test it for this code.

4.1.2.11 Overall probability of Al-Fatiha based 19 system in detail

Below I will calculate the probability of all the evidences so far of the main chapter **based on Al-Fatiha** and without letters information. They are bound by the rules described in Chapter 4.1.2. Recall, **all** of the evidences of this chapter suggest the 19 based coding design within the **full text** of Quran with respect to chapters, verses and words information. If we conclude that there is a design then it suggests that the design has not been changed since year 632 and thus our witness to this design supports the current knowledge among Muslims that the text of Quran is intact and unchanged. Now, we will measure how likely to

observe such a design by chance below. The overall probability of **Al-Fatiha based 19 system** presented in this main chapter, Chapter 4.1.2, is calculated in the following.

So far, out of total 16 trials, we have observed 5 validated evidences of Al-Fatiha based 19 system of the full text of Quran, regarding only Al-Fatiha based key coding patterns and without the letters information. As per the rules, we also have witnessed the compulsory follow up even and odd coding patterns as successor evidences after each of those predecessor evidence codes. Out of the total 3 trials of even and coding pairing successor trials, we have observed 3 validated evidences. So overall, we witnessed 19 trials and 8 validated evidences. These are **all** the possible key coding patterns we observed from Al-Fatiha with respect to the rules described in the beginning of the main chapter, Chapter 4.1.2, of Al-Fatiha based 19 system.

Let's now calculate the probability of **all** the key coding pattern based evidences from Al-Fatiha along with **all** the successor even and coding pairing based evidences that exist over the full text of Quran, *without letters information*, as below:

```
tmp <-binom.test( (alFatihah_success_nums+evenodd_success_nums),
                  (alFatihah_tested_nums+evenodd_tested_nums), p =
1/19,
                  alternative = c("greater"))
tmp1 <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of",
(alFatihah_success_nums+evenodd_success_nums),
            "successes out of",
(alFatihah_tested_nums+evenodd_tested_nums) ,
            "(with p=1/19) is:", tmp1))

## [1] "The probability of 8 successes out of 19 (with p=1/19) is:
2.63e-06"
```

So, the probability of key coding pattern based system from Al-Fatiha is calculated as **2.63e-06**. For some extremely skeptical people, I will double the number of trials and re-calculate the probability for them so that they can also be assured about the strength of the presented 19 System:

```
tmp <-binom.test( (alFatihah_success_nums+evenodd_success_nums),
                  2*(alFatihah_tested_nums+evenodd_tested_nums), p =
1/19,
                  alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of",
(alFatihah_success_nums+evenodd_success_nums),
```

```
            "successes out of",
2*(alFatihah_tested_nums+evenodd_tested_nums) ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 8 successes out of 38 (with p=1/19) is:
6.94e-04"
```

One thing to note that, inferring the rules from the observed codings is not that simple. The rules are based on my best educated judgement. I aimed to simplify the system so that rules are general an used in over all of the book when suitable. Therefore for examples I kept the universal rule of this book, all coding are always tested in both 6348 and 6236 verses text types, in the Al-Fatiha base 19 System. However, in the presented Al-Fatiha based 19 system, for each Al-Fatiha based key coding pattern, which is the predecessor coding, we observed the successor even and odd pairing coding pattern in the same text type. Namely, if the predecessor coding was observed in all the 6348 verses, then we also observed the successor follow up coding in the same 6348 verses based text type. It as true for the other text type too. If the predecessor coding was observed in the 6236 numbered verses, then we also observed the successor follow up coding in the same 6236 verses based text type. So, the rule *could* also be inferred that way and their probability could be calculated together. I will discuss below that scenario, which present the system from a different angle and demonstrates how strong it actually is.

In that case, since the coding pairs are dependent and we have to test them both, the probability of observing a single evidence pair based on an Al-Fatihah based coding pattern is p=(1/19)x(1/19)= 1/361. Here, **p** stands for the probability of each event to be successful by chance, namely probability of observing two dependent codings together being multiple of 19 by chance. It is because the probability of the first Al-Fatihah based coding over the full text of Quran being successful in the full text of Quran is 1/19 and then, as per the suggestion of the alternative case, we have to test the follow up even and odd pairing coding in the same text type and it has also probability of being successful as 1/19. Since they are tested together one after another in the same text type, the joint probability of observing these two coding events together, is p=(1/19)x(1/19)= 1/361. So, we consider a single statistical event with probability p=1/361 as testing the two dependent codings together in the same text type of the full text of Quran. In total we observed three double validated such evidences. Lets recall each of them and how many trials we had.

For the first double validated evidence we have the dependent evidences pair Evidence 4.1.2.3 and Evidence 4.1.2.4, which was successful in the text type of all the 6348 verses but not in the text type of numbered 6236 verses. So, we have two trials and one success with p=1/361 in this double validated evidence event. The second double validated evidence is the dependent evidences Evidence 4.1.2.5 and Evidence 4.1.2.6, which was successful in the text type of the numbered 6236 verses but not in the text type of all the 6348 verses. So, we

have two trials and one success with p=1/361 in this second double validated evidence event. The third double validated evidence is the dependent evidences, Evidence 4.1.2.7 and Evidence 4.1.2.8, which was successful in the text type of all the 6348 verses but not in the text type of numbered 6236 verses. So, we have two trials and one success with p=1/361 in this double validated evidence event.

So, in total we observed 3 successes and 6 trials with p=1/361. We can approximately calculate the probability of our observations so far in **Al-Fatiha based 19 system** with respect to the same text type condition considered as follows:

```
tmp <-binom.test(3,
                 6, p = 1/(19*19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", 3,
            "successes out of", 6 ,
            "(with p=1/361) is:", tmp))

## [1] "The probability of 3 successes out of 6 (with p=1/361) is:
4.22e-07"
```

As we see that, if we were to include the same text type rule in the follow up of key coding patterns in codings Al-Fatiha based 19 system, it means we would witnessed an event with the probability of occurring by chance alone as 4.22e-07.

Since we observe an intact and unchanged design over the full text of Quran, this system along with its miraculous evidences, supports the current accepted narrative of Muslims that the full text of Quran with its word content and current text structure is intact and unchanged since its completion by the year 632.

Now, for the very skeptical people, let's double the number of all trials but keep the total successes the same and see what would then be the overall probability. This should further calm down those skeptical people.

```
tmp <-binom.test(3,
                 6*2, p = 1/(19*19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", 3,
            "successes out of", 6*2 ,
            "(with p=1/(19*19)) is:", tmp))
```

```
## [1] "The probability of 3 successes out of 12 (with p=1/(19*19))
is: 4.59e-06"
```

As we observe that even if we had the double of the trials we currently have, what we observed so far still stands as statistically very significant, which still suggest the design of the codes we observed.

I think both ways make sense, but I decided to make rules as universal as possible an therefore kept the universal rule of applying all coding patterns always in both text types. An in that case we had calculated the probability of key coding pattern based system from Al-Fatiha is calculated as **2.63e-06**. It is statistically extremely significant, which suggest that what we just witnessed should be the result of a miraculous design. Of course, God know best and this is my conclusion based on the factual observation and the result of the statistical calculation.

Recall that **all** of the evidences of this chapter suggest that there is 19 based design within the **full text** of Quran. Since we witness a miraculous unchanged design, this suggest that the book, which itself claims to be of divine origin and will be protected, is intact and unchanged. Even, **if you do not read the rest of the book, these evidence should be sufficient to witness the 19 based coding system of the full text of Quran**. I have PhD in Error Control Coding in telecommunications and considering the rules and the entailing evidence codes of the Al-Fatiha based 19 System and the statistical calculations, my scientific conclusion is what we observe might best be explained by a super natural design considering the technology and history in the date of 632. Surely, only God knows the absolute truth and we can just conclude on what we observe. In order to find out more about this supernatural power, I suggest the readers to read the content of the book, Quran, for the answer, in which we will read that God has sent down Quran to all humankind and it is the final and ultimate message and the Author of the book promises that this message will always be protected. The 19 based evidences we observed so far, suggest that the full text of the book was indeed protected.

In order to observe the probabilities of different chapters separately, I will not add the Al-Fatihah and even-odd counters into the global counters for now. However, I will incorporate their probability into the calculation of *the over all*s probability of the book in the end or at to any point in the book.

So far, I presented the overall probability of all the evidences together of Al-Fatiha based 19 system of the full text of Quran, without letters information, which I presented in this main chapter, Chapter 4.1.2. In the sub-chapters of this chapter, I will also separately present the probabilities of Al-Fatiha based coding alone and also the even and odd pairing codings alone to make sure we measure them separately as well out of curiosity. Since we have two main dependent coding patterns within the Al-Fatiha based 19 system, I want to present

the probability of them separately too. It was not really needed but I wanted to see their individual group probabilities as well out of my curiosity.

Finally, I will add these special counters to the counters of all the key coding pattern based codes as below so that we can approximately calculate their overall probability too in the end of the main chapter.

```
# Counters for all the key coding patterns
key_codings_tested_nums <- alFatihah_tested_nums +
evenodd_tested_nums
key_codings_success_nums <- alFatihah_success_nums +
evenodd_success_nums
```

4.1.2.11.1 Probability of the evidences based on the Al-Fatiha codings only

Before calculating the probability of observing Al-Fatihah based evidences, without letters information and ignoring the even and odd codings, we need to make sure we counted all the possible codings we observed in Al-Fatihah regarding the rules described in the beginning of the main chapter. Based on the defined rules, we performed 16 trials and observed 5 different Al-Fatihah based evidences over chapters, verses and words.

Now, we can safely calculate the probability of observing the Al-Fatiha coding pattern evidences. So far I have presented many different evidences based on the coding patterns of the chapter Al-Fatihah. I have been counting the number of tests and number of successes out of these events to be able to calculate the overall probability of what we have been observing in this particular chapter. It is a good time to have a look at them by calculating the overall probability of **only** the Al-Fatihah based evidences so far as they are in a similar category regarding their structures. This means, we exclude the even and odd coding evidences. Here is the overall probability of the Al-Fatihah based evidences so far.

We have 16 trials and 5 successes with Al-Fatihah based coding patterns. Probability of all the Al-Fatihah based coding evidences so far in this book is as follows:

```
tmp <-binom.test(alFatihah_success_nums,
                 alFatihah_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", alFatihah_success_nums,
            "successes out of", alFatihah_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 5 successes out of 16 (with p=1/19) is:
1.08e-03"
```

4.1.2.11.2 Probability of the evidences based on the Even and Odd codings only

We have 3 trials and 3 successes with the even and odd coding pattern observed in Al-Fatiha based 19 system presented so far. Probability of all the even and odd pairing coding evidences so far in this book is as follows:

```
tmp <-binom.test(3,
                 3, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", evenodd_success_nums,
            "successes out of", evenodd_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 3 successes out of 3 (with p=1/19) is:
1.46e-04"
```

4.1.3 The Main 19 System evidence utilizing total number of chapters of the Full Text of Quran

In this chapter, I will present another type of the key coding pattern based coding evidence utilizing the total numbers of the text of Quran.

In the main chapter of all key coding pattern based system, Chapter 4, I had discussed the three different key places or sources to look for key coding patterns. One of them was the first chapter of Quran, Al-Fatiha and I already presented the system based on it without letters information. The second one was the first and the special verse Basmala. However it only has one key coding pattern without letters information and that coding pattern is the concatenation of chapter, verse and words information (chapter 1, verse 1, words 4 = 114) and I already tested this key coding pattern and showed successful evidence over the full text of Quran in Chapter 4.1.2.3 at the chapter level data. Because of Basmala, we could also test it over the verse level data too. Therefore, I add two more trials to count for those testings in the counter.

```
key_codings_tested_nums <- key_codings_tested_nums + 2
```

The third place to look for key coding patterns was the total numbers of each natural numbers of the text. Namely total number of chapter, verse, words and letters respectively. Since, we are still considering only the key coding patterns *without letters information*, the only key coding pattern from those total natural numbers of the text if the total numbers of chapters, 114. As per the define rules of the key codings in the beginning of this chapter, we accept it as the key coding pattern and have to test it over the full text of Quran in both text types, namely in all 6348 verses and in 6236 numbered verses. We also have to test it in

chapter level and verse level data. However, the chapter indexes are from 1 to 114 and by the general mathematical property, the sum of those indexes must be multiple of 19. Therefore, we do not text on chapter level data as is is obvious that they must be multiple of 19 already. So, the only mathematically independent test we can do is over the verse level data by summing the chapter indexes. As I will prove below, this key coding pattern, sum of chapters, also exist over the full text of Quran considering verse level data too in all the 6348 verses.

Therefore the evidence code of this chapter is based on the key coding pattern of the total number of chapters. Namely, when we add all the chapter indexes in the verse level data of the full text of Quran considering all the 6348 verses, we obtain the coding number *215574*, which is multiple of 19. Below is the proof for this evidence:

```
tmp <- sum(unQuran$chapter)

# Test if mod 19 is 0.
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

print(paste("The sum of chapter indexes is ",tmp))

## [1] "The sum of chapter indexes is  215574"
```

As per the rule we also have to test the same key coding pattern in the numbers 6236 verses and therefore we have two trials and one success with this key coding pattern. Let's add them in the counter for key coding patterns

```
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  2
key_codings_success_nums <- key_codings_success_nums + 1
```

Also hold the key coding counters without letters separately in these counters:

```
# Counters for all the key coding patterns without letters information
key_codings_tested_nums_NoLetter <- key_codings_tested_nums
key_codings_success_nums_NoLetter <- key_codings_success_nums
```

4.1.4 Overall probability of all the key coding based evidences without letters information

Considering all the presented and considered key coding based evidences, we have 23 trials and 9 successes so far. Probability of observing them by chance alone can be approximated as follows:

```
tmp <-binom.test(key_codings_success_nums,
                 key_codings_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", key_codings_success_nums,
            "successes out of", key_codings_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 9 successes out of 23 (with p=1/19) is:
1.29e-06"
```

To see a more conservative probability, I will again double the total number of trials and keep the successes the same and see the overall probability in such a case:

```
tmp <-binom.test(key_codings_success_nums,
                 2*key_codings_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", key_codings_success_nums,
            "successes out of", 2*key_codings_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 9 successes out of 46 (with p=1/19) is:
5.77e-04"
```

4.2 Key coding pattern based 19 System with Letters information

In Chapter 4.1, the first sub-chapter of the main chapter, Chapter 4, I presented all the codes of the key coding pattern based 19 System *without letters information*. In that chapter, I did not include any coding with letters information. I made this separation to make sure the system presented in Chapter 4.1 is universal and applicable to the writing of the text of Quran with respect to the most of the Hafs manuscripts. As I mentioned before, writing the same words might be slightly different in some rare cases, similar to *color* and *colour* in English. Therefore, the codes with letters information in it should have been separated to make sure any textual criticism or doubt do not cause an unfair judgement on the presented key coding pattern based 19 System. As a result, I will present all the key coding pattern based 19 System **with letters information** in it under this main sub-chapter, Chapter 4.2. All the rules are the same as described in Chapter 4. However, I will present here the codes with the remaining possible combinations of the natural numbers of the text, which are as follows:

- General verse index, chapters, words, letters

- General verse index, words, letters
- General verse index, letters

4.2.1 Fatiha: Digit sum of General verse index and letters per word

The key coding pattern observed in Al-Fatiha with letters information is as follows. The digit sum of the number of letters per words along with their verse order is multiple of 19. This key coding pattern also exist in the full text of Quran considering the 6348 verses. Morevoer, this evidence code is not only multiple of 19 by multiple of 19x19 (361).

Let's first see the proof in al-Fatiha as below:

```
x<- nQuran # 6348 verses
#Get number of letters per word:
tmpwr <- c()
for(j in 1:nrow(x)){
  word<-unlist(str_split(x$text[j]," "))
  tmpwr <- c(tmpwr,paste0( rev(sapply(word, nchar) ), collapse = "") )
}
#
i<-1:7 # first 7 al-Fatiha verses
tmp <- paste0(x$VerseI[i],tmpwr[i])
print("General verse index and number of letters per word per verse:")

## [1] "General verse index and number of letters per word per verse:"

print(tmp)

## [1] "16643"      "28235"      "366"        "4534"       "56544"
## [6] "6865"       "7735735554"

print("The digit sum of General verse index and number of letters per
word per verse:")

## [1] "The digit sum of General verse index and number of letters per
word per verse:"

tmp <- digitsum(tmp)
print(tmp )

## [1] 171

print("Test mod 19:")

## [1] "Test mod 19:"
```

```
tmp %% 19

## [1] 0
```

Now, as per the rule we have to test this key coding pattern in the full text of Quran too by pairing the number of letters per verse of the two text types to each other. As proved below, we also witness this key coding pattern in the full text of Quran too. Before that, let me also illustrate this pairing coding pattern used in this evidence as follows. As mentioned before, it closely resembles to **the double helix** of the **DNA** structure, where one strand is the number of letters of each of the 6348 verses and the corresponding strand is the number of letters of each of the 6236 numbered verses as illustrated in the following:

> DS[[(For verse 6348) General verse index | Number of letters per words in the verse] [(For verse 6347) General verse index | Number of letters per words in the verse] . . . . . [(For verse 2) General verse index | Number of letters per words in the verse] [(For verse 1) General verse index | Number of letters per words in the verse]]

Here "DS" for digit sum operation.

If we use the real numbers in the above coding pattern, it would be like this:

> DS[[1 | 6643] [2 | 8235]. . . . . [6348 | 652] [6347 | 54254]]]
>
> DS[[16643] [28235] . . . [6348652] [634754254]]
>
> DS[1664328235 . . . 6348652634754254]

And, the final number after all the concatenation would look like this:

> 433922
>
> 433922 / 19x19 = 1202

Below is the code to verify the coding pattern.

```
x<- unQuran # 6348 verses
#Get number of letters per word:
tmpwr <- c()
for(j in 1:nrow(x)){
  word<-unlist(str_split(x$text[j]," "))
  tmpwr <- c(tmpwr,paste0( rev(sapply(word, nchar) ), collapse = "") )
}
#
i<-1:nrow(x) ## all general verse indexes
tmp <- paste0(x$VerseI[i],tmpwr[i])
```

```
tmp<- paste0(tmp, collapse = "")
tmp <- digitsum(tmp)
print("The final digit sum code number:")

## [1] "The final digit sum code number:"

print(tmp )

## [1] 433922

print("Test mod 19x19:")

## [1] "Test mod 19x19:"

tmp %% 19^2

## [1] 0
```

As we witnessed this key coding pattern also exist in the full text of Quran in 6348 verses. Let's add this into the counters of the key coding pattern based evidences so that we can approximately calculate the overall probability of the presented system. There are 4 trials as we could also try with special verse indexes.

```
# İki deneme, bir başarı
alFatihah_tested_nums <- alFatihah_tested_nums + 4
alFatihah_success_nums <- alFatihah_success_nums + 1
```

Also, below is the 6 digits length code number of the presented evidence code.

"4.33922^{5}"

4.2.2 Fatiha: Letters pairing evidence

The only key coding pattern observed in Al-Fatiha with letters information is by pairing the letters information of two text types of Quran. Since Al-Fatiha is identical in both text types, which are all the 6348 verses and all the numbered 6236 verses, as per the rule we will have to test in both directions while pairing the two text types with letters in the full text of Quran.

Let's first see the number of letters per verse in the first chapter Al-Fatiha as follows:

```
x<- nQuran$vletters[nQuran$chapter==1]
print('The number of letters per verse in the first chapter Al-
Fatiha:')
```

```
## [1] "The number of letters per verse in the first chapter Al-
Fatiha:"

print(x)

## [1] 19 18 12 12 19 19 44
```

Now, when we apply the pairing coding pattern, we observe the key coding pattern of Al-Fatiha, which is multiple of 19 as shown below.

```
tmp <- paste0(x,x, collapse = "")
print(paste("The code from pairing letters is ",tmp))

## [1] "The code from pairing letters is
1919181812121212191919194444"

# Test if mod 19 is 0.
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

Now, as per the rule we have to test this key coding pattern in the full text of Quran too by pairing the number of letters per verse of the two text types to each other. As proved below, we also witness this key coding pattern in the full text of Quran too. Before that, let me also illustrate this pairing coding pattern used in this evidence as follows. As mentioned before, it closely resembles to **the double helix** of the **DNA** structure, where one strand is the number of letters of each of the 6348 verses and the corresponding strand is the number of letters of each of the 6236 numbered verses as illustrated in the following:

> [Number of Letters of Verse 1 (of 6348 verses)] [Number of Letters of Verse 1 (of the 6236 numbered verses)] [Number of Letters of Verse 2 (of 6348 verses)] [Number of Letters of Verse 2 (of the 6236 numbered verses)] . . . . . [Number of Letters of Verse 6236 (of 6348 verses)] [Number of Letters of Verse 6236 (of the 6236 numbered verses)] [Number of Letters of Verse 6237 (of 6348 verses)] [Number of Letters of Verse 1 (of the 6236 numbered verses)] . . . . . [Number of Letters of Verse 6348 (of 6348 verses)] [Number of Letters of Verse 112 (of the 6236 numbered verses)]

The number of all verses is 6348 and it is 112 more than the numbered verses text type. Therefore, while pairing both vectors one-to-one, naturally, the shorter one starts over from the beginning part of itself and keeps pairing. As this is the most natural operation approach, it is also the default way of processing in the R programming language while

pairing two unequal vectors to each other. Therefore, it does not require additional coding in R.

If we use the real numbers in the above coding pattern, it would be like this:

[[19] [19]] [[18] [18]] . . . . . [[20] [13]] [[18] [19]] . . . . . [[13] [98]]
[1919] [1818] . . . [2013] [1819] . . . [1398]

And, the final number after all the concatenation would look like this:

19191818 . . . 20131819 . . . 1398

Below is the code to verify the coding pattern.

```
tmp <- paste0(unQuran$vletters, nQuran$vletters)

print("The paired numbers from 6235 to 6238:")

## [1] "The paired numbers from 6235 to 6238:"

tmp[6235:6238]

## [1] "1920" "2013" "1819" "1618"

print("The paired numbers from 6347 to 6348:")

## [1] "The paired numbers from 6347 to 6348:"

tmp[6347:6348]

## [1] "2065" "1398"

tmp <- paste0(tmp, collapse = "")

print("Test if mod 19 is 0.")

## [1] "Test if mod 19 is 0."

as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

print(paste("The number of digits in this code is ",nchar(tmp)) )

## [1] "The number of digits in this code is  26634"
```

As we witnessed the pairing key coding pattern also exist in the full text of quran when paired from 6348 verses to 6236 verses in the order of pairing. Since the predecessor key coding pattern is also suitable to consider pairing from 6236 towards 6348, we have two trials and one success in this evidence based on the key coding pattern with letters information. Let's add this into the counters of the key coding pattern based evidences so that we can approximately calculate the overall probability of the presented system.

```
# İki deneme, bir başarı
alFatihah_tested_nums <- alFatihah_tested_nums + 2
alFatihah_success_nums <- alFatihah_success_nums + 1
```

As per the rule, we cannot test even and odd coding follow up coding with any pairing type coding pattern. As a side not, the code I will presented has the similar approach of Evidence 4.2.11.2, but with only letters information at the verse level numbers.

Also, below is the 26634 digits length big number of the presented evidence code.

"191918181212121219191919444419332727474752523333474753534747494951514
343292977777373343457577272191986861021025353999978786666145145155155 8
282606070701111117070484810110163638080868643436868515169697979424241 4
155554747383858586969848450505353303037371211216060303090909595777711 8
118257257108108707054545454454583838080717162629797454557571411417777 1
011013636454510210291915454525215015071712312316363138138464610810810 7
107119119515113113167674444102102727255554444444489893083084949656598 9
861615959737312312376767272585814114111311352525656474710310346461121 1
270705858676783831151151221226565767681817474333370701141145454636313 5
135797937376363127127545489891961961461461301307373272775756666138138 8
787323253535050666645454242898991915757646437373535187187123123575796 9
668685050898966666262939312212261615858266266163163393977775454555561 6
112312318518577772862868787120120595913013024246565107107666629029012 1
121110110494997975757353510310365655959525249496767494972727474939321 4
214127127104104939324724772721231231181181821821221228181666665655454 2
929177177193193114114203203147147288288122122200200111111401404444656
511611634343131106106383869692172171651651141142402407777122122414120 8
208878718918910210211811816916924924914814897979292444417417412312314 8
148125125686865655757898911211213413479791861864545878754547272525254 5
455155113813810310311811819619631924353247453377450371975054197475466 4
768664368116431251161071255010754507254107721221078812250888150658153 6
592538692113867911396796296476248472748662710966138109521389252639280 6
360803760813791813391793335791873580187348086344686304613230601325960 3
259473225471142554114285412928701297570617566615466395452397952115793 4

115144343614411636120116120120671201466729146622912662521268352478337 4
743376243916256919956449947444247994250997750697774695474157547015765 7
081654381494344491134448113152485915284594084774098771259812712588127 4
988574947576047696068694368454361456261276229275529715510471701045470 2
954412910541331056033516010751991078899878850876450266484261668410616 6
291106892911578953157285312128751216875536832531073273107477315147741 5
154747854477869477769647754648754538774531467412214695122379512037551 2
099551089999108869938865738100574510095455895188582918830298530121855 7
121125578219115125588279115186589179701867191637027171299637927155299 1
077970559010710670157908310649157638326549185632642656118560264346199 6
053345699108538856192108928815819278928515868785585436861552054364614 4
205177641214469177541214069945443403794804338379580100381029513210012 5
102651327312565651057377651071052777211079227282149926328754993631397 5
989320413914398732044914310173564913510187567713557876177885712861168 8
816212823516870162170235172703717012817264374012812264964028112210696 9
428167106309454678230795450824679545013546975481135679743813667109433 5
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1114171320111015201019181518111617172215311431142818201628214018351843
1821142699381522172465234716512941235436732712916142915141941203215231
8352132132219161641152915162638132419291543142218151229321913361135172
0202110292020193515181126172619182217311931212862092810401035174318212
3261738342217242523201619292423203619272116192917141841193223231935313
2192212162741192935161938182419297843192234151929311919362735192040211
9292620213519181926192610181917161919211919196419191037101917201819232
3171934141719258201919172419201919192113191917181819192223191926311919
2712142715191035141913181419167827192734171913311219122714191240191920
2623212119161916197101919181625191719251910419198379191120171910231619

1414101912812191317251911191019131321192518471915221919242625191727171
9191415151610211414132514321635273227151725132912101212142212331928202
1233021281617161972019121811251717172522102291981692811201720101916181
4221020122612101310251611171039134321402513447371552197424692569171531
7431910915132169921641411825553257351053218015108256929581056121382274
3319128942185307328103179019115208112641116317167171052282221391992161
1528732040204319641873227220372634102211043161851760195139604390401661
3498371345210674129697369451539443471096813250997264511184855845751105
8718078108220696858625622113856747319163949185101192587394103173908011
5438134643216346167101105129826813954926011547737240754341641647352729
2373734392211051971434518579608851726088908216651984413410410666129707
3904590947547856844505972475149486284535182876978511912222059685862592
2137568773396379915010129258173941321737380118195443146349032644632101
7212915368965457604947114729275824110716451191945262921213797397910533
7153456579428868723488321953826351394431104386638702790599040754885304
4621954594247474955623153308234695251581224959405816591937188715391379
1350392914191717316132137317118135415146339015645032107227153139613192
7571949261141792238212107285126194246223121399739792619233314531865174
2476816343832385352634439183127382138422740592540624819306628541642204
7235527316830163434522858304929402319301617192518431526134213203914141
0171116401344171413181514331315950121031272313201320271719182616171123
1512262824261724232316391739212617232114201813171747161617381538475214
4414181027192117421640402512621619221910610815169201723152717681016223
4222814302129242318302117422530432826234224201714241021112840224435143
1184214401344951122231252365202620211779181616281127152126442420171423
3116311723212517212120204913151753193516541737154147711449143510331928
1737164640331241165122441037103915529491727153917391031224122261424214
0246418452136422730442852231224151718242421212830222135263136423240354
4191922514022512531653526262131793291612287278211044112013141031163116
2318251621172010491315125321351154103710411171519949133519331628937134
6123310411251250449371239135214491027243917391431144110261224184016641
8451736142722442152151910123115191811241021443017212026243623322335181
9122294015512431835182626312132914192012177208141017111213141012161516
1718171691712101713171212211211171011101311215189171326192716409491332
1235103512332503593712401329143610232444173414371423103012191847162918
5917301427223321211529104031471931114110424413191317132013241323102315
1814121491415132410891818261621141415201717162018141717111218141612171
5121738171692412211720171812121216171411181316212618181716262027151929
4019491632263516352433163518371040132916361023124417341337142316301619
1747202916592530162711331921262922402147163111411642241914139132113181

3181323101415121412141014241318104795818321669141315131713161318131714
1113181416121727121638191616241421142025181812161617141618816102691817
1626201915252914192016172620161324171620182019171091316161710321216172
5131414131619163617820121616251816111110191426142272111161211101610241
1149982117181118152312141312131215102124161815471458103212691019101317
1314131713913121424131414121219271016191912161614141414251418141614171
6161081310149141714261419132511141320131715201913101715201920181718910
1618171832321615251714141315191836281918817121716151811111410161416141
5716111812191034101111309248221781123152212141391316152021221633153014
2610171225102410151791413171691612222416143212131919103619191931122716
2014301416142414141414161210161314143714211419141913231113131013181513
1918101315121913181518141026181818173215194115161713141115151814281318
2717401740156511651413161416151513161118161910341919171112301024142216
8112319221814129221615201422173315301426101711251424915239151311161216
1522131613323113121916361119143119271920123014162024151919141514171214
1610141337132119191819142311131010151812131318121312121213251517141726
1618151714151341221913161513611815121412131627184012402365266515131714
1715181314114916401019192317201217102019191443162111201915182012212213
1510141517151511142010201117141591423121914151411161261519131213153145
1217163211131412191419151215141520141512192015131913171514131030133913
1319131814141811111015151112131316121112131221251217191716161715121414
1317222113211591966128151220121816161813121523172617151617131713181214
1249144013191323122014179201519264318214220171521201821151314101319181
5171511111420132010171815121415121714261415161061219201221151945201737
3218135619231211144515781566154214831220201813161316151313323022392113
1319131313141118111118151511171325161411191372191217192616241717121414
1617921132189131914612121415202011181816211361515175217141616191513171
3161214121814141310132512191920141891515102623181842261719211719201811
1520141313141816171211151416131410191817121915141719263115301015121920
1519172115191120937121815191456923151120451578146684288317192020131819
1618161213123219221921441931327134713521133114718531547174925511443192
9197777393417572672241917861410216539991378866191451315514821260147020
1111170184821101196368015865243196814511669157917421641145518471438105
8196925841950205318301537191211060233018902695197719118172572010811702
0541354144519831680127115621997164514571914117771910114361945191023191
3054195215150197115231176315138194611108910712119155119131146794415102
2072155519441444889830817492065139 8”

4.2.2.0.1 Fatiha: All 7 Probability of the evidences

My English translation of the verse 15:87:

> Surely, We have given you the seven pairs with the great Quran." (Quran 15:87, B.Saglam, kuranmeali.com)

In this book, so far, we observed 7 codes that existed in al-Fatiha as key coding pattern and also existed in the full text of Quran. These 7 pairs of al-Fatiha based codes reminded me the verse 15:87 and thus, I made an exception in the codes of chapters 4.1.2.9, 4.1.2.10, 4.2.1 and 4.2.2. I defined as evidences as my general rules might be too strict and might be missing all the key coding pattern based evidences, which are 7 currently and seem to match to the "seven pair" mentioned in verse 15:87. There is a potential the 19 System of the code pairs of al-Fatiha might have been mentioned in that verse. None of these additional 4 code is suitable for even odd trials. Because, by the mathematical property, their even odd code version have to be multiple of 19.

The interesting thing is, all the al-Fatiha based key coding patterns exist over the full text of Quran. Here one thing is important to mention that there are cases like equivalent code patterns because the general verse index is the same as special verse index in al-Fatiha. So far, I included all the possible such equivalent trial cases to the counters of al-Fatiha. However, I will also include 8 more trials to make sure there are additional trials added in case I missed any. This is to make sure we measure a safer probability of the 19 system observed based on al-Fatiha.

The primary three codes of al-Fatiha, which are used as key coding pattern and withing the general rules of this book, are presented in chapters 4.1.2.3, 4.1.2.5 and 4.1.2.7. I already measured the probability of the 19 system with them along with their even odd codes in the chapter without letters information before.

Before calculating the probability of observing Al-Fatihah based evidences and ignoring the even and odd codings, we need to make sure we counted all the possible codings we observed in Al-Fatihah regarding the rules described in the beginning of the main chapter. So far, we performed 22 trials and observed 7 different Al-Fatihah based evidences over chapters, verses and words.

Now, we can safely calculate the probability of observing all the Al-Fatiha sourced key coding pattern based evidences. So far I have presented many different evidences based on the coding patterns of the chapter Al-Fatihah. I have been counting the number of tests and number of successes out of these events to be able to calculate the overall probability of what we have been observing in this particular chapter. It is a good time to have a look at them by calculating the overall approximate probability of **only** the Al-Fatihah based evidences. First, we exclude the even and odd coding evidences of al-Fatiha. Here is the overall probability of the Al-Fatihah based evidences so far.

We have 22 trials and 7 successes with Al-Fatihah based coding patterns. Probability of all the Al-Fatihah based coding evidences so far in this book is as follows:

```
tmp <-binom.test(alFatihah_success_nums,
                 alFatihah_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", alFatihah_success_nums,
            "successes out of", alFatihah_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 7 successes out of 22 (with p=1/19) is:
9.44e-05"

print(paste("Namely, the probability is 1 in ",round(1/
as.numeric(tmp)) ) )

## [1] "Namely, the probability is 1 in  10593"
```

If we add the additional 8 trials to measure potentially missed trials, we get a more conservative probability as follows:

```
tmp <-binom.test(alFatihah_success_nums,
                 alFatihah_tested_nums+8, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", alFatihah_success_nums,
            "successes out of", alFatihah_tested_nums+8 ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 7 successes out of 30 (with p=1/19) is:
7.78e-04"

print(paste("Namely, the conservative probability is 1 in ",round(1/
as.numeric(tmp)) ) )

## [1] "Namely, the conservative probability is 1 in  1285"
```

Even Odd codes included:

Now, lets include the even odd coding and calculate the above two different probabilities again to consider the even odd coding events of al-Fatiha too.

```
tmp <-binom.test(alFatihah_success_nums,
                 alFatihah_tested_nums, p = (1/19),
```

```
                  alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of",
alFatihah_success_nums+evenodd_success_nums,
            "successes out of",
alFatihah_tested_nums+evenodd_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 10 successes out of 25 (with p=1/19) is:
9.44e-05"

print(paste("Namely, the probability is 1 in ",round(1/
as.numeric(tmp)) ) )

## [1] "Namely, the probability is 1 in  10593"
```

If we add the additional 8 trials to measure potentially missed trials, we get a more conservative probability with even odd codes as follows:

```
tmp <-binom.test(alFatihah_success_nums,
                  alFatihah_tested_nums+8, p = (1/19),
                  alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of",
alFatihah_success_nums+evenodd_success_nums,
            "successes out of",
alFatihah_tested_nums+evenodd_tested_nums+8 ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 10 successes out of 33 (with p=1/19) is:
7.78e-04"

print(paste("Namely, the conservative probability is 1 in ",round(1/
as.numeric(tmp)) ) )

## [1] "Namely, the conservative probability is 1 in  1285"
```

Update the key coding counters:

Finally, I will add these special counters to the counters of all the key coding pattern based codes as below so that we can approximately calculate their overall probability too in the end of the main chapter.

```
# Counters for all the key coding patterns
key_codings_tested_nums <- alFatihah_tested_nums +
```

```
evenodd_tested_nums +4
key_codings_success_nums <- alFatihah_success_nums +
evenodd_success_nums +1
```

4.2.3 Letters paired with digit sum at verse level

Key coding pattern: The two codings we will observe in this sub-section shares the same coding pattern of this simple coding that is considered as a **Key coding pattern**: If we take the digit sum the number of all the letters (which is 332837) of 6348 verses we get 26. Similarly, if we take the digit sum the number of all the letters (which is 330709) of the 6236 numbered verses we get 22. Then if we pair them we get 2622, which is multiple of 19. Basically what we observed is that the pairing coding pattern with digit sum at the *top data level* has that 19 based coding. Considering this as key coding pattern, and testing over the full text of Quran, the same coding pattern exist at the verse level data too as I present in the below codes. As an additional fact, the resulting big coding number is multiple of 19 itself but the reverse of it also multiple of 19 as will be presented below.

The evidence code I will present has the same pairing approach as we observed in Code 4.2.2. But now, we will see that if we pair digit sum of the number of letters for each verse instead of pairing them directly, we have another big representation number and it is also multiple of 19. Even more interestingly, this big number is multiple of 19 considering both sides. Namely, if we concatenate the paired numbers in natural order just as we did in Code 4.2.2 or if we concatenate the paired numbers in the reverse order from right to left, then in both cases the resulting big numbers are multiple of 19 as shown below. However, the second code that is the reverse version in pairing codes is against the rules of this book and I just present as an interesting fact but nor as an evidence.

Let me also illustrate this pairing coding pattern used in this evidence as follows. As mentioned before, it closely resembles to **the double helix** of the **DNA** structure, where one strand is the digit sum of the number of letters of each of the 6236 numbered verses and the corresponding strand is the digit sum of the number of letters of each of all the 6348 verses as illustrated in the following:

> DS[Number of Letters of Verse 1 (of 6236 verses)] DS[Number of Letters of Verse 1 (of the 6348 numbered verses)] DS[Number of Letters of Verse 2 (of 6236 verses)] DS[Number of Letters of Verse 2 (of the 6348 numbered verses)] . . . . . DS[Number of Letters of Verse 6236 (of the 6236 numbered verses)] DS[Number of Letters of Verse 6236 (of 6348 verses)] [Number of Letters of Verse 1 (of the 6236 numbered verses)] [Number of Letters of Verse 1 (of the 6348 verses)] . . . . . DS[Number of Letters of Verse 112 (of 6236 numbered verses)] DS[Number of Letters of Verse 6348 (of the 6348 verses)]

DS stands for digit sum operation. All the rectangular bracket are concatenated. The number of all verses is 6348 and it is 112 more than the 6236 numbered verses text type. Therefore, while pairing both vectors one-to-one, naturally, the shorter one starts over from the beginning part of itself and keeps pairing. As this is the most natural operation approach, it is also the default way of processing in the R programming language while pairing two unequal vectors to each other. Therefore, it does not require additional coding in R.

If we use the real numbers in the above coding pattern, it would be like this:

> DS[[19] [19]] DS[[18] [18]] . . . . . DS[[13] [20]] DS[[19] [18]] . . . . . DS[[98] [13]]
>
> [[10] [10]] [[9] [9]] . . . . . [[4] [2]][[10] [9]] . . . . . [[17] [4]]
>
> [1010] [99] . . . [42] [109] . . . [174]

And, the final number after all the concatenation would look like this:

> 101099 . . .42109 . . . 174

Below is the code to verify the coding pattern.

```
tmp1 <- unQuran$vletters
tmp2 <- nQuran$vletters
tmp <- paste0( sapply(tmp2, digitsum),  sapply(tmp1, digitsum))
head(tmp)

## [1] "1010" "99"   "33"   "33"   "1010" "1010"

tail(tmp)

## [1] "85"  "178" "118" "138" "112" "174"

tmp[6235:6238]

## [1] "210" "42"  "109" "97"

tmpr <- rev(tmp)
head(tmpr)

## [1] "174" "112" "138" "118" "178" "85"

tail(tmpr)

## [1] "1010" "1010" "33"   "33"   "99"   "1010"
```

```r
tmpr <- paste0(tmpr, collapse = '')
tmp <- paste0(tmp, collapse = '')

#code test for mod 19
as.bigz(tmp) %% 19  #0

## Big Integer ('bigz') :
## [1] 0

#reverse code test for mod 19
as.bigz(tmpr) %% 19  #0

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 17580
```

We could have tested 2 in verse level but this 2 in chapter level data, thus we have 1 success and 4 trials to add to the global counters, which I add below:

```r
global_tested_nums <- global_tested_nums + 4
global_success_nums <- global_success_nums + 1
```

Here is the 17580 digits length big number of the evidence code:

"1010993333101010108831093119711671168111181311613761171411101471012791
2109141031483188151812151012111010116107637731272129289148714147614156
1615616561051110111113111513121551285381034106436931491414101414109147
9979999119811888816891612961214621492993910391079678668961291012910891
1186115613581338931098108817811171311111317117171471014610136913139613
5675117111141110441074137131311137115711513119131196117667969999169101
6910109910179161711164111049101291212121215125158558125912691761017121
0101210108101686161261512141551417512178121285127513714131014121014129
1410971067146141416141516315143414641168111281112411241321613121681248
1141411714137131313139131191211712107510125131291369106111051195129111
2911119151113156135612518125182532538511881178477411715111015121061266
1465145510515101815318103161015161315161311168111286121368131481114121
1171241784168151691515991599799711912114121041610316610831161085111710
9511171291411712814878858989589591685591611589111114851116141558161115
1289111212109121271011129781169108961010691610861616887161481073146106
3146561114756119710612971012127712129712127916127771697978939381331131

1138119117811911710117118101071181810811111868181156141815511149151311
7911139771113987513128851412128414141217481410171681310121611136121511
1467159147789971181098115107895117596116566668618616815185161015851210
1387121213177131281710134812101448125148810511871011119715111191515141
1101591415108911151185111411105314101018391018181491118121411191214113
9171411133171311431213841012710138161015710137168159101072081691010820
7169107813711913791313111413129713614712187861179181681211119141615121
3111414101571371471010787157410158915441315791048131171410183116148111
3106118611141081196314118109133911121012131391712612813101713628111091
3152141112971516141112157916101171589101010711810104105111510114751315
1311379131013163591010916951610991397169910138759141098125101499161291
0397161294313781210441315810108411158101081311138910111312138913111127
8151391974154911954124611105101256131012107571351287187951581218591015
1112165810171111103161181417911113411814996111141188913681181111871312
8181511778121811015117118718910511711147169135107131481611135101413158
5119512141215105995128128101491451281089141414212141099131411281459131
3121111817515131312151141717151313915846171513791181769151374111517797
1310411159787510161114911810591610141117101391101416711131811414106711
1418121416107791491211163769159131173668101215121387861185121121081181
1119511151011111411991211755117141191412671251373116141269126135313610
1289861051213910168689101112109716461196118109784111114614859148811121
4101495614583124101191367511374131151397151111781311512971513111871181
2117141391127983113141191512891531431611141511881571414168148118847914
6818148846912691121448861412159112154108214515517151110821151058791112
8111115109814911121011715791414111151067779141011951461271298107991412
1214121081271295125141410412512125751014910949511121271010129593971191
2121091275638749912129771161281341591512107311212111311151315131083825
1161171361328128155869714615214129151181098141115614991311510128811146
8912131351212385148881212136125315510812861296851015910912461298811101
2915984612148101114121015138461114810161431051384711118916638558377117
9106484510357777108424310145574712812133161411513411128191371661113131
8119849137106121311181799491317101112101110171591499178111210610615514
2912810121069616552812141010107916165510891410106711166551015941046911
4616541594548910410166411910518812101110765118105184121711571551281751
0471711511156122106177101371811411136329697141381816491393129139141413
8141679129101211131514913714127131217109111415129107612141316171697141
3121310561114131610161171413101311581171310108118145108111381077108815
8125108131391011712813151412510101399171171211136141451110129141716712
1114691431111121814216812814491638111518112485864816381015611134125768
8537101468135127714875871414108951171114127118141491099811811101210116

1410910910810813106101661510810610810813106716101513811612848101077410
8131111101210413101178448911141061016131411158845911141861116111413151
3895911141821171112131013129169714721071012510191214163715710109101151
6196149341518105991121686893101141218145591526812811391161281414512151
3651218119996108171410129136512181299916106171110129969126121199166615
1191213939968111297671512913134399881012137679123131146998710151386149
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Also, here is the reverse version of the same 17580 digits length big number of the code, which is also multiple of 19 and presented just as a follow up fact:

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9981510111112891187105115821110715515152141081541121591412864812149112
6698414818689144788811814141671481511814151611143153891512119314311981
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5861495101412148111485914814611118497810611119467161091112910681689101
2131058689101213653613912126614311137125671412119714511751211991411111
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7971115104713791517411137915176118791513617849151313171541715111312151
3175118121113135981411213149914102121414914108128145149810812512991051
2151214955111581413510111381613141071351691477115119107181181171015181
8127715111812871311881181113689118114611998144111139111417118316111017
1181016511121015591218158951878751271375121013105610121056111245411949
4159791151378112131189121311139101381311108810111584101015841310481213
7431297163991016129910141259814105987101399716139991610959161010591631
0139133713111315751141510511410101011810710108971510119161571112161471
5129141115291311102813610178136121712139121312109111331091183149681114
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3101514141311151214161191211168918117861877126147131291413131191313711
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7511145614663610314107148716881616861610691010961086981197111271012121
0912129111281115816155161451114811118911591655168598995985888878147121
4111291117951710511108116836103161610104412121111997799991515991515161
6884417171212111114148813136612128811111616131315151616101033181815151

0105555141466661212101015151111774477881111885533225518181212556613131
5151111991111121299551111101066991313121255101077121211119913131313131
3771414111144881212161613132244111112128811116644141433151516161414141
4667710109914141212101014141313775512128812121717551414151512126616168
8101010101212101017176699121255885515151212121212121299101044111116161 71
7991010991010161699999966776611119913131111557711111313131377441010441
1111111775566131399131366101014147717171111131311111717888810109933881
3135566111188991010121299668866779910103399992214146612129916168888881
1119999997799141410101414141499336644101033885512121515131311111111101
0556616161515661414771414889922121277337766101011111010121215151818883
3141410109912127710101414111177661313111188111166771111993310881010101
03333991010”

4.2.4 Rewriting of Basmala based key coding evidence

As already mentioned in the description of the rules of the key coding patterns based evidences, the second key place to look at in Quran is the verse Basmala, which is the first verse of Quran and repeated 114 times in Quran. Like an opener, it is used in the beginning of each of the 113 chapters out of the total 114 chapters of Quran and it is also used one time in one of the chapters, which makes it repeated 114 within the Quran interestingly and thus a unique verse. There are two key coding patterns exist in this special verse Basmala.

First key coding pattern is, the concatenation of the chapter index, verse index, number of words and number of letters in it is multiple of 19 as follows:

> Natural numbers of the text of Basmala verse: Chapter 1, verse 1, 4 words, 19 letters 1,1,4,19 11419 is the coding representation number of Basmala.

In this chapter, I will present the evidence based on this key coding pattern of Basmala. The second key coding pattern is the concatenation of chapter index, verse index, number of words, which makes 114. It was already considered in Chapter 4.1.3 with the codes where there is no letters information is included. Since, these two key coding patterns are multiple of 19, the number letters must be multiple of 19 and as a result of mathematical necessity and thus it is not considered as a key coding pattern. So, in short the only key coding pattern with letters information is the 11419 and I will present in this chapter that it also exist in the full text of Quran too.

As per the rules, when a code is tested with letters information in a *single text type*, I assume it is rewriting of the text because of the letters in it and I always concatenate from right to left as in Arabic. This is the only exception in this books that we concatenate from right to left as if we are rewriting the Arabic text of the Quran with its corresponding natural numbers. We do never concatenate from left to right with letters information in a

single text type as it is always considered as rewriting. Rewriting can only be done in a single text type and thus the pairing coding patterns of two different text types is not considered a rewriting and thus concatenated always in a standard order. These point already mentioned in the rules section of the key coding pattern based evidences but I wanted to clarify here again to remind them to the readers. Now, let's continue the evidence code of this chapter.

We learned the key coding pattern from Basmala, which is the concatenation of chapter, verse, words and letters information. as, per the rules we will concatenate as if we are rewriting the text and thus from right to left in the full text of Quran. Also as per the rule we have to test this key coding pattern both at verse and chapter level data. Because, we do not have *clear distinction* like we observed in the Al-Fatiha whether the key coding pattern is *only* in chapter or verse level data.

In this chapter I will present the evidence we observe in the verse level data of the full text of Quran. This code of this evidence was one of the first codings I had discovered in 2019. By then, I had not realized, it was based on a key coding pattern of Basmala. I had hypothesized that how I can rewrite the full text of Quran by its natural numbers? This was the apparent coding pattern and when I tested it was successful both in verse and chapter level data. Because, from my point of view, I wanted to rewrite Quran by its own natural and thus universal numbers and my first hypothesis was validated. Even without the key coding pattern, they were standing as strong evidence to support that the chapter, verses, words and letters information along with the test structure has a strong 19 based relation. I was amazed by this observation and had named this particular coding as "The Ultimate Evidence" at that time. Instead of rewriting the previous subchapter of it, I will present as a subchapter of this chapter and will not change much and keep that old subchapter as much as possible in the original form. So, the following subchapter presents the evidence at the verse level data based on the key coding pattern we observed in the verse Basmala.

4.2.4.1 The Ultimate Evidence: Rewriting the full text by main descriptive numbers per verse

Along with Basmala verse, the key coding pattern for this evidence code is the verse 83:20. Let's recall this key verse that seems to show the key coding pattern that is also strongly connected with its meaning:

> 83:20 A numbered book it is. (Quran, Y.N Öztürk, kuranmeali.com)

We naturally ask the question as how it is numbered. This verse should show it. It turned out it shows it.

> 83:20 كِتَـٰبٌ مَّرْقُومٌ
>
> 83:20 Kitabun marqoom

This verse has 2 words and 9 letters. When concatenated in the natural order, we get this key coding number that is multiple of 19:

832029 /19 = 43791

We witness that the resulting number is multiple of 19, which stands as key coding pattern. As per the rule, we will consider this as key coding pattern and apply it to full text of Quran. When I tested this key coding pattern, I witnessed that it also exists over the full text of Quran. Moreover, it also has its compulsory even and odd coding too. In this main chapter and in its subchapters, I will present these codes. This was the first code I had discovered and named it as *The Ultimate Evidence* as it literally rewrite the entire Quran with the natural numbers of its text and suggest that the entire Quran is protected with all its letters.

Moreover, the exact same key coding pattern also exist in the first verse of Quran. which is the special verse **Basmala**. It has chapter index 1, verse index 1, 4 words and 19 letters. When concatenated we get 11419, which is also multiple of 19. The Ultimate Evidence shows that this apparently key coding pattern also exist over the full text of Quran considering all the 6348 verses.

Since the code of this chapter was based on one my first hypothesized coding pattern, which is to re-write the text of Quran with its natural text numbers, and also this code was one of my first discovery, if not the first, I had considered this evidence as the **Ultimate Evidence** at the first publication of my book in 2019. I will keep the title as is for this evidence although I later discovered more powerful evidences, like the one in the Al-Fatiha based 19 system, which I considered them as the main 19 system in my book. However, after Al-Fatiha, I realized that the rewriting coding pattern of this evidence is based on the key coding pattern of the key verse 83:20 and the special verse Basmala, which showed that the **Ultimate Evidence** was already a key coding pattern based evidence with letters information included.

The code of this chapter suggests that the full text of Quran with all of its text structure, size and order along with words and letters are under the 19 based coding system of the full text Quran and thus suggest that the text of Quran is intact and unchanged from the beginning since 632. In a sense, this code fully decodes the text of Quran by its descriptive numbers. In order to decode the full text of Quran, we need its own text numbers to decode. The way I will decode the text of Quran is simply by rewriting the text of Quran, verse by verse with its counted descriptive numbers in the exact same order of the text from right to left as in Arabic. For these kinds of rewriting evidences, we can add this rule upon general rules such that in order to *rewrite* the text of Quran by its descriptive numbers we should to mimic the Arabic text of Quran that is written from right to left.

The same key coding pattern was also observed in verse 83:20 and explained in detail in the first key code of Chapter 4.4.1, where it is shown that the concatenation of chapter verse, words and letters is multiple of 19 (832029). We see this key coding pattern if strongly represented in the text of Quran.

In order to rewrite the full text of Quran in the exact same order, I will utilize from this table that keeps all the descriptor numbers for each and every verse of the full text of Quran in order:

```
knitr::kable(head(unQuran, 9), booktabs = TRUE,
  caption = 'Head part of all 6348 verses of Quran to show how the
natural numbers of it look.')
```

Table 4.5: Head part of all 6348 verses of Quran to show how the natural numbers of it look.

VerseI	chapter	verse	vwords	vletters	text
1	1	1	4	19	بسم الله الرحمن الرحيم
2	1	2	4	18	الحمد لله رب العالمين
3	1	3	2	12	الرحمن الرحيم
4	1	4	3	12	مالك يوم الدين
5	1	5	4	19	إياك نعبد وإياك نستعين
6	1	6	3	19	اهدنا الصراط المستقيم
7	1	7	9	44	صراط الذين أنعمت عليهم غير المغضوب عليهم ولا الضالين
8	2	0	4	19	بسم الله الرحمن الرحيم
9	2	1	1	3	الم

Using all the descriptive numbers per verse, I will rewrite the full text of Quran with the numbers in each row of the table above. I will basically rewrite the full text of Quran with numbers in the same order of the words of Quran from right to left as in Arabic. As numbers, I will use the exact chapter index, verse index, number of words and also number of letters of each verse. Since, in the full text of Quran there are 112 unnumbered Basmala verses, I will also take this into account and I will not assign any verse number for the unnumbered Basmalas but still assign their chapter index and word and letter numbers for them just like they are written in the text of Quran. This literally means, rewriting the full

text of Quran with the 4 main descriptor numbers of the text. There is not much versions of such an hypothesis. Because, I am trying to test the order and size of each verse at the smallest resolution that is number of letters and words per verse along with all the two other specific descriptor numbers, chapters and verses.

Considering all the 6348 verse of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below:

> [Chapter 114 | Last Verse of Chapter 114 | Total Words in Last Verse of Chapter 114 | Total Letters in Last Verse of Chapter 114] [Chapter 114 | Verse 5 of Chapter 114 | Total Words in Verse 5 of Chapter 114 | Total Letters in Verse 5 of Chapter 114] . . . . . [Chapter 1 | Verse 2 in Chapter 1 | Total Words in Verse 2 of Chapter 1 | Total Letters in Verse 2 of Chapter 1] [Chapter 1 | Verse 1 in Chapter 1 | Total Words in Verse 1 of Chapter 1 | Total Letters in Verse 1 of Chapter 1]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

> [114 | 6 | 3 | 13] [114 | 5 | 5 | 20] . . . . . [1 | 2 | 4 | 18] [1 | 1 | 4 | 19]

And, the final number after all the concatenation would look like this:

> 1146313 1145520 . . . . . 12418 11419
>
> 11463131145520 1241811419

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the 4 different descriptor numbers first and then test this big number.

```
x<- unQuran # 6348 verses
tv <-c()
 for(j in 1:nrow(x)) {
     if(x$verse[j] != 0){#for all the numbered verses
         tmp <-
paste0(x$chapter[j],x$verse[j],x$vwords[j],x$vletters[j])
         }else{#For unnumbered Basmala verses
             tmp <- paste0(x$chapter[j],x$vwords[j],x$vletters[j])
             }
     tv <- c(tv,tmp)
   }
 tmp <- paste0(tv, collapse = "")
 #I revert the order from right to left as in Arabic.
```

```
tmpr <- rev(tv) # matches the coding from right to left as in Arabic.
cat("Head of the per verse representation numbers : ", head(tmpr))
```

```
## Head of the per verse representation numbers :  1146313 1145520
1144417 114328 114228 1141414
```

```
#"1146313" "1145520" "1144417" "114328"  ...
cat("Tail of the per verse representation numbers : ", tail(tmpr))
```

```
## Tail of the per verse representation numbers :  16319 15419 14312
13212 12418 11419
```

```
tmpr <- paste0(tmpr, collapse = "")
cat("The test of divisibility by 19:")
```

```
## The test of divisibility by 19:
```

```
cat(as.numeric(as.bigz(tmpr) %% 19)) #"0"
```

```
## 0
```

```
cat("Number of digits on this big number
    is ", nchar(tmpr))
```

```
## Number of digits on this big number
##      is  46900
```

First of all, before discussing on the main point, as you can see in the last result, the digit sum of the length of this big number, namely the number of digits of this big number, which is obtained by rewriting the full text of Quran, is also exactly 19.

The big number of this evidence represents all the 6348 verses of the full text of Quran with respect to the number of words and letters per verse and supports the hypothesis that there is no redundant or missing words or even letters to a degree in each and every verses and the verse orders and sizes and also contents of the full text of Quran are also correct, intact and unchanged.

For the reference, to the best of my knowledge, Evidence 4.2.4.1 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 4.2.4.1 had been available in another article, which is very unlikely, then in such a case, I surely add a citation and update the online version of this book.

Because of the reasons I explained before, I had named this evidence, Evidence 4.2.4.1, as a single code, as the *Ultimate Evidence*, when considering the letter level information. It is not

necessarily be really the ultimate code considering all the codes of this book but I will honor my initial experience and feelings with this code when I first discovered it in around 2019 keep its name as is. The coding pattern of Evidence 4.2.4.1 is quite strong, because, first, we literally rewrite the full text of Quran in the exact same structure and order using the main natural descriptor numbers per verse. Secondly, the same coding pattern also exist at the chapter level data of the text too, which I present in Chapter 4.2.4.2. Third, and now by the time I discovered the key coding pattern based system, it is based on the key coding pattern of the key verse 83:20 and the special verse Basmala and it is the main reason is for this code being special.

We used the full text with all the 6348 verses of Quran, which means including unnumbered and numbered verses in this evidence together. In my opinion, there is not much alternative than this big number to represent Quran with numbers up to its letters and thus this is one of the few best possible rewriting representation number of the full text of Quran considering letter level resolution information. We witnessed that this number is under the 19 based coding system of the text of Quran. On the other hand, I have observed some other interesting rewriting representations as well but they might be considered underneath of this evidence as secondary evidences compare to this one. Because this coding pattern is the most natural way of representing the text of Quran for rewriting it by its natural numbers. If Evidence 4.2.4.1 was not successful, those follow up rewriting codings would not be as meaningful as now. Because, one could always argue that the most natural rewriting representation did not pass the test, which is not the case right now.

There are two more codings, which further assures that the full text of Quran can be rewritten as a 19 based code with the natural numbers of the text along with the letters information. In the code of chapter 4.2.4.1.1, I present the coding that uses the number of letters of each word to replace each word in rewriting. Basically, it also suggest that not only the number of letter per verse but also the order of each word has under 19 based coding system when we apply the similar coding pattern of Evidence 4.2.4.1. Also, in the code of chapter 4.2.6, we witness that if we use sum instead of concatenation to get representation number per verse similar to the Evidence 4.2.4.1, we still have 19 based representation code for rewriting the full text of Quran. See those codes for more details in the respected chapters.

Since the key coding pattern is suitable to consider the text type of the numbered 6236 verses too, we have two trials and one success in this evidence based on the key coding pattern with letters information. Let's add them into the counters for probability calculations.

```
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  2
key_codings_success_nums <- key_codings_success_nums + 1
```

Lastly, you can access this big number from the following link:

https://github.com/quran2019/Quran19/blob/master/BigNumber_6.1.txt

One can just copy the big number and paste it into a web based big number calculator and test it herself.

In the subchapters of the particular chapter 4.2.13, I will provide related rewriting codes as *facts* which seem to be strongly associated with this particular rewriting evidence, "the ultimate evidence". I will peovde them current as *facts* since I have not yet found clear key codings for this rewriting codes. Although, they are so strongly associated to "the ultimate evidence", and might be considered as evidence in that respect, I will keep them as strong *facts* for now.

As per the rule, we have to test the follow up even and odd coding of the key coding evidence as I present ın the next chapter.

Also, here is the "46900" digits length big number of Evidence 4.2.4.1:

"1146313114552011444171143281142281141414114419113551511345201133515113249113141411341911245151123412112229112141111241911155151114317111341511126191111515111419110373011027311101519110419109641410955191094517109351910924141091416109419108341510823121081316108419107721410763131075520107421110735201072417107141910741910647261063418106242310612101064191055315105441810534201052519105172510541910493101048314104741810463141045416104441710434151042416104141410441910339521032415103116103419102852110274181026211102552010244141023312102231410212131024191011128101104131019291018416101741410164171015424101452610134171012291011171014191001151910010414100972510084171007415100641810053111004311100321310022131001213100419998621997622996632995413994316993416992318991420994199882183987942986166698516789841145983311982623981125698419975518974937973620972519971521974199619520961821296172109616315961562696145179613415961231296115189610310969313968414967311966417965518964313963314962415961518964199584219574179569429554189546269533159522995121495419948312947313946413945414944312943312942313941413944199311416931041793941793831593731393641693541893452093351593231293116934199221299220521921962192184179217214921631292154179214316921341992123129211621921021392921192841692721392621192541592431192341892231492131392419911531391147399113730911231391113159110413919413918320917312916314915315914315913315912314911212914199020313901963290183179017945901641590153129014619901326901241690113149010214909212908414907515906417905620904520903311902415901415904198930210892931389285218927420892641589255208924521892394389225198

921620892041789194208918523891751989161040891511498914314891351889123178911417891031589952689862389731289661889561689431289321289228891168941988264158825313882442288234138822314882141588204168819417881841788176258816212881521288142128813313881231288114158810310889211888314887618886619885413884313883210882314881417884198719315871851987173158716420871541487144128713619871241987112148710311879416878212877931876313875313874315873312872311871415874198617423861629861531486143118613310861231486113158610617869314868415867522866412865418864619863211862416861214864198522310852141285204178519519851821085174168516311851531385143158513414851241385111465851014658591040858940857627856413855314854315853211852213851316854198425941842431584234178422418842162684204148419415841831384173128416313841561884145138413518841221084113138410623849419848419847521846937845314844416843312842314841314844198336624833531683346308333420833262783316318330419832983683284198327313832663283254168324522832331683224168321213832029831941583186248317725831641783156268314830831373383127228311420831031683929838414837622836523835288345228335248326308312118341982199348218619821751882164168215315821441682134168212314821121182103158294178286178274188267288255188243158233148223178213158241981298328128518812751881262108125518812451881234198122315812131081206198119415811831381173138116211811531381144148113314811231481113148110313819310818316817314816314815314814314813314812316811312814198042419804121080404198039212803831480376248036212803529803451780333148032317803121080302108029212802821080273148026415802541680244218023515802241380213138020312801941580184118017417801628801529801421180133108012310801131280103118092780841480741480631080531180441880341680231280128804197946936794551979443137943414794252579414167940932793941779383167937397936417793552079344207933317793221379314207930417792942079283147927625792661979255267924417792329792231079212879203167919417791861679175187916625791541479143147913416791251979114167910527799212798314797213796314795213794213793213792213791213794197840166978399327838145878371047783651878356247834210783321278322127831314783052378294187828318782752178262978253147824624782331678222117821416782042178194227818626781751978162117815416781452578133167812420781131778103167893167882147872137864177853127842107834167823137812107841977504187749316774862477473167746526774531677444197743629774231577415207740316773951877385267737316773641877354147734316773331277324187731620773062177296247728316772773877262127725417772431677233187722311772141777205187719316771831777173157716314771531677145187713297712310771131377103147793147783147773157763107752137742137732137722137712137741976311042763011417629931762894776278407626729762552176249337623627762283076211359762072976199477618419761763076165237 6

1583776146347613104476125237611836761072976910407687377677357667337658
3576463576373276210497611140764197540727753952675385177537618753652175
3541375343117533517753231275314127530417752931775283127527397526417752
5517752431575233127522314752121275204177519414751842075174177516620751
5314751452175136267512418751138751052475931575829757312756418755523754
6237535247524207514177541974561144745531074543117453519745293174513107
4503157449521744842274473147446417744541874444167443518744241274412107
4403147439314743851774377247436210743531474343137433312743229743157250
7430312742921074284127427413742629742551674246197423313742239742125742
0411741931074183107417211741652174154127414313741321074124177411416741
0418749416748416747210746313745211744210743287422774131274419732078329
7319931731862673178357316631731511517314840731352273124197311635731073
2739936738626737621736830735521734624733518732415731312734197228135272
2713447226727722511367224114572231664722212407221824722082672191041721
8831721710397216839721552772141049721314527212113972119377210134472913
5172884172793372611467251037724728723933722935721134972419712815717127
1041712610377125125471248357123135371223157121134971204207119521711852
5711752371167317115831711431471136207112944711142171106277197287184167
1714797165217157267141865713525712722711145171419704494470439407042842
7041831704073570395227038828703752170365247035417703452470334237032528
7031730703010427029421702851870276247026421702521470245227023522702221
0702141770204157019417701829701741570162107015310701462270133167012212
7011940701041670931770841970721070631470531470411477034157024177014167
0419695241769513136950420694952169483176947621694641769453166944523694
3417694262469417266940415693931169384166937418693651769355206934520693
3623693273169313126930296929313692841469274186926414692511446924840692
3211692231069214146920520691994269186266917943691652569153176914630691
3623691262969117306910628699634698516697156869662769542369442069341669
2286911669419685251968511262685052568491040684811426847521684672768455
1868441044684311526842938684183868404166839124768385176837518683641468
3532368346266833839683210396831623683052468296266828728682731268265236
8254176824626682331968227276821213682021368197276818210681710506816315
6815733681451568134136812417681131368105166894176883146871139686213685
2136844156835186825196814166841967301040672913496728155867271352672693
4672573067248316723125567221247672112426720155467191562671883067171248
6716114067151459671472767139386712938671153167101139679186367813536778
3267673467512686741042673186567211536719336741966121779661124976610271
2166912626684619466712516662310766517826642192663291146621149661155766
4196512259665113415365101772659732658146465725906563214665514546542811
8653217365230132651421736541964185296417125064161679641583964141987641

3937641211596411165864101159649271226481051647186964616826451353644146
2643949642114764117596441963111144631021856391875638179063720906361870
6351466634221046331144632125163117826341962112188621015726292288628187
9627945626187162523105624103962383762221926211252624196114361646113941
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1607156360619736051356604522216031362602136860149220604195924177859231
9875922135159211884592010485919105159181872591710505916176859151147591
4239459131245591216735911281295910231065993113459818985973716659625905
9513605941251593146059241185591114359419582251221582193458208375819157
2581817735817156458161043581510405814197358132411558122392581131139581
0178258920105588381675874716358615645851881584261155832190582231035811
8735841957292285572822945727391915726147457252813857241256572315585722
2169572125108572039180571920105571812575717135557162811857151564571420
9957132713257122210957111243571037153579176957815695771574576125257583
7574361345739405721143571939574195696417569551656942105693310569262656
9152056906225689418568851956874205686520568572856843165683419568242256
8142256804175679417567831156773125676520567541956744175673528567263056
7142156706285669733566842256673125666210566562956645255663315566263256
6193556607325659525565831456574215656416565531556544195653317565251756
5152556505245649419564821556479475646525564552156444135643310564231156
4152556403135639312563821256372105636214563531656342105633417563221156
3129563028562929562831056275255626417562562556244185623319562227562141
6562031656195215618523561742056163195615312561431456133125612312561121
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8627557741955766265575419557462255734195572418557141955703135569419556
8419556741955663175565419556418556341955623145561419556052355594195558
3205557419555693755554195554941555341955525195551419555031655494195548
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4195537631553641955358345534419553317785532419553141855304195529103555
2841955276275526412552541955246315523419552242355214195520418551931755
1841955174215516419551562055145245513419551242055115255510317559634558
4175574235563185553175542105532105522955116554195455621545451954534175
4525185451626545062654495185448935544752054466295445421544452054439355
4427365441519544072954393155438522543794354365295435724543493854334165
4327295431841543041654294225428832542773554265235425932542410415423314
5422729542141654206275419936541862354177295416416541562354146245413522
5412938541152654105215499435488355478405468285455205447285436315427315
4142254419536231753612115360315535941953586205357210535652053554175354
3115353213535293253513125350418534941453484155347419534641353455265344

4155343415534241653414195340413533962153385185337315533672053355195334
3155333314533231129533116735330165453291141532816515327947532618655325
3175324415532325995322414532141853203185319318531862153175165316518531
5314531431453134155312417531151653105185395185383105373155363115353135
3451453341453251653131253419524952552481041524710425246933524573252449
3952439335242733524152152407275239520523894052377285236731523582752346
2952336235232831523162752307285229831522893152276285226727522552452247
3252238335222528522119845220733521962952188385217520521612535215622521
4625521362152125185211317521031552941752841052741452621352521352421352
3395222105211652419516073151599435158727515793051566275155525515451951
5362151521346515111395150829514972951484255147529514683151457325144837
5143827514293251417305140734513962551388345137736513672851356265134419
5133520513262651315235130832512993951289385127522512662351259385124628
5123937512252351214195120420511952651183195117625511693751155205114732
5113519511241851115185110211519412518415517315516313515315514213513213
5122135112135141950451353504493650436275042732504172950405255039124950
3813545037134150361554503562550345245033729503262250315255030933502983
1502883450271037502610415025417502462150236215022124550216235020623501
9934501882650178375016145750151036501493650134195012730501183750105225
0910455085205071151506125350593250493650372750211445013145041949181045
4917197649161665491518914914271164913219349123212949114015949101053499
3014449872849728127496187949512484949414931777492239849116644941948295
4249482814604827281204826281304825401794824197748231241482212524821145
2482018894819737481819864817271104816281244815311414814146148139434812
2085481137151481025105489849488527487840486211164851993484199448341948
2156148151948419473830129473763547361365473512584734155547331155473221
8647318504730126647291140472810484727741472615654725166347247334723737
4722104547211248472027117471914734718156547176324716241044715441724714
1348471314544712221084711114447101675479835478630477104647642047531747
4381674731881472188147183547419463527107463418794633228546321865463115
6046302078462918804628177346271047462632138462514604624187546231355462
2125446212595462027129461994346181766461728113461618814615451934614943
4613135246121675461119764610249546924744682599467145946694546518644642
9106463157246262946112464194537842453683745351676453414614533114345322
2784531125945301362452911474528145445271052452618704525166845242178452
3249445221356452117854520732451915644518135545172410245161374451511444
5141461451316604512146345111142451019724591145458145745741445612534552
0894549344536314526294511245419445931744585294457725445610484455522445
4419445352744523114451519445061944495204448725447524444621044454184444
4210444331244428294441103444405234439836443873744371250443652444358324

4343144433729443262944317284430733442983744284224427420442631444255184
4246274423524442262344215214420624441993544189314417835441662944156294
4146254413728441262644115204410628449514448103944783744672644562344451
7443834442213441124441943896264388827438783743861352438513634384114443
8384243828364381831438011484379522437873443779374376629437562243746264
3736274372735437115694370529436952943689344367734436610404365114743649
3643631779436272943611045436083643591042435814484357933435642443556364
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9146321381037213719792136311352135156321341554213327114213217702131933
2130187421291681212817762127146521263012221252211521241983212318672122
1258212115702120311122119104621182410321171147211614562115125221143011
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2510229594429417672932713129211512913011929027107289261082881046287281
3828613632854923128415712832915028210522811354280239127924102278114527
7936276231012751977274371412731157272104527124972701762269187126823802

6720832669452651254264135426315702622410826160257260281182591877258209
5257189025673025515602542712125373725283025112532501050249188424819692
4712582468382458472441055243741242842241187924014692391051238176823711
4323619862351980234136323323101232124823115702302811122919702281360227
2082226391552253414522413662232078222239922112532202510221919862186192
1717722161157215734214167321319772127292111143210125129104928114727125
3261147258332412522384722727211324191794416319154191431213212124181141
9”

4.2.4.1.1 Fact: Rewriting at verse level by replacing the number of letters of each word with the words

For all the codes based on the core 19 System of this book, which is the al-Fatiha based 19 System, as per the rule, we have to test the even odd coding pattern. We test even odd coding pattern regarding this verse as explained in detail in Chapter 4.1.1. Let’s recall this verse:

> 89:3 by the even and the odd (Quran).

Since we have observed a miraculous system of codes with even odd coding pairs so far, I also hypothesized that there might also be a key coding pattern left in this verse that has key role in this key coding based system with even odd pairs we have witnessed so far. When I checked, I observed this special coding pattern.

This verse has 2 words each has 6 letters. When we write the number of letters in each word along with chapter, verse and word information instead of the total number of letters per verse, we observe this multiple of 19 key coding pattern of this core verse:

> 89 | 3 | 2 | 6 | 6
>
> 893266 /19 = 47014

Then, when I test this key coding pattern over the full text of Quran, I discovered that it also exist in it considering the 6236 numbered verses. Moreover, it also has the compulsory even odd coding as will be presented in the following chapter after this one.

This coding pattern is also closely similar and has strong relation to the evidence code of the Ultimate Code presented in Chapter 4.2.4.1. In code 4.2.4.1, we had witnessed that we could rewrite Quran by concatenating the 6348 representation numbers of each verse at the verse level. In this code of Chapter 4.2.4.1.1, we will observe a similar rewriting coding, but with more deep resolution of the text. This time instead of using the number total letters per verse, I will literally replace each word with the number of letters of each word and rewrite the text of Quran. This further reassures the rewriting of code 4.2.4.1 and

shows that not only the total number of letters per verse but also the order of each word in a verse pattern has 19 the similar 19 based design. This fact answers any potential objections such that "why is there no coding that shows the order of the word are also under 19 based design?". This code, Code 4.2.4.1.1, answers that question by proving that there is also a coding at the number of letters per word resolution and we can rewrite Quran also with the same pattern of code 4.2.4.1 but now with the information of the order of words per verse. Also, this fact is based the second type of the text with 6236 numbered verses. Therefore, considering code 4.2.4.1 and code 4.2.4.1.1 together, they support each other and assures that the text of Quran is under 19 based design up to its letters and thus intact and unchanged. Moreover, there is also further code, Code 4.2.6, that further shows that the pattern of code 4.2.4.1 works again if we use sum instead of concatenation operation while coding per verse. Considering all those three similar rewriting based coding patterns, we witness a very strong 19 based rewriting design that shows that there is 19 based system in the full text of Quran up to its last letter with the current order of chapters, words.

Considering the 6236 numbered verse of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below:

> [Chapter 114 | Last Verse of Chapter 114 | Total Words in Last Verse of Chapter 114 | Number of Letters of Words in Last Verse of Chapter 114] [Chapter 114 | Verse 5 of Chapter 114 | Total Words in Verse 5 of Chapter 114 | Number of Letters of Words in Verse 5 of Chapter 114] . . . . . [Chapter 1 | Verse 2 in Chapter 1 | Total Words in Verse 2 of Chapter 1 | Number of Letters of Words in Verse 2 of Chapter 1] [Chapter 1 | Verse 1 in Chapter 1 | Total Words in Verse 1 of Chapter 1 | Number of Letters of Words in Verse 1 of Chapter 1]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

> [114 | 6 | 3 | 6 5 2] [114 | 5 | 5 | 5 4 2 5 4] . . . . . [1 | 2 | 4 | 8 2 3 5] [1 | 1 | 4 | 6 6 4 3]

And, the final number after all the concatenation would look like this:

> 11463652 1145554254 . . . . . 1248235 1146643
>
> 114636521145554254 12482351146643

Here is the proof of this fact:

```r
x <- nQuran
tmpwr <- c()
for(i in 1:nrow(x)){
  word<-unlist(str_split(x$text[i]," "))
  tmpwr <- c(tmpwr,paste0( rev(sapply(word, nchar) ), collapse = "") )
}

cat("Tail of the representation numbers of each verse with number of
letters per its words: ", tail(tmpwr))

## Tail of the representation numbers of each verse with number of
letters per its words:  5342 53 53 6722 54254 652

cat("Head of the representation numbers of each verse with number of
letters per its words: ", head(tmpwr))

## Head of the representation numbers of each verse with number of
letters per its words:  6643 8235 66 534 6544 865

tmp <- paste0(x$chapter,x$verse, x$vwords, tmpwr)
cat("Tail of this big number at verse level: ", tail(tmp))

## Tail of this big number at verse level:  114145342 1142253 1143253
114446722 1145554254 11463652

cat("Head of this big number at verse level: ", head(tmp))

## Head of this big number at verse level:  1146643 1248235 13266
143534 1546544 163865

tmpr <- paste0(rev(tmp), collapse = '')
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("The number of digits on this big number is", nchar(tmpr))

## The number of digits on this big number is 111098
```

As we see the remainder of mod 19 is 0 and thus it is multiple of 19. It has a similar approach to code 4.2.4.1 but using the second type of the text, the 6236 numbered verses. It also goes further in the letters resolution of the text by using the number of letters per word resolution. This is the maximum resolution we could look at in a text with the natural numbers of a text.

For the reference, to the best of my knowledge, Code 4.2.4.1.1 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself.

Also, here is the “111098” digits length big number:

“1146365211455542541144467221143253114225311414534211355334231134552823113353342311324322211314534211245342331123443321122254112143422111553235211143557111343345111263343421111533333110375338344110276432655110156433310964335310955426431094552433109354264310924624210914842210834625210823543108136731077277107636251075556225107427410735743331072463441071464451064732632641063453281062466471061246105535461054442661053464551052552543105175633323104935321048355410474734410463743104546253104446263104345424104245434104144433103396757865531032433721031161028562562102746372102626510255636231024463321023363310223743102127610111253101104325310192541018473241017454231016474241015476651014577543101347253101227210111710011555342100104622410097622434410084553410074533410064547210053425100434251003249100224910012499986333543997634354399667565459954343399437459934327499237569914755398821333335443446752434436987963258655298616622546432963255298516634666755264735398411662323655439833434982654442498112663696325532975554324974932244468497363323549725542539715542739619565423961828496172559616355596156864233961453434396134532596123732961155332596103334969344596846332967363296645723965542273964363496336449624327396153434495848544957463539569533486553955464629546542753953365495225495128694835349473544946445229454452394434269433444942343694144243931144354931044364939443649383555937344593644543935453559345622379335333429323336931169221245922056336392196442443921845444921726892163534921546362921434489213476339212355292116434343921026792927492847324927267926274925454249243452923475339223437921343691153643911476645576911377444434911236529111374491104523391945242918376791735349163536915353791436369133537912353691126690203535901967527569018375590179876755232901645262901535259014652325290132429012462539011365390102779092669084524390753322590644454905634422590453275390333359024542490145442893024689293526892855533589274855289264354389255354268924564524892396247555548922533634892163353338920433568919434678918574363891756622389161053544462348915115355636237489143932891354335389123647891146245891037268995655558986625424897363389664333238956333322894333689326689223589116882646522882536528824466468823444238822365388214434488204435488194436488184436488176435364881626688152668814266881336348812353488114544288103532889256888355488763243428866423433885443248843544883255882355488147442871935738718565332871735378716466628715443348714442428713643442287124654487112688710342587946424878266877943543432387634368753445874364587 3

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5233462626727135244345544444672694435435426725764253376724865525422672
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4334243432342755555363344651134424424467524455554353728655564454565101
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6685464171244535364446264161682642337477772466415843454874641419444377
5383487225542641398744233246412116663563674764111643354354344352426410
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4226346752542653564637564633116236345255363212652344425376631177924563
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3527534261396226243436129622625542611116635238223360132065263362525434
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4360619652434356443344433360513663343555462460452655564432422432857334
5634876543543264443652367244342603134635547373762602136256865753672601
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6642592319634576676665233244259221366285423324425921187556744426563363
6259201082555655525919108256744663591818634424634236455542591710844465
2584591617824433433344732745915114445455525459142362353375645534225323
5925913126235342624355912166227564826446263591128744586344443466363255
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4664544253657203964366364264463542554256434872656543664657192065576566
5343882555565718124343544479825717136563425354426571628645645543265663
4233446425533571515646256552344426571420655433376776563543385713276426
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3245689444645688582324568746428568656342556857624444456843655568347435
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3567446344567357657356726832665567145457567066556425669783252855668464
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5356564556335456444434256433523564235425641565266564037245639372356382
6656372645636268563535835634264563346362563225656312545630253562925456
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7346544557246273557146544557034545569465445568454555567465445566375555
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3638326342444543227120463572453337763257522270155283543325242632269167
4343544363342642268134455355587557226730434273623656366352364525265542
2266357563444733575435672242752464232425422652746353452355446534627456
7654226439854255333624546445455654354445657625542226311435364236532262
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2443234245525334643344364342733225967432342432444626363553753552653534
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3555322529834546443225127833244554554354357545554447225015853774454456
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2435453324253422465494545356534862634425333573653252344254343452432732
5323224516655455627444442222449444274427224328625445333426254345343625
5323224276553444224167338492240274455262422543435353584664662239156622
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4355336222227948342453265453736268322628222139755555853455355634234563
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6435275272218164454455442766552221757642556762746434424538252639635247
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633422345662452532203256447464343343435243742472202864553435220114544
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353766347525442462453219730742665337453263424343334433744219673644274 6
665432335435354245532352634374354324242542322543345436635263633746219 5
148342773753442721942272427465524475534866652193158335363355442382192 6
444363219125844873383663835237732883821901383242639544272189276546726 5
424462653445562262721881765655257633675763218765555544473443726583536 5
252652653537534327754454674443345342635643321861765282104354444354421 8
544665234858534353443424332533654338526536344532184326423363233443544 7
543424332543375218315555253336535542218216444243355424323321811344427 5
345454321801673389864325533532179955742462421783844333535425364586342 2
337766546265355422177517265555477296368646563964986333548795653244763 6
524321761444362753563433217511536387676552174294446373463535626255427 62
442652217325444243333334344233745653421721564423772524554221711862333 2
543423444554217022634626346462425442633421691162243638664216817433375 6
345523454221672352723557454363463322654216612736656526542216531644353 5
264255333335643764324253216443645663676642243535253262443543524467576 8
322216396623324362162962364424621611366944554365522160116645466755321 5
920874656255232672626522158244443443442443525234527522157982654255521 5
610644335573521551284877246524921541362452544243632153118242768554221 5
266327682151176622776776544546321503166555763455335544465424663434332 1
491763543324466343433214819432342543362378624421477825332421461463474 5
376376752145328333524232754345536533552336554421443463543424376553465 4
246634364862443221434545642754334353364353536425353465355655357437521 4
221643424763255462525275214115653635244233233214030635434245334342452 5
245866872622139146247474543429221381062444243442137196634942255363252 4
532136316244334242743544386687343543545213515823357322652456213415653 6
352442332332133276245468754445426253255325422132176535353542326473421 3
198353432322130188362462844323732432129166633776755445454212817663353 7
525363267421271466333448527743212630645435256333565432724544342733212 5
226698442873647427555553212419844235335553366375321231862356334434323 4
246212212836455456732212115826243265626675212031433242225244375452432 2
543736343211910652436557321182464642665352534362464625421171152245434 6
842116146226822226444621151244424335676421143044624362363723325624444 2
453343211331735473545536253465333647533746521121762353333434334423211 1
186427527352432354262110174634243532763656721093343234254437643423263 2
457327263242210818642385533243366262210717433243233683242432106194323 4
243524435323422105256525426454232542836325532210413449766562554221031 2
652343266543210274652624254262226354635284433226235532625843434533263 6
557343556584633633842721012262564446552434344324542100106262444466299 1

0833435446429812834366583432297188544335444344643222962563454262723334
2536534354829599456434632941764256532543653422293276427265265627655747
2455675329211654256284542913064232466324354353754345443533429027449334
6524234244244436262652892683452552545538326434432454288106266452366287
2866568642345654774346642664542861362364437666552854963543633574662334
3424347648754375638657624576654228415656262663662753283296545362656745
6986361043627355328210642555865628113642556626432328023622436244434436
2653552627924633464334542743236276654278115323536625527796352442642762
3644328543395335344555442751963523272446443336282743763543442434353543
4373537234328333263227311655664446652721064245484532712465375345432554
3544244433270177432455522234333526918835454443352343335268236273343342
4443322343335267208242543475462642543326697653533582651264535524655426
4138256543533262263155532747245567532622462353343545456532985655226160
6643344774565534246855552334632542493666752543343344434242432602865253
4327464232445375545546325918653624553733434554258208673436457443456364
3257186654637252474576562567655327225515657744332424243254276623546333
4676365865432543325376586453252865332452251126542562464632501065527953
5324918442443687663852273248196233443544343234246247128364554567322468
6454545524588336576924410646556655724378276567242865477463241186554663
2436343553624014756356554567322391064255576562381762353343333745464237
1166234453235236193355524345653438477235198266353534445534325234138247
3536468432332364352568343333386486323232126633623332652311564256748352
4734230286224332554465442455552438333229194333636635255223342228136426
2627655632272082552742243276324365226398323352552344444755442437554535
2442624222534643554472532543544245475244328655422413848564566362322320
6424327642555353324322223656363347225362547553342211255526544654222025
4323428644335544343447454219199455372627644536242218662333221717625266
4342544644521611653743676552157672636421416834435834445554421319624724
3733555335334212762482432111163455262334210126534444463622910636363564
7281172357544253271244457454634326116262285455225882642335241262842434
4366238674676652277333263211317973573555416386515465441435341326612482
351146643”

4.2.4.1.2 Fact: The even odd code of the Ultimate Evidence

In this chapter, as a **fact** code, I will show that the **Ultimate Evidence** has its even odd coding that is multiple of 19 too.

Considering all the 6348 verse of Quran, here is the illustration of the even odd coding pattern of the big coding representation number as shown below:

[(For the Verse with General Verse Index 6347) Chapter index | Special verse index | Total Words | Total Letters] [(For the Verse with General Verse Index 6348) Chapter index | Special verse index | Total Words | Total Letters] . . . . . [(For the Verse with General Verse Index 1) Chapter index | Special verse index | Total Words | Total Letters] [(For the Verse with General Verse Index 2) Chapter index | Special verse index | Total Words | Total Letters]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

[114 | 5 | 5 | 20] [114 | 6 | 3 | 13] . . . . . [1 | 1 | 4 | 19] [1 | 2 | 4 | 18]

And, the final number after all the concatenation would look like this:

1145520 1146313 . . . . . 11419 12418

11455201146313 1141912418

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the 4 different descriptor numbers first and then test this big even odd coding number.

```
xx<- unQuran # 6348 verses
x <- xx
ev <- x[(x$VerseI %% 2==0),]
x <- ev
i<- which(x$verse ==0)
ev <- paste0(x$chapter,x$verse,x$vwords, x$vletters)
ev[i] <- paste0(x$chapter[i],x$vwords[i],x$vletters[i])

x <- xx # unQuran
od <- x[( (x$VerseI %% 2) !=0),]
x <- od
i<- which(x$verse ==0)
od <- paste0(x$chapter,x$verse,x$vwords,x$vletters)
od[i] <- paste0(x$chapter[i],x$vwords[i],x$vletters[i])
# even odd pairing to make sure reverse even odd order ok
tmp <- paste0(od,ev)

tmpr <- rev(tmp)
tmpr <- paste0(tmpr, collapse = "")
```

```r
cat("Test if it is multiple of 19:")

## Test if it is multiple of 19:

cat(as.numeric(as.bigz(tmpr) %% 19))

## 0

cat("Number of digits on this big number is ", nchar(tmpr))

## Number of digits on this big number is  46900
```

For the reference, to the best of my knowledge, Evidence 4.2.4.1 and Code 4.2.4.1.2 are first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out thay were available in another article, which is extremely unlikely, then in such a case, I surely add a citation and update the online version of this book.

The coding pattern of Evidence 4.2.4.1 and Code 4.2.4.1.2 are quite strong, because, first, we literally rewrite the full text of Quran in the exact same structure and order using the main natural descriptor numbers per verse. Secondly, the same coding pattern also exist at the chapter level data of the text too, which I present in Chapter 4.2.4.2. Third, they are also the key coding pattern based system as it is based on the key coding pattern of the key verse 83:20 and the special verse Basmala and it is the main reason is for this code being special.

We used the full text with all the 6348 verses of Quran, which means including unnumbered and numbered verses in this evidence together.

Since the key coding pattern is suitable to consider the text type of the numbered 6236 verses too, we have two trials and one success in this evidence based on the key coding pattern with letters information. Let's add them into the counters for probability calculations.

Also, here is the "46900" digits length big number of Code 4.2.4.1.2:

"1145520114631311432811444171141414114228113551511441911335151134520113141411324911245151134191122291123412112419112141111143171115515111261911134151114191111515110273111037301104191101519109551910964141093519109451710914161092414108341510941910813161082312107721410841910755201076313107352010742111071419107241710647261074191062423106341810641910612101054418105531510525191053420105419105172510483141049310104631410474181044417104541610424161043415104419104141410324151033952103419103116102741810285211025520102621110233121024414102121310223141011128102419101

929101104131017414101841610154241016417101341710145261011171012291001 1
519101419100972510010414100741510084171005311100641810032131004311100 1
213100221399862110041999663299762299431699541399231899341699419991420 9
879429882183985167898616669833119841145981125698262397551898419973620 9
749379715219725199619520974199617210961821296156269616315961341596145 1
796115189612312969313961031096731196841496551896641796331496431396151 8
962415958421964199569429574179546269554189522995331595419951214947313 9
483129454149464139433129443129414139423139311416944199394179310417937 3
139383159354189364169335159345209311693231292212993419921962192205219 2
172149218417921541792163129213419921431692116219212312929211921021392 7
213928416925415926211923418924311921313922314911531392419911373091147 3
991113159112313919413911041391731291832091531591631491331591431591121 2
912314902031391419901831790196329016415901794590146199015312901241690 1
326901021490113149084149092129064179075159045209056209024159033119041 9
901415892931389302108927420892852189255208926415892394389245218921620 8
922519891942089204178917519891852389151149891610408913518891431489114 1
789123178995268910315897312898623895616896618893212894312891168922888 2
641589419882442288253138822314882341388204168821415881841788194178816 2
128817625881421288152128812312881331388103108811415888314889211886619 8
876188843138854138823148832108841988141787185198719315871642087173158 7
144128715414871241987136198710311871121487821287941687631387793187431 5
875313872311873312874198714158616298617423861431186153148612314861331 0
861061786113158684158693148664128675228646198654188624168632118641986 1
214852141285223108519519852041785174168518210851531385163118513414851 4
315851114658512413859104085101465857627858940855314856413853211854315 8
513168522138425941854198423417842431584216268422418841941584204148417 3
128418313841561884163138413518841451384113138412210849419841062384752 1
848419845314846937843312844416841314842314833662484419833463083353168 3
326278333420833041983316318328419832983683266328327313832452283254168 3
224168323316832029832121383186248319415831641783177258314830831562683 1
272283137338310316831142083841483929836523837622834522835288326308335 2
483419831211821861982199348216416821751882144168215315821231482134168 2
103158211211828617829417826728827418824315825518822317823314824198213 1
581285188129832812621081275188124518812551881223158123419812061981213 1
081183138119415811621181173138114414811531381123148113314811031381113 1
481831681931081631481731481431481531481231681331481419811312804121080 4
241980392128040419803762480383148035298036212803331480345178031210803 2
317802921280302108027314802821080254168026415802351580244218021313802 2
413801941580203128017417801841180152980162880133108014211801131280123 1
080927801031180741480841480531180631080341680441880128802312794693680 4

1979443137945519794252579434147940932794141679383167939417793641779373
9793442079355207932213793331779304177931420792831479294207926619792762
5792441779255267922310792329792031679212879186167919417791662579175187
9143147915414791251979134167910527791141679831479921279631479721379421
3795213792213793213794197912137839932784016697837104778381458783562478
3651878332127834210783131478322127829418783052378275217828318782531478
2629782331678246247821416782221178194227820421781751978186267815416781
6211781331678145257811317781242078931678103167872137882147853127864177
8341678421078121078231377504187841977486247749316774652677473167744419
7745316774231577436297740316774152077385267739518773641877373167734316
7735414773241877333127730621773162077283167729624772621277277387724316
7725417772231177233187720518772141777183177719316771631477173157714518
7715316771231077132977103147711313778314779314776310777315774213775213
7722137732137741977121376301141763110427628947762993176267297627840762
4933762552176228307623627762072976211359761841976199477616523761763076
1463476158377612523761310447610729761183676873776910407667337677357646
3576583576210497637327641976111407539526754072775376187538517753541375
3652175335177534311753141275323127529317753041775273975283127525517752
6417752331275243157521212752231475194147520417751741775184207515314751
6620751362675145217511387512418759315751052475731275829755523756418753
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4513107448422744952174464177447314744441674454187442412744351874403147
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3157250742841274292107426297427413742461974255167422397423313742041174
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1729135172611467279337247287251037722935723933724197211349712710417128
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7184167157267165217135257141865711145171272270449447141970428427043940
7040735704183170388287039522703652470375217034524703541770325287033423
7030104270317307028518702942170264217027624702452270252147022210702352
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7010416701194070841970931770631470721070411477053147024177034157041970
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4523694172669426246939311694041569374186938416693552069365176933623693

4520693131269327316929313693029692741869284146925114469264146923211692
4840692141469223106919942692052069179436918626691531769165256913623691
4630691173069126296996346910628697156869851669542369662769341669442069
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0446845518684293868431152684041668418386838517683912476836414683751868
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4156852136825196835186841968141667291349673010406727135267281558672573
0672693467231255672483167211242672212476719156267201554671712486718830
6715145967161140671393867147276711531671293867918636710113967783267813
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6542811865142173652301326418529654196416167964171250641419876415839641
2115964139376410115964111658648105164927122646168264718696441462645135
3642114764394964419641175963102185631111446381790639187563618706372090
6342210463514666321251633114463419631178262101572621121886281879629228
8626187162794562410396252310562221926238376241962112526113941611436164
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3515923198759201048592118845918187259191051591617685917105059142394591
5114759121673591312455910231065911281295981898599311345962590597371665
9412515951360592411855931460594195911143582193458225122158191572582083
7581715645818177358151040581610435813241155814197358113113958122392589
2010558101782587471635883816758518815861564583219058426115581187358223
1035729228558419572739191572822945725281385726147457231558572412565721
2510857222169571920105572039180571713555718125757151564571628118571327
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9394114439511473921556393249939014623912491388937389114338618833879473
8429126385135238272938314623801367381331463782912037928120376936377271
1637483437536144372177937332115370939371115236813663691354366207536714
6136432129365167036215543636283607253612511435873235915473561360357115
9354630355311323522086353946350198035183434853534945187346733347237934
4208134521913421360343837340176334120803381552339209233624109337351383
3472733518663321147333114833026963311462328271133292279326259232721863
2415653251553322115032320813202612232118883181872319261073161150317654
3142412531524107312943313291163101666311146838155439134736135037461973
4187435113732724331153341931132285271182286491962283321382284281032281
1554228212955122791772228014522277198722781454227545186227611452273301
3422741779227120892272281122269166522701557226730125226813682265271232
2663514822631144226439174226124972262249222596724922603914822572411822
5843169225550189225624102225352208225422872251271222252941224960240225
0157722474316522483011422451669224654217224328106224493822416342242731
2239156522402711622373514022388442235472002236251112233642882234251222
2314520322323314722294619322303011422277292228401772225146522261354222
3168122241466222139182222227122221926123222026118221757247221816722215
2210422162593221349214221430127221120742212209322091249221017722207114
9220816672205145922061252220325103220417652201145722028352199124922002

4972197301212198261102195146621967329021931565219422107219125130219262
4218927120219013592187652862188178721854418521861777218315612184321232
1811354218216552179939218016772177512662178381632175116121761458217325
9321742912221711866217215622169115021702289216723962168176821653112321
6612572163935216443187216113642162937215920912160115721579422158248921
5512662156104521531153215413502151117872152632214917662150311382147727 2
1481975214532130214614732143451962144341462141155421422189213914632140
3012721371979213810372135156321363113521332711421341554213193321321770
2129168121301874212714652128177621252211521263012221231867212419832121
1570212212582119104621203111221171147211824103211512522116145621133114
1211430113211118722112175821093312321101776210717592108187321052598210
6196121031249210413652101228921027430829910442100104429718722981255295
9442962510229327131294176729130119292115128926108290271072872813828810
4628549231286136328329150284157128113542821052279241022802391277936278
1145275197727623101273115727437141271249727210452691871270176226720832
6823802651254266945263157026413542616025726224108259187726028118257189
0258209525515602567302537372542712125112532528302491884250105024712582
4819692458472468382437412441055241187924284223910512401469237114323817
6823519802361986233231012341363231157023212482291970230281112272082228
1360225341452263915522320782241366221125322223992191986220251022171772
2186192157342161157213197721416732111143212729291049210125127125328114
7258332611472384724125221132272717944241915419163191321214312114191241
8”

4.2.4.2 Rewriting with chapter level data with Basmala based key coding pattern

In the previous subchapter, Evidence 4.2.4.1, we witnessed the Basmala verse key coding pattern based rewriting of the full text of Quran at the verse level data in the text type of 6348 verses. As per the rule, we also test all the key coding patterns of Basmala verse also in the chapter level data. In this chapter, I will present the evidence code that shows the same key coding pattern also exist in the chapter level data of the full text of Quran too and this time it is in the 6236 numbered verses.

To remember the natural numbers to be used at the chapter level data, I first provide the head and tail of the table I will use.

```
knitr::kable(head(dfVCwl), booktabs = TRUE,
  caption = 'Table head of numbered verses of Quran.')
```

Table 4.6: Table head of numbered verses of Quran.

Chapter_index	Verse_sum	cwords	cletters
1	7	29	143
2	286	6140	26249
3	200	3501	14985
4	176	3763	16332
5	120	2837	12206
6	165	3056	12726

I will concatenate the numbers per chapter in the exact same order of the text of Quran, namely from right to left, as I did in Evidence 4.2.4.1. We observe this coding in the numbered 6236 verses text type of Quran as below. Before that, considering all the 6236 numbered verse of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below:

> [Chapter 114 | Total Verses of Chapter 114 | Total Words of Chapter 114 | Total Letters. of Chapter 114] [Chapter 113 | Total Verses of Chapter 113 | Total Words of Chapter 113 | Total Letters of Chapter 113] . . . . . [Chapter 2 | Total Verses of Chapter 2 | Total Words of Chapter 2 | Total Letters of Chapter 2] [Chapter 1 | Total Verses of Chapter 1 | Total Words of Chapter 1 | Total Letters of Chapter 1]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

> [114 | 6 | 20 | 80] [113 | 5 | 23 | 73] . . . . . [2 | 286 | 6140 | 26249] [1 | 7 | 29 | 143]

And, the final number after all the concatenation would look like this:

> 11462080 11352373 . . . . . 2286614026249 1729143
>
> 1146208011352373 22866140262491729143

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the 4 different descriptor numbers first and then test this big number at the chapter level data.

```r
# Proof on per chapter level rewriting
tmp <- paste0(dfVCwl$Chapter_index,dfVCwl$Verse_sum,
              dfVCwl$cwords, dfVCwl$cletters)
tmpr<-rev(tmp)
cat("Heand and tail of the chapter level represenation numbers: ")

## Heand and tail of the chapter level represenation numbers:

head(tmpr)

## [1] "11462080" "11352373" "11241547" "11152381" "11031980"
"10962799"

tail(tmpr)

## [1] "6165305612726" "5120283712206" "4176376316332" "3200350114985"
## [5] "2286614026249" "1729143"

tmpr <- paste0(tmpr, collapse = '')

cat("The test of divisibility by 19:")

## The test of divisibility by 19:

cat(as.numeric(as.bigz(tmpr) %% 19))

## 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 1205
```

This code has a similar approach to Evidence 4.2.4.1 but at the chapter level numbers resolution of it. We could perform two tests and observed one success considering the text type of all the 6348 verses.

For the reference, to the best of my knowledge, like all the other, Evidence 4.2.4.2 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 4.2.4.2 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

Since the key coding pattern is suitable to consider the text type of all the 6348 verses too, we have two trials and one success in this evidence based on the key coding pattern with letters information. Let's add them into the counters for probability calculations.

```
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  2
key_codings_success_nums <- key_codings_success_nums + 1
```

Here is the “1205” digits length number of this evidence:

“1146208011352373112415471115238111031980109627991083104310772511410641777105523971049331341033147310282812310111361601001140169998361589889440497530115961972288958341629482710293114016592217131491155425390208234289301395848826923828719722968617612548522109469842510844583361697508219813338129104435804213355279461797857840174796775018184176312431087754016467674562561035732020085472282861109712822796570442179716952260113368523011289673033313476612254110565122891203641824210916311181801621117776861142269666013352156059244471970582247520465729575254556963791756557835216475455342146953623601433524931213245160360154650453731507491835315334829560251047385422423463564526674537488208544593461474438983636094253860352241547943365408512265108397511774869388873530653718286538993683730306835457783238345488435943373130357883230372156331345502171306081734722969978431728881438593027931159479026227132056302577896387824641319575423118105244832278127953142111211745094201351353539919989713935181101583655217111155866431612818447832159965728821452830353913438533545121111795730711123194678171010918397589912925051111587512425387720633411443561653056127265120283712206417637631633232003501149852286614026249172914 3”

4.2.5 Rewriting the full text by main descriptive numbers per general verse index

Along with **Basmala** verse, the key coding pattern for this evidence code is the Basmala verse and again the verse **83:20**.

> 83:20 A numbered book it is. (Quran, Y.N Öztürk, kuranmeali.com)

We naturally ask the question as how it is numbered. This verse should show it. It turned out it shows it in many ways. This verse has 2 words and 9 letters. Considering all the 6348 verses, its general verse index is 5949 Here is the key coding pattern over it:

> [5949 | 83 | 2 | 9]
>
> 59498329 / 19 = 3131491

I discovered that, this same key coding pattern also exist over the full text of Quran considering all the 6348 verses.

Moreover, the exact same key coding pattern also exist in the first verse of Quran. which is the special verse Basmala. It has the general verse index 1, chapter index 1, 4 words and 19 letters. When concatenated we get 11419, which is also multiple of 19. Since, the general verse index is independent from the special verse index, this key coding pattern is also considered a new one as we test it over the general verse indexes.

Evidence 4.2.4.1 is the main evidence to rewrite the full text of Quran with the 4 main descriptor numbers of a text. If Evidence 4.2.4.1 was not successful, I would not be able to confidently hypothesize the additional follow up potential evidences such as this one. Because, when we mention a specific verse in Quran we **naturally** refer to it by its chapter and verse index such as this "Quran 74:30". Therefore, any natural test must consider those numbers first as I did so in Evidence 4.2.4.1 and proved that when we rewrite, or in other words decode the text of Quran with its main descriptor numbers, the resulting big number is divisible by 19, which very strongly supports that Quran is intact and has correct order and unchanged as we Muslims already presume and accept so. However, after witnessing that great test, I decided to perform a follow up test. I wanted to test if there is any similar design with respect to the general order index of each verse from 1 to 6348 (column *VerseI* in the table). Then, the question was at which location should I place the general order verse index for concatenation. The previous natural order was not quite suitable as it does not fit in, for instance, the natural "74:30" like expression of a verse of Quran. I decided to place the general order of verse index at the beginning just like I naturally did myself while generating the table of the text of Quran and placing the general verse indexes, *VerseI*, at the beginning. This make sense because we also sometimes refer to a verse like "the first verse" in Quran without referring the chapter index. In a sense, these general verse order indexes are at the outer domain of chapter indexes and when we give only this index one can find out which chapter and which verse of that chapter by following the order of the verses in Quran. Thus, I locate the general verse indexes, *VerseI*, at the beginning and then follow the general order of concatenations afterwards. As I show in the following, rewriting the full text of Quran as in Evidence 4.2.4.1 but this time regarding the general verse order indexes results another big number that is also multiple of 19.

Considering all the 6348 verse of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below:

> [Last General Verse index, 6348 | Chapter 114 | Total Words in Last Verse of Chapter 114 | Total Letters in Last Verse of Chapter 114] [General Verse index 6347 | Chapter 114 | Total Words in Verse 5 of Chapter 114 | Total Letters in Verse 5 of Chapter 114] . . . . . [General Verse index 2 | Chapter 1 | Total Words in Verse 2 of Chapter 1 | Total Letters in Verse 2 of Chapter 1] [General Verse index 1 | Chapter 1 | Total Words in Verse 1 of Chapter 1 | Total Letters in Verse 1 of Chapter 1]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

[6348 | 114 | 3 | 13] [6347 | 114 | 5 | 20] . . . . . [2 | 1 | 4 | 18] [1 | 1 | 4 | 19]

And, the final number after all the concatenation would look like this:

6348114313 6347114520 . . . . . 21418 11419

63481143136347114520 2141811419

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the 4 different descriptor numbers first and then test this big number.

```
x<- data.table(unQuran)
tmp <- paste0(x$VerseI,x$chapter,x$vwords,x$vletters)
head(tmp)

## [1] "11419" "21418" "31212" "41312" "51419" "61319"

#Revert the order from right to left as in Arabic.
tmpr <- rev(tmp)
head(tmpr)

## [1] "6348114313" "6347114520" "6346114417" "634511428"  "634411428"
## [6] "6343114414"

tmpr <- paste0(tmpr, collapse = '')
cat(as.numeric(as.bigz(tmpr) %% 19))# "0"

## 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 58714
```

Since the key coding pattern from verse 83:20 is using the general verse index from the 6348 verses, as per the rule, I only need to test on all the 6348 verses of the full text. This means we have one trial and one success to add to the counters.

```
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  1
key_codings_success_nums <- key_codings_success_nums + 1
```

You can access this “58714” digits length big number from the following:

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Also, here is the “58714” digits length big number:

“6348114313634711452063461144176345114286344114286343114414634211441963411135156340113520633911351563381134963371134146336113419633511251563411241263331122963321124116331112419633011151563291113176328111415632711161963261115156325111419632411073063231107316322110519632111041963201094146319109519631810951763171095196316109414631510941663141094196313108415631210831263111083166310108419630910721463081073136307107520630610721163051075206304107417630310741963021074196301106726630010641862991064236298106210629710641962961053156295105418629410542062931055196292105725629110541962901043106289104314628810441862871043146286104416628510441762841044156283104416628210441462811044196280103952627910341562781031662771034196276102521627510241862741022116273102520627210241462711023126270102314626910221362681024196267101286266101413626510129626410141662631014146262101417626110142462601015266259101417625810129625710117625610141962551005196254100414625310072562521004176251100415625010041862491003116248100311624710021362461002136245100213624410041962439962162429962262419963262409941362399931662389941662379931862369942062359941962349821836233989426232981666623198167862309811456229983116228986236227981256622698419622597518622497937622397620622297519622197521622097419621996520621896212621796210621696315621596626621496517621396415621296312621196518621096310620996313620896414620796311620696417620596518620496313620396314620296415620196518620096419619995421619895417619795942619695418619595626619495315619395296619295214619195419619094312618994313618894413618794414618694312618594312618494313618394413618294419618193416618093417617993417617893315617793313617693416617593418617493520617393515617293312617193166170934196169922961689252161679262161669241761659221461649231261639241761629231661619241961609231261599262161589221361579221161569241661559221361549221161539241561529231161519241861509231461499231361489241961479131361469173961459173061449131361439131561421913614191413614091320613991312613891314613791315613691315613591315613491314613391212613291419613190313613090632612990317612890945612790415612690312612590619612490266123904166122903146121902146120902126119904146118905156117904176116906206115905206114903116113904156112904156111904196110892106109893136108895216107894206106894156105895206104895216103899436102895196101896206100894176099894206098895236097895196096891040609 5

8911496094893146093895186092893176091894176090893156089895266088896236
0878931260868961860858961660848931260838921260828928608189166080894196
0798841560788831360778842260768841360758831460748841560738841660728841
7607188417607088625606988212606888212606788212606688313606588312606488
4156063883106062882116061883146060886186059886196058884136057883136056
8821060558831460548841760538841960528731560518751960508731560498742060
4887414604787412604687619604587419604487214604387311604287416604187212
6040879316039873136038873136037873156036873126035873116034874156033874
1960328642360318629603086314602986311602886310602786314602686315602586
6176024863146023864156022865226021864126020864186019866196018862116017
8641660168621460158641960148531060138541260128541760118551960108521060
0985416600885311600785313600685315600585414600485413600385146560028514
6560018510406000859405999856275998854135997853145996853155995852115994
8521359938531659928541959918494159908431559898441759888441859878462659
8684414598584415598484313598384312598284313598184618598084513597984518
5978842105977843135976846235975844195974844195973845215972849375971843
1459708441659698431259688431459678431459668441959658362459648331659638
3630596283420596183627596083631595983419595883836595783419595683313595
5836325954834165953835225952833165951834165950832135949832959488341559
4783624594683725594583417594483626594383830594283733594183722594083420
5939833165938832959378341459368362259358352359348328593383522593283524
5931836305930832115929834195928829345927826195926825185925824165924823
1559238241659228241659218231459208221159198231559188241759178261759168
2418591582728591482518591382315591282314591182317591082315590982419590
8818325907815185906815185905812105904815185903815185902814195901813155
9008131058998161958988141558978131358968131358958121158948131358938141
4589281314589181314589081314588981313588881310588781316588681314588581
3145884813145883813145882813145881813165880813125879814195878804195877
8021058768041958758021258748031458738062458728021258718029587080517586
9803145868803175867802105866802105865802125864802105863803145862804155
8618041658608042158598051558588041358578031358568031258558041558548041
1585380417585280285851802958508021158498031058488031058478031258468031
1584580275844804145843804145842803105841803115840804185839804165838803
1258378028583680419583579936583479519583379313583279414583179525583079
4165829799325828794175827793165826793958257941758247952058237942058227
9317582179213582079420581979417581879420581779314581679625581579619581
4795265813794175812792958117931058107928580979316580879417580779616580
6795185805796255804794145803793145802794165801795195800794165799795275
7987921257977931457967921357957931457947921357937921357927921357917921
3579079213578979419578878166957877893257867814585785781047578478518578

3786245782782105781782125780782125779783145778785235777784185776783185
7757852157747829577378314577278624577178316577078211576978416576878421
5767784225766786265765785195764782115763784165762785255761783165760784
2057597831757587831657577831657567821457557821357547841757537831257527
8210575178416575078313574978210574878419574777418574677316574577624574
4773165743775265742773165741774195740776295739773155738775205737773165
7367751857357752657347731657337741857327741457317731657307731257297741
8572877620572777621572677624572577316572477738572377212572277417572177
3165720773185719773115718774175717775185716773165715773175714773155713
7731457127731657117751857107729570977310570877313570777314570677314570
5773145704773155703773105702772135701772135700772135699772135698772135
6977741956967610425695761141569476931569376947569276840569176729569076
5215689769335688766275687768305686761359568576729568476947568376419568
2766305681765235680768375679766345678761044567776523567676836567576729
5674761040567376737567276735567176733567076835566976635566876732566776
1049566676114056657641956647572756637552656627551756617561856607552156
5975413565875311565775517565675312565575412565475417565375317565275312
5651753956507541756497551756487531556477531256467531456457521256447541
7564375414564275420564175417564075620563975314563875521563775626563675
4185635753856347552456337531556327529563175312563075418562975523562875
6235627755245626754205625754175624754195623741144562274310562174311562
0745195619749315618743105617743155616745215615744225614743145613744175
6127441856117441656107451856097441256087421056077431456067431456057451
7560474724560374210560274314560174313560074312559974295598745725055977
4312559674210559574412559474413559374295592745165591746195590743135589
7439558874255587744115586743105585743105584742115583745215582744125581
7431355807421055797441755787441655777441855767441655757441655747421055
7374313557274211557174210557074285569742755687431255677441955667378329
5565739315564736265563738355562736315561731151556073840555973522555873
4195557736355556737325555739365554736265553736215552738305551735215550
7362455497351855487341555477331255467341955457213525544721344554372727
5542721136554172114555407216645539721240553872824553772826553672104155
3572831553472103955337283955327252755317210495530721452552972113955287
2937552772134455267213515525728415524729335523721146552272103755217272
8552072933551972935551872134955177241955167115715515711041551471103755
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135269751769696521100695518756945157069352392692529107691530134690542 1
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796044218260341454602473060141567600422945994201065984622815974239659 6
431122595410405944126459342712859248375914331725904401705894167058846 0
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242710756141977560423105559416655584167355741565556430125555429132554 4
251025534201005524209555141138550418805494103754841143547420945464104 0
545414545444206954342912154243817754149445404146453944920553841461537 4
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528427108527412565264135352542499524483452341360522414615214582645204 4
218551945426551841763517411495164178351543515751442410651342090512414 7
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320734593251074583832457313534563216845531875454330121453372845231453 4
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2442251112432472002422251222412642882402331472392452032382301142372461
9323624017723527292342135423321465232214662312168123022712222923918222
8226118227226123226216722252572472242259322322210422223012722124921422
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2112251032102835209214572082249720721249206226110205230121204273290203
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8619421777193244185192232123191215611902165518921354188216771872939186
2381631852512661842145818321161182229122181225931802156217921866178222
8917721150176217681752239617421257173231123172243187171293517029371692
1364168211571672209116622489165294216421045163212661622135016121153160
2632159217871582311381572176615621975155272715421473153232130152234146
1512451961502218914921554148230127147214631462103714521979144231135143
2156314221554141227114140217701392933138218741372168113621776135214651
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2228910821044107210441062125510521872104225102103294410221767101227131
1002115199230119982271079722610896210469522813894213639324923192215719
1229150902105289213548822391872241028621145852936842231018321977822371
4181211578021045792249778217627721871762238075220837429457321254722135
4712157070224108692602576822811867218776622095652189064273063215606222
7121612737602830592125358210505721884562196955212585428385328475221055

5127415028424921879482146947210514621768452114344219864321980422136341
2231014021248392157038228111372197036213603522082342391553323414532213
6631220783022399292125328225102272198626261925217722421157232734222167
3212197720272919211431821251172104916211471521253142114713283312212521
1284710272792138241971944613195141941312312122141811419”

4.2.5.1 Fact: Even Odd on rewriting with the general verse index based key coding pattern

When we test the even and odd coding pattern of the previous evidence of Chapter 4.2.5 by classifying the verses as even and odd **with respect to chapters**, we again observe that it also exist over the full text of Quran considering 6348 numbered verses as presented below.

Considering all the 6348 verses of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below:

> . . . . . [(For Verse 1 of Chapter 2) General Verse index | Chapter index | Total Words in the verse | Total Letters in the verse] [(For Verse 1 of Chapter 1) General Verse index | Chapter index | Total Words in the verse | Total Letters in the verse]

Here the “|” symbol stands for the concatenation operation of the numbers of its both sides. The neighboring square brackets also for concatenation.

If we use the real numbers in the above formula, it would be like this:

> . . . . [8 | 2 | 4 | 19] [1 | 1 | 4 | 19]

And, the final number after all the concatenation would look like this:

> 82419 11419
>
> 8241911419

Note that, here, “4 and 19” represents the words and letters of the Basmala verses, receptively, at the beginning of each chapter. Since the even and odd numbers are in different length, I did not provide the head of it.

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the sum of the 4 different descriptor numbers first and then test this big number.

```
x<- unQuran
tmp <- paste0(x$VerseI , x$chapter, x$vwords, x$vletters)

ev <- which(x$chapter %% 2 ==0)
ev <- tmp[ev]
od <- which(x$chapter %% 2 !=0)
```

```r
od <- tmp[od]

tmp <- paste0(ev,od) #pair even and odd numbers

tmpr <- rev(tmp)
tmpr <- paste0(tmpr, collapse = "")
#Test if mod 19 is 0
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 60103
```

Also, here is the “60103” digits length big number of the fact code 4.2.5.1:

“634811431346331674634711452046233315163461144174613947634511428460320
736344114284593251076343114414458383263421144194573135363351125154563 2
168633411241245531875633311229454330121633211241145337286331112419452 3
145363241107304513371576323110731450321896322110519449375291632111041 9
448325106631310841544734016663121083124463198463111083164453626631010 8
419444313646301106726443310506300106418442319876299106423441321886298 1
062104403249962971064194393271076290104310438312516289104314437313606 2
881044184363633628710431443532410562861044164343941628510441743336296 2
841044154323135462831044164313157062821044144303231046281104419429313 7
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0101271045589416701011719955884602351010720875874321621009715685864361
6810087147258542812810077136258442288100671887583417611005710485824155
7100472811058142277100373615058042287100271570579430135100171042578413
5610007231045774241019997146257641249998740161575418739977371575744361
4399671158573448204995719745724209899471147571431139993729110570421939
9272611156941975991716645684176399071678567411499897166956647289887229
4565418929877311385644321986720835634627985773456242710798471248561419
7798371254560423105982728130559416659817526558416739807251055574156597
9717705564301259787125455542913297771566554425102976773655342010097574
1655242095974752155141138973713505504188097271757549410379717167354841
1439707114854742094969711565464104096879455454145496776275444206996676
3654342912196571246542438177964710435414944963714575404146496271350539
4492059617145384146196074195374124379351142536415557925241025354156879

151147534418857905291085334157878954515353243215878851770531422927875 2
297530440192786515665294198878552286528427108784513615274125678356428 0
526413537825155952542499781522995244834780526128523413607795522135224 1
461778520865214582647775241005204421857765218551945426577559345184176 3
774526100517411497735167351641783772511455154351577715937514424106770 5
271195134209076952086512414707685511965114221077675241045104135576652 4
116509418797655137250848829976452092507471271763516825064136376254520 5
505415717615125250441370760518695034199175957405024371867585146750141 6
797575166350041458756521894994281157555261284984168275451570497429125 7
535197849644197525104229424919675151771293227118750524902922281037495 1
658291232138748525982902129551747584028921554746525962882145274553413 9
287217727445197828621454743519892852198774252092284211457415311292832 4
518674052594282217797395241042812301347385126228022811273754721827922 0
897365136727821557735513632772166573451668276213687335271102752301257 3
252177274235148731512542732271237305241092722391747295114827121144728 5
136827022492727538158269224977265158026823914872552811626726724972452 3
104266243169723510452652241187225331362642241027215512282632501897205 1
666262222877195261172612522087185311402602941717541195259227122716515 6
825821577715526113257260240714568281256230114713519712552431657125144 9
254254217711513642532166971051249252293870952488251228106708514682502 7
317075135224926347065341402482271167055401622472156570452610624628447 0
359382452351407025135624422511170151664243247200700524992422251226995 1
462241264288698513522402331476975176923924520369652110023823011469551 8
752372461936945157023624017769352392235272969252910723421354691530134 2
332146569054215723221466689518802312168168852492230227122687525119229 2
391826865321412282261186855452072272261236845241072262167268357402252 5
724768251047224225936815271172232221046805198622223012767956228122124 9
214678543201220220936775311372192207467656127821821772675553242217212 4
967452497216216676735419215211494953115721421252494330121213214594933 2
185212217654923730211225103491372921028354903431882092145748931458208 2
249748832095207212494873114520622611048632110020523012148531157204273 2
904843938203214664833208620222210748232199201215654813241082002624480 3
239919922513047931255198213594783281201972271204773937196217874763229 5
195265286475330122194217774743361461932441854733177419223212347231253 1
912156147132287190216554703115418921354469315641882167746831777187293 9
467315691862381634663114718525126646531978184214584643135418321161463 3
167418222912246233315118122593461394718021562460320731792186645932510 7
178222894583832177211504573135317621768456321681752239645531875174212 5
745433012117323112345337281722431874523145317129354513371571702937450 3
218916921364449375291168211574483251061672209144734016616622489446319 8

4165294244536261642104544431364163212664433105016221350442319871612115
3441321881602632440324991592178743932710715823113843831251157217664373
1360156219754363633155272743532410515421473434394115323213043336291522
3414643231354151245196431315701502218943032310414921554429313711482301
2742831155147214634273529146210374263527145219794253136214423113542431
6611432156342331245142215544223943141227114421317681402177042031569139
2933419313601382187441831047137216814173125713621776416311491352146541
5321881342301224143281271332221154133311251322198341232398131218674113
1877130212584103940129215704093158412823111240831459127210464073351521
2622410340631148125211474053231131242145640431144123212524033114912223
0113402310431212311414013178112021758400314651192187239931470118217763
9833415711723312339731354116218733963177411521759395315691142196139432
0771132259839331350112213653923259911121249391310421102743083903114710
9222893893114410821044388324991072104438731556106212553863249110521872
3853146210422510238431143103294438339371022176738239471012271313813188
3100211513803135299230119379329126982271073783146297226108377372996210
4637633314695228138375313679421363374328120932492313733291209221571372
3271169122915037139369021052370336144892135436938348822391368332115872
2410236731779862114536631152852936365393984223101364313548321977363313
6682237141362314618121157361320758021045360316707922497359332129782176
2358362877218713573155476223803563251147522083355372574294535431547732
1254353373272213543523115971215703513136070224108350331132692602573493
6306822811834839466721877347320866622095346383465218903453198064273034
4345187632156034335356222712134232379612737341373360283034032191592125
3339320815821050338383757218843373136056219693363208055212583353176354
2838334320925328473333155252210553323351385127413313241095028423303186
6492187932937274821469328311484721051327311474621768326314624521143325
3269644219863243227943219803233271134221363322321864122310132132592402
1248320315533921570319315653822811131832081372197031731150362136031631
8883522082315326122342391553143261073323414531331872322136631236543122
0783113115030223993103241072921253309324125282251023083291162721986307
3943262619306314682521772305316662421157304313472327343033155422216733
0234619721219773013135020272930031137192114329931874182125129831153172
1049297372416211472963131521253295341914211477194413283361319122125251
4191128474131210272731212921321418824191141 9”

4.2.6 Total natural numbers based key coding evidences

The key coding pattern for this code is in the verse 83:20 and in the general total numbers of the text.

83:20 A numbered book it is. (Quran, Y.N Öztürk, kuranmeali.com)

We naturally ask the question as how it is numbered. This verse should show it. It turned out it shows it. This verse has 2 words and 9 letters.

83:20 كِتَـٰبٌ مَّرْقُومٌ

83:20 Kitabun marqoom

83+20+2+9 = 19x6 = 114 (number of chapters of Quran)

If we sum all of its natural numbers we witness that the resulting number is multiple of 19, which stands as key coding pattern. As per the rule, we will consider this as key coding pattern and apply it to full text of Quran. When I tested this key coding pattern, I witnessed that it also exist over the full text of Quran. Moreover, it also has its compulsory even and odd coding too. In this main chapter and in its chapters, I will present these codes.

This key coding pattern also exist when we look at the total numbers of Quran. However, that coding should be considered as supporting evidence to this key coding pattern described above regarding verse 83:20. As already described in the introduction of Chapter 4, the third key place to look for key coding patterns is **the total natural numbers** of the full text of Quran. It was like to look at the overall picture of the structure and see if there is an obvious key coding patterns exist in regard the over all numbers of the text. Similar to the Basmala based key coding patterns, the key coding patterns from the total numbers will be tested both in chapter and verse level data of the full text of Quran as there is no chance to make clear distinction to test in both chapter and verse level data.

Let me remind the total numbers of the full text of Quran in all the 6348 verses and in the numbered 6236 verses in the following:

Total numbers per text category in 6348 verses. : 114, 6348, 78245, 332837.

Total numbers per text category in 6236 numbered verses: 114, 6236, 77797, 330709.

The key coding pattern we observed considering the totals of the natural number of the text is that the total number of chapters, verse, words and letters information is multiple of 19 considering the text type of all the 6348 verses as follows:

114 + 6348 + 78245 + 332837 = 417544.

417544 / 19 = 21976.

As a supportive evidence, we will also consider this as key coding pattern and apply it chapter and also verse level data too considering both text types. In this chapter, I will present the evidence code at the verse level data considering all the numbered 6236 verses.

Basically, we first **sum** the chapter index, verse index, the number of words and the number of letters in that verse. This gives us the representation number of that verse. We then place those representation numbers where we see in the text as this is a rewriting test just as in the case of *the Ultimate Evidence*, Evidence 4.2.4.1. Namely, as per the rules we write from right to left whenever there is letters information in a single text type as we consider it rewriting of the full text. Then, we concatenate all the 6236 representation numbers and obtain the single representation number of the text of Quran considering only the numbered verses.

> A numbered book it is. (Quran, 83:20, Y.N Öztürk, kuranmeali.com)

The same key coding pattern was also observed in verse and explained in detail in the second key code of Chapter 4.4.1, where it is shown that the sum of chapter verse, words and letters is exactly 114 and also multiple of 19 (83+20+2+9). We see this key coding pattern if strongly represented in the text of Quran.

Let me first remind the numbers by presenting the head and tail of the table of the numbered verses.

```
knitr::kable(head(nQuran), booktabs = TRUE,
  caption = 'Table head of numbered 6236 verses of Quran.')
```

Table 4.7: Table head of numbered 6236 verses of Quran.

VerseI	chapter	verse	vwords	vletters	text
1	1	1	4	19	بسم الله الرحمن الرحيم
2	1	2	4	18	الحمد لله رب العالمين
3	1	3	2	12	الرحمن الرحيم
4	1	4	3	12	مالك يوم الدين
5	1	5	4	19	إياك نعبد وإياك نستعين
6	1	6	3	19	اهدنا الصراط المستقيم

```
knitr::kable(tail(nQuran), booktabs = TRUE,
  caption = 'Table tail of numbered 6236 verses of Quran.')
```

Table 4.7: Table tail of numbered 6236 verses of Quran.

VerseI	chapter	verse	vwords	vletters	text
6231	114	1	4	14	قل أعوذ برب الناس
6232	114	2	2	8	ملك الناس
6233	114	3	2	8	إله الناس
6234	114	4	4	17	من شر الوسواس الخناس
6235	114	5	5	20	الذي يوسوس في صدور الناس
6236	114	6	3	13	من الجنة والناس

Considering all the 6236 numbered verses of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below:

> [Chapter 114 + Last Verse of Chapter 114 + Total Words in Last Verse of Chapter 114 + Total Letters in Last Verse of Chapter 114] [Chapter 114 + Verse 5 of Chapter 114 + Total Words in Verse 5 of Chapter 114 + Total Letters in Verse 5 of Chapter 114] . . . . . [Chapter 1 + Verse 2 in Chapter 1 + Total Words in Verse 2 of Chapter 1 + Total Letters in Verse 2 of Chapter 1] [Chapter 1 + Verse 1 in Chapter 1 + Total Words in Verse 1 of Chapter 1 + Total Letters in Verse 1 of Chapter 1]

Here the "+" symbol stands for the sum operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

> [114 + 6 + 3 + 13] [114 + 5 + 5 + 20] . . . . . [1 + 2 + 4 + 18] [1 + 1 + 4 + 19]

And, the final number after all the concatenation would look like this:

> 136 144 . . . . . 25 25
>
> 136144 2525

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the sum of the 4 different descriptor numbers first and then test this big number.

```
x<- nQuran
tmp <- x$chapter + x$verse + x$vwords + x$vletters

tmpr <- rev(tmp)
cat("Head and tail of the representation numbers of verses after
ordering as rewriting:")

## Head and tail of the representation numbers of verses after
ordering as rewriting:

head(tmpr)

## [1] 136 144 139 127 126 133

tail(tmpr)

## [1] 29 29 20 18 25 25

tmpr <- paste0( tmpr, collapse = "")
print("Test if mod 19 is 0:")

## [1] "Test if mod 19 is 0:"

as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("The number of digits on this big number is", nchar(tmpr))

## The number of digits on this big number is 17790
```

As we see the remainder is 0 and thus is multiple of 19. It has a similar approach to Evidence 4.2.4.1 but using the second type of the text of the numbered verses and also sum operation to get the representation number of each verse.

In Evidence 4.2.4.1, we had witnessed that we could rewrite Quran by concatenating the 6348 representation numbers of each verse at the verse level. In this **key coding pattern** based evidence, Evidence 4.2.6, we also witnessed a similar rewriting coding, also in the second type of the text with 6236 verses.

At the verse level, we could also use the text type of 6348 verses and also with the chapter level data. Therefore, we have 4 trials and one success for this key coding pattern based evidence to add to the counters.

```
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  4
key_codings_success_nums <- key_codings_success_nums + 1
```

For the reference, to the best of my knowledge, Evidence 4.2.6 is also first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself.

You can access this "17790" digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/6.1.6_Evidence.txt

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Also, here is the "17790" digits length big number:

"1361441391271261331381421361281321361311251281361351331381321501501351
3331381351361291301301251281301291371241351301311431311351191281311321
3113812612913312712912912612612316712411113613112113212412012111812212
8121129126128134136125114110135128141129126128119118118117116134134143
1211221221221242101561861971581151291671251471261231241401281251301431
3212812313011912112211712312411611611712012812315212213111610811211711
7117117113112112112124124123119116119120122116110101124138138131125123
1281251281191301171141201141111161101171111091221511411191201181171221
1311411411311211010612614712816112512012911112211811611311611711712111
9107111110131134143140134139139164135136130132135130155164120125121121
1171291261111191161081061019713312913812812712812812812713611811711611
7115118111110113119119110108103107110124129122127120117125122114111116
1091341091081091051031071301131181141121151151191121131201081131151021
0810312012212612811512211511611711611417517414414212510810710710110210
5159126128128137122122118116116123116120108111123116115117136106108102
1031021491371531401481511361561341261471281341251251191141211311321201
3013513612411811210310911811798114115121971441251221181151161151111061
1011211311112311010410210410115013213111912912812712111512611911511411
0112113111110109107103108105104103102101102971451331431331351471301261
3613013212312212312012412512512912311911711511811311810610610710610510
6104981061059999106103979117014813914015114016013913612813613913713212
6134130132124137130135124113114110118119119119126112110112115110121102
1041011029998979695203158188172137143124125124126136129127131115120132

1201131191231231281191071131221101141091071061021001059894101969114914
5155143154141144155137143136139146133135130130125131134134136124149117
1231201211131191201151151121101111141011021041041031021029697969594931
5915814516015113812714213213616913215111712912013613014311613112213512
8125122124121118137128149145135136137127123130122122126124118114122122
1171131141101161121171131171071151201099711410294971031081081071019718
5142142151166138142149148138141141138140132127131130134142122126124122
1174121191151181181111201231131081021091061051041161051049910710510610
3102939692908785905001321231331261501351131081251221271131071171041079
9948916515613214415217514612512614212913813511914515113412913914512912
1135124111117118135185149144162138160111154115116119116125125102110136
1071141159917110310915810410213716716216215015213614413313512613313013
5138152124121127121111121120104112109110991069898112102961301009910189
9392132929391142136143144137143136133141133141143128122127128127129128
1311391151101141151181131491411051041081141391191381151041191111161171
1311898159108101979281771441931481671691411481361661741571551281661281
2812212913414814912812712913111012211412411312410410312198145102123102
9810195999893125898891949489147158168159136129130157148142156163123144
1341551151271261141271571411141141521231531331101741982241493141362021
7018321212813919826316411315118724913821516222928111614317512618412314
6149144222133158168135144125124141129179165178180157148193121128163182
1591811671231571951151101771272751241651591301441341522281911221051061
1617328418638419118014515813433713814333017818814518213713916713616013
2190129160227198233183269180137126136287114352122123164166154127123164
2101852391671922712751431622031721861501932013141712481491531692112962
0114414221915119022920012325715214915312710723110911310617317216216218
0172174167168167167176159162164163157156148148157154151162164152160165
1501381341561501371561611551451311381321291331291301371351281211591321
2711711211212711211010810510811010211010198969697113103112102101879795
1011029794868784838285979682797778717674166155163153157151149149141147
1461451411431281411341391431371361351571331591311311291241271151251251
2312513012014211812911612911413211218311010810812910611597103116101104
9997949697949698919196851048489828071706863136132128129137136126146126
1351241231411391191301111191431241201351071221341041091221231081201299
4112951071181011079098989411396901151051099684939494811351271311351371
2213412912112114611912512012012311612911611511511711011911410811611210
5103245173153134148136162989620093969493989192858485868586857478737476
7476691311511511401361441371341191261161391241261221211141231161171201
2011311210611511610717611210611694133959792878380827477737271676660149
1621431471401361291311621521381361281321361351401291341291321211311311

2211810810911511012112812610510612310912010195951019199113911048885857
4767876737470696867161139126131127120150155141155116113119110111122118
1201241279610110012910099112102112137111109869910687114831191219699871
0768122161146173206176222259122232922111521141031461721303801502232322
9216812413413517511117120221623513711316524718811488103191165165741267
3244125161152151146186136155127133122153151111114124128211153145102191
2781221281891131489991110777225614914891215177186161152174173164130242
1451631371341872221171472041612991121241491521751531781261061331851368
3501321261721541321771471501321411341591541681861361681041431311881481
1513413413410914611012470116159928582491231361331581261211291101191191
1812412010211110010212312911212712614310911995113111110114118989587921
0196959194107102104959489928880887210196837870896148164166175194204182
1761691631821491621661541461491491571981471461541511591661522021411591
4715416314212714014015314017913015115912815615411913012611613413114212
5128143112170211126118120110971181111411701221051311401041189710480160
1151161091149090789181826047166230192150168232178160237178121165127153
1161551391691221091451091351231501351541441301792121951691591081781221
4724020024512316112612714016111315694984846146186161161253144141223144
1762441541421302081931461851381291631389115818316514413313019012411916
7158129102911461651831721031611351331269892137138858466452121872052511
5519117127318916617219114314114916315816425520217222314315520317515318
0162212160118142148155179155145188160137146191158132191139124194126191
2091411061401221972531281531711051001382101379314011713013499120129129
1321141402029816410911377442082022261652951501972062091351801441701381
6117815315113716117415819816517314319314120817817814215021417511912826
1129147144114114144107891681021211361141372281582111591061371281331588
0907990166177203203219172122201967514714817016114314514714113914714514
0158182146137155150143149122120148154129137148150154145115119119117120
1171161311151161321181151391501371121361061121019911513712010712310410
8126145151217105231136176969782991109498819492791068511193107839688685
8242237246234233250232232229233228242229230233222222220227221220215220
2172522232112042092142122142222202092162102072092062022012021981952001
9019419419219219118518918818519219518418318418117818118118018118617720
8181171166163168162168180164163267157158165169173156154150154146160145
1401451461501531421421371411401411381381431431341391331351291301301341
4112713012612812312113011112611711811013111211811610210911510210698959
6981001051011011121209510093991139299938480819610492879175719579747165
1068267916780845655545116216219417116216616615714814814414716914716014
1162157169129125142125160124115122131126143138154136126128121199135137
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0212181861211189512011390108998179615656534020222921517917124019812720
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6242179169163184161177190189336176188176187257349222312178193169158144
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291951201412551532011831102233321341942212851311863951351071201031531 2
210421223916882103113155107951151491201111401601872211191361631912691 4
762711571173542541773473021274212672403322814452972282342252442502403 2
332825223823420232319728426735625120627621621921026020525122125634231 4
228176239299340214198186296188257287349187219210219242164166253166175 2
072202412851841721772112151791471912242334492242571531782561453043081 8
339128929824920216916218819725215521014517426133319824919217115613510 9
183961042041651961481551452192241891811751081561041101691041211412012 6
510212630112110011412614513423015327014417110310015674104105351255346 1
068512421515213110414886114403357909995121233104801501041592713533072 3
723542926931125131526123929731032131025433423130133536427224528824325 6
270259232270239261354225261299206231253256313196227353268523287361257 1
852292112562582712812092181832721921762072242652212021691662082091881 8
221421220018319418423227727724121416721618930217324916717116320718719 1
297172195187199164224151156152219166209169146137146190153242162121263 1
632302302231242581192231711371211391501451641542281001342039512410013 0
132221931111619615228491152891601489111814412315410821317212271959311 0
155133171137146961071278613017115511180801491661616796957280253725699 7
036853343241745596435234837034838533450837243941438234435235142445141 7
479320380384449577472401384496365515304402344551394457519332293379282 2
833853212924143744843835874144813764704472652953063063223734443663703 0
852333634337347832730730127229326927228028833324727432326233635056127 7
325275224348264338294540282416341261255250275229381496250249327293251 2
572832322552882373213962092102402302722732102132352192191922573212342 4
418323530932638625421229921818723730421520527622117522422822320828026 4
228210194208265177247177188181259287189203205267201185188230184166486 2
141561551671892251501802531562422262251462551643671722641461501962071 3
612420217325414312919415116017317212213313315019638020815617516795132 2
049992118112153138119941021119394140125102125931431361121599411817112 0
103131222206105123146881491264510886581051115067757068746648706038761 2
92920182525”

4.2.6.1 Fact: Even Odd on rewriting with the total numbers based key coding pattern at verse level

When we test the even and odd coding pattern of the previous evidence of Chapter 4.2.6 by classifying the verses as even and odd **with respect to chapters**, we again observe that it also exist over the full text of Quran considering 6348 numbered verses as presented below.

Considering all the 6348 verses of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below:

> . . . . . [Chapter 1 + Verse 1 in Chapter 1 + Total Words in Verse 1 of Chapter 1 + Total Letters in Verse 1 of Chapter 1] [Chapter 2 + Verse 1 in Chapter 2 + Total Words in Verse 1 of Chapter 2 + Total Letters in Verse 1 of Chapter 22]

Here the "+" symbol stands for the sum operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

> . . . . [1 + 1 + 4 + 19] [1 + 1 + 4 + 19]

And, the final number after all the concatenation would look like this:

> 25 25
>
> 2525

Note that, here, 25 represents the Basmala verses at the beginning of each chapter. Since the even and odd numbers are in different length, I did not provide the tail of it, which look like the head of the number as it is reversed like in the rewriting coding pattern.

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the sum of the 4 different descriptor numbers first and then test this big number.

```
x <- unQuran # all 6348 verses, verse level data as input

ev <- which((x$chapter %% 2) == 0)
ev <- x$chapter[ev] + x$verse[ev] + x$vwords[ev] + x$vletters[ev]

od <- which((x$chapter %% 2) != 0)
od <- x$chapter[od] + x$verse[od] + x$vwords[od] + x$vletters[od]

tmp <- paste0(ev,od) #pair even and odd numbers

tmpr <- rev(tmp)
tmpr <- paste0(tmpr, collapse = "")
#Test if mod 19 is 0
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0
```

Also, here is the “18547” digits length big number of the fact code 4.2.6.1:

“1362611443541392251272611262991332061372311362531312561253131281961352271503531502681355231332871303611252571281851312291432111312561352581192711292811262091292181331831272721291921291761262071262241232651272211362021311691211661322081242091201881211821182141252121352001281831411941291841262321282771192771182411182141171671162161231892103021561731862491971671581711151631292071671871211911402971281721251951301871431991321641282241231511301561191521212191221661172091231691241461161371161461171901201531192421171621171211172631171631132301122301122231121241172581241191382231381711311371251211231391281501251451281641191541302281171001141341202031149511112411610011013011713211122110993115111126161147961281521612841259112015212989111160122148118911161181131441161231171541171081212131191721071221117111095113931331101291551381331281711271371281461289612810712712713686118130117171111615511711111580118801111491101661131611196711996110951087210380107253110721115613099113701183611481122611561115291192911220113181202510825113138115142102136108128103132109136159136126135128133128138137132122134122133118138116135116136123129116130120132108130111129123137116124115135117130136131106130108128102131103132102131107138144128125167122124118111115126116122115128111211061291101261121281131341111361231251101141041101021241041341011341051431451211331221431221331221351241471221301251261471361261301231321241231201221281231231201521241221251311251161291081231121191181171241151241181211811611061191061201071221061161051101061011041169812210615110514199119991201061181031179712291113103114203114158113188112172110137106143114124131125134124143126140136134129139127139131164115135120136132130120132113135119130123155123164128120119125107121113121122117110129114126109111107119106116102108100106105101989794112101124961299112210112715912015811714512516012215111413811112711614210913213413610916910813210915110511710312910712011013612013012214312611612813111512212213511511281162511712211612411412117511817413714412814299125185108142107142107151101166102138105142108149149148137138153141140141148138151140136132156127134131126130147134128142134122125126125124119122114117121411211311191321151201181301181351111361201241231181131121081031021091091181061171059810411411611510512110497991061071501051321061311031191021299312896127921219011587126851199011597114165110156112132113144111152110175109146107125103126108142105129104138103135102119101145102151971341041291701391481451391291401211511351401241601111391171361181281351369513916713716213216212615013415213013613214412413313713513012613513312413011313511413811015211812411912111912711912112611111212111012011210410

151121101091211101029910410610198102989911298102979696130951001029914910114589155931439215413214192144931559113793143144136193139148146167133169135141130148130136125166131174134157134155136128124166149128117128123122120129121134113148119149120128115127115129112131110110111122114114101124102113104124104104103103102121102989614597102961239510294989310110095149991459813593136125137891278812391130941229412289126911241741181981142241221491223141171361132021141701101831162121121281171391138911711610714311517512012610918497123114146102149941449722210313310815810816810713510114497125981245001411328712318213315912618115016713512311315710819512511512211012717711312710785117173104284107186993849419189180961451851581491341443371621381381431603301118315435211512211612311916411616612515412512710212311016413621010718511423911516799192171271103275109143158162104203102172137186941501428113617314317214416213716214318013617213317414116713316814116714316712817612215912716212816412716312915712815613114813914811515711015411415111516211816411315214916014116510515010413810813411415613915011913713815611516110415511914511113111613811713211312911813398129159130108137101135971289212181159771329212714711715811216811215912713611212911013010815710514810814211015610216311012310114498134961559611597127113126103114112127102157101141871149711495152101123102153971339411086908719884263831648211385151971879624982138792157716278229712817688741297917913616513217812818012915713714813619312612114612812616313586124275123124141165139159119130130144111134119152143228124191120122135105107106122116134841041781091881221451231821081371201391291679413611216095132107190118129101160107227901989823398183942691131809613790126115136105287109114968284193932019431494171812487714913115315116915121114029613620114414413714213421911915112619011622913920012412312625712215212114911415312312711610711723112010912011311310611280106166115155116163107153176157112151106149116149941411331479514697145921418714383128801418213474139771437313772136711356715766133601597513116113113912912612413112712711512012515012515512314112515513011612011314211911811012911111612212911811412013212411212718396110101108100108129129100106991151129710210311211613710111110410999869799941069687971149483961199812191969199968785107104688473893808215080223712327029268168631247813413513512717513111113517113720212221613423512913712111312116514624711918812511412088120103123191116165129165116741151261157311771110215119177114186108161116152112174105173103164245130173242153145134163148137136134162187982229611720014793204961619429993112981249114992152851758415385178861268510686133851857413678837350746976123741367613369158761261491211621291431101471191401191361181291241311201621021521111381001361021281231321291361121351271401261291431341091291191329512111 3

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5250166232126232194229132233116228136242261229150230240233115222100222
1282201212271172211032201372151642201752171462521092231592111512049420
9141214143212184214153222180220108209110216177210124207118209122206962
0298201192202122198119195572009319011619497194151192145192113191118185
1281891181881111851681921221958918410818311518412818112417812718113518
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8012916418316313826719215715215818916515216913917313115617015412615022
1154182146176160137145122140145145143146153150177153178142156142139137
1431411181401041411521381181381181431741431351341981391541339513513612
9160130131130132134154141101127123130951268112811512397121751309511173
1268111711311822311015813191112891187611692102721094311535102531061989

819195188961989820510019210524910119110119411220612023695236100242931 9
099150113176922089919693171841328016881148961361041329216987193911387 5
181711699518979176742077114765172106159821516712291114671938013984208 5
617955171541725113760162202128229122215129179131171203240152198154127 1
532051331611031391851251521381601871931471301101941561131581851781179 5
186140105119101741431351997613477907910322522975101801231081201488619 1
122202122195112177149137101159104117136112781185393331455112436416027 8
582802142742152761772701522781902671462641542631662671392751332751732 6
215028213426119926421325817025516726816626224425713725445024919525125 6
255412263208255151256121252114267124243120237154247942391172421562431 4
625316826631423818525932125613723821324416626014223214924214025715622 5
134222152229148228145227149237158236136215178219242217133220154220121 2
371162441212181772411162098620613521816220891211137235211206192220192 2
216822990206109211562011921962172061771961491871351981822221111901571 8
710720013618692192133219134180160186192207106190119172135178154187187 1
771381801131821311801102041731728316986181121167127174771849116853179 5
619336164541871541621791631841711371681741681731561981861551541671511 5
416311815319015612116613416115314112714415914819114715915015714515114 0
142145184154212146184138128137122141126139177134221142150138160139112 1
411561471011291251261751281441251451329212418412812813416112011112319 8
131149125125118127120901301401101081191121091911591141149013312810211 4
112145101831071901008899148103118109871219113186110991928189349752921 8
211019512719810218299167130204105198921929315383181103163104195931789 1
163881418714780129100162102149901408014876140991357513888145104154771 4
784151921636818881192811756919882218641475712276130611567114083128781 1
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241145137136123290137203148170109131135176125157122108861319915698128 1
132068912288245128108145169103205110184102134103167176129150310961321 3
932212615611048384135130140841611311557116510510911510468128851938623 0
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077150128115831481411211181611741508514547159343173174148149140153110 1
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161114158152154121123150175104128108149144157119186111165118207103122 1
411211161111061261131438818811314210412896879010995165108245150116161 1
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180949386165111108142621197179127482211771632218519214418612518086178 9
616615917876184107207881588416887174359170811618118313216173177452042 1
616025214321915322316424415225514919314223215320921819214418113920317 3
231136171150221135206144166165167153199132187160182139216159209156185 1
511751541781431851251971411531851444145164126183143156115166139158123 15

913117614716914624912419413813710820510913511214811315711319510116512 4
168116197138238132150108146991291151461131831151901711231001439618412 0
157901518614911416811218782232109135961641921151241118414785136971361 2
816322011773155881091771201261527011912511092124111122110166911186697 6
110816291641137017569100511106210264876710181765322551174528451814182 4
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283120148171159126190123156165222133153126131131172116139137125961691 0
314314613311511810511211213210014612212514918611414112313983140931281 1
417014922372184108175761407213211014810514191205792178114565128921446 9
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619311120913215912219111319812624012718410318010120411618711620111416 6
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1184116161120177165190169189190336178176881881361761531872362571493497
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0322992471132702032611162451592691282611552511833272092791372681622391
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2811812517619663192732687131290214291964212542672332401983322542811944
4524629722722825523421522515924418025022624014432315232814725215523815
6234176202189323173197148284177267139356159251154206157276147216144219
1602101952601542051972511592212332562053421603141522281531762062392022
9917334018021417119813718616229629718821025719628722434928618713921913
3210156219145242153164164166124253166166128175201207219220247241158285
2101841651722161771122111242151451791451471561911422241242331184491082
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1249129202158169110162189188236197134252100155174210122145246174238261
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1165961961871485915515714511321991224105189661814217547108831569310410
7110761698310469121471415520170265641028112672301131213010017811425012

6181145259134319230207153238270199144225171190103459100188156234742661
0437610521635123325521434615010623285194124160215149152248131207104347
1482278623811418240320835719390344991579517912113823317110416880198150
2411041711591822713653317143219641715545520396412735219934825037017334
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4511294171954791203201413802553841534492015771834721104012233843324961
3436519451522130428540213134418655139539413545710751912033210329315337
9122282104283212385239321168292824141033741134841553831075879541411548
1149376120470111447140265160295187306221306119322136373163444191366269
3701473086252371336157343117373354478254327177307347301302272127293282
6927127235328030728823733323524742927426932331126225133631535026156123
9277297325310275321224310348254264334338231294301540335282364416272341
2452612882552432502562752702292593812324962702502392492613273542932252
5126125729928320623223125525328825623731332119639622720935321026824052
3230287272361273257210185213229235211219256219258192271257281321209234
2182441831832722351923091763262073862242542652122212992022181691871662
3720830420921518820518227621422121217520022418322819422318420823228027
7264277228241210214194167208216265189177302247173177249188167181171259
1632872071891872031912052972671722011951851871881992301641842241661514
8615621415215621915516616720918916922514615013718014625319015615324224
2226162225121146263255163164230367230172223264124146258150119196223207
1711361371241212021391731502541451431641291541942281511001601341732031
7295122124133100133130150132196221380932081111561611759616715295284132
9120415299899216011814811291153118138144119123941541021081112139317294
1221407112595102931251109315514313313617111213715914694961181071711271
2086103130131171222155206111105801238014614988166149161126674596108958
6725880105253111725056679975707036688742666614829702960203818725252 5”

4.2.7 Rewriting the full text with general verse index and digit sum

The key coding pattern for this evidence code is again the verse 83:20.

> 83:20 A numbered book it is. (Quran, Y.N Öztürk, kuranmeali.com)

We naturally ask the question as how it is numbered. This verse should show it. It turned out it shows it in many ways. This verse has 2 words and 9 letters. Considering all the 6348 verses, its general verse index is 5949 Here is the key coding pattern over it:

> [5949 | 2 | 9]
>
> Digit sum of 594929 = 38 = 19x2

I discovered that, the same key coding pattern also exist over the full text of Quran considering again all the 6348 verses.

Also, in the next sub-chapter (Chapter 4.2.9), you can see that the same exact coding pattern also exist in the full text of Quran without digit sum operation. It is presented as a **fact** currently regarding the key coding pattern rules I described. But it has potential to be classified as evidence in case of a new discovery in the future.

Coming back to current code, considering all the 6348 verse of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below. Below "DS" means digital sum operation:

> DS[Last General Verse index, 6348 | Total Words in the Verse | Total Letters in the Verse] DS[General Verse index 6347 | Total Words in in the Verse | Total Letters in the Verse] . . . . . DS[General Verse index 2 | Total Words in the Verse | Total Letters in the Verse] DS[General Verse index 1 | Total Words in the Verse | Total Letters in the Verse]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

> [6348 | 3 | 13] [6347 | 5 | 20] . . . . . [2 | 4 | 18] [1 | 4 | 19]

Then, the final number after all the concatenation would look like this:

> DS[6348313] DS[6347520] . . . . . DS[2418] DS[1419]
>
> 28 27 . . . . . 15 15
>
> 2827 1515

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the 4 different descriptor numbers first and then test this big number.

```
x<- data.table(unQuran)
tmp <- paste0(x$VerseI ,x$vwords, x$vletters)
head(tmp)

## [1] "1419" "2418" "3212" "4312" "5419" "6319"

print("Digit sum of each verse representation numbers:")

## [1] "Digit sum of each verse representation numbers:"
```

```r
tmp <- sapply(tmp, digitsum)
head(tmp)

## 1419 2418 3212 4312 5419 6319
##   15   15    8   10   19   19

#Revert the order from right to left as in Arabic.
tmpr <- rev(tmp)
head(tmpr)

## 6348313 6347520 6346417  634528  634428 6343414
##      28      27      31      28      27      25

tmpr <- paste0(tmpr, collapse = '')
cat(as.numeric(as.bigz(tmpr) %% 19))# "0"

## 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 12693
```

Since the key coding pattern from verse 83:20 is using the general verse index from the 6348 verses, as per the rule, I need to test on all the 6348 verses of the full text. However it also exists if we use the numbered 6236 verses. This means we have two trials and one success to add to the counters.

```r
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  2
key_codings_success_nums <- key_codings_success_nums + 1
```

You can access the “12693” digits length big number from the following:

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Here is the “12693” digits length big number:

“2827312827252925203233283228232620272331293428302525282620343132252628231821242524231921252625252235283832352735333221333731333330302731323430362933232526222329363128302926282527343228333326302724262625252423302424242030303023302929323422242931302933212719242522192428262217241324252026271919202322323638353529302531223131312726262631272735312831322528222228332929312523282528193026232923202519262027332536262223212016252626252422182618212935262130212319171426272722201721202311232320231911”

9262416193033372635273228282436332735322422262228322828272627272726262
6252425232619182127362725202427282227202527243229211823162325242521192
3262021172220232327202119162132192520261517212310261920212018252412194
7393838323336393832434343373733313138314432353840393242303235363540373
4322836304244403235343131312538363738353632333024363633333231293027213
9403936322930292520333536343733272527243735353422323130241847403635313
3343231303733383534333231322743423040303235273233363829282926303131263
8343230332833303022302930283130292323303630333639352627292738353233322
6242822213528293335312927192432333333312624262924443436333431302928274
3504144373835252625363739373234303330233833333838263232292437353430283
3262229242838363233303228313333303235332931262621363030322936222825262
7333429292624252824252727262525192019183534413332374334392843423743424
3363030374035354141273835323440373829363733323325332936282832302429283
7322829253127232823313035333029262721273232312530312619192834242826252
4272724262722262529281721191739463228313133333626393331282726292726213
8363734332427232127343037513434352825283337363338332728242737322734303
0332726312935362530303629282535393128303127253027373632312226262924203
6242528252525201927344142354430364031293739413636333528362536363431363
0262531283130313023312829272526263130243128272917302933293028302721192
9312830272627262822253031302322252418222627302525261716201733313227252
2232820253937443831273129253140353527292835322625444233353333272530353
6333234362427282927382726352123252825213327313025302120232635303222333
4252922233232263129252818302638372529322525252716372630283734242133173
8423739363833403333363838373439312633293930444044373336312829453731313
9293728233741362933332424223034383337413331242529332831362934282622213
9342427282921252032334220272832262221263329373822322316261346364033374
1302942383932303138273127313237393627233729313131294540343531272332263
7364133382933312832273331363134282621294138332532302520312329281818271
9212324142332242720192221131322282527201725211512263933293035292823213
3303430312927292233332827222228222018152729212920262424162331313029242
5232021163123242120192225241925232417222025252322302528262618242322182
9232720252023132125282726262419221020204538434237404238333645435141393
9333737284338413539373436283436384031363435332931382928353036303531324
0393840293827263533404232313736323828343734303435293223243334373931372
9282824343529363530352332242438433931353932262933343441323833333629333
8373739323236302934363441413929344039293650333634332931322533343534353
4232722233432342734312424312744373428352530332631393232343529293130243
3343440303334212422423741373436283127263439293238343837323439413438374
1393135303843413732353334343439383036313340382627443941313425313029343
0343633332224262421312726252431283329253932353126312825312232343032272

1262221233938424142403239342945353531313335383528343934464040373435363
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9392927283535333333322731262726323034322831232729343528273330272521294
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3332636273223243127293520302630272520243222313121272314231232443233393
8283031254341403539282526313135343033373234343328403628362931353126273
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8353635353531283529373729312730302731303127233335363428282938383429353
4323130242638363232323119282241312630362829283129273437243328393123273
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9231529223432182920242523141746384545332830302930413640353630303033244
1402638283232172734373436313032323524243332362331242226232729333635232
8213431313130313726173318272430303323233027192512262729192122261722292
3332224282120202716383630363229302525252729323029272222282828373234312
2203018202830232727241919262026253124253227243023283027243019172428292
5233126262724182323273123241826192116173028242421202016191424222124231
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3282530243033353430282927312636343025263125202526303331312630292127184
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4333436293636332431262720312530313533352828332822444134414729353831363
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7303540313133373832362821253642343738362931323125343732272940362926253
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4383437362430252822313635382819282321264338402333193022272836232731383
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4222725233022313634302829282628312727363025262723373230332439223019222
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8352833372229252624343232293628292128213322243336292826231527263232242

4241925163045383637324130343133424232333033383427253427313427213134283
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3301719193327243226322722182935252421212524212423273520272820212222294
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1423236363830283133352532343232332732185144434345283140353847424043373
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8293836392932272931363430302927342731273333303631242923262137353121283
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4221918203429272619272614232129292522292420182413273325302213182720213
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2393333303734373133384030343636363445312937323130313634393034373632353
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2282826303939343235373235282639383536323431273130344234293832332836284
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1353627223237303233292634192230373333283224293228363532363224253116282
8362434243020212418312030212926231514124640343740413031283036384337423
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1332823233834392236252225232527333129222528192119333222312123202326282
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0212528252537362932252126183237252630273729232429273529342626242730233
5273324242725242621252126272517191924283231283023292417312234232128292
5262219133942363729253830292632352938293124242027273938242720202423223
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7252316332434263430282626191735293325332124201817282430282920212220202
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3834413835413832263841404133363332242844383132312933313027423535362833
3329182531393823323124172528322827341923242222214245403842414437402848
4639293839363937323827403036372937403037403439384031252328373138343435
2534322735383331363030302926353732312929302735173531342627373425332330
2326302831332329273733342219272822282436323340413427273036423842393830
3837383436382836352734273434384331333130333124373238353836294021292740
4330393640412628313029393328352429232632354129322322272828342535342637
2928232438342525252630242531373445254132343627344039393137322828333841
3135433439303130214144374227242425313032373328332832232030384132213327
2732223238373332272929263122332132232032312227272732262825281924193130
2825213723231826233241412924313734312636373443393731333232333527343633
3333302742363334362129303622373534273224162824272926312028302737272437
2825303334322924244233282536262021332737312831322320201920394930242420

2832292339383933322432253237393630223136313528353332373524353324312235
4038294027312531223330283235202924332941303236272617352832332424252425
2722211727262926232421242927242527262929202929183131272419182214222033
4032373832243920253043353329243333322239313533322727292928332940243526
2823242334323027272923261918253430283036233021202632232228232228232730
2725243329222424193023183522242521121826302628272221321315402931213044
3327293434303430402537362224373534332534273520263941433729213429262230
3526223130322925182831302824202220352428223530282224242219363025263427
1619251825282629231725241519283225181427221620143036293942363523242731
3837363431212729233837223633272133262730292636272125181818383033342725
1826322629262622362223222120283227312516182727202519211921231613142429
3121272923291919243118172024152124169323433263626312527173031242531193
5262318383131262529222221223534362829202121241725193336262827181819383
2183218322519121925242719203023212126222033242420192127201918222017181
8132117132224191910815 15”

4.2.8 Rewriting with general verse index, digit sum and letters per word

The key coding pattern for this evidence code is again the verse 83:20.

> 83:20 A numbered book it is. (Quran, Y.N Öztürk, kuranmeali.com)

We naturally ask the question as how it is numbered. This verse should show it. It turned out it shows it in many ways. This verse has 2 words and 9 letters. The first word has 4 and second word has 5 letters. Instead of total number of letters, we place the number of letters per word in the same place we see on the text. Considering all the 6348 verses, its general verse index is 5949 Here is the key coding pattern over it:

> [5949 | 2 | 5 | 4]
>
> Digit sum of 5949254 = 38 = 19x2

I discovered that, the same key coding pattern also exist over the full text of Quran considering again all the 6348 verses.

Coming back to current code, considering all the 6348 verse of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below. Below “DS” means digital sum operation:

> DS[Last General Verse index, 6348 | Total Words in the Verse | Number of Letters per word in the Verse] DS[General Verse index 6347 | Total Words in in the Verse | Number of Letters per word in the Verse] . . . . . DS[General Verse index 2 | Total

Words in the Verse | Number of Letters per word in the Verse] DS[General Verse index 1 | Total Words in the Verse | Number of Letters per word in the Verse]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

[6348 | 3 | 6 5 2] [6347 | 5 | 5 4 2 5 4] . . . . . [2 | 4 | 8 2 3 5] [1 | 4 | 6 6 4 3]

Then, the final number after all the concatenation would look like this:

DS[63483652] DS[6347554254] . . . . . DS[248235] DS[146643]

37 45 . . . . . 24 24

3745 2424

Here is the proof with a reproducible R code that rewrites, namely decodes, the full text of Quran by the 4 different descriptor numbers first and then test this big number.

```
x<- data.table(unQuran)
tmpwr <- c()
for(j in 1:nrow(x)){
  word<-unlist(str_split(x$text[j]," "))
  tmpwr <- c(tmpwr,paste0( rev(sapply(word, nchar) ), collapse = "") )
}

tmp <- paste0(x$VerseI ,x$vwords, tmpwr)
head(tmp)

## [1] "146643" "248235" "3266"   "43534"  "546544" "63865"

print("Digit sum of each verse representation numbers:")

## [1] "Digit sum of each verse representation numbers:"

tmp <- sapply(tmp, digitsum)
head(tmp)

## 146643 248235   3266  43534 546544  63865
##     24     24     17     19     28     28

#Revert the order from right to left as in Arabic.
tmpr <- rev(tmp)
head(tmpr)
```

```
##   63483652 6347554254  634646722    6345253    6344253  634345342
##         37         45         40         28         27         34

tmpr <- paste0(tmpr, collapse = '')
cat(as.numeric(as.bigz(tmpr) %% 19))# "0"

## 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 13944
```

Since the key coding pattern from verse 83:20 is using the general verse index from the 6348 verses, as per the rule, I need to test on all the 6348 verses of the full text. This means we have one trial and one success to add to the counters.

```
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  1
key_codings_success_nums <- key_codings_success_nums + 1
```

You can access the “13944” digits length big number from the following:

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Here is the “13944” digits length big number:

“3745402827343834384133374137322629363240384337395252373529434041343537322730333433412839343534433153374741444544514130424640424239393640774330454742324335313238453137303835374345433228424235483633353434333239424251293939394139101658697583347763938603936373343312833463531263322333429353628282932315045744453383034403140404036353535403636444037404143373122373347474034323734372848353238322934283529364234635331323029343435353433312735274838713530392132282623353636403826302932203241383237376233342848514662713641373733545136444133312622374137463635363636354435343334323528273036453634293336373136294336334138302732255034333430283235382126312932323629303725304128342935242630321935282930292779784855654847474142454874415252614646424040474053414456494850693941444544495543594654575171494153434940403438455556445459604842453642515031474854304867484541383938342942444543554236343633466244433141403933275649454440424341403946424744434241404136525139493941533632424547383738353940404447434139423742303031393839373139383232394539334566443536473665444133414442373139444638514449382728244142424249353335383362434542434039383736521046889734753343534455548465034395139324751515647354150384246444339 3

7423531383337474541513950374051424841445138403535304548485038633137343
5364243383835333437243436363534342829282744435069686479705746706064886
0794557486467715368596365625961676474654555514142434238453737413933293
7464137383440364137414048534230473527303650504943394062282837613337444
3333636333536313534384626302826392894137404033424535393340373635473635
3047454643423336323027343946366615262557064514663606551455542454641364
3756651546285655354615757634764706266677366586352485464724194585371566
9297242434643525229376352596044107485494494782487772726062465443544552
4954576243404649394948324037382734353549393367373638263938693839373936
3037474046393644364446313439403941404351272235363934616226252935694968
4534494146474357469856494540292540498953636546534162707169427142423643
4862635150525433453747365636355330683455343042364039345730293235443941
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1662136213711411814772834212117796639211917279147941521953857751076711
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8295712387580249381001106710459618958100721216910015812915512319112086
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3510911722196164747885127203126787614485115145125571739592967059156615
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1385762564632394239433940474538316951463631314631292724363830382926242
4254140493938243432383934403233302928314342283432332631293443324039433
7353527333231273823362934383231305237633535332831192929545661517349604
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3735304548444041585747674756454462604960414973545065375273434861624759
5933514355664955384646426153477262665341505151565248404448503547424343
6841474242453851474646484150453947434543158104846579769338451314245434
2474041344243444344433236313243414336434960605854716461465343665153495
7505952535656494842606152112575161396940605550464345374036354339383247
6174555952575052746459574953576570596459625161615257474854496067654445
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7646434940506157595457354039595756695969855966435672537149767862655364
4348701099412114511515218079171581591097169103120874728187151160202105
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8947311553569576549072113703761586589656410779566510177511015861113541
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5711594946775130100535316854726957577850321024555704880153921369349807
1761014151405110912013713715311592153665441383952523445474139474540497
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1404035393839363659595055495145464650665255515348465536515152446546525
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6274565943418256527270804954807763797267766758563833333017451251431381
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1035792108851245712016210311310714511212974246878289132926812568891851
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0712017627719013712020510122458147982601301842378656124455513984641591
2822013730515922613021519246677878941362071381428926810811513623299889
1628359627078114467311361126131306761157432156811461113129020614078727
6101641892867675144110779210967901147213820453548474107108635779636345
1101568797458814416121298741438049991487767129835595999479133126998165
8812757118576861121149699294138907477110735532110354536587114577814254
1401331326216280256881626275112123615811898161685411985949897656767841
2127814299109110477513851447064105907155636354551018663865410497731115
5881329073921741587584107671191053387654684903855635856625445585735133
160282819172424”

4.2.9 Rewrite the full text of Quran regarding general verse indexes

> “15:87 Surely, We have given you the seven pairs with the great Quran.” (Quran, B. Saglam, kuranmeali.com)

Since the beginning of the main chapter, Chapter 4, I have been presenting key coding pattern based evidences. Until this chapter, we have seen many key coding pair based evidence codes we have witnessed. Then, I thought, could 7 of those pairs of codes be referred by the verse 15:87? It is just an hypothesis after witnessing miraculous key coding based evidences.

For the verse, I will use a Turkish translation and then translate the Turkish translation of the verse to English myself. This is because, I find the direct English translations does not directly translate the direct meaning of the word “al-Mathani” as “pair” but translate that as “repeated”, which may be an alternative translation. They might have done so as the “pair” might seem less meaningful to them. However, I had seen some Turkish translations who directly translated the verse. Let me first present the verse about the “the seven pairs” in the original Turkish translation from the author and then translate it to English myself.

Turkish original translation from the author:

> 15:87 Andolsun! Biz sana yedi ikili ile büyük Kur'anı verdik. (Kuran, B.Saglam, kuranmeali.com)

My English translation of this verse:

> "15:87 Surely, We have given you the seven pairs with the great Quran." (Quran, B. Saglam, kuranmeali.com)

The scholars are not fully agreeing about the meaning of this verse but they mostly think that it refers to the first chapter of Quran with the 7 verses, which is Al-Fatiha. It might be true but I suggest the scholars to also consider 7 pairs from the 19 based codes I discovered and presented in this main chapter so far under Chapter 4.

After these thoughts, I discovered another potential key coding pattern in the exact verse that mentions the "the seven pairs".

The verse 15:87 has the general verse index 1902 considering all the 6348 verse of Quran. Namely, it is the 1902th verse when counted from the first verse. It has 7 words and 36 letters. When concatenated we observe a key coding number as it is multiple of 19 as follows:

> 1902 | 7 | 36 is concatenated
>
> 1902736 /19 = 100144

When I test this key coding pattern over the full text of Quran considering the 6348 verses, I discovered that is it also multiple of 19, which I will present below in more detail.

In Evidence 4.2.4.1, I had used the 4 main descriptors numbers to rewrite the full text of Quran. It was the natural way of rewriting the full text by the 4 main descriptive numbers. However, we can also refer to each verse by their general verse index that we assign from 1 to 6348 to the full text. If we use only use these general verse indexes and refer to each verse, we can similarly rewrite the full text of Quran by the number of words and letters per verse in natural order. As you will see in the following, I will use this key coding pattern and rewrite, the full text of Quran regarding the total number of verses 6348.

As we know, Quran is written from right to left and I again follow this same pattern while rewriting the text by the descriptive numbers. As per the rules, whenever we have letters information as have to use rewriting code pattern if we are testing a single text. This represents the rewriting of the whole text of Quran with respect to number of words and letters per general verse index and supports the hypothesis that there is no redundant or missing words or letters in each verse and their orders are also correct.

Considering all the 6348 verse of Quran, here is the illustration of the coding pattern of the big coding representation number as shown below:

> [Last General Verse index, 6348 | Total Words in the Verse | Total Letters in the Verse] [General Verse index, 6347 | Total Words in the Verse | Total Letters in the Verse] . . . . . [General Verse index, 2 | Total Words in the Verse | Total Letters in the Verse] [General Verse index, 1 | Total Words in the Verse | Total Letters in the Verse]

Here the "|" symbol stands for the concatenation operation of the numbers of its both sides. The neighboring brackets also concatenated.

If we use the real numbers in the above formula, it would be like this:

> [6348 | 3 | 13] [6347 | 5 | 20] . . . . . [2 | 4 | 18] [1 | 4 | 19]

And, the final number after all the concatenation would look like this:

> 6348313 6347520 . . . . . 2418 1419
>
> 63483136347520 24181419

As you may have noted that, the exact coding pattern was observed with additional digit sum operation in the 83:20 verse based evidence, Evidence 4.2.7. Therefore, I placed thhis code uunder that chapter as a fact as they are strongly related.

In the following proof, I demonstrate that this hypothesis for the case of 6348, which represents the total general verse indexes of the full text of Quran.

```
#Verse index (VerseI)  as descriptor
x<- data.table(unQuran)
tmp <- paste0(x$VerseI,x$vwords,x$vletters)
head(tmp)

## [1] "1419" "2418" "3212" "4312" "5419" "6319"

tmpr <- rev(tmp) ## matches the coding from right to left as in
Arabic.
head(tmpr)

## [1] "6348313" "6347520" "6346417" "634528"  "634428"  "6343414"

tmpr <- paste0(tmpr, collapse = '')
cat(as.numeric(as.bigz(tmpr) %% 19))

## 0
```

```r
cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 47284
```

In Evidence 4.2.4.1, we had witnessed that we could rewrite Quran by concatenating the 6348 representation numbers of each verse at the verse level. In this potentially **key coding pattern** based code of Chapter 4.2.9, we also witnessed a similar rewriting coding, but using the general verse indexes in all the same 6348 verses.

For the reference, to the best of my knowledge, Code 4.2.9 is also first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself.

```r
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  1
key_codings_success_nums <- key_codings_success_nums + 1
```

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Also, here is the "47284" digits length big number:

"634831363475206346417634528634428634341463424196341515634052063395156
338496337414633641963355156334412633329633241163314196330515632931763 2
841563276196326515632541963247306323731632251963214196320414631951963 1
851763175196316414631541663144196313415631231263113166310419630921463 0
831363075206306211630552063044176303419630241963017266300418629942362 9
821062974196296315629541862944206293519629272562914196290310628931462 8
841862873146286416628541762844156283416628241462814196280952627941562 7
816627741962765216275418627421162735206272414627131262703146269213626 8
419626728626641362652962644166263414626241762614246260526625941762582 9
625717625641962555196254414625372562524176251415625041862493116248311 6
247213624621362452136244419624362162426226241632624041362393166238416 6
237318623642062354196234218362339426232166662311678623011456229311622 8
623622712566226419622551862249376223620622251962215216220419621952062 1
821262172106216315621562662145176213415621231262115186210310620931362 0
841462073116206417620551862043136203314620241562015186200419619942161 9
841761979426196418619562661943156193296192214619141961903126189313618 8
413618741461863126185312618431361834136182419618141661804176179417617 8
315617731361764166175418617452061735156172312617116617041961692961685 2
161676216166417616521461643126163417616231661614196160312615962161582 1
361572116156416615521361542116153415615231161514186150314614931361484 1
961473136146739614573061443136143315614241361414136140320613931261383 1
461373156136315613531561343146133212613241961313136130632612931761289 4

5612741561263126125619612426612341661223146121214612021261194146118515
6117417611662061155206114311611341561124156111419611021061093136108521
6107420610641561055206104521610394361025196101620610041760994206098523
6097519609610406095114960943146093518609231760914176090315608952660886
2360873126086618608561660843126083212608228608116608041960794156078313
6077422607641360753146074415607341660724176071417607062560692126068212
6067212606631360653126064415606331060622116061314606061860596196058413
6057313605621060553146054417605341960523156051519605031560494206048414
6047412604661960454196044214604331160424166041212604093160393136038313
6037315603631260353116034415603341960324236031296030314602931160283106
0273146026315602561760243146023415602252260214126020418601961960182116
0174166016214601541960143106013412601241760115196010210600941660083116
0073136006315600541460044136003146560021465600110406000940599962759984
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9176175916418591572859145185913315591231459113175910315590941959088325
9075185906518590521059045185903518590241959013155900310589961958984155
8973135896313589521158943135893414589231458913145890314588931358883105
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7063145705314570431557033105702213570121357002135699213569821356974195
6961042569511415694931569394756928405691729569052156899335688627568783
0568613595685729568494756834195682630568152356808375679634567810445677
5235676836567572956741040567373756727355671733567083556696355668732566
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4784364622100645144964414536431148642189264111456401885639165863819916
3736161636331376351471634628633207863229130631381636301462629124962810
4062732129626114362522102624291266234017862212456211773620166661920726
1821956177326167356152110961483661311436122067611208161026976093313560
8145460711466061350605197960421826031454602730601156760022945992010659
8622815972396596311225951040594126459327128592837591331725904017058916
7058860235587321625863616858528128584228858317615821557581227758022875
7930135578135657724101576124957518735743614357348204572209857131139570
2193569197556817635671149566728565189256432156362756227107561197756023
1055591665558167355715655563012555529132554251025532010055220955511138
5501880549103754811435472094546104054514545442069543291215423817754194

4540146453949205538146153712435361555535156853418855331578532321585312
2925304019252919885282710852712565261353525249952483452313605221461521
5826452042185519542655181763517114951617835153515751424106513209051214
7051122107510135550918795088829950771271506136350515715041370503199150
2371865011679500145849928115498168249729125496419495115749430121493218
5492730491729490431884891458488209548711454862110048511574849384832086
4822199481241084802399479125547828120477937476229547530122474361464731
7744721253471228747011544691564468177746715694661147465197846413544631
6744623315146194746020734592510745883245713534562168455187545430121453
7284521453451371574502189449752914482510644740166446198444562644413644
4310504421987441218844024994392710743812514371360436633435241054349414
3362943213544311570430231044291371428115542752942652742513624241661423
1245422943421176842015694191360418104741712574161149415218841428127413
3112541223984111877410940409158440814594073515240611484052311340411444
0311494021043401178140014653991470398341573971354396177439515693942077
3931350392259939110423901147389114438824993871556386249138514623841143
3839373829473811883380135237929126378146237772937633146375136737428120
3732912037227116371936370361443698343683211536717793661152365939364135
4363136636214613612075360167035932129358628357155435625114355725354154
7353732352115935113603503113234963034894634720863468343451980344451873
4353534223793417333402191339208133883733713603362080335176333420923331
5523323513833124109330186632972732811483271147326146232526963242279323
2711332221863212592320155331915653182081317115031618883152612231426107
3131872312654311115031024107309241253082911630794330614683051666304134
7303155430246197301135030011372991874298115329772429613295419294491962
9327118292281032913213829012955128915542881452287177228614542851987284
1145283451862821779281301342802811227920892781557277166527613682753012
5274351482732712327239174271114427024922692497268391482676724926643169
2652411826424102263501892622287261522082609412592712225815772576024025
6301142554316525454217253166925293825128106250731249634248271162471565
2468442453514024425111243472002422512224164288240331472394520323830114
2374619323640177235729234135423314652321466231168123027122229391822282
6118227261232261672225572472242593223221042223012722149214220209321920
7421817722171249216166721511492141252213145921217652112510321083520914
5720824972071249206261102053012120473290203146620222107201156520062419
9251301981359197271201961787195652861941777193441851923212319115611901
6551891354188167718793918638163185512661841458183116118229122181259318
0156217918661782289177115017617681752396174125717331123172431871719351
7093716913641681157167209116624891659421641045163126616213501611153160
6321591787158311381571766156197515572715414731533213015234146151451961

5021891491554148301271471463146103714519791443113514315631421554141271
1414017701399331381874137168113617761351465134301221332211513219831311
8671301258129157012831112127104612624103125114712414561231252122301131
2131141120175811918721181776117331231161873115175911419611132598112136
5111124911074308109228910810441071044106125510518721042510210394410217
6710127131100115199301199827107972610896104695281389413639349231921571
9129150901052891354882391872410286114585936842310183197782371418111578
0104579249778176277187176238075208374945731254721354711570702410869602
5768281186718776620956518906473063156062271216173760830591253581050571
8845619695512585483853847521055517415084249187948146947105146176845114
3441986431980421363412310140124839157038281113719703613603520823439155
3334145321366312078302399291253282510227198626619251772241157237342216
7321197720729191143181251171049161147151253141147138331212521184710727
913841979446319541943123212241814 19”

4.2.10 The Seven Pairs Codes discussion

I discussed the potential importance of “seven pairs” in Quran in the previous chapter, Evidence 4.2.9. Let’s recall the verse related with it:

> 15:87 Surely, We have given you **the seven pairs** with the great Quran. (Quran, B. Saglam, kuranmeali.com)

In the main chapter, so far, we witnessed 7 total key coding pattern based evidences **about rewriting** the text of Quran from right to left as in Arabic. Those 7 evidences are **all** from the main KCP sources of Quran, namely, verse **Basmala** and **83:20** and also from the chapter **al-Fatiha**.

In the 7 rewriting codes, we have 7 successes and 16 trials (p=1/19) with respect to the rules defined in this book. We can compute the probability of observing such 7 pairs of rewriting codes as follows:

```
tmp <-binom.test( 7, 16, p = 1/19,
                  alternative = c("greater") )

tmp1 <- formatC(tmp$p.value, format = "e", digits = 2)

print(paste("The probability of", 7, "successes out of", 16 ,
            "(with p=1/9) is:", tmp1) )

## [1] "The probability of 7 successes out of 16 (with p=1/9) is:
8.38e-06"
```

```
print(paste("Namely, 1 in", round(1/as.numeric(tmp1) ) ) )

## [1] "Namely, 1 in 119332"
```

If we add 8 more trials, just in case, for more conservative probability calcualtion we get tthis:

```
tmp <-binom.test( 7, 24, p = 1/19,
                 alternative = c("greater") )

tmp1 <- formatC(tmp$p.value, format = "e", digits = 2)

print(paste("The probability of", 7, "successes out of", 24 ,
            "(with p=1/9) is:", tmp1) )

## [1] "The probability of 7 successes out of 24 (with p=1/9) is:
1.75e-04"

print(paste("Namely, 1 in", round(1/as.numeric(tmp1) ) ) )

## [1] "Namely, 1 in 5714"
```

These are the probabilities of the 7 KCP based pairs of rewriting codes from the 3 main source of Quran (Basmala, verse 83:20 and al-Fatiha). We did not include the 2 rewriting codes we observed based on the even odd verse 89:3 and the "seven pairs verse" 15:87. They also stand as potential rewriting codes to be considered. However, I wanted to see of the ones from the main three sources (Basmala, verse 83:20 and al-Fatiha) could be the "seven pairs of Quran" mentioned in 15:87.

We had also witnessed 7, **only al-Fatiha sourced key coding pattern based evidences** as discussed in Chapter 4.2.2.0.1. These appear to be a miraculous design if we pause and think again carefully. God knows best but one or both of these (al-Fatiha or rewriting) 7 key coding pattern based 19 System parts of the text of Quran might **potentially** be related with the **seven pairs** mentioned in the verse 15:87.

4.2.11 Pairing at chapter level data with the totals based key coding pattern

Under this main chapter I will present 2 related pairing coding pattern based evidence, which are also based on the key coding patterns we observe from the total numbers of the full text of Quran.

This key coding pattern is based on **the pairing coding pattern** mentioned in Chapter 3.2.1. For convenience and its importance for this chapter, I present the descriptive numbers again here in the following tables.

```r
dfnums <- data.frame(c,v,V,w,W,l,L)
# Table:
knitr::kable(dfnums, booktabs = TRUE,
  caption = 'Table of the totals of all the 7 main descriptive numbers
of the text of Quran.')
```

Table 4.8: Table of the totals of all the 7 main descriptive numbers of the text of Quran.

c	v	V	w	W	l	L
114	6236	6348	77797	78245	330709	332837

Let's first remember the main numbers of the text of Quran. There are 4 main numbers of the text, which are number of chapters, number of verses, number of words and number of letters. However, as explained in detail in Chapter 3.2.1, Quran has a different structure, which makes it possible to be defined in two different forms regarding those main numbers of each form. Specifically, if we prefer to describe Quran with numbered verses only then we have these 4 descriptive numbers in order:

$$c, v, w, l$$

$$114 - 6236 - 77797 - 330709$$

In fact most of the scholars mentions Quran with regard to the numbered verses and cites verse number as 6236. However, some scholars like to mention all the verses including the unnumbered Basmala verses and thus cite the verse number as 6348. In that case the 4 main numbers are as follows in order:

$$c, V, W, L$$

$$114 - 6348 - 78245 - 332837$$

These represent the two different text types of the text of Quran regarding its textual structure. In fact, both of the scholars are correct as long as they emphasize the difference.

Also, I ordered the 4 main numbers naturally from chapters towards letters by following the general rules as described in Chapter 3.2. Again, according to the rules described in Chapter 3.2, there are only two ways we can pair these two main descriptive numbers by concatenating them either way as follows:

$$c, v, w, l, c, V, W, L$$

$$114623677797330709114634878245332837$$

$$c, V, W, L, c, v, w, l$$

$$1146348782453328371146236777973307 09$$

There are only two possible pairings and both of the number pairs above are **multiple of 19**. This means that they both are in harmony and with the 19 based coding system. As per the rules, I consider them as **the key coding patterns** and will test the same coding pattern over the full text of Quran considering both verse and chapter level data.

Verifying the key coding patterns of Chapter 4.2.11: For testing the mode of big numbers, I always use the special R package, *gmp* (Lucas et al. 2019), for the computation of big numbers. As a double check, one can also manually copy and paste these big numbers into a web application ("Good Calculators" 2019) for a double check if wished. I test both of the big numbers of the key coding patterns below:

```
#First number
tmp <- paste0(c, v, w, l, c, V, W, L, collapse = '')
tmp

## [1] "1146236777973307091146348782453328 37"

cat("The mod 19 of this long number is ", as.numeric(as.bigz(tmp) %%
19))

## The mod 19 of this long number is  0

cat("The precise result of the division is found as follows:")

## The precise result of the division is found as follows:

cat(as.character(div.bigz(tmp, 19)))

## 60328251472279320586649935918596 23
```

Similarly, we can prove for the second number.

```
#First number
suppressWarnings(require(gmp))
tmp2 <- paste0(c, V, W, L, c, v, w, l, collapse = '')
tmp2

## [1] "1146348782453328371146236777973307 09"

cat("The mod 19 of this long number is ", as.numeric(as.bigz(tmp2) %%
19))
```

```
## The mod 19 of this long number is  0

cat("The precise result of the division is found as follows:")

## The precise result of the division is found as follows:

cat(as.character(div.bigz(tmp2, 19)))

## 603341464449120195340124619985951 1
```

We witnessed that the two big key coding numbers of Chapter 4.2.11 are multiple of 19. Feel free to double check it by running the codes yourself or by just copying and pasting that big number into an independent big number calculator, such as this ("Good Calculators" 2019) and test it yourself.

In the following two subchapters, I present two different evidence codes that are based on the above mentioned 2 key coding patterns of Chapter 4.2.11. I will add the total numbers of trials and successes into the counters here for both of the subchapters. Considering the aboe twp key coding patterns, we observe two evidence codes in the full text of Quran, one at chapter and the other at verse level data and both pairings are from the text type of 6348 verses towards the numbered 6236 verses. Overall, we have 4 trials and 2 successes considering the two key coding patterns and their follow up successor trial codes. Let's add them into the counters as well.

```
# Counters for all the key coding patterns
key_codings_tested_nums <- key_codings_tested_nums +  4
key_codings_success_nums <- key_codings_success_nums + 2
```

4.2.11.1 Pairing all the numbers per chapter

In Chapter 4.2.11, I showed the pairing key coding pattern based on the total numbers of the text of Quran. As per the rules we have to test those key coding patterns in the full text of Quran considering chapter and verse level numbers. In this subchapter, I will present the evidence code that is the successor code of those key coding patterns in the full text of Quran considering the chapter level data. As we see below, when we pair all the numbers of the chapter level data from the text type of 6348 verse towards to the text type of 6236 verses and the resulting big evidence code number is also multiple of 19.

```
tmp1 <- paste0(dfVCwl$Chapter_index,dfVCwl$Verse_sum,
               dfVCwl$cwords, dfVCwl$cletters)
cat("Head of numbers from the numbered verses", head(tmp1))

## Head of numbers from the numbered verses 1729143 2286614026249
3200350114985 4176376316332 5120283712206 6165305612726
```

```r
tmp2 <- paste0(dfVCWL$Chapter_index,dfVCWL$Verse_sum,
               dfVCWL$cWords, dfVCWL$cLetters)
cat("Head of numbers from all the verses", head(tmp2))

## Head of numbers from all the verses 1729143 2287614426268
3201350515004 4177376716351 5121284112225 6166306012745

tmp <- paste0(tmp1, tmp2)
cat("Head of the paired numbers", head(tmp))

## Head of the paired numbers 17291431729143
2286614026249228761442626 8 3200350114985320135051500 4
4176376316332417737671635 1 5120283712206512128411222 5
6165305612726616630601274 5

cat("Tail of the paired numbers", head(tmp))

## Tail of the paired numbers 17291431729143
2286614026249228761442626 8 3200350114985320135051500 4
4176376316332417737671635 1 5120283712206512128411222 5
6165305612726616630601274 5

tmp <- paste0(tmp, collapse = '')
cat("Mod 19 of the number is 0 as seen:")

## Mod 19 of the number is 0 as seen:

as.integer(as.bigz(tmp) %% 19)

## [1] 0

cat("The number of digits of the final number is: ", nchar(tmp))

## The number of digits of the final number is:  2415
```

As we witnessed, this big evidence code number is multiple of 19. Here is the “2415” digits length number of this evidence:

“1729143172914322866140262492287614426268320035011498532013505150044176376316332417737671635151202837122065121284112225616530561272661663060127457206334114435720733451445487512425387876124654069129250511115912925051111510109183975891011018437608111231946781711124195078361211117957307121121799732613438533545134485735641452830353914538343558159965728821510066129011612818447832161291848785117111155866431711215626662181101583655218111158765711998971393519999753954201351353539920136135754 18

2111211745094211131178511322781279531422791283533323118105244832311910
5645022464131957542465132357732577896387825789003897262271320563026228
1324564927931159479027941163480928881438593028891442594929699784317297
0982433630608173472306182134913134550217131355542190323037215633231376
1582337313035788337413075807345488435943455888361335457783238354678232
5736837303068368473430873718286538993718386939183888735306538897393084
3975117748693976118148884085122651084086123051274154794336541557983384
4253860352242548643541438983636094390840362844593461474446035014934537
4882085453849221044635645266746366492686473854224234739546244248295602
5104830564252949183531533491935715525045373150750463771526516036015465
1613641565524931213245250316134353623601433536336414525455342146954563
4614885578352164755793561666569637917565697383177557295752545573057925
6458224752046582347920655924447197059254511989601335215606014356157961
1422696661152309856211177768621218178763111818016312185820641824210916
4192461110651228912036513293122266122541105661325811246730333134767313
3713666852301128968533051308695226011336953264115270442179717045221990
7128227965712923198472282861109722929011287320200854732120487374562561
0357457260105475401646767541168695763124310877632247110677501818417751
1858607840174796784117881579461797857947183804804213355280431375718129
1044358130108454821981333822085352833616975083371737698425108445842611
2464852210946985231134888617612548618652738719722968720763158826923828
8279640189301395848931143603902082342902186361911554253911658272922171
3149222753339311401659312441849482710294931121958341629593818196197228
8962076307975301159763413498894404989984239983615899940177100114016910
0124418810111361601011240179102828123102932142103314731034189210493313
4104103715310552397105627116106417771065219610772511410782913310831043
1084146210962799109731118110319801104239911152381111627100112415471125
1966113523731136279211462080114724 99”

In the following Evidence 4.2.11.2, we will see that this pairing coding pattern also exist at verse level too and not specific to only chapter level, both of which are based on the predecessor pair key coding pattern of the total numbers as shown in Chapter 4.2.11. Also, ee already added the numner of trials to the counters in Chapter 4.2.11.

For the reference, to the best of my knowledge, as all the others, Evidence 4.2.11.1 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 4.2.11.1 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

4.2.11.2 Pairing all the numbers per verse: Evidence

In Chapter 4.2.11, I showed the pairing key coding pattern based on the total numbers of the text of Quran. As per the rules we have to test those key coding patterns in the full text of Quran considering chapter and verse level numbers. In this subchapter, I will present the evidence code that is the successor code of those key coding patterns in the full text of Quran considering the **verse** level data. As we see below, when we pair all the numbers of the verse level data from the text type of 6348 verse towards to the text type of 6236 verses and the resulting big evidence code number is also multiple of 19.

In the previous chapter, Evidence 4.2.11.1, we had witnessed a similar evidence code in the chapter level data. In this subchapter, I will present that a similar pairing key coding pattern based evidence code also exist in the verse level data too. This is despite the fact that the two text types have different total verse counts as 6348 and 6236 and their data lengths do not match to pair and concatenate. I had already described how the unequal data are paired in the rules section. Let's first see again the table that shows the total numbers of each category per verse in the numbered verses as I will concatenate these numbers of both category.

```
knitr::kable(head(unQuran, n = 9), booktabs = TRUE,
  caption = 'Table head of all 6348 verses of Quran.')
```

Table 4.9: Table head of all 6348 verses of Quran.

Versel	chapter	verse	vwords	vletters	text
1	1	1	4	19	بسم الله الرحمن الرحيم
2	1	2	4	18	الحمد لله رب العالمين
3	1	3	2	12	الرحمن الرحيم
4	1	4	3	12	مالك يوم الدين
5	1	5	4	19	إياك نعبد وإياك نستعين
6	1	6	3	19	اهدنا الصراط المستقيم
7	1	7	9	44	صراط الذين أنعمت عليهم غير المغضوب عليهم ولا الضالين
8	2	0	4	19	بسم الله الرحمن الرحيم
9	2	1	1	3	الم

```
knitr::kable(head(nQuran,  n = 9), booktabs = TRUE,
  caption = 'Table head of numbered 6236 verses of Quran.')
```

Table 4.9: Table head of numbered 6236 verses of Quran.

VerseI	chapter	verse	vwords	vletters	text
1	1	1	4	19	بسم الله الرحمن الرحيم
2	1	2	4	18	الحمد لله رب العالمين
3	1	3	2	12	الرحمن الرحيم
4	1	4	3	12	مالك يوم الدين
5	1	5	4	19	إياك نعبد وإياك نستعين
6	1	6	3	19	اهدنا الصراط المستقيم
7	1	7	9	44	صراط الذين أنعمت عليهم غير المغضوب عليهم ولا الضالين
8	2	1	1	3	الم
9	2	2	7	27	ذلك الكتاب لا ريب فيه هدى للمتقين

Now, in a similar manner to Evidence 4.2.11.1, I will concatenate numbers of all categories regarding all and only numbered verses. Since, this evidence is about the total verse numbers 6348 and 6236 of both text types, as an exceptional usage per the defined general rules, I will use the general verse indexes to be able to concatenate the unnumbered Basmala verses as well. Because otherwise, there is no real representative number to be assigned to the unnumbered Basmala verses within the total of 6348 verses and thus we can not correctly concatenate their corresponding counterpart in the numbered verses at the 6236 verses. Otherwise, the one-to-one verse data corresponding in the pairing of the key coding pattern but we cannot represent the additioal 112 unnumbered Basmala verses in the verse level data. Therefore, in order to represent them as well as per the rules, in any such pairing we use the general verse indexes instead of the special verse indexes.s Let's elaborate on this more.

So far, we have observed that the evidences were mainly by concatenating the numbered verses version of the text of Quran and the full version of the text that includes the unnumbered Basmala verses too. This seems to be one of the main patterns in the 19 based coding system of the text of Quran. We have observed this pattern at every level so far, from total numbers of each of the descriptor numbers of the text to per chapter level too. Now, the question is, can we see the same paired concatenation coding pattern in the verse level as well. While pairing, we need to consider what numbers we are going to assign to the

unnumbered Basmala verses at the beginning of the 112 chapters while pairing to its corresponding pair as we did in the predecessor key coding pattern. Since the unnumbered Basmala verses are unnumbered, we should not use any other number, even 0, to really represent them. As a single solution to this point, we can fairly utilize the general verse index of each verse for all the verses, because even the unnumbered verses have a unique general verse index in an order out of the 6348 verses. I mentioned this process as a general rule in Chapter 3.2.1 for *the paired codings* at verse level. This way, we solve the first problem but how about the other issue of concatenating the unequal length verse numbers of both text types (6348 vs 6236)? As per the rules, we use a natural approach as usual. If you try to concatenate two vectors where one of the vectors is longer than the other, then by default, R programming language keeps concatenating by starting over the smaller vector again. In a sense, the larger vector wraps the smaller vector as a circle. As an example, let's say we have two vectors a an b. The longer vector a has 5 elements as this a=(1,2,3,4,5) and the shorter vector b has three elements as this b=(7,8,9). Then, if we concatenate a and b, the natural way is to start using the elements of the shorter vector from the beginning again. A a result, the concatenation of a and b gives us this vector ab=(17, 28, 39, 47, 58). This is the natural way and also the default behavior of R as well. This means I did not even need to write a special code to perform this concatenation task and just simply concatenated them as if they are equal. In this evidence, we will test exactly this and see if the pairing of the descriptive numbers of the text of Quran per verse level data is also under the 19 based coding system of the text of the Quran. Here is the proof that shows success on this evidence code too:

```
# unQuran for 6348 verses
x<- data.table(unQuran)
tmp1 <- paste0(x$chapter, x$VerseI,x$vwords, x$vletters)
# nQuran for 6236 verses
x<- data.table(nQuran)
tmp2 <- paste0(x$chapter, x$VerseI,x$vwords, x$vletters)
tmp<-paste0(tmp1,tmp2)
# To see what is going on in concatenation
head(tmp)

## [1] "1141911419" "1241812418" "1321213212" "1431214312"
"1541915419"
## [6] "1631916319"

tmp1[6235:6238]

## [1] "996235419" "996236420" "996237318" "996238416"

tmp2[6235:6236]
```

```
## [1] "1146235520" "1146236313"

tmp[6235:6238]

## [1] "9962354191146235520" "9962364201146236313" "99623731811419"
## [4] "99623841612418"

#
tmp <- paste0(tmp, collapse = '')
print("Test if mod 19 of the code number is 0:")

## [1] "Test if mod 19 of the code number is 0:"

as.integer(as.bigz(tmp) %% 19)

## [1] 0

#Digitsum is not used as evidence but just presented as a fact.
as.integer(digitsum(tmp) %% 19)

## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 117196
```

In the above analysis, you can see that the digit sum of this big number is also multiple of 19 as a **fact**.

For the reference, to the best of my knowledge, Evidence 4.2.11.2 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 4.2.11.2 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

You can access this big number from the following link: https://github.com/quran2019/Quran19/blob/master/5_5_BigNumber.txt

One can just copy the big number and paste it into a web based big number calculator and test it herself.

As we witnessed, this big evidence code number is multiple of 19. Here is the “117196” digits length number of this evidence:

“114191141912418124181321213212143121431215419154191631916319179441794
428419281329132972721072721084721184721112522121252212833213833213114 7
214114721412532151253215114721611472161049217104921712512181251218114 3

2191143219729220729220197722119772211673222167322273422373422311572241
1572241772225177222561922661922619862271986227251022282510222812532291
2532292399230239923020782312078231136623213662323414523334145233391552
3439155234208223520822351360236136023619702371970237281112382811123815
7023915702391248240124824023101241231012411363242136324219802431980243
1986244198624411432451143245176824617682461051247105124714692481469248
1879249187924984225084225074125174125110552521055252847253847253838254
8382541258255125825519692561969256188425718842571050258105025812532591
2532598302608302607372617372612712126227121262156026315602637302647302
6418902651890265209526620952661877267187726728118268281182686025726960
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4972791045280104528011572811157281371412823714128219772831977283231012
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689344187689315596894156868948446895186568951344689616536896135368979 4
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596914281106915209669159416916241006916104169171569691736151691829118 6
918838691928110691928134692094169201038692110416921937692236151692218 7
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716927261176928727692822956929197569292083693031128693031145693120966 9
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569442711869448446945421806945146169463514969463514469471775694737138 6
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869528326953197769532910469541664695421866955166679551469569397956135 0
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616277962135079629457963145779631156796410437964114879651246796516737 9
666367966175779676277967135079689457968521796911567969416797011487970 7
367971167379711566797217577972125479731350797317707974521797425105797 5
416797552679767367976281307977156679771254797812547978124879791770797 9
734798025105798020837981526798131138798228130798222947983125479831669 7
984124879841678798573479851664798620837986261117987311387987291107988 2
294798811477989166979891974799016787990115879911664799137157799226111 7
992401617993291107993146279941147799423104799519747995104279961158799 6
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101615657101611447101729123710171359710181772710181471710192176710191 6
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5211116221515976222519112622241197622362011262232997622493711262244129
7622551811262255159862264191136226414986227125611362274998622862311362
2851598622931111362295209862301145113623051598623116781146231414986232
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1431299624163215419996242622163199996243621179441006244419281310062452 1
3297271006246213210847100624721321112521006248311212833100624931121311
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6320414284936110632141928511451106322519286241021106323731287239111063
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8415292492311116329317293136311163305152942813811263314192951046112633
2411296261081126333292972710711263344122983011911263355152991151113633
6419210027131113633741421011767113633849210294411363395152103251021136
3405202104187211363415152105125511463424192106104411463434142107104411
4634428210822891146345282109743081146346417211012491146347520211113651
14634831321122598”

4.2.12 Overall probability of all the key coding based evidences with only letters information

Considering all the presented and considered key coding based evidences *with letters information*, we have 23 trials and 11 successes so far. Probability of observing them by chance alone can be approximated as follows:

```
tmp1 <- key_codings_success_nums-key_codings_success_nums_NoLetter
tmp2 <- key_codings_tested_nums-key_codings_tested_nums_NoLetter
```

```
tmp <-binom.test( (tmp1),
                  (tmp2), p = (1/19),
                  alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", tmp1,
            "successes out of", tmp2 ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 11 successes out of 23 (with p=1/19) is:
6.42e-09"
```

To see a more conservative probability, I will again double the total number of trials and keep the successes the same and see the overall probability in such a case:

```
tmp <-binom.test( (tmp1),
                  (2*tmp2), p = (1/19),
                  alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", tmp1,
            "successes out of", 2*tmp2 ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 11 successes out of 46 (with p=1/19) is:
2.05e-05"
```

4.2.13 Facts about rewriting coding pattern

4.2.13.1 Fact: Rewriting the full text of Quran at general verse index level by replacing the number of letters of the word with the words

In Fact 4.2.4.1.1, we will literally replaced each word with the number of letters of each word and rewrote the text of Quran. That further reassures the rewriting of code 4.2.4.1 and showed that not only the total number of letters per verse but also the order of each word in a verse pattern has 19 the similar 19 based coding. That coding as a fact answers any potential objections such that “why is there no coding that shows the order of the word are also under 19 based design?”. That fact, Fact 4.2.4.1.1, answers that question by proving that there is also a coding at the number of letters per word resolution and we can rewrite Quran also with the same pattern of code 4.2.4.1 but now with the information of the order of words per verse in the 6236 numbered verses text type of Quran.

In the coding of this chapter, I will show that, the exact same coding pattern of Fact 4.2.4.1.1, if we use general verse indexes from 1 to 6236 instead of the special verse

indexes, then the coding again results a big representation number of the full text of Quran, which is multiple of 19. This shows that the same rewriting coding pattern exist with both of the verse indexing types, the primarily used special verse indexes, which show the index of a verse in each chapter and also the secondary verse indexing type, which is the general verse indexes from 1 to 6236.

Here is the proof of this fact:

```
x <- nQuran
tmpwr <- c()
for(i in 1:nrow(x)){
  word<-unlist(str_split(x$text[i]," "))
  tmpwr <- c(tmpwr,paste0( rev(sapply(word, nchar) ), collapse = "") )
}

cat("Tail of the representation numbers of each verse with number of
letters per its words: ", tail(tmpwr))

## Tail of the representation numbers of each verse with number of
letters per its words:  5342 53 53 6722 54254 652

cat("Head of the representation numbers of each verse with number of
letters per its words: ", head(tmpwr))

## Head of the representation numbers of each verse with number of
letters per its words:  6643 8235 66 534 6544 865

tmp <- paste0(x$VerseI,x$chapter,x$vwords,tmpwr)
cat("Tail of this big number at verse level: ", tail(tmp))

## Tail of this big number at verse level:  623111445342 6232114253
6233114253 623411446722 6235114554254 62361143652

cat("Head of this big number at verse level: ", head(tmp))

## Head of this big number at verse level:  1146643 2148235 31266
413534 5146544 613865

tmpr <- paste0(rev(tmp), collapse = '')
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("The number of digits on this big number is", nchar(tmpr))
```

```
## The number of digits on this big number is 122464
```

Also, here is the “122464” digits length big number:

“6236114365262351145542546234114467226233114253623211425362311144534262301135334236229113552823622811353342362271134322262261134534262251125342336224112443326223112254622211243422622111153235262201113557621911143345621811163343426217111533333621611075338344621511076432655621411056433362131094335362121095426436211109552433621010954264362091094624262081094842262071084625262061083543620510836736204107277620310736256202107556225620110727462001075743336199107463446198107464456197106732632646196106453286195106466476194106246619310535466192105442666191105464556190105552543618910575633323618810435326187104355461861044734461851043743618410446253618310446263618210445424618110445434618010444433617910396757865536178103433726177103166176102562562617510246372617410226561731025636236172102463326171102363361701023743616910227661681012536167101432536166101254616510147324616410145423616310147424616210147665616110157754361601014725361591012726158101176157100555342615610046224615510076224344615410045534615310045334615210045472615110034256150100342561491002496148100249614710024961469963335436145996343543614499675654561439943433614299374561419943274614099375661399947553613898213333354434467524344366137989632586552613698166225464329632552613598166346667552647353613498116623236554361339834346132986544424613198126636963253261309755432461299793224446846128976332354612797554253612697554273612596565423612496284612396255612296355561219668642336120965343436119964532561189637326117965533256116963334611596344561149646332611396363261129645723611196542273611096363461099636446108964327361079653434461069548544610595463536104959533486553610395464626102956542753610195365461009525460999528660989435346097943544609694445226095944452360949434266093943444609294343660919444243609093443546089934436460889344364608793355560869334456085934454360849345355608393562237608293533342608193333660809316607992245607892563363607792644244360769245444607592268607492353460739246362607292344860719247633607092355260699264343436068922676067922746066924732460659226760649227460639245424606292345260619247533606092343760599234366058913643605791766455766056917744443460559136526054913744605391452336052914524260519137676050913534604991353660489135376047913636604691353760459135366044912666043903535604290675275660419037556040909876755232603990452626038903525603790652325260369024260359046253603490365360339027760329026660319045243603090533225602990444546028906344225602790532753602690333560259045424602490454426023892466022893526602189555335602089485526019894354360188953542660178956452460168996247555546015895336346014 8

963353336013894335660128943467601189574363601089566223600989105354446 2
346008891153556362374600789393260068954335360058936476004894624560038 9
372660028956555560018966254246000893633599989643332359988963333225997 8
933365996892665995892355994891659938846522599288365259918846646599088 4
442359898836535988884434459878844354598688443645985884436459848864353 6
459838826659828826659818826659808836345979883534597888454425977883532 5
976882565975883554597488632434259738864234335972884432459718835445970 8
825559698835545968884744259678735735966875653325965873537596487466625 9
638744334596287442425961876434422596087465445959872685958873425595787 4
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594386353659428635375941866433223594086374359398645433593886585324593 7
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365259238536635922854542359218545332592085146537524438655259198514644 4
446229855259188510432356832459178596656234535916856496233591585445225 9
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6227654672654244626534455622627195217656552576336757631942655555444734
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6323344354475434243325433751902155552533365355421892164442433554243233
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9565324476365243183214443627535634331822115363876765518122944463734635
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7223164435352642553333356437643242531712436456636766422435352532624435
4352446757683221702966233243616929623644246168213669445543655216721166
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5535743751492216434247632554625252751482156536352442332331472306354342
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4437545243225437363431262106524365573125224646426653525343624646254124
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2332562444424533431202317354735455362534653336475337465119217623533334
3433442311821864275273524323542611721746342435327636567116233432342544
3764342326324573272632421152186423855332433662621142174332432336832424
3113219432342435244352324211222565254264542325428363255321112134497665
6255421102126523432665431092746526242542622263546352844332262355326258

4343453326365573435565846336338427108222625644465524343443245410721062
6244446610621083343544641052128343665834321042188544335444344643221032
2563454262723334253653435481022994564346310121764256532543653422100227
6427265265627655747245567539921165425628454982306423246632435435375434
5443533497227449334652423424424443626265962268345255254553832643443245
4952106266452366942286656864234565477434664266454932136236443766655922
4963543633574662334342434764875437563865762457665429121565626266366275
3902296545362656745698636104362735538921064255586568821364255662643238
7223622436244434436265355268622463346433454274323627665485211532353662
5584296352442648322364432854339533534455544822196352327244644333628812
3763543442434353543437353723432833326328021165566444665792106424548453
7822465375345432554354424443377217743245552223433357621883545444335234
3335752236273343342444332234333574220824254347546264254337329765353358
7221264535524655471213825654353326270215553274724556753692246235334354
5456532985655268260664334477456553424685555233463254249366675254334334
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8673436457443456364364218665463725247457656632765532726221565774433242
4243612276623546333467636586543254336027658645359286533245258212654256
2464635721065527953535621844244368766385227355219623344354434323424654
2128364554567325328645454555228833657695121064655665575027827656749286
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4445534325412138247353646843402236435256834333338648632339212663362333
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5255223342352136426262765563342208255274224327632436533239832335255234
4444755442437554535244262423223464355447253254354424547524432865543121
3848564566362330220642432764255535332432922365636334722536254755334282
1255526544654227225432342864433554434344745426219945537262764453624225
2662333224217625266434254464452321165374367655222767263642121683443583
4445554420219624724373355533533419276248243182116345526233417212653444
4463621621063636356471521172357544253142124445745463431321162622854552
1228826423351121262842434436610286746766592773332638213719735735554613
8655146544413534312662148235114664 3”

4.3 Final probability of all the key coding based evidences

Considering **all** the presented and considered key coding based evidences in the main chapter, we have 46 trials and 20 successes so far. Probability of observing them by chance alone can be approximated as follows:

```r
tmp <-binom.test( (key_codings_success_nums),
                  (key_codings_tested_nums), p = (1/19),
                  alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", key_codings_success_nums,
            "successes out of", key_codings_tested_nums ,
            "(with p=1/19) is:", tmp))
```

```
## [1] "The probability of 20 successes out of 46 (with p=1/19) is:
3.93e-14"
```

```r
print(paste("The probability of", key_codings_success_nums, "successes
out of",
            key_codings_tested_nums ,"(with p=1/9) is:", tmp) )
```

```
## [1] "The probability of 20 successes out of 46 (with p=1/9) is:
3.93e-14"
```

```r
print(paste("Namely, 1 in", round(1/as.numeric(tmp) ) ) )
```

```
## [1] "Namely, 1 in 25445292620865"
```

To see a more conservative probability, I will again double the total number of trials and keep the successes the same and see the overall probability in such a case:

```r
tmp <-binom.test( (key_codings_success_nums),
                  (2*key_codings_tested_nums), p = (1/19),
                  alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", key_codings_success_nums,
            "successes out of", 2*key_codings_tested_nums ,
            "(with p=1/19) is:", tmp))
```

```
## [1] "The probability of 20 successes out of 92 (with p=1/19) is:
5.58e-08"
```

```r
print(paste("The probability of", key_codings_success_nums, "successes
out of",
            2*key_codings_tested_nums ,"(with p=1/9) is:", tmp) )
```

```
## [1] "The probability of 20 successes out of 92 (with p=1/9) is:
5.58e-08"
```

```r
print(paste("Namely, 1 in", round(1/as.numeric(tmp) ) ) )
```

```
## [1] "Namely, 1 in 17921147"
```

Now, I will add these trials and successes so far we observed in this main chapter on key coding patterns based 19 System to the global counters for overall system probability calculations in the end of the book.

```
global_tested_nums <- global_tested_nums + key_codings_tested_nums
global_success_nums <- global_success_nums + key_codings_success_nums
```

4.4 Relevant Verse Meanings and their key codes

In this chapter, I will share some of the interesting verses from Quran, which are likely to be associated with the 19 system we witness over the text of Quran. Because their meanings remind also the 19 System, maybe as addition to their core understood meanings.

4.4.1 Verse Numbered book?

Chapter 83 and verse 20 might potentially be referring to a mathematical system in the book but it is not directly clear when first read from the classical translations. Therefore I will share it in Arabic first, then its transliteration and one of the classical translations and a direct independent computer translation using Google Translate.

> 83:20 كِتَـٰبٌ مَّرْقُومٌ

As we see, in its original Arabic text, this a two words and simple looking verse. Let me share its transliteration to make the words clear:

> 83:20 Kitabun marqoom

As we see the first word is Kitabun, which means “a book”. The second word should be looked more carefully to be able consider its potential other meanings too as it has multiple meanings.

Here is a classical translation from of Dr.Ghali from quran.com:

> 83:20 (It is) a Book imprinted,
>
> 83:21 witnessed by those nearest ˹to Allah˺.

As we see the word “marqoom” is translated as “imprinted”. The others also have similar translations in that site.

However, there are some people who translates this word in question, “marqoom”, as “numbered” as well.

Here is a classic translation by Y.N Öztürk from kuranmeali.com:

83:20 A numbered book it is.

In fact, when I paste the verse "كِتَـٰبٌ مَّرْقُومٌ" in to Google Translate, it returned the following translation:

"Numbered book"

So, computer automatically translated the word in question as "numbered". I then asked the AGI of Google, Google BARD, the question that made the issue more clear (on 11/22/2023).

My question: "What is the root word of مَّرْقُومٌ and what meaning does it have in order ?"

BARD answer between triple quotes:

""""

The root word of **مَّرْقُومٌ** (marqūm) is **رَقَمَ** (raqama), which has a broad range of meanings related to marking, writing, and inscribing. Here's a breakdown of the root word and its significance:

Root Word: رَقَمَ (raqama)

Meaning:

- To mark, to write, to inscribe
- To stamp, to impress
- To brand, to label
- To sign, to seal
- To number, to enumerate

Significance in the Word مَّرْقُومٌ (marqūm):

The passive participle **مَّرْقُومٌ** (marqūm) is derived from the root word **رَقَمَ** (raqama), capturing the essence of being marked, written, or inscribed. This reflects the underlying meaning of the root word, which encompasses various forms of marking and recording information.

In essence, the root word **رَقَمَ** (raqama) provides the foundation for understanding the meaning and usage of the word **مَّرْقُومٌ** (marqūm). It highlights the act of leaving a mark or impression, whether through writing, inscribing, or otherwise.

""""

So, as we see the root word R-Q-M has also meaning "*To number, to enumerate*".

Therefore, it is also possible that the translation of the verse 83:20 be in the meaning like "a numbered book". God knows best and I am just trying to write what I understand from what I read as someone who does not know Arabic. So, feel free to do you own research too if you have doubts. However, there are already translators who translate with this "numbered" meaning. For example famous Turkish scholar Yaşar N. Öztürk has the following translation for the verse. In the original Turkish, he translates as "*Rakamlanmış bir kitaptır o.*" and I translate it to English as "*a numbered book, it.*". My research also confirms their alternative translations. So, I will *also* consider this second meaning and understand that the verse in question might also be referring to "a numbered book" and so tried to see if there is any *clear* 19 based key coding in it that might also exist in the full text of Quran. Then I observed two clear 19 based key codings that exist over this verse and also in the full text of Quran as will be describe below.

The natural numbers of this verse is as follows.

It is chapter 83, verse 20, the number of words and letters are 2 and 9, respectively.

- Chapter: 83
- Verse: 20
- Words: 2
- Letters: 9

First key code of the verse 83:20:

When we concatenate those numbers in their natural order we get this coding number, which. is multiple of 19:

[chapter index | verse index | number of words | number of letters]

832029

As you might recall from previously presented evidence, Evidence 4.2.4.1, this same key coding pattern also exist over the full text of Quran with the verse level data (in all 6348 verses), which I referred to as the rewriting coding pattern. Moreover, this same key coding pattern also exist in chapter level data (in 6236 numbered verses) as presented in Evidence 4.2.4.2. So, this might mean that in the verse where the book is defined as "numbered", we might also be seeing an example of how it is being numbered by seeing its key coding coding over the text of that particular verse itself.

Second key code of the verse 83:20:

Let's sum the 4 of the natural numbers of the text of verse 83:20.

chapter index + verse index + number of words + number of letters

83 + 20 + 2 + 9 = 114!

As we see there is a clear 19 based coding relation with the sum of all its 4 natural numbers. The sum resulting number 114 is not only multiple of 19 but there are also 114 chapters in Quran. This seems like a more clear sign that might point to the 19 System of the text of Quran we observe. So, again, this might mean that in the verse where the book is defined as "numbered", we might also be seeing an example of haw it is being numbered by seeing its key coding coding over the text of that particular verse itself.

Also, when we consider this observed coding in this verse as a key coding pattern, then we would expect it to exist over the full text of Quran too. In fact, we observed it in Evidence 4.2.6, where we use the exact same key coding pattern and rewrite the full text of Quran and the resulting big coding number is also multiple of 19. Moreover, I already presented in the chapter of Evidence 4.2.6 that the sum of the number of chapters, verses, words and letters is 417544 and it was used as the key coding pattern of Evidence 4.2.6. The same key coding pattern also observed in the verse 83:20 as I just presented. This fact further supports this key coding pattern and make it more important key coding pattern that exist over the full text of Quran.

So, as we witnessed, the two key coding patterns of this special verse, 83:20, I considered relevant to 19 System of the text of Quran, also exist in the full text of Quran too. It is as if we see in this special verse how the book was numbered.

Having said that, there are many other mathematical miracles in the text of Quran and the verse might also refer them as well. Thus, we might have witnessed just one aspect of this verse and it is not necessarily have to be the only interpretation as there might be layers of truth.

One final note on the verse 83:20 is that the same exact verse also appears in the verse 83:9. However, that book is for the "deniers" or "non-believers" as clear from the neighboring verses. For example the following verse 83:10 is this: 83:10 "Woe on that day to the deniers,". So, we only observe the key coding patterns of 19 in the verse 83:20 where the book is mentioned for believers. The following verse of 83:20 is this: 83:21 "witnessed by those nearest ˹to Allah˺.".

4.4.2 Verse 10:38

Because of its meaning, chapter 10 and verse 38 might potentially be referring to a mathematical system in the book and presenting the coding patterns of the text in its verse. Let's first see the translation of this verse.

> 10:38 Or do they say, 'He has devised it'? Say, 'Then produce a sura like it, and call on anyone you can beside God if you are telling the truth.'

As we see in this verse there is a challenge to disbelievers who claim Prophet Muhammed made it up. The challenge in this verse is to produce a chapter like it.

So the question is what might be the attributes of the chapter. The verse number is 38 (19x2) and it is small sign that take our attention the potential 19 System of the text. Therefore, I looked at the natural text numbers of the verse and witnessed two clear 19 coding patterns that we had already witnessed the exact same coding patterns in the **one** chapter Al-Fatiha, where I presented the key coding patterns from the chapter Al-Fatiha and witnessed that the same coding patterns are also exist in the full text of Quran. Hence I had categorized that as part of the Main 19 System. See Evidence 4.1.2.3 and Evidence 4.1.2.5 for details. Below are the key coding patterns in this challenge verse.

Key coding pattern 1 in the verse 10:38: Chapter 10, verse 38 has 16 words. When concatenated we get *103816* coding number and it is multiple of 19. The exact key coding pattern also exist in the first chapter of Quran, Al-Fatiha, and also in the full text of Quran as presented in Evidence 4.1.2.3. As a side not, the remaining of 103816 after dividing to 19 is 5464 and the digit sum of 5464 is also exactly 19.

We also observe the exact same key coding pattern in chapter 11 verse 17, which has 39 words. When concatenated we get *111739* coding number and it is multiple of 19.

> 11:17 Can they be compared to those who have **clear proof** from their Lord, recited by a witness from Him, and before it the Book of Moses, as a guide and mercy? These people believe in it, whereas those groups that deny its truth are promised the Fire. So have no doubt about it [Prophet]: it is the Truth from your Lord, though most people do not believe so.

Key coding pattern 2 in the verse 10:38: The digit sum of the coding number *103816* is also exactly 19 (1+0+3+8+1+6=19). The exact key coding pattern also exist in the first chapter of Quran, Al-Fatiha, and also in the full text of Quran as presented in Evidence 4.1.2.5.

Then the question is, can the challenge be to bring up a chapter like Al-Fatihah, from which we observe key coding patterns and observe all of them in the full text of Quran too?

5 Universal Evidences

The key coding pattern based system, in particular the **Al-Fatiha based 19 system** of the full text of Quran has been presented in Chapter 4.1.2. As a PhD level expert in Information Coding, my expert level conclusion is that it already shows that there is miraculous 19 based design in the full text of Quran with respect to chapters, verses and words together. It

does not include letters information and thus it is less dependent to the various old or new manuscripts that might have slightly different writing styles when it comes to letters. This is because, some words might be written with slightly different letters though all refers to the same word. Some of the people who has no interest in understanding the presented system in this book might not even read those evidences by stating the above mentioned argument as their excuse. Some people also might argue about the text I used in the analysis of this book. Therefore, if there are 19 based codes, which together suggest a 19 based system, which are also valid over all the common Hafs manuscripts on earth, then such a system would be mostly free of those kinds of critiques. I therefore searched for such a system in case it exists and discovered the evidences you will witness in this chapter. Such a system would then be considered as composed of the universal evidences and thus I named the codings of this chapter as the *Universal Evidences* of the presented 19 system in this book.

In this chapter, Chapter 5, I will present only the universal evidences that might be considered to be *manuscript free* as they exist almost over all the common Hafs manuscripts, which is the common one and used by around 97% of Muslims in the world. This means, the evidences are mostly without letter information and based on only on some special words.

Again, all the evidences in this book have been discovered by myself unless otherwise noted. If I share any already known additional evidences, I certainly cite and inform the source along with that particular evidence.

The additional evidences I will present in this chapter are again bound by the universal rules described in Chapter 3. However, for each sub-chapter of this chapter, I describe the special rules of each evidence, which are additional to the universal rules. Because each of the additional evidences of this chapter have their own additional special rules since the research question is different. The main distinction of the evidences of this main chapter is that they are the most universal and thus the strongest evidences as they are least dependent of the used text. Therefore, I separated this chapter from the other chapters. The common trait of all the special evidences I present in this chapter is that, all answer very meaningful questions.

Reminder about the rules of this chapter: Although all the evidences are based on the full text of Quran, they indicate a design pattern in a special part of the text. Therefore, all the universal rules defined in Chapter 3 applies but also for each evidence, if there is a special coding pattern it will be described with its rule along with the reasoning of doing it.

5.1 Evidences on Allah and Al-Rahman word positions and frequencies

Al-Fatiha based 19 system of the full text of Quran that is presented in Chapter 4.1.2 will be true as long as all the words in the full text I used are fully correct up to last word of it. In case, if the word counts is any different, then all the relevant codes with such case would be most likely invalid Therefore, although we observe a miraculous system, it is intensely dependent on the full text I used and thus all the words of the text I used should be reviewed by independent reviewers to make sure all the words in the text are correct and my word counts are also correct. I have already seen two independent websites that agrees with my counts considering the text I used as described in Chapter 3.1. Since it is very sensitive to the full text, some people might be hesitant to accept what they witness. Some people even think that it is not possible to count the words correctly in classic Arabic language, which I cannot agree. Therefore, from that point of view, the evidences of this chapter, Chapter 5.1, are **the strongest evidences** of this book as they are prone to those kinds of text based skepticism. Because, in the evidences of this chapter, we only count two special words that certainly exist in all the full texts of Quran, namely all the common Hafs manuscripts, old or new. Therefore, there is almost no reason to be skeptical about the evidences of this chapter with respect to the text I used. Therefore, the evidences of this chapter, Chapter 5.1, presents the strongest 19 based system of the full text of Quran, which I discovered and presented in this book.

In all the evidences of the sub-chapters of this main chapter, I will present evidences that suggest **the verse positions** of the word God, in Arabic الله (**Allah**), and the other unique name of God, Al-Rahman, (**الرحمن**) (the Entirely Merciful) are individually and together have 19 based design within the full text of Quran with similar coding patterns. This also suggest that the order of the verses should be as is with the current Allah and Al-Rahman words in it over the full text of Quran. These evidences stand out as if a backbone of the 19 based design of the full text of Quran. These evidences suggest that the distribution of the names of God (in Arabic, Allah and Al-Rahman) is not random and under precise 19 based design. These evidences indicates that **Allah** and/or **Al-Rahman** words in Quran should be in their current exact locations and not changed. These observations further support the main hypothesis of this book that the text of Quran is intact and unchanged and it is under 19 based design.

You might wonder the reason why the name *Al-Rahman* along with the word *Allah* is in this system. I had started hypothesizing evidences with only the word *Allah* but then I recalled the verse 17:110, which specifically mentions another name of God, Al-Rahman (The Most Compassionate/The Entirely Merciful), along with Allah word as this:

> “Say to them (O Prophet!):”Call upon Him as Allah or call upon Him as al-Rahman; call Him by whichever name you will, all His names are beautiful. …“, (17:110), Quran.

Therefore, I thought that there might be 19 based coding evidences of the word Al-Rahman along with the word Allah together regarding this verse and thus made the hypothesis based on that.

Therefore, in the sub-chapters of this chapter, in Evidence 5.1, I will provide the evidences that show the positions and counts of Allah and Al-Rahman words over all the verses of Quran are under 19 based design individually and also together with the same coding pattern.

Let’s first get the position and frequency of the word Allah in each verse with respect to general verse index, chapter index, verse indexes at each chapter and the frequency in each verse. These are all natural numbers that exist in the full text of Quran.

As per the universal rule, I always use both types of the text of Quran in this book, I will again get the related numbers for both of them. To recall, the main text type is for all the 6348 verses including unnumbered Basmala verses and the second one is the text type of only the 6236 numbered verses.

Below, I first obtain the counts and indexes for the *Allah* word from the text and present the two tables with the computed numbers for both of text types. These are dynamic tables and you can access any data in it easily in the e-Book version over the web.

```
require(data.table, quietly = T)
require(DT, quietly = T)
require(stringr)

#Allah word in Arabic is assigned to search within Quran
tmppattern <- "الله"

x <- unQuran #6348 verses
#find verse indexes
require(tokenizers)
tmp <- x$text
tmp<- as.character(tmp)
j <- rep(0,length(tmp))
for(i in 1:length(tmp)){
  #tmpw <-strsplit(tmp[i], " ")
  #tmpw <- unlist(tmpw)
```

```r
  tmpw <- unlist(tokenize_words(tmp[i]))
  j[i] <-sum(tmpw == tmppattern)
  rm(tmpw)
}
#if correct, this should result
#2265 Allah words used in total within Quran.
sum(j)
```

```
## [1] 2265
```

```r
#Get the verse indexes where Allah word is used
i <- which( j!=0)
x <- x[,c(1:3)]
y <- cbind(x,j)
y <- y[i,]
colnames(y)<-c("Gen_verseI","Chapter",
               "verse","countW")
yunQ <- y
rm(y)
## do the same for 6236 numbered verses
x <- nQuran #6236 verses
#find verse indexes
tmp <- x$text
tmp<- as.character(tmp)
j <- rep(0,length(tmp))
for(i in 1:length(tmp)){
  #tmpw <-strsplit(tmp[i], " ")
  #tmpw <- unlist(tmpw)
  tmpw <- unlist(tokenize_words(tmp[i]))
  j[i] <-sum(tmpw == tmppattern)
  rm(tmpw)
}
#if correct, this should result
#2153 Allah words used in total within Quran.
sum(j)
```

```
## [1] 2153
```

```r
#Get the verse indexes where Allah word is used
i <- which( j!=0)
x <- x[,c(1:3)]
```

```
y <- cbind(x,j)
y <- y[i,]
#
colnames(y)<-c("Gen_verseI","Chapter",
               "verse","countW")
ynQ <- y
rm(y)

datatable(yunQ,
          caption = 'Allah word positions and counts in 6348 verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel')),
          rownames= FALSE)

datatable(ynQ,
          caption = 'Allah word positions and counts in 6236 verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel')),
          rownames= FALSE)

#initialize the special counters to this chapter for probability
calculations
AllahWordEvidenceTrials <- 0
AllahWordEvidenceSuccesses <- 0
```

Similarly, here we obtain the similar table for the word Al-Rahman only as follows:

```
#Al-Rahman word in Arabic is assigned to search within Quran
tmppattern <- "الرحمن"

x <- unQuran #in 6348 verses
#find verse indexes
tmp <- x$text
tmp<- as.character(tmp)
j <- rep(0,length(tmp))
for(i in 1:length(tmp)){
  #tmpw <-strsplit(tmp[i], " ")
  #tmpw <- unlist(tmpw)
  tmpw <- unlist(tokenize_words(tmp[i]))
```

```r
  j[i] <-sum(tmpw == tmppattern)
  rm(tmpw)
}
#if correct, this should result
# 157 Al-Rahman words used in total within Quran.
sum(j)
```

```
## [1] 157
```

```r
#Get the verse indexes where Allah word is used
i <- which( j!=0)
x <- x[,c(1:3)]
y <- cbind(x,j)
y <- y[i,]
colnames(y)<-c("Gen_verseI","Chapter",
               "verse","countW")
yunQ2 <- y
rm(y)
## do the same for 6236 numbered verses
x <- nQuran #in 6236 verses
#find verse indexes
tmp <- x$text
tmp<- as.character(tmp)
j <- rep(0,length(tmp))
for(i in 1:length(tmp)){
  #tmpw <-strsplit(tmp[i], " ")
  #tmpw <- unlist(tmpw)
  tmpw <- unlist(tokenize_words(tmp[i]))
  j[i] <-sum(tmpw == tmppattern)
  rm(tmpw)
}
#This should result
# 45 Al-Rahman words used in total within Quran.
sum(j)
```

```
## [1] 45
```

```r
#Get the verse indexes where Allah word is used
i <- which( j!=0)
x <- x[,c(1:3)]
y <- cbind(x,j)
```

```
y <- y[i,]
#
colnames(y)<-c("Gen_verseI","Chapter",
               "verse","countW")
ynQ2 <- y
rm(y)
##
datatable(yunQ2,
          caption = 'Al-Rahman word positions and counts in 6348
verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel')),
          rownames= FALSE)

datatable(ynQ2,
          caption = 'Al-Rahman word positions and counts in 6236
verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel')),
          rownames= FALSE)
```

Now in the following, we obtain another similar table, that is obtained considering any verse that includes **either** Allah or Al-Rahman words or both in it assuming that they are equivalent based on the verse 17:110.

```
#Allah and Al-Rahman word in Arabic is assigned to search within Quran
tmppattern <- "الله"
tmppattern2 <- "الرحمن"
x <- unQuran #in 6348 verses
#find verse indexes
tmp <- x$text
tmp<- as.character(tmp)
j <- rep(0,length(tmp))
for(i in 1:length(tmp)){
  #tmpw <-strsplit(tmp[i], " ")
  #tmpw <- unlist(tmpw)
  tmpw <- unlist(tokenize_words(tmp[i]))
  j[i] <- sum(tmpw == tmppattern) + sum(tmpw == tmppattern2)
  rm(tmpw)
```

```r
}
#Allah and/or Al-Rahman words used in total within Quran.
sum(j)
```

```
## [1] 2422
```

```r
#Get the verse indexes where Al-Rahman word is used
i <- which( j!=0)
x <- x[,c(1:3)]
y <- cbind(x,j)
y <- y[i,]
colnames(y)<-c("Gen_verseI","Chapter",
               "verse","countW")
yunQ4 <- y
rm(y)
## do the same for 6236 numbered verses
x <- nQuran #in 6236 verses
#find verse indexes
tmp <- x$text
tmp<- as.character(tmp)
j <- rep(0,length(tmp))
for(i in 1:length(tmp)){
  #tmpw <-strsplit(tmp[i], " ")
  #tmpw <- unlist(tmpw)
  tmpw <- unlist(tokenize_words(tmp[i]))
  j[i] <-sum(tmpw == tmppattern) + sum(tmpw == tmppattern2)
  rm(tmpw)
}
#Allah and Al-Rahman words used in total within Quran.
sum(j)
```

```
## [1] 2198
```

```r
#Get the verse indexes where Allah word is used
i <- which( j!=0)
x <- x[,c(1:3)]
y <- cbind(x,j)
y <- y[i,]
#
colnames(y)<-c("Gen_verseI","Chapter",
               "verse","countW")
```

```
ynQ4 <- y
rm(y)
##
datatable(yunQ4,
          caption = 'Allah and/or Al-Rahman word positions and counts
in 6348 verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel')),
          rownames= FALSE)

datatable(ynQ4,
          caption = 'Allah and/or Al-Rahman word positions and counts
in 6236 verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel')),
          rownames= FALSE)
```

Now we can use these three tables in the following sections for the coding evidences to be presented.

For the reference, to the best of my knowledge, All the evidences presented in the subsections of this Chapter 5.1 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out that the evidences under Evidence 5.1 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

In summary, this is the main chapter that includes the three sub-chapters underneath of it. I collected them in this main chapter because in each of the three sub-chapters, I use all the three tables in coding tests below. This means they have the common numbers to be tested. Each sub-chapter tests for a different coding pattern. The evidences in this chapter suggest that *the positions* of Allah and Al-Rahman words over all the verses of Quran are under 19 based design individually and also together. To recall, the reason I consider the word Al-Rahman along with Allah word is because of the verse 17:110 in Quran.

> "Say to them (O Prophet!):"Call upon Him as Allah or call upon Him as al-Rahman; call Him by whichever name you will, all His names are beautiful. ...", (17:110), Quran.

5.1.1 Evidences and probability on Allah and Al-Rahman words with concatenation of chapter and special verse indexes

The evidence we will witness is the 19 based coding for the exact positions of the words "Allah" and/or "Al-Rahman" in the full text of Quran regarding chapter indexes and special verse indexes. In fact, mentioning these two indexes are the natural way of referring any verse in the text of Quran. For example, when we refer to a specific verse, we say 17:110, which means Chapter 17 and Verse 110. Therefore, the evidences in this sub-chapter use the most natural numbers to refer to a position of a verse in the text of Quran. The coding pattern of the evidences of this sub-chapter is performed by concatenating each chapter index and special verse index with Allah and/or Al-Rahman words in it. This evidence suggests that the chapter indexes and the special verse indexes with Allah words and/or Al-Rahman words in them are under 19 based design together. We witness that the same 19 based design pattern also exists considering only the word "Allah", and only the word "Al-Rahman" and also in their combination (verse with Allah or Al-Rahman words). Since as a global rule, I try any coding pattern in both of the text types of Quran (all 6348 verses and only 6236 numbered verses), in total we perform 6 trials. As we will witness that 4 out of 6 trials are successful with the same coding pattern. This means the probability of such an observation is around 1 in 10000 (or 0.0001) if we consider only these evidences independent from the rest of the coding in this book. Here is the calculation of this specific probability.

```
tmp <-binom.test(4, 6,p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(formatC(tmp$p.value, format = "e", digits = 2),
               format = "e", digits = 2)

cat(paste("The probability of 4 success out of
          6 tests (with p=1/19) is:", tmp))

## The probability of 4 success out of
##           6 tests (with p=1/19) is: 1.06e-04
```

Let's also add these numbers to the special counters that we will use them in the probability calculations of the system in this chapter.

```
#counters to compute the overall probability
AllahWordEvidenceTrials <- AllahWordEvidenceTrials + 6
AllahWordEvidenceSuccesses <- AllahWordEvidenceSuccesses + 4
```

Let's try something else for more skeptical people. One may argue that, why not also considering the frequencies of the words along with the positions. There is no such code

exist. But if we consider them, we should consider that as a second basket of events. Because all the events we observed with position indexes only but not with the frequencies of the words. Therefore, even we would perform twice the number of current trials, we need to consider all being in one of the baskets of the two event categories. Let's first include those second group of trials to start answering this potential objection. We then have the following probability, which is alone still statistically significant, as follows:

```
tmp <-binom.test(AllahWordEvidenceSuccesses,
                 AllahWordEvidenceTrials*2,
                 p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(formatC(tmp$p.value, format = "e", digits = 2),
               format = "e", digits = 2)

cat(paste("The probability of all the ", AllahWordEvidenceSuccesses,
          "success out of all the", AllahWordEvidenceTrials*2,
            " tests (with p=1/19) is:", tmp))

## The probability of all the  4 success out of all the 12  tests
(with p=1/19) is: 2.70e-03
```

As we observed that the probability of this is still statistically significant as it is less than 0.05. In such a skeptical case, as mentioned just before, it would be more fair to consider all the observed evidences exist in one of the two events categories, namely 2 baskets of events. Here we also want to know what is the probability of observing all the 4 successes in the group of events with either the position information only or in the group of events with the position and word frequency together? If the chances are like basket1/basket2, then 4/0 and 0/4 is of our concern. The rest of possibilities would be like 3/1,2/2,1/3. Therefore, approximately,the probability of observing all successes in one of the two basket categories is like 2/5. Therefore we multiply this probability with the one we found above, which only shows observing 4 out of 12 trials. Then the approximate probability of the overall observation should be around **0.00108** for this extreme case scenario, which was computed for more skeptical people.

Now, Let's witness the evidences regarding each of the three cases from the tables we had obtained in the main chapter.

5.1.1.1 The Evidence of Allah words positions over the 6236 numbered verses:

The coding pattern of this evidence concatenates each chapter index and special verse index if there is at least one Allah words in it. As you will witness, the same pattern exist in both text categories (all 6348 verses and 6236 numbered verses) of Quran. In this sub-

section, I will present the proof of the first evidence that is in the text type of the numbered 6236 verses of the full text of Quran.

Let me first illustrate the default concatenation coding pattern, as always in the natural order, applied in this evidence as follows:

> [Chapter i1 | Verses j1 (chapter and verse indexes of the first verse that has Allah word or words in it)] [Chapter i2 | Verses j2 (chapter and verse indexes of the second verse that has Allah word or words in it)] . . . . . [Chapter iN | Verse jN (chapter and verse indexes of the last verse with an Allah word or words in it)]

Here, i1 is chapter index and j1 is the special verse index of the first verse that has Allah word in it. Also, i2 is chapter index and j2 is the special verse index of the second verse that has Allah word in it. Lastly, iN is the chapter index and jN is the special verse index of the last verse that has Allah word in it. If we use the real numbers in the above formula, it would be like the following regarding the text type of the 6236 numbered verses:

> [1 | 1] [2 | 7] . . . . . [112 | 2]

And, the final number after all the concatenation would look like this:

> 1127 1122

I also provide my single summary that better illustrates this evidence, which I had also tweeted, as follows:

Here is the reproducible proof of the coding in the text type of the numbered 6236 verses:

```r
#The required numbers for this evidence are in the ynQ object.
x<- ynQ  # 6236 numbered verses
tmp <- paste0(x$Chapter,x$verse)
# head and tail sides of numbers of each verse
cat("The head of the table for Allah word positions: ",head(tmp))

## The head of the table for Allah word positions:  11 27 29 210 215
217

cat("The tail of the table for Allah word positions: ",tail(tmp))

## The tail of the table for Allah word positions:  988 1046 1101 1102
1121 1122

tmp <- paste0(tmp, collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 5732
```

As we witnessed, the resulting 5732 digits length big number is multiple of 19.

Also, below is the 5732 digits length big number of this evidence. One can just copy the big coding number below and paste it into a web based big number calculator and test it herself.

“1127292102152172202232262272552602612642672702732742752762772792802832852882892902912942972982101210221032106210721092110211421152116211821202132213721382139214021432144214821492153215421582159216121642165216721692170217321742176218121822185218721892190219221942195219621972198219922002203220422062207220922102211221322142215221722182219222022222232224222522262227222822292230223122332235223722392242224322442245224622472249225122522253225522572258225922602261226222652266226722702272227322752276227822792281228222832284228632343537393103113133153183193213232832933033133233333733934034234534734935035135235435535936136236336437037337537637737837938138338638738939239439539739839931013102310331073108310931123113311631173119312031223123312631303132313531403141314231443145314631483150315231543155315631573158315931603162316331643165316631673169317031713173317431763177317931803181318231833187319131953198319932004145494114124134144154164174194234244264284294304324334344354364”

7439440442443446447448449450452454456458459461463464469470472473474475
4764774784794804814824834844854864874884894904924934944954964974994100
4102410341044105410641074108410941104111411341144116411841194122412341
2541264127412841294130413141334134413541374140414141424143414641474148
4149415041524153415541574158416041644165416641674168416941704171417341
7651525354565758595115125135145155165175185205215235275285315335345355
3853954054154254354454554754854955055155255455555655755605645675715725 7
3574576580585587588589591592594595596597598510051015103510451055106510
8510951105112511551165117511963614617619621631633634635636637639640646
6476506536566626646706716806886906916936956102610761086109611161146116
6118611961216124612561286136613761386140614261446145614861506151615261
5761596164726728730732733737743744745749750754756759762765769770771773
7747857867877897997101710571317140715871647169717871857186718771887189
7190719471968182878108138168178188198208228238248258278288298308338348
3683783984084284384484584684784884985185285385585885086186286386486686
8869870871872874875919293949596979991491591691791891992092292492592692
7928929930931932934936937938940941943946948951952955959960961963964967
9689709719729749759779789799809819839859899909939949969979999100910291
0491059106910791099111911291159116911791189119912091219123912791291031
0410510610111016101710181021102210271030103110321034103510361037103810
4410451046104910551058105910601062106410661068106910711072108110821085
1095101001010410106101071010911211411611131114111811191120112611291130
1131113311341141114311501154115611611163116411731178118411861192111011
1113111115122312381239124012521266126712681276127912801283128612871288 1
2901291129212961299121071210813213813111313131613171320132113251326132
7132813311333133413361337133813391421431441451461481491410141114121419
1420142114221424142514271428143214341438144214461447145115691596161169
1618162016231626162816311633163516361637163816411645164816511652165316
6116701671167216731674167516761677167916831687168816901691169216931694
1695169616104161051610616107161081611216114161151611616128172217331739
1794179717991711018418151816181718211824182618381839184318451869193019
3619481949195819761981208201420612098201142122216621672198222223226227
2282292210221122122214221522162217221822232225222822302232223422352236
2237223822392240224722522254225822592260226122622263226422652268226922
7022712272227322742275227622782314232323242332233823912311623117242245
2472492410241324142415241724182420242124222425243024312432243324352436
2437243824392440244124422443244424452448245024512452245324542455245824
5924612462246325172541255525682570257126892693261082611026126261312614
4261502616326179262132622727827927242726273027362743274527462747276027
6127622763276427652779278727882813282728302849285028562860286828702871

2872287628772878288028812882288728882932952962910291129162917291929202
9222923292429252929293629402941294229442945295029602961296229632965296
7296829693053063083093010301130173029303030373038303930403043304830503
0543056305930603163193111311231163118312031213122312331253126312731283
1293130313131323133313432433133233333433533633933123315331733183319332
1332233233324332533273329333033333334333533363337333833393340334133463
3473348335033513352335333543355335633573359336233633364336633693370337
1337334834223424342734473513523533543553583511351335153517351835223527
3528352935313532353835403541354335443545364736743723373537403774378637
1023712637128371523715937160371693826386539139239339439639739103911391
4391639173918392039213922392339263929393239353936393739383942394339453
9473952395339563957396039613962396339643966396739684024044010401240144
0164017402040214022402840294031403340344035404340444045404840554056406
1406240634064406640694074407740784079408140854114411541194121412241284
1304133415242342542642842104213421542164217421942214223422442274231423
6424042444246424742514253436343644387441844194442452455456458451045124
5144519452245234526453245354624644654684610461346174621462346264628463
1463246334714734744774794710471147124716471947214723472647284729473247
3347344738482483484485486487481048114814481548164817481848194820482148
2348244825482648274829491493497498499491049124913491449154916491749185
0265150515151585227524353235326535857557957105711571457165717571857205
7215722572457255727572857295815825845855865875885895810581158125813581
4581558165817581858195820582158225925935945955965975985913591659185919
5921592259235924604606607608609601060116012601361361461561661761861116
1136114624625629621062116316326346356366376396311646647641164126413641
4641664176516526536546556576510651165126616626636646666686610661167967
2667287037137147115712572472572772127218721972227223732074317456766769
7611763079258129877882491139589614982985988104611011102112111 22”

You can also access this 5732 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Evidence_7.3.1.A.txt

5.1.1.2 The Evidence of Allah words positions over all the 6348 verses:

The same exact coding pattern of the previous evidence also exist in all the 6348 verses. As a general rule of this book, I always try any coding pattern of any independent evidence in both of the text types (All the 6348 verses and 6236 numbered verses) of Quran. Now as per the rule, I try the same coding pattern in all the 6348 verses of Quran as well. Although the coding pattern is the same as the previous evidence, I will again illustrate the default concatenation coding pattern applied in this evidence as follows:

[Chapter i1 | Verses j1 (chapter and verse indexes of the first verse that has Allah word in it)] [Chapter i2 | Verses j2 (chapter and verse indexes of the second verse that has Allah word in it)] . . . . . [Chapter iN | Verse jN (chapter and verse indexes of the last verse with an Allah word in it)]

Here, i1 is chapter index and j1 is the special verse index of the first verse that has Allah word in it. Also, i2 is chapter index and j2 is the special verse index of the second verse that has Allah word in it. Lastly, iN is the chapter index and jN is the special verse index of the last verse that has Allah word in it. If we use the real numbers in the above formula, it would be like this regarding the text type of the 6348 verses:

[1 | 1] [2 |] . . . . . [114 |]

As always, we do not use any number for the index of the unnumbered Basmala verses as per the universal rule of this book. Therefore in the illustration above, we only placed the chapter index as 2 but left the verse index as empty for the second verse in Quran with Allah word in it. The last Basmala verse is the last verse in Quran with Allah word in it. As we see above the last entry again only has the chapter index, which is 114, but no special verse index. Then the final coding number after all the concatenation would look like this:

112 114

I also provide my single summary that better illustrates this evidence, which I had also tweeted, as follows:

As I prove below, the same coding pattern of the previous evidence in the text type of 6236 numbered verses also exist in the text type of all the 6348 verses too.

```
#The required numbers for this evidence are in the yunQ object.
x<- yunQ #all 6348 verses
tv <-c()
for(j in 1:nrow(x)) {
  if(x$verse[j] != 0){#for all the numbered verses
    tmp <- paste0(x$Chapter[j], x$verse[j])
  }else{#For unnumbered Basmala verses
    tmp <- paste0(x$Chapter[j]) }
  tv <- c(tv,tmp)
}
# head and tail sides of numbers of each verse
cat("The head of the table for Allah word positions: ",head(tv))

## The head of the table for Allah word positions:  11 2 27 29 210 215

cat("The tail of the table for Allah word positions: ",tail(tv))

## The tail of the table for Allah word positions:  111 112 1121 1122
113 114

tmp <- paste0(tv, collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 5964
```

The resulting 5964 digits length big number is multiple of 19.

Considering the previous evidence in the 6236 numbered verses and this evidence in the 6348 verses, we witnessed two evidences with the same exact coding pattern in both of the text types (6348 and 6236) of Quran, which suggest that the exact positions of the word Allah are under 19 based coding system of the text of Quran. In these evidences, in total we observed 3244 verses that include Allah words in them considering their exact chapter and special verse indexes. Since this special word, Allah, spread through the text of Quran as if a skeleton of the text, it also somewhat supports the accuracy and intactness of all the verses and chapters of Quran. Because, if any one of the 6348 or 6236 verses were removed, the considered verses would be shifted and these codings would most likely not hold anymore.

Only the last 5 verses would not be fully supported by these evidences as they are in the tail of the text and does not contain Allah word in it other than the first unnumbered Basmala verse in the beginning of the last chapter. However,that Basmala suggest that there should be a chapter following it too and thus still supports the existence of the last chapter too.

As an interesting **fact**, since these two evidences of the same coding pattern are related to each other, I generally test the relation between them too just to see if there is a *fact*. As we see the digit length of these numbers 5732 and 5964 have a 19 based coding relation. When we concatenate them, the resulting number is 57325964 and it is also multiple of 19, which is just an interesting *fact*.

Also, here is the 5964 digits length big coding number of this evidence:

“112272921021521722022322622725526026126426727027327427527627727928028
328528828929029129429729821012102210321062107210921102114211521162118 2
120213221372138213921402143214421482149215321542158215921612164216521 6
721692170217321742176218121822185218721892190219221942195219621972198 2
199220022032204220622072209221022112213221422152217221822192220222222 2
322242225222622272228222922302231223322352237223922422243224422452246 2
247224922512252225322552257225822592260226122622265226622672270227222 7
322752276227822792281228222832284228633234353739310311313315318319321 3
233283293303313323333373393403423453473493503513523543553593613623633 6
437037337537637737837938138338638738939239439539739839931013102310331 0
731083109311231133116311731193120312231233126313031323135314031413142 3
144314531463148315031523154315531563157315831593160316231633164316531 6
631673169317031713173317431763177317931803181318231833187319131953198 3
199320044145494114124134144154164174194234244264284294304324334434354 3
643743944044244344644744844945045245445645845946146346446947047247347 4
475476477478479480481482483484485486487488489490492493494495496497499 4
100410241034104410541064107410841094110411141134114411641184119412241 2
341254126412741284129413041314133413441354137414041414142414341464147 4
148414941504152415341554157415841604164416541664167416841694170417141 7
341765515253545657585951151251351451551651751852052152352752853153353 4
535538539540541542543544545547548549550551552554555556557560564567571 5
725735745765805855875885895915925945955965975985100510151035104510551 0
651085109511051125115511651175119663614617619621631633634635636637639 6
406466476506536566626646706716806886906916936956102610761086109611161 1
461166118611961216124612561286136613761386140614261446145614861506151 6
152615761596164772672873073273373774374474574975075475675976276576977 0
771773774785786787789799710171057131714071587164716971787185718671877 1
887189719071947196881828781081381681781881982082282382482582782882983 0

833834836837839840842843844845846847848849851852853855858860861862863864
866868869870871872874875919293949596979991491591691791891992092292492592
692792892993093193293493693793894094194394694895195295595996096196396496
796897097197297497597797897998098198398598999099399499699799991009102910
491059106910791099111911291159116911791189119912091219123912791291010310
410510610111016101710181021102210271030103110321034103510361037103810441
045104610491055105810591060106210641066106810691071107210811082108510951
010010104101061010710109111121141161113111411181119112011261129113011311
33113411411143115011541156116111631164117311781184118611921110111113111
51212231238123912401252126612671268127612791280128312861287128812901291
129212961299121071210813132138131113131316131713201321132513261327132813
311333133413361337133813391414214314414514614814914101411141214191420142
114221424142514271428143214341438144214461447451151569159616161169161816
201623162616281631163316351636163716381641164516481651165216531661167016
711672167316741675167616771679168316871681691691169216931694169516961610
41610516106161071610816112161141611516116128171722173317391794179717991
711018184181518161817182118241826183818391843184518691919301936194819491
958197619812020820142061209820114212122216621672198222222232262272282292
210221122122214221522162217221822232252228223022322234223522362237223822
392240224722522254225822592260226122622263226422652268226922702271227222
732274227522762278232314232332423322338239123116231172424224524724924102
413241424152417241824202421242224252430243124322433243524362437243824392
440244124422442244524502451245224532454245524582459246124622463252517254
125552568257025712626892693261082611026126261312614442615026163261792621
326227272782792724272627302736274327452746274727602761276227632764276527
792787278828132827283028492850285628602868287028712872287628772878288028
812882288728882929329529629102911291629172919292029222923292429252929293
6294029412942294429452950296029612962296329652967296829693030530630830
9301030113017302930303037303830393040304330483050305430563059306031316
3193111311231163118312031213122312331253126312731283129313031313231331
3134323243333133233333433533633933123315331733183319332133223323332433
2533273329333033333334333533363337333833393340334133463347334833503351
3352335333543355335633573359336233633364336633693370337133733434834223
4243427344735351352353354355358351135133515351735183522352735283529353
1353235383540354135433544354536364736743737233735374037743786371023712
6371283715237159371603716938382638653939139239339439639739103911391439
1639173918392039213922392339263929393239353936393739383942394339453947
3952395339563957396039613962396339643966396739684040240440104012401440
1640174020402140224028402940314033403440354043404440454048405540564061

4062406340644066406940744077407840794081408541411441154119412141224128
4130413341524242342542642842104213421542164217421942214223422442274231
4236424042444246424742514253434363436443874444184419444245452455456458
4510451245144519452245234526453245354646246446546846104613461746214623
4626462846314632463347471473474477479471047114712471647194721472347264
7284729473247334734473848482483484485486487481048114814481548164817481
8481948204821482348244825482648274829494914934974984994910491249134914
4915491649174918505026515150515151585252275243535323532653585455565757
5579571057115714571657175718572057215722572457255727572857295858158258
4585586587588589581058115812581358145815581658175818581958205821582259
5925935945955965975985913591659185919592159225923592460604606607608609
6010601160126013616136146156166176186111611361146262462562962106211636
3163263463563663763963116464664764116412641364146416641765651652653654
6556576510651165126666166266366466666866106611676796726672868697070371
7137147115712572724725727721272187219722272237373207474317456757676676
9761176307778797925808181298283848586878778888248990919113929394959589
6961497989829859889910010110210310410461051061071081091101101110211111
211211122113114”

You can access this 5964 digits length big number from the following link. One can just copy the big number and paste it into a web based big number calculator and test it herself.

https://github.com/quran2019/Quran19/blob/master/Evidence_7.3.1.A2.txt

5.1.1.2.1 Fact: All the indices of Allah words positions together:

In the previous evidences, we observed the design with chapter and special verse indexes. There is also another interesting coding I will present in this section only as a **fact**, which shows the similar coding pattern also exist considering all the position indexes, namely, general verse index, chapter and special verse indexes together.

In the code below, you will see that, when we concatenate the general verse index, chapter and special verse indexes of Allah words in the natural order, considering all the 6348 verses, then the resulting big number is also multiple of 19. Here is the code for this fact:

```
#The required numbers for this evidence are in the yunQ object.
x<- yunQ #all 6348 verses
tv <-c()
for(j in 1:nrow(x)) {
  if(x$verse[j] != 0){#for all the numbered verses
    tmp <- paste0(x$VerseI[j],x$Chapter[j], x$verse[j])
  }else{#For unnumbered Basmala verses
```

```
    tmp <- paste0(x$VerseI[j], x$Chapter[j])
  }
  tv <- c(tv,tmp)
}
# head and tail sides of numbers of each verse
cat("The head of the table for Allah word positions: ",head(tv))

## The head of the table for Allah word positions:  11 2 27 29 210 215

cat("The tail of the table for Allah word positions: ",tail(tv))

## The tail of the table for Allah word positions:  111 112 1121 1122
113 114

tmp <- paste0(tv, collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 5964
```

Also, here is the 5964 digits length big number of this fact:

“1122729210215217220223226227255260261264267270273274275276277279280283285288289290291294297298210121022103210621072109211021142115211621182120213221372138213921402143214421482149215321542158215921612164216521672169217021732174217621812182218521872189219021922194219521962197219821992200220322042206220722092210221122132214221522172218221922202222222322242225222622272228222922302231223322352237223922422243224422452246224722492251225222532255225722582259226022612262226522662267227022722273227522762278227922812282228322842286332343537393103113133153183193213233283293303313323333373393403423453473493503513523543555359361362363364370373375376377378379381383386387389392394395397398399310131023103310731083109311231133116311731193120312231233126313031323135314031413142314431453146314831503152315431553156315731583159316031623163316431653166316731693170317131733174317631773179318031813182318331873191319531983199320044145494114124134144154164174194234244264284294304324334435436437439440442443446447448449450452454456458459461463464469470472473474475476477478479480481482483484485486487488489490492493494495496497499410041024103410441054106410741084109411041114113411441164118411941224124

341254126412741284129413041314133413441354137414041414142414341464147 4
148414941504152415341554157415841604164416541664167416841694170417141 7
341765515253545657585951151251351451551651751852052152352752853153353 4
535538539540541542543544545547548549550551552554555556557560564567571 5
725735745765805855875885895915925945955965975985100510151035104510551 0
651085109511051125115511651175119663614617619621631633634635636637639 6
406466476506536566626646706716806886906916936956102610761086109611161 1
461166118611961216124612561286136613761386140614261446145614861506151 6
152615761596164772672873073273373774374474574975075475675976276576977 0
771773774785786787789799710171057131714071587164716971787185718671877 1
887189719071947196881828781081381681781881982082282382482582782882983 0
833834836837839840842843844845846847848849851852853855858860861862863 8
648668688698708718728748759192939495969799914915916917918919920922924 9
259269279289299309319329349369379389409419439469489519529559599609619 6
396496796897097197297497597797897998098198398598999099399499699799991 0
091029104910591069107910991119112911591169117911891199120912191239127 9
129101031041051061011101610171018102110221027103010311032103410351036 1
037103810441045104610491055105810591060106210641066106810691071107210 8
110821085109510100101041010610107101091111211411611131114111811191120 1
126112911301131113311341141114311501154115611611163116411731178118411 8
611921110111113111151212231238123912401252126612671268127612791280128 3
128612871288129012911292129612991210712108131321381311131313161317132 0
132113251326132713281331133313341336133713381339141421431441451461481 4
914101411141214191420142114221424142514271428143214341438144214461447 1
451151569159616161169161816201623162616281631163316351636163716381641 1
645164816511652165316611670167116721673167416751676167716791683168 7
816901691169216931694169516961610416105161061610716108161121611416115 1
611616128171722173317391794179717991711018184181518161817182118241826 1
838183918431845186919193019361948194919581976198120208201420612098201 1
421212221662167219822222223226227228229221022112212221422152216221722 1
822232225222822302232223422352236223722382239224022472252225422582259 2
260226122622263226422652268226922702271227222732274227522762278232314 2
323232423322338239123116231172424224524724924102413241424152417241824 2
024212422242524302431243224332435243624372438243924402441244224432444 2
445244824502451245224532454245524582459246124622463252517254125552568 2
570257126268926932610826110261262613126144261502616326179262132622727 2
782792724272627302736274327452746274727602761276227632764276527792787 2
788282813282728302849285028562860286828702871287228762877287828802881 2
882288728882929329529629102911291629172919292029222923292429252929293 6
294029412942294429452950296029612962296329652967296829693030530630830 9

3010301130173029303030373038303930403043304830503054305630593060313163
1931113112311631183120312131223123312531263127312831293130313131323133
3134323243333133233333433533633933123315331733183319332133223323332433
2533273329333033333334333533363337333833393340334133463347334833503351
3352335333543355335633573359336233633364336633693370337133733434834223
4243427344735351352353354355358351135133515351735183522352735283529353
1353235383540354135433544354536364736743737233735374037743786371023712
6371283715237159371603716938382638653939139239339439639739103911391439
1639173918392039213922392339263929393239353936393739383942394339453947
3952395339563957396039613962396339643966396739684040240440104012401440
1640174020402140224028402940314033403440354043404440454048405540564061
4062406340644066406940744077407840794081408541411441154119412141224128
4130413341524242342542642842104213421542164217421942214223422442274231
4236424042444246424742514253434363436443874444184419444245452455456458
4510451245144519452245234526453245354646246446546846104613461746214623
4626462846314632463347471473474477479471047114712471647194721472347264
7284729473247334734473848482483484485486487481048114814481548164817481
8481948204821482348244825482648274829494914934974984994910491249134914
4915491649174918505026515150515151585252275243535323532653585455565757
5579571057115714571657175718572057215722572457255727572857295858158258
4585586587588589581058115812581358145815581658175818581958205821582259
5925935945955965975985913591659185919592159225923592460604606607608609
6010601160126013616136146156166176186111611361146262462562962106211636
3163263463563663763963116464664764116412641364146416641765651652653654
6556576510651165126666166266366466666866106611676796726672868697070371
7137147115712572724725727721272187219722272237373207474317456757676676
9761176307778797925808181298283848586878778888248990919113929394959589
6961497989829859889910010110210310410461051061071081091101101110211111
211211122113114”

5.1.1.3 The Evidence of Al-Rahman words positions over all the 6348 verses

Now, we will witness that the same coding pattern of the previous evidence also exist in all the 6348 verses of Quran considering only Al-Rahman words just like we had witnessed for Allah word positions. Basically we will concatenate the chapter and verse indexes of the verses with Al-Rahman words and the resulting big number is also multiple of 19.

Although the pattern is the same as the previous evidence, I will again illustrate the default concatenation coding pattern applied in this evidence as follows:

[Chapter i1 | Verses j1 (chapter and verse indexes of the first verse that has Al-Rahman word in it)] [Chapter i2 | Verses j2 (chapter and verse indexes of the second verse that has Al-Rahman word in it)] . . . . . [Chapter iN | Verse jN (chapter and verse indexes of the last verse with an Al-Rahman word in it)]

Here, i1 is chapter index and j1 is the verse index of the first verse that has Al-Rahman word in it. Also, i2 is chapter index and j2 is the verse index of the second verse that has Al-Rahman word in it. Lastly, iN is chapter index and jN is the verse index of the last verse that has Al-Rahman word in it. If we use the real numbers in the above formula, it would be like this regarding the text type of the 6348 verses:

[1 | 1] [1 | 3] . . . . . [114 |]

As always, we do not use any number for the index of the unnumbered Basmala verses as per the universal rule of this book. Therefore in the illustration above, we only placed the chapter index as 114 but left the verse index as empty for the last verse in Quran with Al-Rahman word in it, which is the last Basmala verse is the last chapter in Quran. Then the final coding number after all the concatenation would look like this:

1113 114

I also provide my single summary that better illustrates this evidence, which I had also tweeted, as follows:

Here is the reproducible proof of the evidence:

```r
#The required numbers for this evidence are in the yunQ2 object.
x<- yunQ2 #all 6348 verses
tv <-c()
for(j in 1:nrow(x)) {
  if(x$verse[j] != 0){#for all the numbered verses
    tmp <- paste0(x$Chapter[j], x$verse[j])
  }else{#For unnumbered Basmala verses
    tmp <- paste0(x$Chapter[j])
  }
  tv <- c(tv,tmp)
}
# head and tail sides of numbers of each verse
cat("The head of the table for Al-Rahman word positions: ",head(tv))

## The head of the table for Al-Rahman word positions:  11 13 2 2163 3
4

cat("The tail of the table for Al-Rahman word positions: ",tail(tv))

## The tail of the table for Al-Rahman word positions:  109 110 111
112 113 114

tmp <- paste0(tv, collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 406
```

As we witnessed, the resulting 406 digits length big number is multiple of 19. Also, below is the 406 digits length big number of this evidence. One can just copy the big number and paste it into a web based big number calculator and test it herself.

“1113221633456781011121314151617171101819194519581961196919751978198519871988199319962020520902010921212621362142211122223242525592560256326265272730282930313233343536361136153623365237383940414124243431943204336434544454647484950503351525354555515657585959226061626364656667673671967206729686970717273747576777878377838798081828384858687888990919293949596979899100101102103104105106107108109110111112113114”

You can access this 406 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Evidence_7.3.1.B.txt

5.1.1.3.1 Fact: The sums concatenation of Al-Rahman words positions

In the previous evidence, we observed that when we concatenate the chapter and verse indexes of Al-Rahman words, the resulting big coding number is multiple of 19. A potentially interesting fact is that if we concatenate the sum of each position indexes of chapters and verses and concatenate instead of directly concatenating, the resulting big number is still multiple of 19. However, this is just an interesting fact but not an evidence as the pattern is not withing the defined rules of this book.

```
#The required numbers for this evidence are in the yunQ2 object.
x<- yunQ2[,c(2,3)] #all 6348 verses
tmp <-c()
for(i in 1:nrow(x) ) tmp <- c(tmp,sum(x[i,]) )
# head and tail sides of numbers of each verse
cat("The head of the table for Al-Rahman word each position's sums:
",head(tmp))

## The head of the table for Al-Rahman word each position's sums:  2 4
2 165 3 4

cat("The tail of the table for Al-Rahman word each positions's sums:
",tail(tmp))

## The tail of the table for Al-Rahman word each positions's sums:
109 110 111 112 113 114

tmp <- paste0(tmp, collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 332
```

Below is the 332 digits length big number of this fact.

“2421653456781011121314151617127181964778088949710410610711211520251101292147576313322232425848588263127572829303132333435364751598837383940414342436263798844454647484950835152535455565657585981606162636465666 7

708687966869707172737475767778115116798081828384858687888990919293949596979899100101102103104105106107108109110111112113114”

5.1.1.4 The Evidence on Allah and/or Al-Rahman words positions together:

Now, in this evidence, we will witness that the same coding pattern of the previous 3 evidences on Allah word positions and Al-Rahman word positions also exist in the numbered 6236 verses of Quran if we consider these two words together, namely, Allah and/or Al-Rahman words together in them too. The rationale of this test was explained in the beginning of this chapter along with its special rules.

Let me illustrate the default concatenation coding pattern applied in this evidence too. As always in the natural order as follows:

> [Chapter i1 | Verses j1 (chapter and verse indexes of the first verse with an Allah and/or Al-Rahman word in it)] [Chapter i2 | Verses j2 (chapter and verse indexes of the second verse with an Allah and/or Al-Rahman word in it)] . . . . . [Chapter iN | Verse jN (chapter and verse indexes of the last verse with an Allah and/or Al-Rahman word in it)]

Here, i1 is chapter index and j1 is the verse index of the first verse that has Allah and/or Al-Rahman word in it. Also, i2 is chapter index and j2 is the verse index of the second verse that has Allah and/or Al-Rahman word in it. Lastly, iN is chapter index and jN is the verse index of the last verse that has Allah and/or Al-Rahman word in it. If we use the real numbers in the above formula, it would be like this regarding the text type of the 6236 verses:

> [1 | 1] [1 | 3] . . . . . [112 | 2]

And, the final number after all the concatenation would look like this:

> 1127 1122

I also provide my single summary that better illustrates this evidence, which I had also tweeted, as follows:

Here is the proof of this evidence, which shows that the positions of either Allah or Al-Rahman words together were coded with the exact same coding pattern of the previous evidences.

```
#The required numbers for this evidence are in the ynQ4 object.
x<- ynQ4 #6236 numbered verses
tmp <- paste0(x$Chapter,x$verse)
# head and tail sides of numbers of each verse
cat("The head of the table for Allah and/or Al-Rahman word positions:
",head(tmp))

## The head of the table for Allah and/or Al-Rahman word positions:
11 13 27 29 210 215

cat("The tail of the table for Allah and/or Al-Rahman word positions:
",tail(tmp))

## The tail of the table for Allah and/or Al-Rahman word positions:
988 1046 1101 1102 1121 1122

tmp <- paste0(tmp, collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))
```

```
## number of digits on this big number is 5887
```

As we witnessed, the resulting 5887 digits length big number is multiple of 19. Now considering the four codings evidences, we witnessed that Allah and Al-Rahman words are under 19 based system, which together further proves the intactness of Quran along with all the rest of the evidences.

Also, below is the 5887 digits length big number of this evidence. One can just copy the big number and paste it into a web based big number calculator and test it herself.

“11132729210215217220223226227255260261264267270273274275276277279280
2832852882892902912942972982101210221032106210721092110211421152116211
8212021322137213821392140214321442148214921532154215821592161216321642
1
6521672169217021732174217621812182218521872189219021922194219521962197
2198219922002203220422062207220922102211221322142215221722182219222022
2222232224222522262227222822292230223122332235223722392242224322442245
2246224722492251225222532255225722582259226022612262226522662267227022
7222732275227622782279228122822283228422863234353739310311313315318319
3213233283293303313323333373393403423453473493503513523543553593613623
6336437037337537637737837938138338638738939239439539739839931013102310
3310731083109311231133116311731193120312231233126313031323135314031413
1423144314531463148315031523154315531563157315831593160316231633164316
5316631673169317031713173317431763177317931803181318231833187319131953
1983199320041454941141241341441541641741942342442642842943043243343443
5436437439440442443446447448449450452454456458459461463464469470472473
4744754764774784794804814824834844854864874884894904924934944954964974
9941004102410341044105410641074108410941104111411341144116411841194122
4123412541264127412841294130413141334134413541374140414141424143414641
4741484149415041524153415541574158416041644165416641674168416941704171
4173417651525354565758595115125135145155165175185205215235275285315335
3453553853954054154254354454554754854955055155255455555655756056456757
1572573574576580585587588589591592594595596597598510051015103510451055
1065108510951105112511551165117511963614617619621631633634635636637639
6406466476506536566626646706716806886906916936956102610761086109611161
1461166118611961216124612561286136613761386140614261446145614861506151
6152615761596164726728730732733737743744745749750754756759762765769770
7717737747857867877897997101710571317140715871647169717871857186718771
8871897190719471968182878108138168178188198208228238248258278288298308
3383483683783984084284384484584684784884985185285385585886086186286386
4866868869870871872874875919293949596979991491591691791891992092292492
5926927928929930931932934936937938940941943946948951952955959960961963

964967968970971972974975977978979980981983985989990993994996997999100
910291049105910691079109911191129115911691179118911991209121912391279 1
291031041051061011101610171018102110221027103010311032103410351036103 7
103810441045104610491055105810591060106210641066106810691071072108110
821085109510100101041010610107101091121141161113111411181119112011261 1
291130113111331134114111431150115411561161116311641173117811841186119 2
111011111311115122312381239124012521266126712681276127912801283128612 8
712881290129112921296129912107121081321381311131313161317132013211325 1
326132713281331133313341336133713381339142143144145146148149141014111 4
121419142014211422142414251427142814321434143814421446144714511569159 6
161169161816201623162616281631163316351636163716381641164516481651165 2
165316611670167116721673167416751676167716791683168716881690169116921 6
931694169516961610416105161061610716108161121611416115161161612817221 7
331739179417971799171101841815181618171821182418261838183918431845186 9
193019361945194819491958196119691975197619781981198519871988199319962 0
520820142061209020982010920114212221262136214221662167219821112222223 2
262272282292210221122122214221522162217221822232225222822302232223422 3
522362237223822392240224722522254225822592260226122622263226422652268 2
269227022712272227322742275227622782314232323242332233823912311623117 2
422452472492410241324142415241724182420242124222425243024312432243324 3
524362437243824392440244124422443244424452448245024512452245324542455 2
458245924612462246325172541255525592560256325682570257126526892693261 0
826110261262613126144261502616326179262132622727827927242726273027362 7
432745274627472760276127622763276427652779278727882813282728302849285 0
285628602868287028712872287628772878288028812882288728882932952962910 2
911291629172919292029222923292429252929293629402941294229442945295029 6
029612962296329652967296829693053063083093010301130173029303030373038 3
039304030433048305030543056305930603163193111311231163118312031213122 3
123312531263127312831293130313131323133313432433133233333433533633933 1
233153317331833193321332233233324332533273329333033333334333533363337 3
338333933403341334633473348335033513352335333354335533563357335933623 36
333643366336933703371337334834223424342734473513523533543553583511351 3
351535173518352235273528352935313532353835403541354335443545361136153 6
233647365236743723373537403774378637102371263712837152371593716037169 3
826386539139239339439639739103911391439163917391839203921392239233926 3
929393239353936393739383942394339453947395239533956395739603961396239 6
339643966396739684024044010401240144016401740204021402240284029403140 3
340344035404340444045404840554056406140624063406440664069407440774078 4
079408140854124114411541194121412241284130413341524234254264284210421 3
421542164217421942214223422442274231423642404244424642474251425343194 3

2043364345436343644387441844194442452455456458451045124514451945224523
4526453245354624644654684610461346174621462346264628463146324633471473
4744774794710471147124716471947214723472647284729473247334734473848248
3484485486487481048114814481548164817481848194820482148234824482548264
8274829491493497498499491049124913491449154916491749185026503351505151
5158522752435323532653585515755795710571157145716571757185720572157225
7245725572757285729581582584585586587588589581058115812581358145815581
6581758185819582058215822592593594595596597598591359165918591959215922
5923592460460660760860960106011601260136136146156166176186111611361146
2462562962106211631632634635636637639631164664764116412641364146416641
7651652653654655657651065116512661662663664666668661066116736796719672
0672667286729703713714711571257247257277212721872197222722373207431745
6766769761176307837783879258129877882491139589614982985988104611011102
11211122”

You can access this 5887 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Evidence_7.3.1.C.txt

5.1.2 Evidence on Allah and Al-Rahman word positions regarding general verse indexes

This evidence suggest that the *general* verse indexes of the verses which includes Allah words and also Allah and/or Al-Rahman words together are also under 19 based design. Basically, we will only look at the general verse indexes alone. Although these general verse indexes are not primary, they are still real numbers and corresponds to chapter and special verse indexes as both might help us locate a particular verse. However, general verse indexes can only be considered as secondary and cannot be the same as chapter and special verse indexes as they are the default natural way of referring to a particular verse. Remember that in the evidences of this main chapter, Chapter 5.1, we always use the numbers from the three tables, Allah only, Al-Rahman only, and also Allah and/or Al-Rahman words together. In this sub-chapter, when we consider the general verse indexes, we will witness that the same coding pattern also exist regarding Allah word only and also Allah and/or Al-Rahman words together.

As we will witness, 2 out of 6 trials are successful considering the general verse indexes with the same coding pattern. This means the probability of such an observation alone is 0.036 and still statistically significant if we consider only these evidences independently.

```
tmp <-binom.test(2, 6,p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
```

```
cat(paste("The probability of 2 success out of
          6 tests (with p=1/19) is:", tmp))

## The probability of 2 success out of
##           6 tests (with p=1/19) is: 3.61e-02
```

Let's also add these numbers to the counters that we will use them in the probability calculations of the system in this book.

```
#counters to compute the overall probability
AllahWordEvidenceTrials <- AllahWordEvidenceTrials + 6
AllahWordEvidenceSuccesses <- AllahWordEvidenceSuccesses + 2
```

Now, in the following, I will present the evidences regarding each of the two numbers from the tables we had obtained in the main chapter.

5.1.2.1 Evidence on Allah word positions over the general verse indexes:

This evidence tests whether the general verse indexes, in which there is Allah words in it, has also 19 based coding. As we will see below, there is the same coding pattern considering the numbered 6236 verses. When we concatenate each general verse indexes in the 6236 numbered verses, the resulting big number is also multiple of 19. Here, the general verse index replaces the chapter and special verse indexes in the previous main evidences. Because, we use the chapter and special verse indexes to locate and refer to a verse. The general verse index also has that capability if used instead of the chapter and special verse indexes. Therefore, we tested these but it is never the main evidence regarding Allah word positions. Because, we naturally use the chapter and special verse indexes but not the general verse indexes in general. Current evidence suggest that the positions of verses with Allah words in the numbered 6236 verses are also under the 19 based design with respect to the general verse indexes too.

Let me also illustrate the default concatenation coding pattern applied in this evidence.

> [General Verse index j1] [General Verse index j2] . . . . . [General Verse index jN (last verse with an Allah word in it)]

Here, j1 is the general verse index of the first verse that has Allah word in it. Also, j2 is the general verse index of the second verse that has Allah word in it. Lastly, jN is the general verse index of the last verse that has Allah word in it. If we use the real numbers in the above formula, it would be like this regarding the text type of the 6236 verses:

> [1] [14] . . . . . [6223]

And, the final number after all the concatenation would look like this:

114 6223

I also provide my single summary that better illustrates this evidence, which I had also tweeted, as follows:

Here is the reproducible proof of this evidence:

```
# ynQ is for Allah word for numbered verses
y <- ynQ #from 6236 numbered verses
tmp<- y$Gen_verseI
# head side of numbers of each verse
head(tmp)

## [1]  1 14 16 17 22 24

tail(tmp)

## [1] 6138 6185 6214 6215 6222 6223

tmp <- paste0(tmp, collapse = "")
#mod 19  must be zero
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

One more **interesting fact** on this big number is that the length of this big number is **5719** and it is also multiple of 19 as 19x301. A further fact is that if we look at the verse 57:19, the *general verse index* of it is 5149, which is also multiple of 19. Moreover the digit sum of 5149 is also exactly 19. Since the evidence of these *facts* is about the general verse indexes, these small facts looked also interesting to me and thus shared them too.

Also, below is the 5719 digits length big number of this evidence. One can just copy the big number and paste it into a web based big number calculator and test it herself.

“1141617222427303334626768717477808182838486879092959697981011041051081091101131141161171211221231251271391441451461471501511551561601611651661681711721741761771801811831881891921941961971992012022032042052062072102112132142162172182202212222242252262272292302312322332342352362372382402422442462492502512522532542562582592602622642652662672682692722732742772792802822832852862882892902912932952972983003023033043063083113123143163213223233243253263303323333353383403423433443453473483523543553563573633663683693703713723743763793803823853873883903913923943953964004014024054064094104124134154164194234254284334344354374384394414434454474484494504514524534554564574584594604624634644664674694704724734744754764804844884914924934944985025045055065075085095105125165175195215225235255265275285295305325335355365395405415425435455475495515525545565575625635655665675685695705715725735745755765775785795805815825835855865875885895905925935955965975985996006016026036046066076096116126156166186196206216226236246266276286306336346356366396406416426436456466486506516536576586596606616626636646666696706716726736756766776786807808168268368468568668768969069269669770070270370470770870971071171271371471671771871972072172372472572672973373674074174274374574975475675775876076176376476576676776977077277377477577777877978178478578678879280380680881081082082282382482582682882983583683984284585185385986086987787988008008280882889189689789890090390590790891091391491792592692792993193393493793994094194694895398098298498698799199799899910031004100810101013101610191023102410251027102810391040104110431053105510591085109411121118112311321139114011411142114311441148115011611162116711701173117611771178117911801182118311841185118711881189119011931194119611971199120012021203120412051206120712081209121112121213121512181220122112221223122412261228122912301231123212341235123612371238123912401241124212441249125012511252125312541255125712591260126112621263126412651266126712691271127212731275127612781281128312861287129012941295129612981299130213031305130613071309131013121313131413151316131813201324132513281329133113321334133513371339134013411342134413461347135013511352135313541355135613581362136413671368136913701375138013811382138513861391139413951396139813991399

1400140114021408140914101413141914221423142414261428143014321433143514
3614451446144914591464146814701471147314751477147914861487149114921493
1499150215031504150615071514151615231527152915341536153715461551155715
5915651574158615881619163416351636164816621663166416721675167616791682
1683168416861687168816921695170317041709171517181720172317241727172817
3217331734173517381740174117431744174517461752175317541755175617581759
1760176117621769177017711772177417751777177817821784178817921796179718
0118711898190219101919192119241927192919321934193619371938193919421946
1949195219531954196219711972197319741975197619771978198019841988198919
9119921993199419951996199720052006200720082009201320152016201720292051
2062206821232126212821392144215521562157216121642166217821792183218522
0922802286229822992308232623312356236224092446246225052549255025812597
2598260126022603260426052606260726092610261126122613261826202623262526
2726292630263126322633263426352642264726492653265426552656265726582659
2660266326642665266626672668266926702671267326872696269727052711276427
8927902793279627982800280128042805280628082809281128122813281628212822
2823282428262827282828292830283128322833283428352836283928412842284328
4428452846284928502852285328542872289629102923292529262302130253040304 2
3058306330763082309531113145315931673168318331853189319532023204320532
0632193220322132223223322432383246324732653279328233013302330833123320
3322332333243328332933303332333333343339334033433345334633503351335633
5733593360336233633364336533693376338033813382338433853390340034013402
3403340534073408340934143415341734183419342034263438343934463447344834
4934523457345934633465346834693475347834803481348534873489349034913492
3494349534963497349834993500350135023503350735343535353635373538353935
4235453548355035513552355435553556355735583560356235635356635673568356 9
3570357135723573357435793580358135833584358535863587358835893590359235
9535963597359936023603360436063614362836303633365336613662366336643665
3668367136733675367736783682368736883689369136923698370037013703370437
0537523779381138233828386238743890391439163940394739483957399640354059
4060406140624064406540684069407240744075407640784079408040814084408740
9040934094409540964100410141034105411041114114411541184119412041214122
4124412541264135413741434145414741494150415341544155416141624164416641
6741684176417741784181418841894194419541964197419942024207421042114212
4214421842324233423742394240424642484251427042754277427842804282428542
8742884289429142934295429642994303430843124316431843194323432543884389
4412443244334456447544784479448144834485448744924495449644994505450845
1245144515451845204523452745314533453645384541454245434546454845494552
4554455545564557456145644566456845714573457445774578457945834585458645
8745884589459045934594459745984599460046014602460346044606460746084609

461046124613461546194620462146224624462546264627462846294630465472547
264733476247784807481048425080508450855086508950915092509350955096509 7
509951005102510351045105510651085109511051115112511351145115511651175 1
185119512051215122512351245125512651285129513051315132513351345139514 2
514451455147514851495150515451565157515851595160516151625163516651675 1
685169517051715174517651775181518251865187518851895190519251935194519 5
519751995205520652105211521252135215521652185219522052215222522452275 2
285229523052315232523352355237523952405250526752695378542254235434544 4
545154525454545954655466546954705495552655515597560056025621573758295 9
555991605661066120613261356138618562146215622262 23”

You can access this 5719 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Evidence_7.3.2.A.txt

5.1.2.2 Evidence on Allah and/or Al-Rahman words positions together over the general verse indexes:

This evidence tests whether the general verse indexes, in which there is Allah and/or Al-Rahman words together have 19 based design. As we will see, there is a 19 based design considering all the 6348 verses. When we concatenate each of the resulting general verse indexes in the 6348 numbered verses, the big coding number is multiple of 19. This suggests the positions of verses with Allah and/or Al-Rahman words together are under the 19 based design with respect to the general verse indexes too.

Let me also illustrate the default concatenation coding pattern applied in this evidence.

> [General Verse index j1] [General Verse index j2] . . . . . [General Verse index jN (last verse with an Allah word in it)]

Here, j1 is the general verse index of the first verse that has Allah and/or Al-Rahman words in it. Also, j2 is the general verse index of the second verse that has Allah and/or Al-Rahman words in it. Lastly, jN is the general verse index of the last verse that has Allah and/or Al-Rahman words in it. If we use the real numbers in the above formula, it would be like this regarding the text type of the 6236 verses:

> [1] [3] . . . . . [6342]

And, the final number after all the concatenation would look like this:

> 13 6342

Here is the reproducible proof of this evidence:

```
# yunQ4 is for Allah and/or Al-Rahman words together
y <- yunQ4 #from all the 6348 verses
tmp<- y$Gen_verseI
# head side of numbers of each verse
head(tmp)

## [1]  1  3  8 15 17 18

tail(tmp)

## [1] 6325 6331 6332 6333 6336 6342

tmp <- paste0(tmp, collapse = "")
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

Also, below is the 6318 digits length big number of this evidence. One can just copy the big number and paste it into a web based big number calculator and test it herself.

“138151718232528313435636869727578818283848587889193969798991021051061
091101111141151171181221231241261281401451461471481511521561571611621 6
6167169171172173175177178181182184189190193195197198200202203204205206

2072082112122142152172182192212222232252262272282302312322332342352362
3723823924124324524725025125225325425525725926026126326526626726826927
0273274275278280281283284286287289290291292294295297299300302304305306
3083103133143163183232432532632732832332433533733403423443453463473493
5035435635735835936536837037137237337437637838138238438738939039239339
4396397398402403404407408411412414415417418421425427430435436437439440
4414434454474494504514524534544554574584594604614624644654664684694714
7247447547647747848248649049349449549649750150550750850951051151251351
5519520522524525526528529530531532533535536538539542543544545546548550
5525545555575595605655665685695705715725735745755765775785795805815825
8358458558658858959059159259359559659859960060160260360460560660760961
0612614615618619621622623624625626627629630631633636637638639642643644
6456466486496516536546566606616626636646656666676696726736746756766776
7968068168268468568668768868969069169369469670070170470670770871171271
3714715716717718720721722723724725727728729730733737740744745746747749
7537587607617627647657677687697707717737747767777787797817827837857887
8979079279479780881181381582582782882983083183383484084184484785085685
8864865874882884885887889896901902903905908910912913915918919922930931
9329349369389399429449459469519539589609869889909929939971003100410051
0091010101410161019102210251029103010311033103410451046104710491059106
1106510911100111811241129113811451146114711481149115011541156116711681
1691174117711801183118411851186118711891190119111921194119511961197120
0120112031204120612071209121012111212121312141215121612181219122012221
2251227122812291230123112331235123612371238123912411242124312441245124
6124712481249125112561257125812591260126112621264126612671268126912701
2711272127312741276127812791280128212831285128812901293129412971301130
2130313051306130913101312131313141316131713191320132113221323132513271
3311332133513361338133913411342134413461347134813491351135313541357135
8135913601361136213631365136913711372137513761377137813831388138913901
3931394139914021403140414061407140814091410141614171418142114271430143
1143214341436143814401441144314441453145414571467147214761478147914811
4821484148614881495149615001501150215081511151215131515151615231525153
2153615381543154515461555156015661568157415831595159715961629164416451
6461658167216731674168216851686168916921693169416961697169817021705171
3171417181720172617291731173417351738173917431744174517461749175117521
7541755175617571762176417651766176717681770177117721773177417811782178
3178417861787178917901794179618001804180818091813181518841911191519161
9241933193519381941194319461948195019511952195319561960196319661967196
8197619851986198719881989199019911992199419982002200320052006200720082
0092010201120192020202120222023202720292030203120432044206620772083213

8214121432154215621602171217221732177218021822194219521992201222522672
2972303231223152316232523282336234223432345234823522354235523602363236
6237123742380242724562464247524802502252425282538254425682569260026142
6152617261826212622262326242625262626272629263026312632263326382640264
3264526472649265026512652265326542655266226672669267326742675267626772
6782679268026832684268526862687268826892690269126932694270827172718272
6273227852810281128132815281828202822282328262827282828302831283328342
8352838284328442845284628482849285028512852285328542855285628572858286
1286328642865286628672868287128722874287528762878289529192933293729382
9412946294829492956296130453049306430663082308731003106311931353169318
3318431923193320832103214322032273229323032313244324532463247324832493
2633271327232783291330533083327332833343338334633483349335033543355335
6335833593360336533663367337033723373337733783383338433863387338933903
3913392339634033407340834093411341234173427342834293430343234343435343
6343734423443344534463447344834543466346734743475347634773480348534873
4913493349634973498350435073509351035143516351835193520352135233524352
5352635273528352935303531353235333537356435653566356735683569357035733
5763579358135823583358535863587358835893591359335943597359835993600360
1360236033604360536103611361236143615361636173618361936203621362336263
6273628363036333634363536373638364636603662366536853693369436953696369
7369837013704370637083710371137153720372137223724372537313733373437363
7373738373937503754376237863791381338233846385838633897390939253949395
1397539823983399240064032407140954096409740984099410141024105410641094
1114112411341154116411741184121412441274130413141324133413741384140414
2414741484151415241554156415741584159416141624163417141734175418141834
1854187418841914192419341994200420242044205420642144215421642194226422
7423242334234423542374240424542484249425042524256425742594271427242764
2784279428542874290430943124315431743184320432243254327432843294331433
3433543364339434343484352435643584359436343654366438543864402441144294
4304453445644744475449845164518452145224524452645284530453545384539454
2454845514554455645584559456245644567457145754577458045824585458645874
5904591459345944597459946004601460246064609461146134616461846194622462
3462446284629463146324633463446354636463946404643464444645464646474648 4
6494650465246534654465546564658465946604662466646674668466946714672467
3467446754676467746784704471147244774477547824785481248284835485848614
8934898495449555033513051355139514051415144514651475148515051515152515
4515551575158515951605161515625164515651665167516851695170517151725173 5
1745175517651775178517951805181518251835185518651875188518951905191519
6519952015202520452055206520752085212521452155216521752185219522052215
2225225522652275228522952305233523552365237524152425246524752485249525

0525152535254525552565258526052615267526852725273527452755277527852805
2815282528352845285528752905291529252935294529552965297529953015303530
4530653095315532553265332533453355337539054435446548854915492550355135
5175521552255245529553555365539554055465566556755985623562456655671567
4567656955697574857855786578958145836587959085909592959665992601560336
0406053607760806111613261456148617061826191619962006214622062266228623
1623462356244625662686277628162876291629763026310631463216322632363256
3316332633363366342”

You can access this 6318 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Evidence_7.3.2.B.txt

5.1.2.2.1 Facts related to the previous evidence:

Below are the two codings that might be related to the previous evidence of the Allah and/ or Al-Rahman words positions together over the general verse indexes. I do not consider them as evidence as the patterns are not within the rules but still looks interesting upon the previous evidence.

Fact 1:

In the above evidence, there is this further **fact**: If we concatenate the digit sum of the same general verse indexes, then the resulting big number is again multiple of 19 as shown below.

```
# yunQ4 is for Allah and/or Al-Rahman words together
y <- yunQ4 #from all the 6348 verses
tmp<- y$Gen_verseI
# head side of numbers of each verse
head(tmp)

## [1]  1  3  8 15 17 18

tmp <- sapply(tmp, digitsum)
tmp <- paste0(tmp, collapse = "")
# Test if mod 19 is 0:
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

Also, below is the 3216 digits length big number of this fact

“138689571047891415912159101112131516101215161718367102367910567911510
111213781213891314169101113151610111318101315171824567891045781011125 6
791011125678910111213147911137891011121416891113141516179121314171011 1
314161719111213151618203578911478101289101112138101113791112131416812 1
415161714171011121314161812131518201214151618192067811126791012137111 3
712131416891113151791011121314161718101112141516181912131516171819141 8
131617181920610121314678911157911121315168910111314161711121314151710 1
214151719111617192012131415161718192021131415161718192122141516171920 2
223678910111213157911121516910111213141517910121516171812131415161819 1
214151712131415161718192115161718192022141516181920212223151618192178 1
113141591011121314151691011121314161718101317111516171820152013141517 1
820212214151718202122231617182023241618202316101214151718191112141512 1
316191319211819191820212325231011121417101213151819131213141618202115 1
718191517221523251820212545610268115812457810111214158121121181313111 2
131415711131516171316101314151617191112131516171834679101245678910121 3
571012131467911121314158910111213141516914151617910111315161718101112 1
314161819111314161912151619567910135789111214678911138912131516910121 4
151617101213161718101112131519121316171819152021131617227891112131461 2
131481489101214169101213131417181418202114151719211920678148910121311 1
311151713151616121820171720221318151617201617181720212418192022232410 1
312131710161912151619201516171821141517181920161819202122151617181917 1
819202223251721239131718131521121617161618211517202215161718211619222 3
242323242526271920212327457891011341245671113569101416131481012149111 2
131711131617215111720881112121514111214171214151114171316131517161814 9
131718152122813141617111213141516171911121314191215171921131415161718 1
621231819202122232416192021222324251718202117171817142211121416191214 1
518192013141617182117181920222315161718192021222317192021222324181921 2
223252421172122162123242218121613151318410141219151615161361071416891 3
141516171814131420151114151613171618191115161719201217181913151620211 7
182021231516172110141516910151617181012141516171314161718191619201819 2
021152022171922232412151791315171810111314151617181911121314181819202 1
222315182124171819212223242518202124252691011121314101112141516171819 1
112141718191215161719201915172022212223242526111416181112161213141617 1
416171920212215191824201516212420272119251824222323109121819202122671 0
111478911121314811148910111516911161711121516171819121314131517141618 2
021151617236810111211121316141511121314161015181911131718201415192122 1
921151610131516911141617181113151619141914182021161819202110101911161 9
192025161812131517191217202115211518202223171922172123171922232418192 1
222527101112161912141719201415162021141516171819221417181920212223151 7
181920212324161822232425181920212223242515131722232124152220251924292 2

2311914181011141617181112131516181920121314161718192021131415161718192
0212214151617192021222315162124891112131415101213141516179101114151617
1810131516171213171819201213151617182013142021161718192122151617181920
2216171819202122232591112141714151613151618171619251920131418131416211
8192214202223271617221922242527242526291822292223252625121210142014912
1619141717258131016181215161619222217231824111014121314161314151815”

Fact 2:

In the above evidence for Allah words positions, we tested the general verse indexes. As another **fact**, if we test the corresponding special verse indexes of Allah word positions with the same concatenation pattern by concatenating each special verse indexes with Allah words in it over the 6236 numbered verses, the digit sum of the resulting big number is 12730 and it is multiple of 19 as 19x670. Here is the proof:

```
y <- ynQ #numbered verses
tmp<- y$verse
# head side of numbers of each verse
head(tmp)

## [1]  1  7  9 10 15 17

tmp <- paste0(tmp, collapse = "")
digitsum(tmp)

## [1] 12730

digitsum(tmp) %% 19 #mod 19 must be zero

## [1] 0
```

You can access this 3275 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Fact_7.3.2.fact.txt

5.1.3 Probability of the Evidences on Allah and Al-Rahman word positions and frequencies

In this section I will compute the probability of witnessing all the evidences on Allah and Al-Rahman word positions presented so far..

As I mentioned before, I had two special counters to keep the total number of tests and total number of successes. Using the two special counters and Binomial test, we can approximately calculate the probability of witnessing all those evidences of the 19 based coding system that exists on Allah and Al-Rahman word positions. These evidences **support** the overall **conclusion** of this book such that the text of Quran was designed from

the beginning and it is intact and unchanged for the last 1387 years (considering the date this book was first published in 2019) since Quran was first written in 632 according to the historical reports. Here is the probability of observing all of those 6 evidences by chance alone:

```
tmp <-binom.test(AllahWordEvidenceSuccesses,
                 AllahWordEvidenceTrials,
                 p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)

cat(paste("The probability of all the ", AllahWordEvidenceSuccesses,
"success out of all the", AllahWordEvidenceTrials, " tests (with
p=1/19) is:", tmp))

## The probability of all the  6 success out of all the 12  tests
(with p=1/19) is: 1.49e-05
```

As we see this is statistically significant probability and thus we conclude that the evidences we witnessed would not occur by chance and thus this suggests that it should have been designed by the Author of Quran and this conclusion supports the hypothesis that he protected it as he promised. Of course, this is my rational conclusion based on this probability and only God knows best.

Let's try something else for more skeptical people. One may argue that, why not also considering the frequencies of the words along with the positions. There is no such code exist. But if we also consider them, we should consider that as a second basket of events. Because all the events we observed with position indexes only but not with the frequencies of the words. Therefore, even if we would perform twice the number of current trials, we need to consider all the events being in one of the baskets of the two event categories. Let's first include those second group of trials to start answering this potential objection. We then have the following probability, which is twice the probability of the previous calculated probability for one group of events, which is still statistically significant as follows:

```
tmp <- as.numeric(tmp)*2

cat(paste("The probability of all the ", AllahWordEvidenceSuccesses,
"success out of the two groups of trials (with p=1/19) is:", tmp))

## The probability of all the  6 success out of the two groups of
trials (with p=1/19) is: 2.98e-05
```

As we observed that the probability of this is still statistically significant as it is less than 0.05. In this case, as mentioned just before, we doubled the initial probability as it would be more fair to consider all the observed evidences exist in one of the two events categories, namely 2 baskets of events. Here we might also want to know what is the probability of observing all the 6 successes in the basket of events with either, the position information only or in the basket of events with the position and word frequency together? If the chances are like basket1/basket2, then 6/0 and 0/6 is of our concern. The rest of possibilities would be like 5/1,1/5, 4/2,2/4, 3/3. Therefore, approximately,the probability of observing all successes in one of the two basket categories is like 2/7. Therefore we multiple this probability with the one we found above, which only shows observing 6 out of 24 trials. Then the overall observation probability would be **8.5142857^{-6}** for this extreme case scenario, which was computed for more skeptical people.

Now, I add these trials and successes on Allah and Al-Rahman word positions to the global counters for overall system probability calculations in the end of the book. Since these are the first evidences to add to the global counters we just assign the values directly.

```
global_tested_nums <- global_tested_nums + AllahWordEvidenceTrials
global_success_nums <- global_success_nums +
AllahWordEvidenceSuccesses
```

Also, here is the approximate overall probability of all the evidences observed so far in this book with the assumption that all are independent for simplicity of computations:

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", global_success_nums,
            "success out of", global_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 27 success out of 62 (with p=1/19) is:
1.35e-18"
```

5.1.4 Facts about Allah word positions and frequencies

The codings of this chapter are not considered within the general system presented in this book as the observed codings are not aligned with the general rules of the book mostly and not based on a systematic rule. However, the codings looks interesting enough to be presented at least as facts. One can also consider all the codings presented in these sections as only **facts** but not evidences currently. In this chapter, I will present three different isolated codes in three different sub-sections of this section, using **chapter indexes**, **verse**

indexes and the number of **Allah word counts** in each of those verses. The reason I present them in three sub-section is because they each have different coding patterns. Therefore, I will not include, the number of successes and trials of these three sub-sections into the global counters as they are not presented as evidences of this book but just existing facts for their potential usage. This means, the three codes we will observe in the sections below will not affect the global probability of the general system that we will measure in the end.

The three isolated codes in the following three sub-sections have a particular importance. Because, in the false 19 based claim of Rashad Khalifa, they use the similar three columns of information but individually (**chapter indexes**, **verse indexes** and the number of **Allah word counts**). By removing one of the verses from Quran (!), they make sure (!) each of these three columns are multiple of 19 individually! They clearly manipulate the text on a specific verse to make sure the numbers match to their made up false system claim. The three codings in the following three sub-sections suggest that there is already a 19 based coding relation considering the similar three columns of data, namely, chapter indexes, special verse indexes and the total number of Allah words at each verse. Nonetheless, as I presented in the main evidences in Chapter 5.1, we already showed rule based codings as evidences with respect to the positions of the word Allah only, Al-Rahman only, and also Allah and/or Al-Rahman words together. Those evidences should already be sufficient to convince those who were deceived by the false 19 claim and deny the 2 verses in the end and become a denier. In the facts of this section I will show further coding that also uses the number of words in those positions as they have used in their false claim which is based on data manipulation and thus considered as falsehood academically. Manipulating the text is scientifically unacceptable. Because, no matter what the manipulators find in the end, their system claim belongs to the manipulated text but not to the original text itself. Because, once you open up the door for manipulation, then you have to exhaustively search for all the space of the other possible manipulations that could be generated by the manipulations and prove that what you show is statistically significantly different than all the rest of the possible manipulated codings in that space! Considering the size of the text of Quran, it is impossible to perform this task. This proves the point that, scientifically speaking, it is non-sense to consider any claim that manipulates the text, which represents Quran that is classified as the Hafs reading and used by the 97% of Muslims around the world. Anyone who searches for coding patterns in the text of Quran, must use one of the already available valid text copies that has been accepted and already being used by Muslims. Any approach that manipulates even a single verse or word or letter of the text is just non-sense and unacceptable. Let's get back to the main topic and see the codings in the following sub-sections.

5.1.4.1 Sum coding on Allah word positions and frequencies regarding Chapters, Verses and Words

In this isolated coding, which might be considered as a fact, we will see that the chapter indexes, verse indexes and Allah word counts together have a 19 based coding in the numbered verses of the text of Quran with respect to their total sum. In the table of Allah word positions in 6236 verses above, I provided the chapter indexes, verse indexes in that chapter and Allah word counts in each verse. We will use those numbers in this evidence too. The pattern of this evidence is similar to Evidence 6.5.2.

The sum of each of these numbers are 33697, 100228 and 2153, respectively. The total number of all these three numbers is equal to **136078** and it is multiple of 19 (in particular 19x7162).

```
tmp <- sum(ynQ[,c(2,3,4)])
cat("The total number is ", tmp)

## The total number is  136078

as.bigz(tmp) %% 19 # mod 19 is zero

## Big Integer ('bigz') :
## [1] 0
```

This further shows the positions and frequencies of Allah words have 19 based coding relation together in the numbered verses of Quran.

5.1.4.2 Digit sum coding on Allah word positions and frequencies regarding Chapters, Verses and Words

In this isolated coding, which might be considered as a fact, I will show that the chapter indexes, verse indexes and Allah word counts together have a 19 based relation in the numbered verses of the text of Quran with respect to the digit sum of all the numbers in those three columns of data. In the table of Allah word positions in 6236 verses above, I provided the chapter indexes, verse indexes in that chapter and Allah word counts in each verse. We will use those numbers in this evidence and test their digit sum.

```
x <- ynQ
tmp <- paste0(x$Chapter, x$verse,x$countW)
tmp <- paste0(tmp, collapse = "")
cat("The length of number the big number is ", nchar(tmp) )

## The length of number the big number is  7298
```

```
tmp <- digitsum(tmp)
cat("The digit sum of the big number is ", tmp)

## The digit sum of the big number is  24586

# Test if mod 19 is zero:
tmp %% 19

## [1] 0
```

You can access this 7298 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Evidence_7.7.3.txt

As we observed, not only the sum of the numbers are multiple of 19 as we see in the previous coding, but also their digit sum has 19 based coding.

As a side note, for the big number obtained with the exact same pattern of this evidence for the word **Al-Rahim**, which is one of the three names of God in the Basmala verse, we observe that the big number is multiple of 19 and also the digit sum of it is also multiple of 19 too.

5.1.4.3 Random coding example with 0 indexing over Chapters, Verses and Words

As an additional note, you may have noticed that I removed the zero indexes while concatenating as they correspond to unnumbered Basmala verses. In this book, I never used zero index for the unnumbered Basmala verses as there is **no number** in the text, including zero also makes difference in the divisibility of concatenated numbers. However, if anyone argues on this point, there is this example: When zero is used, there is also this coding in 6348 verses as follows. Basically, when we concatenate chapter index, verse index and word count for each verse with Allah word and then concatenate all in their natural order again, the resulting big number is also multiple of 19. But I do **not** consider this example neither as evidence nor as a fact but just a random coding, which is expected to happen by chance alone 1 in every 19 trials. I just present it as an example for the sake of argument.

```
y <- yunQ
head(y) # head of the table

##    Gen_verseI Chapter verse countW
##         <int>   <num> <num>  <num>
## 1:          1       1     1      1
## 2:          8       2     0      1
## 3:         15       2     7      1
```

```
## 4:          17        2      9       1
## 5:          18        2     10       1
## 6:          23        2     15       1
```

```
tmp<- paste0(y$Chapter,
             y$verse,y$countW)
# head side of numbers of each verse
head(tmp)
```

```
## [1] "111"  "201"  "271"  "291"  "2101" "2151"
```

```
tmp <- paste0(tmp, collapse = "")
as.bigz(tmp) %% 19
```

```
## Big Integer ('bigz') :
## [1] 0
```

5.1.4.4 Fact on Allah word positions and frequencies regarding Chapters, Verses and Words

In these isolated code, we see that the **chapter index**, **verse index** and **Allah word counts** have 19 based coding in combination of both of the text types of Quran together. It means, the coding is obtained by using both texts at the same time. Basically, I will concatenate all the numbers in natural order as I did in this book earlier for some other evidences.

This is the way we will obtain the number to be tested: We will concatenate chapter index, verse index and word count in the natural order for each text type. We will obtain two vectors for both text types. We will then pair these two vectors by concatenating to each other. This evidence pattern is similar to what I presented in Evidence 4.2.11.1 and Evidence 4.2.11.2. Note that in Evidence 4.2.11.2 the length of the two vectors that are paired were not equal. Thus, the smaller vector had started over again pairing from its beginning to pair with the longer vector. The similar pattern also exist in this code. We have two unequal length vectors but when paired they show 19 based coding where the positions of Allah words have 19 based relation together in both text type of Quran. Again, as it does not align with the general rules I set in the book, it might currently be considered as a fact. Here is the proof of this coding:

```
#Concatenate for 6348 verses
# Some verse indexes are 0 and they should be removed
#as there is no number to represent them even 0
x<- yunQ
tv <-c()
for(j in 1:nrow(x)) {
  if(x$verse[j] != 0){#for all the numbered verses
```

```
    tmp <- paste0(x$Chapter[j], x$verse[j],x$countW[j])
  }else{#For unnumbered Basmala verses
    tmp <- paste0(x$Chapter[j], x$countW[j] )
  }
  tv <- c(tv,tmp)
}
cat("Length of the vector from 6348
    verses is ", length(tv))

## Length of the vector from 6348
##     verses is  1678

#concatenate for 6236 verse
y <- ynQ
tmp<- paste0(y$Chapter,
             y$verse,y$countW)
cat("Length of the vector from 6348
    verses is ", length(tmp))

## Length of the vector from 6348
##     verses is  1566

#Pair both vectors
tmp <- paste0(tv,tmp)
#concatenate all the numbers
tmp <- paste0(tmp, collapse = "")
#Test if mod 19 is 0
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this
    big number is", nchar(tmp))

## number of digits on this
##     big number is 15465
```

One can just copy the below big number and paste it into a web based big number calculator and test it herself.

Here is the “15465” digits length big coding number of this code:

“1111112127127129129121012101215121512171217122022202223122312262226222
7222722551255126012601261226122641264126712671270127012731273127427427
2275127512761276127712771279127912803280328312831285128512881288128922
8922902290229122912294129412971297129812981210122101221021210212103121
0312106121061210722107221092210922110221102211412114121152211522116121
1612118121181212022120221321213212137121371213822138221391213912140321
4032143321433214412144121482214822149121491215312153121541215412158221
5822159121591216112161121641216412165321653216712167121691216912170121
7012173221732217422174221761217612181121811218212182121852218522187421
8742189121891219022190221921219212194221942219522195221962219622197121
9712198121981219922199222001220012203222032220412204122061220612207122
0712209122091221022210222112221122213222132221422214222151221512217222
1722218222182221912219122202222022222222222222231222312224122412225122
2512226122261222712227122281222812229422294223022230222314223142233222
3322235322353223712237122391223912242122421224322243222442224422245122
4512246222462224722247222492322493225142251422521225212253422534225512
2
5512257122571225822258222593225932260122601226112261122621226212265122
6512266122661226712267122701227012272222722227322273222752227522276122
7612278122781227912279122811228112282522825228312283122841228412286122
8613213134132135134137135139137131013913111310131313111315131313181315
1319331813211319332313211328332313291328333013291331233013322331233313
3223372333133923372340133923421340134513421347134513492347135013492351
1350135223511354135223551354135913551361135913622361136313622364236313
7013642373237013751373237613751377237613783377237923783381137923831381
1386138313871386138913871392138913941392139513941397139513981397139923
9813101139923102131011310333102131071310333108231071310913108231123310
9131131311233116131131311713116131191311713120131191312213120131232312
2131262312323130131262313213130131352313213140131352314113140131421314
1131442314213145131442314613145131481314613150131481315213150131541315
2131552315413156131552315723156131581315723159331581316023159331622316
0231631316223164131631316513164131661316513167131661316913167131701316
9131712317013173131712317423173131762317423177131762317933177131801317
9331812318013182131812318313182131871318313191131871319513191131982319
5131992319823200131992412320014514149141241134514121491413241134141412
1415141324161414141734151419141614231417342424191426142314281424242914
2614301428143234291433143014343432343524331436243434371435243924362440
1437144214392443144014461442144714431448144614491447145014481452244914
5414501456145224583454145924561461145834631459246434611469246314701464
3472146924731470147424721475147314761474247714751478247614791477148014
7824811479148214801483148114842482148514831486148424872485148824861489

1487249024882492248914931490249444922495449314961494449714954499249614
1004497141021499241031410044104241021410514103141062410424107141051410
8241062410914107141102410824111141091411334110241141411114116141133411
8141141411924116141222411814123141192412514122241261412314127241251412
8141261412914127241302412814131241291413314130241342413124135141331413
7141342414024135141412413714142241402414314141241461414224147241431414
8241461414914147241501414824152141491415314150141552415214157141531415
8241552416014157141641415824165241601416614164141671416524168141661416
9141671417014168141713416914173141701417624171351141731523417625325154
4511561523573532582544591561511357351235825131591514151135151512351615
1315172514151815151520151615211517252325181527152015281521153115232533
1527153415281535153115381533153925341540153515413538154215392543154015
4425413545154215472543154835442549354515501547255115483552154935543550
1555155115562552155715543560255515642556256715571571156025723564257315
6715741571157615723580157315851574158725761588258015892585159115872592
1588259425892595259115961592159735942598259525100159615101159735103259
8251041510015105151011510615103251081510415109151051511015106151121510
8151151510915116251101511715112151192511516315116261415117161715119261
9261621163163116141633161716341619263516211636163116371633163916341640
2635164626361647163716501639165326402656164626621647166416501670165326
7136561680166216881664169016701691367136933680169526881610216901610716
9136108269336109169526111161021611416107161161610826118161091611916111
1612116114161243611616125261181612816119161361612116137161243613816125
2614026128161421613616144361371614516138161481614026150161421615116144
3615216145161571614816159161501616416151172616152172826157173016159173
2161641733171737272617431728274417301745173217491733175027372754274317
5617441759174517621749176517502769175427701756177117591773762177417 65
1785176917861770178717711789477337992774171011785171051786171311787171
4017894715817992716417101171691710517178171311718517140171861715817187
1716417188171691718917178171901718517194171861719617187181271881821718
9187271901810371941813371961816181817381281818218191872820181038221813
3823181618241817382518181827181918281820182918221830182318332824183418
2518361827183718281839182918401830184228332843283418442836184518371846
2839184718401848184228492843285118442852384518532846285518471858184818
6038492861185118621852386318532864185518662858186818603869286118701862
1871186318721864187418662875286819118692922870193387119418721951874196
1875297291199192291419339151941916295191719619182972919299192029141922
1915192429162925191719261918292719192928292029291922193039242931192519
3229261934292719363928293729291938193039404931194119322943193429461936
3948193729512938195219404955194119594943196029461961194819631951296419

5219671955196829594970196029713961197229631974296419751967197719682978
2970197919713980197229812974298319751985197719891978299019791993198019
9429812996198319971985199939891910019901910229931910429942910519961910
6199719107199939109191001911139102291121910429115291051911629106191171
9107191182910919119191113912039112191211911529123191162912719117191291
9118210329119110419120310519121110619123110111912711016191291101711011
0183103210211104110221105110271106110301101111031110161103211017110341
1018310351102111036110221103711027110381103011044110311104511032110461
1034110491103511055110361105811037110592103811060210441106211045110641
1046110661104911068210551106911058110712105921072110602108121062110821
1064110851106611095110682101001106911010421071210106110721101071108121
0109110821112110851114110951116110100111131101042111411010611118210107
1111911010911120111111261112111291114111301116111313111311133111141113
4111182114111119111431112011150111261115411129111561113011161111313116
3111331116421134111732114111178111431118411150111861115411192111561111
0111161111113111631111151111642122311173212381117811239111841124011186 1
1252111921126621110111267111113112681111151127611211279112231128021238
1128311239112862124011287212521128811266212902126711291112681129211276
1129611279112991128021210711283112108212862132112872138112881131131290
2131311291111316212921131721296113201129911321111210711325212108213261 13
1132711321132821381133131311313331131311334113162133611317213371132011
3381132111339113252142113261143113271144113282145113313146113331148113
3411491133611410113371141131338114122133911419114114201142114212143114
2211441142411451142511461142731481142811491143211410114341141131438114
1221442114191144611420114472142121451214221156911424115961142511611142
7316911428116182143211620114341162311438116261144211628114461163111447
2163311451216351151163621569116371159611638116116411161116451169116481
1618216511162011652116231165311626116611162811670116311167111633116721
1635116731163621674116371167511638116761164111677116451167911648116831
1651116871165211688116531169011661116913167011692116711169311672116941
1673116952167411696116751161042167611610511677116106116791161071168311
6108116871161123168811611421690116115216913161162169211612811693117221
1694117331169521739116961179411610421797116105117991161061171101161071
1841161081181511611231816116114218172161152182111611621824116128118261
1711838117221183911733118431173911845117941186911797119301179911936117
1101194811811949118411958118151197611816119811181722081182112014118241
2061118261209811838120114118391212221843121661184512167118691219811912
2211930122311936122611948122711949122811958122911976122101198112211120
1221212081221422014122151206112216120981221722011412218321122231212222
2251216612228121671223012198122321221223412221223512231223622261223722

2712238222812239122912240522101224712211122522221212254122142225832215
1225912216122602221722261222183226222223122632222512264122281226522230
1226812232122691223412270222351227112236222721223722273122382227422239
1227522240522761224712278122522231412254123231225832324122591233212260
2233812261223912226222311612263223117122641242122652245122681247122691
2491227022410222711241312272124141227312415122742241712275224181227612
4202227812421223124222231412425222321243012324124311233212432123381243
3323912243532311612436123117124371241243812421243912451244012471244112
4912442124102244312413124441241412445224151244812417124501241812451124
2022452224212245312422224541242522455124301245812431124591243212461224
3332462224353246312436125171243712541124381255512439125682244012570224
4112571124421268912443126931244412610812445226110124481261261245012613
1124511261441245222615012453126163124541261791245512621312458126227124
5912781246122791246222724124631272612512730125171273612541127431255512
7451256822746125702274712571127601261276112689127621269312763226108127
6412611012765126126127791261311278712614412788126150128131261631282712
6179128301262131284912622712850227128561278128601279128681272412870127
2612871227301287222736128761274312877327451287812746128801274712881127
6012882227611288712762128881276322931276412952276512961277912910327871
2911127881291612812917328131291922827129202283012922128491292312850229
2412856129251286012929128681293612870129401287122941128722294212876129
4412877329451287812950128801296012881129611288222962228871296312888129
6512912967129312968129522969129613051291033062291113081291613091291733
0101291923011129202301712922130291292313030229241303712925130381292913
0392293613040129401304312941130481294213050129441305412945130561295013
0591296013060129611316129622319129631311112965131121296713116229681311
8129691312023013121130513122230623123130813125130913126130101312723011
1312813017131292302913130230302313113037131321303813133130392313423040
1324130431331230481332130501333130541334130561335230591336130601339231
1331213161331523191331723111133181311213319231162332133118133222312023
3231312113324231222332533123133271312513329231261333013127233332312813
3342312923335231302333623131133374313213338331331333923134233402321334
1132413346133133471331233481332133502333133511334133521335233532336133
5413392335523312133561331523357233172335913318133622331923363133213336
4133222336613323133692332423370133253337113327133733332923481333013422
1333323424133342342713335234471333623511333743521333833532333923541334
0235513341135823346135111334713513133481351513350235171335113518133521
3522133532352713354135282335523529133561353113357235321335913538133622
3540133631354113364135432336613544133692354523370136472337113674133733
3723134137351348137401342213774134241378613427137102134471371261351371

2813511371521352137159135323716013541371691355138262358238651351113911
3513139213515139333517139423518139613522139713527139101352823911135291
3914135311391613532139171353813918135401392023541139211354323922235441
3923435452392613613929136472393213674139351371393623723139372373513938
4374013942137741394313786139451371021394713712613952137128139532371521
3956137159139571371601396013716913961138139621382623963138651396413913
9661391139671392139681393340213942404139614010139714012139101401413911
1401613914140171391614020139171402123918140221392024028239211402913922
2403113923440332392614034239291403533932140431393514044239362404513937
2404813938440551394214056139431406123945140621394714063139521406433953
2406613956140691395714074239601407713961140782396214079139631408113964
1408513966141141396714115139681411914014121140214122140414128140101413
0140121413314014141521401614231401714251402014261402124281402214210240
2824213140291421534031142161403324217140342421914035342211404314223240
4424224340451422714048142311405514236140561424014061242441406214246240
6314247140643425114066142532406914363140742436414077143871407824418140
7914419140811444214085145214114551411414562411514581411914510141211451
2141221451414128145191413014522141331452324152145261421453214231453514
2514621426146414281465142102468142131461024215346131421614617242171462
1142191462314221146261422324628142243463114227146321423114633142361471
1424014731424414742424624771424714791425114710142532471114314712143631
4716143641471914387147211441472314418147261441914728144421472914514732
2452147331455147342456247381458148214510148314512148414514148514519148
6145221487145232481034526148112453214814145351481524614816146214817146
4148181465148191468148201461024821246131482324617248241462114825146231
4826246261482724628148293463114913463214932463314972471498147114992473
1491014742491224771491324791491424710149151471114916147121491714716149
1814719150261472115150147231515114726151581472815227147291524324732253
2314733153261473425358147381575148157914821571024831571114841571414851
5716148615717148715718148103572014811257211481415722148152572414816157
2524817157271481815728148191572924820158134821258214823258414824158514
8251586248262587248272588248293589149158102491358112493258121497258132
4981581414992581514910158161491225817149132581814914258191491515820149
1615821249171582244918159225015931502615943511595151501596251511597351
5815982521591315227159161524325918353159191532315921153261592215358159
2325415924155160425616062571607157516082579160915710260102571116011157
1416012257161601315717161315718161415720161525721161615722161715724161
8157252611115727161131572816114357292624158162515813629158216210258416
2111585163115862632158726341588263515891636258102637158112639158121631
1158132646158141647158151641115816164121581716413258181641415819164161

5820164171582126514582246521591653359226541593165525943657359516510359
6265112597365123598266115913166215916166315918366425919166615921166825
9221661025923266111592416791601672616042672816062703160717131608271416
0917115160102712516011172416012272516013172716117212161317218161417219
1615272221616172232617173206618174312611117456161131766161143769162176
1116241763026251792516291812916210287716211188241631911326311958163219
6141634198216351985163629881637110461639111011631111102164111211646111
2216471111641112716412129164132210164141215164161217164171220265122316
5142262652122726533255165412601655226126573264165103267165112270165123
2731661274266112751662127616631277166422791666128036682283166102285166
1112881671289267912902672612912672812941681297169129817012101270312102
1711210317131210617141210727115121092712512110272121141724121152725121
1617271211817212121202721812132172191213717222121382722322139173121403
7320621433741214417431221482745612149175121531761215417661215827691215
9176111216117630221641771216537812167179121691792512170180121732811217
4281291217618212181183121821841218528512187486121891871219028771219218
8121942882412195289121962901219719112198191132219929212200193122032941
2204195122061958122071961220919614122102971221129812213298212214298512
2151988122172991221821001221911011222021021222221031222311041222411046
1222511051222611061222711071222811081222941091223021101223141101122332
1102122353111122371112122391112112242111221224321131224421141224 51”

You can also access this 15465 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Evidence_7.7.1.txt

As another fact, for the big number obtained with the exact same pattern of this evidence for the word **Al-Rahman**, which is one of the three names of God in the Basmala verse, we observe that digit sum of the similar big number is multiple of 19 too.

5.1.5 Fact on Allah word with All word forms of its usage in Quran

In the codes below, I will present interesting codes as **facts**, which are observed when we consider the usage of Allah word with **all** the forms of its usage considering all the 6348 verses of Quran. Basically, I look at the appearance of this word, “الله”, over all Quran considering all the 6348 verses.

5.1.5.1 Fact on the sum of all the numbers about Allah word with All word forms of its usage in Quran

The **fact** is that, when we count the appearances of Allah word in all of its forms, not only isolated forms, including its root form, then sum of all the related indexes and the counts is

multiple of 19. By all the indexes, I mean general verse indexes, chapter and also special verse indexes. Below is the proof of this fact:

```
#Considering 6348 verses

require(stringr)
#Allah word in root form
tmppattern <- "الله"
x <- unQuran #6348 verses
#find verse indexes
tmp <- x$text
tmp<- as.character(tmp)
j <- rep(0,length(tmp))
#i<-28 # example with 2 Allah words in it
for(i in 1:length(tmp)){
  #tmpw <-strsplit(tmp[i], " ")
  #tmpw <- unlist(tmpw)
  tmpw <- unlist(tokenize_words(tmp[i]))
  j[i] <-sum( str_detect(tmpw, tmppattern) )
  rm(tmpw)
}
#
sum(j) # 2820 looks correct as in the below sanity check over Words
object

## [1] 2820

## find indices
#Get the verse indexes where Allah word is used
i <- which( j!=0)
x <- x[,c(1:3)]
y <- cbind(x,j)
y <- y[i,]
colnames(y)<-c("Gen_verseI","Chapter",
               "verse","countW")
yunQall <- y
rm(y)
#Head of the table containing position indexes and counts.
head(yunQall)
```

```
##    Gen_verseI Chapter verse countW
##         <int>   <num> <num>  <num>
## 1:          1       1     1      1
## 2:          2       1     2      1
## 3:          8       2     0      1
## 4:         15       2     7      1
## 5:         16       2     8      1
## 6:         17       2     9      1

tmp <- sum(yunQall)
print(paste("Sum of all the indixes and word count is:", tmp))

## [1] "Sum of all the indixes and word count is: 4801699"

as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

#
tmp <- tmp/19
print(paste("The quotient of the division of the sum by 19 is:", tmp))

## [1] "The quotient of the division of the sum by 19 is: 252721"
```

The **first fact** is that, as we see, the sum of this table is 4801699 and it is multiple of 19. The second **second fact** is that, the digit sum of the quotient, 252721, is exactly 19.

5.1.5.2 Fact on the concatenation of all the numbers about Allah word with All forms of its usage in Quran

The **fact** is that, considering all the 6348 verses of Quran, when the chapter indexes, verse indexes and the number of Allah words (in all possible word usage forms, namely any word that includes this pattern: "الله"), are concatenated from right to left, similar to what we observed in the rewriting coding pattern, the resulting big number is also multiple of 19. Also, when we obtain the second big coding number in a similar way from the 6236 numbered verses, in this case, the digit sum of this big number is multiple of 19. If we only look at the chapter indexes and special verse indexes in the 6348 verses, similar to the coding pattern of Evidence 5.1.1, then as a fact, the digit sum of the resulting big number is also multiple of 19.

As these are isolated codes, which do not have general rules yet, I present them as *facts* since they are still interesting. However, other researcher might discover a rule based

system that might cover them in the future and thus I presented here as just interesting coding facts but not the evidences of the book.

5.2 Evidence on Chapter At-Tawbah

There was a speculation over the last two verses (verse 128 and verse 129) of the 9th chapter of Quran, also named as At-Tawbah, by Rashad Khalifa several years after 1974 when he first claimed about his (fake) 19 based system in Quran. He has manipulated the text of Quran to be able to match it to his made up numbers by removing those two verses. Scientifically, this is unacceptable and a shameless act. Because, once the data is changed, the result is not a discovery of an existing system but an invention of one's own made up and thus fake system claim. In his claim, he shamelessly removed the last two verses of the the 9th chapter of Quran, which are verses 9:128 and 9:129 in order to match the original text data to his made up system claim.

Most of the evidences of the 19 based system I discovered and published online as e-book in 2019 in this book already proves a 19 based system over all the original text and thus suggests the intactness and preservation of the text of Quran without touching any part of the data. However, I hypothesized that Almighty God might have designed additional particular evidences on Chapter 9 considering this speculation. And, without much surprise I witnessed the evidences that clearly suggest the 19 based system for all the verses and content of Chapter 9 in particular.

5.2.1 Evidence of At-Tawbah with special verse indexes:

This clear coding evidence is on the verse indexes of Chapter 9. In Evidence 5.5.1, we witnessed that when we concatenate the special verse indexes of the full text of Quran, the resulting big number is multiple of 19. The same coding pattern also exist in Chapter 9 in particular. When we concatenate its **special verse** indexes from 1 to 129, the resulting big number is multiple of 19. Here is the illustration of the coding pattern I just described:

> [Verses 1 (first verse of the chapter At-Tawbah)] [Verses 2 of the chapter At-Tawbah] . . . . . [Verses 128 of the chapter At-Tawbah] [Verse 129 (last verse of the chapter At-Tawbah)]

If we use the real numbers in the above formula, it would be like this:

> [1] [2] . . . . . [128] [129]

And, the final number after all the concatenation would look like this:

> 12 128129

Here is the proof as follows:

```
#Evidence on special verse indexes of Chapter 9
x<- unQuran
x<- x[x$chapter==9,]
tmp9v <- paste0(x$verse, collapse = "")
as.bigz(tmp9v) %% 19 # test if mod 19 is zero

## Big Integer ('bigz') :
## [1] 0
```

Here is the "279" digits length big number of this evidence:

"123456789101112131415161718192021222324252627282930313233343536373839
404142434445464748495051525354555657585960616263646566676869707172737 4
757677787980818283848586878889909192939495969798991001011021031041051 0
610710810911011111211311411511611711811912012112212312412512612712812 9
"

The coding holds considering both text types, either 6348 or 6236 verses of Quran. Because, the chapter At-Tawbah has the unique feature that it is the only chapter in Quran that does not have Basmala verse in the beginning of a chapter. Therefore, concatenation of the special verse indexes of both text types results the same big number.

As we witnessed the special verse indexes has the exact same coding pattern with Evidence 5.5.1, which shows considering all the chapters together we observe the same coding exist in the full text of Quran. This is interesting but **this coding information was already known** as I somewhat recall it from an internet forum but do not know who found it first and thus, I am not able to precisely cite it in particular. However, as a single evidence it was not as convincing as it should be. Then, I further hypothesized that we might observe the same pattern with the general verse indexes of Chapter 9 as well. Because it then shows that the 19 based coding system of Chapter 9 is not only available in special verse indexes but also in the **general verse indexes** that connects the positions of the verses of chapter 9, over all verses of Quran. After testing that hypothesis, I firstly discovered the below new evidence as presented in the following sub-chapter.

5.2.2 Evidence of At-Tawbah with general verse indexes:

When we concatenate all 129 general verse indexes of the chapter At-Tawbah within the 6348 verses of the full text of Quran, the resulting big number is also multiple of 19. Here is the illustration of the coding pattern I described:

> [First General Verse index of the chapter At-Tawbah] [Second General Verse index of the chapter At-Tawbah] . . . . . [Last General Verse index of the chapter At-Tawbah]

If we use the real numbers in the above formula, it would be like this:

[1243] [1244] . . . . . [1370] [1371]

And, the final number after all the concatenation would look like this:

12431244 13701371

Here is the proof considering all the 6348 verses as follows (It also works considering the 6236 numbered verses since both results the same number as there is no Basmala verse at the beginning of this unique chapter.):

```
#Evidence on general verse indexes of Chapter 9
x<- unQuran # in 6348 verses
x<- x[x$chapter==9,]
#head of the indexes to be concatenated
head(x$VerseI)

## [1] 1243 1244 1245 1246 1247 1248

tmp9V <- paste0(x$VerseI, collapse = "")
as.bigz(tmp9V) %% 19 # test if mod 19 is zero

## Big Integer ('bigz') :
## [1] 0
```

Here is the “516” digits length big number of this evidence:

“1243124412451246124712481249125012511252125312541255125612571258125912601261126212631264126512661267126812691270127112721273127412751276127712781279128012811282128312841285128612871288128912901291129212931294129512961297129812991300130113021303130413051306130713081309131013111312131313141315131613171318131913201321132213231324132513261327132813291330133113321333133413351336133713381339134013411342134313441345134613471348134913501351135213531354135513561357135813591360136113621363136413651366136713681369137013 71”

As we witnessed, all the 129 verses of Chapter 9 has 19 based coding with the same coding pattern both in special and also in general verse indexes.

5.2.3 Evidence of At-Tawbah with word content in its verses:

After discovering the previous evidence, I then further hypothesized that the same coding pattern might exist also in the content of Chapter 9, considering words information. Therefore, I tested the same coding pattern this time by concatenation of **the number of**

words per its verse and discovered the following similar evidence with the words numbers as well. Here is the illustration of the coding pattern I described:

> [The number of words in the first verse of the chapter At-Tawbah] [The number of words in the second verse of the chapter At-Tawbah] . . . . . [The number of words in the last verse of the chapter At-Tawbah]

If we use the real numbers in the above coding, it would be like this:

> [9] [14] . . . . . [14] [15]

And, the final number after all the concatenation would look like this:

> 914 1415

Here is the proof considering all the 6348 verses as follows:

```
#Evidence on number of words of verses of Chapter 9
x<- unQuran
x<- x[x$chapter==9,]
#head of the number of words to be concatenated
head(x$vwords)

## [1]  9 14 32 22 26 18

#tail of the number of words to be concatenated
tail(x$vwords)

## [1] 18 12 16 21 14 15

tmp9w <- paste0(x$vwords, collapse = "")
as.bigz(tmp9w) %% 19 # test if mod 19 is zero

## Big Integer ('bigz') :
## [1] 0
```

Here is the “253” digits length big number of this evidence:

“914322226182316131013182011112418232416108203323181228292323151429193
631291643152313141415171615161422122217101116192226121617131619163226 2
4241246129151120252782518161811141317262319301814161627252217161616122
4232715371620221817273195218221718121621 1415”

As we witnessed the number of words of verses of Chapter 9 has also the similar 19 based coding pattern. The probability of observing these three evidence is significantly low.

However, I searched all the 114 chapters of Quran and **only Chapter 9 has these three 19 based codings at the same time**. Moreover, the digit sum of all the big numbers of these three evidences together is also multiple of 19. This **connects all these three evidences** independently to each other. This further supports the 19 based system among these three coding evidences of the same coding pattern.

5.2.4 Evidence on At-Tawbah with the combination of its individual evidences:

The digit sum of all the 3 big coding numbers of the previous three evidences together is also multiple of 19. Notice that the **digit sum is the only coding option** to be able to test the relation among the combination of these three numbers if we hypothesize that there might be further a relation among them. Because each of these three big numbers are already multiple of 19 and thus either concatenation or sum of them already must be multiple of 19. The only test we could perform among them is the digit sum of these three big numbers and we observe that it is also multiple of 19 as follows:

```
#Digit sum of the three big numbers of Chapter 9

tmp <- paste0(tmp9v,tmp9V,tmp9w)
cat("The length of the digits of the
    three big numbers: ", nchar(tmp))

## The length of the digits of the
##     three big numbers:  1048

tmpd <- digitsum(tmp)
cat("Digit sum number is: ", tmpd)

## Digit sum number is:  3534

# test if mod 19 is zero
tmpd %% 19

## [1] 0
```

As we witnessed, the three evidences have also another independent 19 based coding among themselves based on their digit sum. These three evidences and the fourth additional one that connects them, strongly suggest the 19 based system in the verses and content of Chapter 9. And it is the only chapter with these 3 codings together with this pattern that further supports the conclusion that they have 19 based coding system. No wonder it is Chapter 9. Because, there has been a speculation over its last two verses (128, 129) by the Rashad Khalifa's fake and made up 19 system claim, which is based on manipulation of the text data but still has some followers. Considering this, I hypothesized

that God might have placed a special 19 based design in the verses of Chapter 9. And, without much surprise, I discovered these evidences on Chapter 9, which suggest that it is under a clear 19 based system and supports the already existing coding over all the 129 verses of chapter 9. Also, remember these evidences themselves are also additional upon all the main evidences of this book that suggest that the *full text* of Quran, which already incorporates the Chapter 9 with its 129 verses, is intact and unchanged.

Here is the "1048" digits length big number of this evidence:

"1234567891011121314151617181920212223242526272829303132333435363738394041424344454647484950515253545556575859606162636465666768697071727374757677787980818283848586878889909192939495969798991001011021031041051061071081091101111121131141151161171181191201211221231241251261271281291243124412451246124712481249125012511252125312541255125612571258125912601261126212631264126512661267126812691270127112721273127412751276127712781279128012811282128312841285128612871288128912901291129212931294129512961297129812991300130113021303130413051306130713081309131013111312131313141315131613171318131913201321132213231324132513261327132813291330113321333133413351336133713381339134013411342134313441345134613471348134913501351135213531354135513561357135813591360136113621363136413651366136713681369137013719143222261823161310131820111124182324161082033231812282923231514291936312916431523131414151716151614221221710111619222612161713161916322624241246129151120252782518161811141317262319301814161627252217161616122423271537162022181727319521822171812162114 15"

5.2.5 Probability of all the Evidences on At-Tawbah

There are at most 5 categories of the text as general verse index, chapter index, special verse index, words, letters. While calculating the probability considering the same coding pattern, we need to take all of them into account for all the 6348 verses and also 6236 numbered verses. This makes in total 10 trials for the same coding pattern. Because there is no unnumbered Basmala only in the beginning of this unique chapter, there are two successes from special verse indexes and two success from number of words. There is one success from general verse index. This makes in total 5 successes. So, we can look at the probability as 5 successes in 10 trials considering all the possible combinations. Or, we might count special verse indexes, number of words and letters as a single trial as they provide the same numbers. The second approach seems unfair but even then we have 3 successes in 7 trials.

Let's first look at the more fair scenario where we counted 5 successes in 10 trials considering all. Then we compute this probability:

```
tmp <-binom.test(5,
                 10, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(formatC(tmp$p.value, format = "e", digits = 2), format
= "e", digits = 2)
print(paste("The probability of", 5,
            "success out of", 10 ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 5 success out of 10 (with p=1/19) is:
8.14e-05"
```

If we also consider the combination of the three evidences as an additional evidence then there is only one way of the combination of all the three evidences of one test type, which makes an additional one success and two trials. So, in total we have 6 trials and 12 successes regarding all the non-overlapping evidences of the chapter At-Tawbah. Here is the overall probability of all the non-overlapping evidences observed of the chapter At-Tawbah:

```
tmp <-binom.test(6,
                 12, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", 4,
            "success out of", 8 ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 4 success out of 8 (with p=1/19) is:
1.49e-05"
```

As the last process to do, let's add the number of successful evidences and the number of trials to be tested regarding this evidence in the global counters so that in the end of the book we can calculate the global probability using the counters. I will also add the last code that combines all the three rule based codes as it stands quite strong observation, meaningful and unique. Because, it was the only meaningful coding pattern we could test all of them together.

```
global_tested_nums <- global_tested_nums + 12
global_success_nums <- global_success_nums + 6
```

Also, here is the overall probability of all the evidences, including the latest evidence on At-Tawbah observed so far in this book:

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", global_success_nums,
            "success out of", global_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 33 success out of 74 (with p=1/19) is:
8.41e-23"
```

For the reference, to the best of my knowledge, Evidence 5.2 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 5.2 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

5.2.6 Facts on At-Tawbah chapter:

In the following, I will provide some further 19 based relations of Chapter 9 and the last two verses of Chapter 9. I present them only as facts but not as evidences.

Fact

The only remaining number we could test is the number of letters of Chapter 9. We do not observe similar concatenation coding pattern on the number of letters of Chapter 9 but in this case we observed that **the total number of letters of Chapter 9 is 11115** and it is also multiple of 19.

Other Facts

Since the speculations were over the two verses, verse 128 and 129 of Chapter 9, I also tried some potential evidences and observed many interesting coding facts. I will present them here just as **facts**. Because, to claim them to be evidence I need to test all of them over all the last two verses of each chapter and I have no motivation for that yet. Because the presented evidences on At-Tawbah already proves that Chapter 9 has 19 based design and thus intact. However, for curious readers, I leave my findings here as **facts**. Let's first see all of their numbers:

Chapter index: 9, Verse index:128, Number of words: 14, Number of letters:60

This makes total representation number as: 91281460

Chapter index: 9, Verse index:129, Number of words: 15, Number of letters:54

This makes total representation number as: 91291554

Fact 1 The sum of these two numbers is multiple of 19 as follows:

```
#Digit sum of the three big numbers of Chapter 9
tmp <- 91281460+91291554 # 182573014
tmp %% 19 # test if mod 19 is zero

## [1] 0
```

Fact 2 The sum of each of these 8 numbers is multiple of 19 as follows:

9+128+14+60 + 9+129+15+54 = 418 and 418/19 = 22

The sum of these numbers without the number of letters:

9+128+14 + 9+129+15 = 304 and 304/19 = 16

This means the sum of the number of letters also multiple of 19 but it is not any multiple, it is 114 that means the number of chapters! 60 + 54 = 114

The relation between the the number of letters and number of chapters does not seem to be coincidence. Because, additionally 60 represents the chapters with **even** number of verses and 54 represents the chapters with **odd** number of verses. (I recall reading 60 + 54 = 114 and the even/odd relation on an internet forum previously but I am not aware of proper source to cite this particular coding.)

Fact 3 Concatenation of just with chapter and verse indexes is multiple of 19: 9:128 and 9:129 makes 91289129 / 19 = 4804691

Fact 4 Concatenation of just with verse indexes and number of words verse:

Verse 128 has 14 words and verse 129 has 15 words.

Concatenation of them makes 1281412915 and 1281412915 / 19 = 67442785.

Fact 5 We generally refer to these two verses as 9:128 and 129. Sum of them is 9+128+129 = 266 and 266/19= 14.

Let me remind again, these are just interesting **facts** and presented here for mainly curious readers who may delve into it to test if any coding evidence exist with respect to all the other consecutive verses in Quran.

5.3 Evidence on the word Al-Zikr

As I mentioned earlier, Muslims believe that Quran is intact and unchanged and cannot be changed too. They believe so because of the following verse (15:9):

> "We, indeed We, it is We who have sent down the Reminder, and indeed it is We who will preserve it.", Quran, 15:9

In Arabic, this is the original verse:

> " إنا نحن نزلنا الذكر وإنا له لحافظون ", Quran, 15:9

Notably, God uses the word "The Reminder/Recitation" to refer to Quran, and promise to preserve it but not the book form of Quran as a manuscript. Here, "The Reminder" (Al-Zikr) means the memorized form of Quran that is verbally recited. There are more than tens of thousands of Hafiz (memorizers of the whole Quran) people around the world today who fully memorized Quran as an historical tradition and conveyed the message, as the primary medium of transmission of the Quran, as intact until today as God promised.

Back to the main point, God promises to preserve "The Reminder", Al-zikr (in Arabic: الذكر), and the *written form of that word* has been used exactly 19 times in overall Quran. Just to remind that it is the written form of that word without any *haraka* signs around the word, which is similar to the way Quran first written as *harakas* are helper markers later added to Arabic writing to help reading easier for especially non-Arabic speakers. Again to remind, the text I used for the analysis do not have any *haraka* signs and suitable to the native Arabic readers who do not need those haraka signs to read Quran. In that respect, it is similar to the way the Quran was being written at the very beginning. Feel free to copy and paste the Arabic word (in Arabic: الذكر) in the search box of the table in Chapter 5.3.1 and witness the word count of it in Quran yourself. In this book, the claim is that we can use 19 based coding system of the text of Quran to test and witness that Quran has been preserved. Therefore, it is remarkable and thus certainly an evidence that the written form of the specific word Al-Zikr (the Reminder) has been used 19 times over all Quran verses. Because, as I mentioned earlier, as a knowledge source for the protection of Quran Muslims cites verse 15:9 and the word that is promised to be protected is Al-Zikr. I claim that we can objectively measure if it was protected or not by utilizing 19 based coding system. Because, if there is a measurable 19 based coding system then that observation suggests that the design was not distorted as otherwise we would not be able to observe such a system. Therefore, counting the number of the word Al-Zikr as exactly 19 is a remarkable observation and consider it as a strong evidence as it is significantly unlikely to observe a word being used 19 times in Quran. I measured it to support my statement on its probability. If you look at the Table 5.1 at Chapter 5.3.1, you can see all the 14870 unique words (written form without haraka markers) and their counts in the full text of Quran.

There are 24 unique words used 19 times in Quran. We can easily calculate the probability of observing a word in Quran being used 19 times with those numbers. It is 24/14870 = 0.0016, namely its probability is 1.6 out of 1000 or more simply 1 out of 625, which is statistically very low and thus, cannot be attributed to chance from the scientific point of view as anything below 5% or more stringently 1% is usually not considered by chance in scientific studies. Note that we are not interested in any other word but the only word that was used while promising the protection of Quran (Al-Zikr).

Moreover, as a further **fact**, the written form of the word Zikr (Reminder) alone, without the "Al" definite article (The), was used 38 times (19x2) over all Quran verses. Feel free to copy and paste the Arabic word of Zikr (ذكر) in the search box of the table and see the word count of it in Quran yourself.

As an additional **fact**, this special verse 15:9, which declares that Quran (the Reminder) will be protected, is the 1824th verse out of all the 6348 verses of Quran and 1824 is also multiple of 19. This fact seems as another sign that might refer to the relation between the protection of Quran and 19 based system in its text.

In my opinion, this is a very unique and a remarkable evidence that deserves to contribute to the global counters for global probability calculation of the overall 19 based system. Because out of all the 14870 unique words in Quran, observing the word, Al-Zikr, which is used while promising to protect Quran, exactly 19 times and we hypothesize that the text of Quran has 19 based design that proves its protection is remarkable.

Let's add this remarkable evidence to the global counters. I will add only one success regarding the code on Al-Zikr only and treat the other codes as *facts* to have a more conservative global probability in the end. I will also assume its probability as 1/19 instead of 1/625 measured exact probability.

```
global_tested_nums <- global_tested_nums + 1
global_success_nums <- global_success_nums + 1
```

5.3.1 The unique words table to test word counts

Let's recall the unique words table. We can use this table to count the frequency of some specific words of interest. There are already existing **claims** that some words coincides with their known numbers in nature such as 365 for 'day', 12 for 'moon' and so on. I wanted to try those myself but realized that it is not that appealing to me as someone who does not know Arabic in sufficient detail. However, I mainly left this dynamic table for Arabic speaking people so that they can try their own tests based on the existing claims. In the online version of this book, one can paste the word of interest into the search box and find the frequencies of the pasted word in Quran easily.

In the following subsection, I will present some interesting word counts, which I observed from this words frequency table.

```
datatable(uwordsTable,
          caption = 'Table of the unique words of Quran',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel',
'csv')),
          rownames= FALSE)
```

Figure 5.1: Table

5.3.1.1 Facts on other related words

I will keep this section short by providing some related words and their frequencies. I will let you infer the potential relation to the book.

The word “get down” (أنزل) used 95 times (19 x 5).

The word “our revelations” (بآياتنا) used 57 times (19 x 3).

The word “promise (Vaad)” (وعد) used 38 times (19 x 2).

We knew, God **promised** to preserve the Reminder, revelations, which was sent down. Feel free to copy and paste the Arabic words in the search box of the table and see the word count of them yourself in Quran.

5.4 Evidences on words content

This evidence, considers the content of the chapters or verses with respect to the total number of words in them. I discovered this pattern in both, chapter and verse level data, as there is similar design pattern. So, this chapter consist of two main 19 based coding examples, one in chapter level and the other in the verse level.

5.4.1 Evidence on chapter level words content

The first 19 based design is at the chapter level. You can check the dynamic table from Fact 6.6 to be able to see all the numbers at chapter level if you wish. We first get the indexes of the chapters with multiple of 19. We want to know which chapters have multiple of 19 word content and if there is 19 based design among all of them.

```r
tmp <- dfVCWL$cWords #in 6348 verses
i1 <- which( (as.numeric(tmp) %% 19) == 0)
print("Indexes of the chapters with multiple of 19 word sum:")

## [1] "Indexes of the chapters with multiple of 19 word sum:"

print(i1)

## [1]  10  21  41  76  87  95  96 112
```

The way we get the indexes to be tested as follows: Firstly, from chapters of all the 6348 verse, we obtain the indexes of the chapters whose number of words are multiple of 19. As obtained above, these 8 chapters have total number of words with multiple of 19:

"10, 21, 41, 76, 87, 95, 96, 112"

When we concatenate these indexes, with the usual concatenation coding pattern, the indexes of the chapters with the number of words that is multiple of 19 considering all the 6348 verse category, we observe that this long number is multiple of 19. Here is the illustration of the coding pattern I described:

> [The first chapter with number of words as multiple of 19] [The second chapter with number of words as multiple of 19] . . . . [The last chapter with number of words as multiple of 19]

If we use the real numbers in the above formula, it would be like this:

> [10] [21] . . . . [112]

And, the final number after all the concatenation would look like this:

> 10214176879596112

Here is the proof:

```r
tmp <- paste0(i1,collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0
```

Also, here is the 17 digits length big number:

"10214176879596112"

Now, we witnessed a 19 based meaningful code example. It is alone, would not be sufficient to consider as evidence. However, as we will see in the following, there is similar pattern at the verse level data too as follows:

5.4.2 Evidence on verse level content

In this evidence, similar to the previous pattern but at verse level data of the text, we select the verses with total number of words as multiple 19. When we concatenate the general verse indexes (general order) of the verses with the number of words that is multiple of 19 considering the all the 6348 verse category, we observe that the resulting long number is also multiple of 19. Here is the illustration of the coding pattern I described:

> [The first general verse order with the number of words as multiple of 19] [The second general verse order with the number of words as multiple of 19] . . . . [The last general verse order with the number of words as multiple of 19]

If we use the real numbers in the above formula, it would be like this:

> [21] [27] . . . . [5598]

And, the final number after all the concatenation would look like this:

> 2127 5598

Here is the proof:

```
tmp <- unQuran$vwords #in 6348 verses
i <- which( (as.numeric(tmp) %% 19) == 0)

cat("The number of verses with
    word content as multiple of 19 is ",
    length(i))

## The number of verses with
##     word content as multiple of 19 is  159

cat("The general verse indexes of the verses
    with the number of words that are
    multiple of 19 considering all the 6348 verses: ")

## The general verse indexes of the verses
##     with the number of words that are
##     multiple of 19 considering all the 6348 verses:

cat(i)
```

```
## 21 27 37 43 44 56 83 114 132 145 156 186 225 285 345 442 446 465
503 529 542 561 569 605 631 638 650 680 713 727 743 744 753 824 831
929 953 995 1011 1013 1045 1047 1060 1083 1124 1127 1131 1193 1196
1199 1211 1277 1301 1309 1335 1411 1432 1487 1520 1526 1529 1530 1531
1573 1623 1630 1632 1638 1716 1731 1740 1745 1753 1755 1766 1943 1974
1992 2001 2009 2034 2090 2091 2108 2132 2145 2170 2172 2175 2195 2211
2214 2252 2419 2438 2500 2592 2738 2817 2840 2850 2856 2868 2872 2874
2880 2899 3183 3196 3200 3224 3248 3282 3293 3298 3349 3363 3366 3387
3408 3414 3419 3487 3495 3529 3624 3651 3657 3695 3734 3735 4110 4124
4196 4218 4269 4273 4287 4294 4310 4317 4320 4323 4325 4526 4565 4594
4633 4634 4647 4653 4676 4806 5168 5174 5206 5214 5275 5598

# Concatenate the indexes in the natural order
tmp <- paste0(i,collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0
```

Also, here is the 591 digits length big number:

“212737434456831141321451561862252853454424464655035295425615696056316
386506807137277437447538248319299539951011101310451047106010831124112 7
113111931196119912111277130113091335141114321487152015261529153015311 5
731623163016321638171617311740174517531755176619431974199220012009203 4
209020912108213221452170217221752195221122142252241924382500259227382 8
172840285028562868287228742880289931833196320032243248328232933298334 9
336333663387340834143419348734953529362436513657369537343735411041244 1
964218426942734287429443104317432043234325452645654594463346344647465 3
467648065168517452065214527555 98”

As we witnessed with the above two evidences, the content of chapters or verses with respect to the total number of words in them have two related 19 based codings in them. As a side note, there is also this further fact that when we sum the length of both big numbers if the two evidences, the sum is 591+17 = 608 and it is also multiple of 19.

As the last process to do, let’s add the number of successful evidences and the number of total numbers to be tested regarding this evidence in the global object so that in the end of the book we can calculate the global probability using the counters. We could also test in special verse indexes, considering the chapters level code and this verse level code, we might say 6 trials and 2 successes observed.

```
global_tested_nums <- global_tested_nums + 6
global_success_nums <- global_success_nums + 2
```

For the reference, to the best of my knowledge, Evidence 5.4 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 5.4 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

5.4.2.1 Fact on general verse order with word and also letter content

In Evidence 5.4.2, we witnessed that the concatenation of the general verse indexes of the verses with multiple of 19 word content yield a big number, which is multiple of 19 considering all the 6348 verses. In this **fact**, we will observe that if we look at the pattern from the other side, general verse index, and concatenate the word content of the general verse indexes with multiple of 19, then we again witness a big number as multiple of 19 considering the 6236 numbered verses. Remember that it is a general rule of this book to apply all coding patterns to both of the text types, all 6348 verses and 6236 numbered verses and this fact exist in the 6236 verses. Here is the illustration of the coding pattern I described:

> [The number of words of the First general verse index that is multiple of 19] [The number of words of the Second general verse index that is multiple of 19] . . . . [The number of words of the Last general verse index that is multiple of 19]

If we use the real numbers in the above formula, it would be like this:

> [7] [15] . . . . [2]

And, the final number after all the concatenation would look like this:

> 715 2

Here is the proof:

```
x<- nQuran #in 6236 numbered verses
tmp <- x$VerseI
i <- which( (as.numeric(tmp) %% 19) == 0)

cat("The number of verses with
    the general verse index as multiple of 19 is ",
    length(i))

## The number of verses with
##     the general verse index as multiple of 19 is  328
```

```
tmp<-x$vwords[i]
tmp <- paste0(tmp, collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0
```

Also, here is the 503 digits length big number:

"715101810173032431583927671414264513917152789291715254882014371824131
534206491614971515161641138136722221910166181222242911918222826114210 1
511201918155161726733624191616157125656101412271991325131314231123239 9
141181489847129668151891291314232710101914810263533198879861166311545 4
511121171313151213101312138221082116142313121022181372598693654435464 6
745341117141239192017812102498913987651113161544153112124937666525426 9
148345244213471219241518141812351055447811116435646243332654643539952 5
44264123944242"

Fact on the letter content: In this **fact**, we will observe that, in the same indexes described above, namely the general indexes of the verses that has multiple of 19 word content), if we concatenate the number of letters from right to left as with the rewriting coding pattern, then we observe the resulting big number is again multiple of 19. Here is the illustration of the coding pattern I described:

> [The number of letters of the Last general verse index that has multiple of 19 word content] . . . . [The number of letters of the Second general verse index that has multiple of 19 word content] [The number of letters of the First general verse index that has multiple of 19 word content]

If we use the real numbers in the above formula, it would be like this:

> [29] . . . . [14] [8]

And, the final number after all the concatenation would look like this:

> 29 148

Here is the proof:

```
x<- nQuran # 6236 numbered verses
tmp <- x$VerseI
i <- which( (as.numeric(tmp) %% 19) == 0)
cat("The number of verses with
```

```
    the general verse index as multiple of 19 is ",
    length(i))

## The number of verses with
##     the general verse index as multiple of 19 is  328

tmp<-x$vletters[i]
tmpr <- rev(tmp)
tmpr <- paste0(tmpr, collapse = "")
as.bigz(tmpr) %% 19 #mod 19 must be zero if multiple of 19

## Big Integer ('bigz') :
## [1] 0
```

Also, here is the 691 digits length big number:

"814101814421214618321017171991941371622151424111919131816161713341320
191312313646313517172025402413476564697210187511635510191610231920271 8
643231116991429222736193617534814155172607562421929284236534032351074 3
553470768214653627644122201528331520212415162024251336233938972762778 5
506761102617578393792326443604362657546523044535817182923214017202343 2
435353337388710815012243404785304210197514538513982533523273339271629 3
743603446653834102814492565848108604483103574639242829196339586268101 1
012712335104777320747363814760391414711312688883744122110954481266940 8
089883033661464716667069593432566044280921398052928716262813720410268 8
312537321076981476618796685424911618235611871301225946715070 29"

5.4.2.2 Fact on verse level word content with letters

In Evidence 5.4.2, we witnessed that the concatenation of the general verse indexes of the verses with multiple of 19 yield a big number, which is multiple of 19 considering all the 6348 verses. In this **fact**, we will observe that if we concatenate the number of letters from right the left as with the rewriting coding pattern, then we observe the resulting big number is again multiple of 19. As the general rule, when we have letter content we only try rewriting direction while concatenating in the usual codings. Moreover the same coding pattern exist in both 6348 verses and also in 6236 numbered verses because the word contents are the same. Here is the illustration of the coding pattern I described:

> [The number of letters of the last verse that has multiple of 19 word content] . . . .
> [The number of letters of the second verse that has multiple of 19 word content]
> [The number of letters of the first verse that has multiple of 19 word content]

If we use the real numbers in the above formula, it would be like this:

[250] . . . . [86] [77]

And, the final number after all the concatenation would look like this:

250 8677

Here is the proof:

```
x<- unQuran # 6348 verses
tmp <- x$vwords
i <- which( (as.numeric(tmp) %% 19) == 0)
tmp<-x$vletters[i]
tmpr <- rev(tmp)
tmpr <- paste0(tmpr, collapse = "")
as.bigz(tmpr) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0
```

Also, here is the 337 digits length big number:

“2508773877316784767786939416776721528971907388938989828781858376688787876876719189887263667876148857813677729285733158717314087859485927976747775836317380787876967682718391716582757489671018679846876807975726384738576818610582848872829579808177798315614695747775677678788915871869091163797577177889178848780872471637579836177698680708677”

The exact same coding pattern also exist in the 6236 numbered verses since the multiple of 19 word content are the same in both texts and so the letters.

5.5 Evidences and facts on indexes

In this chapter, we will see answer to this question: “Are there 19 based codes in particular to the chapter or verse indexes of the text of Quran?”. The short answer is yes. We observe that the special verse indexes have clear 19 based coding. There are also other meaningful facts that might suggest the relation of general verse indexes to chapter and verse indexes too, which I present separately as **facts** in the subsections of this main chapter.

5.5.1 Evidence: the order of each and every verses

Quran was known to be revealed to Prophet Muhammad in around 22 years. All Muslims has this historical information that the order of the revelation was different than in the book of Quran we have in our hands today. I believe that the final order is also no coincidence, especially considering the odd situation with the unnumbered Basmala verses

and also the bizarre absence of Basmala verse before Chapter 9 contrary to all the other chapters. Moreover, I interpret Verse 75:17 literally and consider it as a support on this matter too.

> "It is for Us to collect it and relate it.", Quran, 75:17

So, I believe, Quran was built as a book in this order with current verse and chapter orders deliberately from the beginning by God. However, as always, God knows best and this is what I understand.

All the previously presented evidences already supports this hypothesis. I also wanted to test whether there is any further 19 based coding with respect to the order of the verses alone If there is, it further assures that the order and size of all the verses (consequently, the order of chapters too) are intact and thus protected until today since around 632. We had already observed strong evidences so far but, I specifically wanted to test the order of verses alone as well, as it is the backbone of the structure of the text of Quran.

So, how could we test it? What should be the most meaningful rule to test that can convince ourselves such that there is a strong and miraculous evidence on the order of all the verses of Quran. So, I set the most simple and meaningful rule for this test, which is the most concise with no redundant number in it and yet sufficient to the test the order of the verses. We simply concatenated all the special verse indexes per chapter in their order in the book. Since we already know the order of the verses, we can just concatenate the special verse indexes regarding their current order from first to last verse and obtain the code to test. By special verse indexes, I mean the verse indexes we observe in each chapter, namely the verse indexes special to each chapter. So, the rule is very simple and also meaningful. We just concatenate all the indexes of the special verses indexes per chapter in their order in the Quran, starting from the first chapter till the last one that is 114. This big number does not contain any redundant and unnecessary number to perform the test on the goal of interest, which is the order and size of verses and chapters as well.

Since, as per the universal rule, we have to apply all the coding patterns in both of the text types (6236 numbered and also all the 6348 verses) of Quran, we have to test this coding pattern in 6348 verses too. As there is no indexes of the unnumbered verses, we end up with the same big number to be tested for all the 6438 verses as well. This means, as the consequence of the universal rule, we have two tests and so have two successes with this evidence when we consider the special verse indexes.

Here is the illustration of the coding pattern I described:

> [The special verse index of the First verse of Quran (in first chapter)] [The special verse index of the Second verse of Quran (in first chapter)] . . . . [The special verse index of the Last verse of Quran (in last chapter)]

If we use the real numbers in the above formula, it would be like this:

$$[1][2]....[6]$$

And, the final number after all the concatenation would look like this:

$$12....6$$

Here is the reproducible test and proof of this evidence that supports the hypothesis that the order of chapters and verses and also the size of verses of each chapter is correct and intact and protected from the beginning till now for more than 1387 years. As seen below, this big number is multiple of by 19, which stands as another important coding for the 19 based coding system of the text of Quran. Here is the proof of this evidence:

```
cat("The head part of the special verse indexes:")

## The head part of the special verse indexes:

head(nQuran$verse)

## [1] 1 2 3 4 5 6

cat("The tail part of the special verse indexes:")

## The tail part of the special verse indexes:

tail(nQuran$verse)

## [1] 1 2 3 4 5 6

tmpVc <- paste0(nQuran$verse, collapse = '')
cat("Test for mod 19:")

## Test for mod 19:

as.integer(as.bigz(tmpVc) %% 19)

## [1] 0

cat("The number of digits of the final number is: ", nchar(tmpVc))

## The number of digits of the final number is:  12471
```

Also, I need to mention that I thought I had first found this coding myself in 2019 as it was perfectly fitting to my general rules that I described in the beginning of the book, which is "concatenation of natural numbers in natural order". However, a few years later, I realized that this particular coding was already presented in another study too. I am not sure who

first discovered it but since it is the only book publication that I saw this particular coding, I cite that publication, which is (Akdemir 2018) on page 126 (Last downloaded Nov 2022), for this particular code. This code is the only code that I needed to cite in my book as part of the general 19 based system I discovered and present in this book.

As the last thing to do, let's add the number of successful evidences and the number of trials to be tested regarding this evidence in the global counter so that in the end of the book we can calculate the global probability using the counters. Since we always consider the two text categories, this success is valid for both of them. So, we can say that, we have two out of two successes.

However, since I consider all the main indexes, we could also consider the chapter indexes from 1 to 114. Although 114 is multiple of 19, the current coding pattern, concatenation of its (6236 or 6348) indexes from 1 to 114 is not multiple of 19. Therefore, I will add two more trials into the global counters to be fair and as always be conservative on this point. Let me be more conservative and count the words and letters cases as well, which adds another 4 trials to the counters. We add them to the global counters as follows:

```
global_tested_nums <- global_tested_nums + 8
global_success_nums <- global_success_nums + 2
```

Finally, here is the 12471 digits length big number:

"1234567123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100101102103104105106107108109110111112113114115116117118119120121122123124125126127128129130131132133134135136137138139140141142143144145146147148149150151152153154155156157158159160161162163164165166167168169170171172173174175176177178179180181182183184185186187188189190191192193194195196197198199200123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100101102103104105106107108109110111112113114115116117118119120121122123124125126127128129130131132133134135136137138139140141142143144145146147148149150151152153154155156157158159160161162163164165166167168169170171172173174175176177178179180181182183184185186187188189190191192193194195196197198199200123456789101112131415161718192021222324252627282930313233343536373839404142434445

5464748495051525354555657585960616263646566676869707172737475767778798
0818283848586878889909192939495969798991001011021031041051061071081091
1011111211311411511611711811912012112212312412512612712812913013113213
3134135136137138139140141142143144145146147148149150151152153154155156
1571581591601611621631641651661671681691701711721731741751761234567891
0111213141516171819202122232425262728293031323334353637383940414243444
5464748495051525354555657585960616263646566676869707172737475767778798
0818283848586878889909192939495969798991001011021031041051061071081091
1011111211311411511611711811912012345678910111213141516171819202122232
4252627282930313233343536373839404142434445464748495051525354555657585
9606162636465666768697071727374757677787980818283848586878889909192939
4959697989910010110210310410510610710810911011111211311411511611711811
9120121122123124125126127128129130131132133134135136137138139140141142
1431441451461471481491501511521531541551561571581591601611621631641651
2345678910111213141516171819202122232425262728293031323334353637383940
4142434445464748495051525354555657585960616263646566676869707172737475
7677787980818283848586878889909192939495969798991001011021031041051061
0710810911011111211311411511611711811912012112212312412512612712812913
0131132133134135136137138139140141142143144145146147148149150151152153
1541551561571581591601611621631641651661671681691701711721731741751761
7717817918018118218318418518618718818919019119219319419519619719819920
0201202203204205206123456789101112131415161718192021222324252627282930
3132333435363738394041424344454647484950515253545556575859606162636465
6667686970717273747512345678910111213141516171819202122232425262728293
0313233343536373839404142434445464748495051525354555657585960616263646
5666768697071727374757677787980818283848586878889909192939495969798991
0010110210310410510610710810911011111211311411511611711811912012112212
3124125126127128129123456789101112131415161718192021222324252627282930
3132333435363738394041424344454647484950515253545556575859606162636465
6667686970717273747576777879808182838485868788899091929394959697989910
0101102103104105106107108109123456789101112131415161718192021222324252
6272829303132333435363738394041424344454647484950515253545556575859606
1626364656667686970717273747576777879808182838485868788899091929394959
6979899100101102103104105106107108109110111112113114115116117118119120
1211221231234567891011121314151617181920212223242526272829303132333435
3637383940414243444546474849505152535455565758596061626364656667686970
7172737475767778798081828384858687888990919293949596979899100101102103
1041051061071081091101111234567891011121314151617181920212223242526272
8293031323334353637383940414243123456789101112131415161718192021222324
2526272829303132333435363738394041424344454647484950515212345678910111

2131415161718192021222324252627282930313233343536373839404142434445464
7484950515253545556575859606162636465666768697071727374757677787980818
2838485868788899091929394959697989912345678910111213141516171819202122
2324252627282930313233343536373839404142434445464748495051525354555657
5859606162636465666768697071727374757677787980818283848586878889909192
9394959697989910010110210310410510610710810911011111211311411511611711
8119120121122123124125126127128123456789101112131415161718192021222324
2526272829303132333435363738394041424344454647484950515253545556575859
6061626364656667686970717273747576777879808182838485868788899091929394
9596979899100101102103104105106107108109110111123456789101112131415161
7181920212223242526272829303132333435363738394041424344454647484950515
2535455565758596061626364656667686970717273747576777879808182838485868
7888990919293949596979899100101102103104105106107108109110123456789101
1121314151617181920212223242526272829303132333435363738394041424344454
6474849505152535455565758596061626364656667686970717273747576777879808
1828384858687888990919293949596979812345678910111213141516171819202122
2324252627282930313233343536373839404142434445464748495051525354555657
5859606162636465666768697071727374757677787980818283848586878889909192
9394959697989910010110210310410510610710810911011111211311411511611711
8119120121122123124125126127128129130131132133134135123456789101112131
4151617181920212223242526272829303132333435363738394041424344454647484
9505152535455565758596061626364656667686970717273747576777879808182838
4858687888990919293949596979899100101102103104105106107108109110111112
1234567891011121314151617181920212223242526272829303132333435363738394
0414243444546474849505152535455565758596061626364656667686970717273747
5767778123456789101112131415161718192021222324252627282930313233343536
3738394041424344454647484950515253545556575859606162636465666768697071
7273747576777879808182838485868788899091929394959697989910010110210310
4105106107108109110111112113114115116117118123456789101112131415161718
1920212223242526272829303132333435363738394041424344454647484950515253
5455565758596061626364123456789101112131415161718192021222324252627282
9303132333435363738394041424344454647484950515253545556575859606162636
4656667686970717273747576771234567891011121314151617181920212223242526
2728293031323334353637383940414243444546474849505152535455565758596061
6263646566676869707172737475767778798081828384858687888990919293949596
9798991001011021031041051061071081091101111121131141151161171181191201
2112212312412512612712812913013113213313413513613713813914014114214314
4145146147148149150151152153154155156157158159160161162163164165166167
1681691701711721731741751761771781791801811821831841851861871881891901
9119219319419519619719819920020120220320420520620720820921021121221321

4215216217218219220221222223224225226227123456789101112131415161718192
0212223242526272829303132333435363738394041424344454647484950515253545
5565758596061626364656667686970717273747576777879808182838485868788899
0919293123456789101112131415161718192021222324252627282930313233343536
3738394041424344454647484950515253545556575859606162636465666768697071
7273747576777879808182838485868788123456789101112131415161718192021222
3242526272829303132333435363738394041424344454647484950515253545556575
8596061626364656667686912345678910111213141516171819202122232425262728
2930313233343536373839404142434445464748495051525354555657585960123456
7891011121314151617181920212223242526272829303132333412345678910111213
1415161718192021222324252627282930123456789101112131415161718192021222
3242526272829303132333435363738394041424344454647484950515253545556575
8596061626364656667686970717273123456789101112131415161718192021222324
2526272829303132333435363738394041424344454647484950515253541234567891
0111213141516171819202122232425262728293031323334353637383940414243444
5123456789101112131415161718192021222324252627282930313233343536373839
4041424344454647484950515253545556575859606162636465666768697071727374
7576777879808182831234567891011121314151617181920212223242526272829303
1323334353637383940414243444546474849505152535455565758596061626364656
6676869707172737475767778798081828384858687888990919293949596979899100
1011021031041051061071081091101111121131141151161171181191201211221231
2412512612712812913013113213313413513613713813914014114214314414514614
7148149150151152153154155156157158159160161162163164165166167168169170
1711721731741751761771781791801811821234567891011121314151617181920212
2232425262728293031323334353637383940414243444546474849505152535455565
7585960616263646566676869707172737475767778798081828384858687881234567
8910111213141516171819202122232425262728293031323334353637383940414243
4445464748495051525354555657585960616263646566676869707172737475123456
7891011121314151617181920212223242526272829303132333435363738394041424
3444546474849505152535455565758596061626364656667686970717273747576777
8798081828384851234567891011121314151617181920212223242526272829303132
3334353637383940414243444546474849505152535412345678910111213141516171
8192021222324252627282930313233343536373839404142434445464748495051525
3123456789101112131415161718192021222324252627282930313233343536373839
4041424344454647484950515253545556575859606162636465666768697071727374
7576777879808182838485868788891234567891011121314151617181920212223242
5262728293031323334353637383940414243444546474849505152535455565758591
2345678910111213141516171819202122232425262728293031323334353637123456
7891011121314151617181920212223242526272829303132333435123456789101112
1314151617181920212223242526272829303132333435363738123456789101112131

4151617181920212223242526272829123456789101112131415161718123456789101
1121314151617181920212223242526272829303132333435363738394041424344451
2345678910111213141516171819202122232425262728293031323334353637383940
4142434445464748495051525354555657585960123456789101112131415161718192
0212223242526272829303132333435363738394041424344454647484912345678910
1112131415161718192021222324252627282930313233343536373839404142434445
4647484950515253545556575859606162123456789101112131415161718192021222
3242526272829303132333435363738394041424344454647484950515253545512345
6789101112131415161718192021222324252627282930313233343536373839404142
4344454647484950515253545556575859606162636465666768697071727374757677
7812345678910111213141516171819202122232425262728293031323334353637383
9404142434445464748495051525354555657585960616263646566676869707172737
4757677787980818283848586878889909192939495961234567891011121314151617
1819202122232425262728291234567891011121314151617181920212212345678910
1112131415161718192021222324123456789101112131234567891011121314123456
7891011123456789101112345678910111213141516171812345678910111212345678
9101112123456789101112131415161718192021222324252627282930123456789101
1121314151617181920212223242526272829303132333435363738394041424344454
6474849505152123456789101112131415161718192021222324252627282930313233
3435363738394041424344454647484950515212345678910111213141516171819202
1222324252627282930313233343536373839404142434412345678910111213141516
1718192021222324252627281234567891011121314151617181920212223242526272
8123456789101112131415161718192012345678910111213141516171819202122232
4252627282930313233343536373839404142434445464748495051525354555612345
6789101112131415161718192021222324252627282930313233343536373839401234
5678910111213141516171819202122232425262728293031123456789101112131415
1617181920212223242526272829303132333435363738394041424344454647484950
1234567891011121314151617181920212223242526272829303132333435363738394
0123456789101112131415161718192021222324252627282930313233343536373839
4041424344454612345678910111213141516171819202122232425262728293031323
3343536373839404142123456789101112131415161718192021222324252627282912
3456789101112131415161718191234567891011121314151617181920212223242526
2728293031323334353612345678910111213141515161718192021222324251234567 89
1011121314151617181920212212345678910111213141516171234567891011121314
1516171819123456789101112131415161718192021222324252612345678910111213
1415161718192021222324252627282930123456789101112131415161718192012345
6789101112131415123456789101112131415161718192021123456789101112345678
1234567812345678910111213141516171819123451234567812345678123456789101
1123456789101112345678123123456789123451234123456712312345612312345123
412345123456”

Discussion on this and other similar evidences:

Can you imagine that people of that time could design such an evidence themselves even if they wanted to? They did not even had abundance of papers and pen but using mainly animal skins as papers. Imagine right now, you are given this task and a big prize. Can you manually, using only papers and pen, divide this big very big number into 19 and make sure it is multiple of 19? As you might admit, this seems practically impossible to perform by the people of that time with their limited knowledge.

Another point is that this evidence supports the idea that not only the order of chapters, but also the total number of verses per chapter is also intact and thus unchanged since the beginning till now. This evidence is so simple and elegant and thus stands up against any argument on the verse order of the text of Quran.

5.5.1.1 Fact: Rewriting chapter indexes

This code is against the general rules but kept here as an achieve to make sure future investigators would have a better reason to include it as evidence in case they consider it. Because I do not consider it as an evidence as dies not align with my general rules set. In this code when the chapter indexes of each chapter are concatenated from right to left in the numbered verses of Quran, the resulting big number is multiple of 19 as below. Since this approach is against the rules I set in this book, I just present it as a code, which might be useful fo related discussions in the future.

```
tmp <- paste0(dfVCwl$Chapter_index)
tmpr<-rev(tmp)
head(tmpr)

## [1] "114" "113" "112" "111" "110" "109"

tmpr <- paste0(tmpr, collapse = '')
cat(as.numeric(as.bigz(tmpr) %% 19))

## 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 234
```

Here is the 234 digits length big number:

“114113112111110109108107106105104103102101100999897969594939291908988
87868584838281807978777675747372717069686766656463626160595857565554 53

525150494847464544434241403938373635343332313029282726252423222120191817161514131211109876543 21”

5.5.2 Facts: The general verse indexes and others

In this section, I will present codings as **facts** that show the 19 based codes between the general verse indexes and others indexes, which are chapters and special verse indexes. As a general rule we do not test the combinations of the four main descriptive numbers. On the other hand, general verse indexes are outside of these four main descriptive numbers. Thus, we might have specific hypotheses for it. The following sub-sections presents the mentioned facts.

5.5.2.1 Fact: Pairing general verse and chapters

This fact shows a coding among the general verse indexes and the corresponding chapter indexes of both text types of Quran, namely, all 6348 verses and only 6236 numbered verses.

I will present a fact similar to the paired coding pattern of Evidence 4.2.11.2, but this time, with only **general verse** indexes and **chapter** indexes. This fact is also similar to the general pairing approach we have in Evidence 4.2.11, Evidence 4.2.11.1 and also Evidence 4.2.11.2.

```
tmp1 <- paste0(unQuran$VerseI, unQuran$chapter)
tmp2 <- paste0(nQuran$VerseI, nQuran$chapter)
tmp <- paste0(tmp1,tmp2)

# To see what is going on in
# concatenation at the unmatched indexes
head(tmp)

## [1] "1111" "2121" "3131" "4141" "5151" "6161"

tmp1[6235:6238]

## [1] "623599" "623699" "623799" "623899"

tmp2[6235:6236]

## [1] "6235114" "6236114"

tmp[6235:6238]

## [1] "6235996235114" "6236996236114" "62379911"      "62389921"
```

```r
#
tmp <- paste0(tmp, collapse = '')
cat(as.integer(as.bigz(tmp) %% 19))

## 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 71090
```

Here is the 71090 digits length big number:

“111121213131414151516161717182829292102102112112122122132132142142152
152162162172172182182192192202202212212222222232232242242252252262262
722722822822922923023023123123223223323323423423523523623623723723823
823923924024024124124224224324324424424524524624624724724824824924925
025025125225225325325425425525525625625725725825825925926026026126126
226226326326426426526526626626726726826826926927027027127127227227327
327427427527527627627727727827827927928028028128128228228328328428428
528528628728728828828928928928928928928928928928928928928928928928928
928928928928928928928928928928928928928928928928928928928928928928928
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5.5.2.2 Fact: The general and special verse indexes

This **fact**, shows a coding between the general verse indexes and 6236 numbered special verse indexes as below. Basically when you concatenate the general and special verse indexes and merge in the writing order from right to left then the the resulting big number is multiple of 19.

```
## General verse indexes and verses
x<- data.table(nQuran)
tmp <- paste0(x$VerseI,x$verse)
head(tmp) # see the head of the number

## [1] "11" "22" "33" "44" "55" "66"

tail(tmp) # see the tail of the number
```

```
## [1] "62311" "62322" "62333" "62344" "62355" "62366"

tmpr <- rev(tmp)
tmpr <- paste0(tmpr, collapse = '')
as.integer(as.bigz(tmpr) %% 19)

## [1] 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 36308
```

Here is the 36308 digits length big number:

“6236662355623446233362322623116230562294622836227262261622546224362232622216221562204621936218262171621636215262141621366212562114621036209262081620736206262051620476203662025620146200361992619816197461963619526194161935619246191361902618916188961878618676185661845618346182361812618016179361782617716176861757617466173561724617136170261691616811616710616696165861647616366162561614616036159261581615711615610615596154861537615266151561504614936148261471614686145761446614356142461413614021391613886137761366613556134461333613226131161305612946128361272612616125196124186123176122166121156120146119136118126117116116106115961148611376112661115611046109361082610716106861057610466103561024610136100260991609886097760966609556094460933609226091160901160891060889608786086760856608456083460823608126080160792160782060771960761860751760741660731560721460711360701260691160681060679606686065760646606356062460613606026059160581560571460561360551260541160531060529605186050760496604856047460463604526044160432060421960411860401760391660381560371460361360351260341160331060329603186030760296602856027460263602526024160233060222960212860202760192660182560172460162360152260142160132060121960111860101760091660081560071460061360051260041160031060029600186000759996599855997459963599525994159932659922559912459902359892259882159872059861959851859841759831659821559811459801359791259781159771059769597585974759736597255971459703596925968159671959661859651759641659631559621459611359601259591159581059579595685955759546595355952459513595025949159481759471659461559451459441359431259421159411059409593985938759376593655935459343593325932159312259302159292059281959271859261759251659241559231459221359211259201159191059189591785916759156591455913459123591125910159092559082459072359062259052159042059031959021859011759001658991558981458971358961258951158941058939589285891758906588955888458873588625885158843658833558823458813358803258793158783058772958762858752758742658715884365883355882345881335880325879315878305877295876285875275874265871

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7163156162155161154160153159152158151157150156149155148154147153146152
1451511441501431491421481411471401461391451381441371431361421351411341
4013313913213813113713013612913512813412713312613212513112413012312912
2128121127120126119125118124117123116122115121114120113119112118111117
1101161091151081141071131061121051111041101031091021081011071001069910
5981049710396102951019410093999298919790968995889487938692859184908389
8288818780867985788477837682758174807379727871777076697568746773667265
7164706369626861676066596558645763566255615460535952585157505649554854
4753465245514450434942484147404639453844374336423541344033393238313730
3629352834273326322531243023292228212720261925182417231622152114201319
1218111710169158147136125114103928177665544332211”

5.5.2.3 Fact: The general verse indexes and chapters

The coding pattern of this fact is the same as the previous section. This **fact**, shows the coding between the general verse indexes and their corresponding chapter indexes below. Basically when you concatenate the general and the corresponding chapter indexes and merge in the Arabic writing order from right to left then the resulting big number is multiple of 19. First, between the 6236 numbered general verse indexes and their corresponding chapter indexes:

```
## General verse indexes and chapters
# 2 ordered numbers; thus 2 tests; two success
#numbered verses, nQuran object
x<- data.table(nQuran)
tmp <- paste0(x$VerseI,x$chapter)
tmpr <- rev(tmp)
head(tmpr)

## [1] "6236114" "6235114" "6234114" "6233114" "6232114" "6231114"

tail(tmpr)

## [1] "61" "51" "41" "31" "21" "11"

tmpr <- paste0(tmpr, collapse = '')
cat(as.numeric(as.bigz(tmpr) %% 19))

## 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 35035
```

You can access this “35035” digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/6.1.3.2.A_Evidence_bignumber.txt

Also, here is the 35035 digits length big number:

“623611462351146234114623311462321146231114623011362291136228113622711
362261136225112622411262231126222112622111162201116219111621811162171 1
162161106215110621411062131096212109621110962101096209109620810962071 0
862061086205108620410762031076202107620110762001076199107619810761971 0
661961066195106619410661931056192105619110561901056189105618810461871 0
461861046185104618410461831046182104618110461801046179103617810361771 0
361761026175102617410261731026172102617110261701026169102616810161671 0
161661016165101616410161631016162101616110161601016159101615810161571 0
061561006155100615410061531006152100615110061501006149100614810061471 0
061469961459961449961439961429961419961409961399961389861379861369861 3
598613498613398613298613198613097612997612897612797612697612596612496 6
123966122966121966120966119966118966117966116966115966114966113966112 9
661119661109661099661089661079661069561059561049561039561029561019561 0
095609995609894609794609694609594609494609394609294609194609093608993 6
088936087936086936085936084936083936082936081936080936079926078926077 9
260769260759260749260739260729260719260709260699260689260679260669260 6
592606492606392606292606192606092605992605891605791605691605591605491 6
053916052916051916050916049916048916047916046916045916044916043906042 9
060419060409060399060389060379060369060359060349060339060329060319060 3
090602990602890602790602690602590602490602389602289602189602089601989 6
018896017896016896015896014896013896012896011896010896009896008896007 8
960068960058960048960038960028960018960008959998959988959978959968959 9
589599489599388599288599188599088598988598888598788598688598588598488 5
983885982885981885980885979885978885977885976885975885974885973885972 8
859718859708859698859688859678759668759658759648759638759628759618759 6
087595987595887595787595687595587595487595387595287595187595087594987 5
948865947865946865945865944865943865942865941865940865939865938865937 8
659368659358659348659338659328659318559308559298559288559278559268559 2
585592485592385592285592185592085591985591885591785591685591585591485 5
913855912855911855910855909845908845907845906845905845904845903845902 8
459018459008458998458988458978458968458958458948458938458928458918458 9
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878835877835876835875835874835873835872835871835870835869835868835867 8
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583585483585383585283585183585083584983584882584782584682584582584482 5

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5353684353683353682353681353680353679353678353677353676353675353674353
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4347334723471347034693468346734663465346434633462346134603459345834573
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4333333323331333033293328332733263325332433233322333213320331933183317 3
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2261260259258257256255254253252251250249248247246245244243242241240239
2382372362352342332322312302292282272262252242232222212202192182172162
1521421321221121029282716151413121 11”

Second related coding exist also for all the 6348 verses. We look at the same pattern if exist in all the 6348 verses and see that it exists too. As you will witness below, between the 6348 general verse indexes and their corresponding chapter indexes, we witness the same 19 based design coding patter as follows:

```
# unQuran object
x<- data.table(unQuran)
tmp <- paste0(x$VerseI,x$chapter)
tmpr <- rev(tmp)
head(tmpr)

## [1] "6348114" "6347114" "6346114" "6345114" "6344114" "6343114"

tail(tmpr)
```

```
## [1] "61" "51" "41" "31" "21" "11"

tmpr <- paste0(tmpr, collapse = '')
as.integer(digitsum(tmpr) %% 19)

## [1] 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 35715
```

As just shown, the general verse indexes have an interesting 19 based coding with their chapter indexes of the text of Quran. You can access this “35715” digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/6.1.3.2.B_Evidence_bignumber_6348verses.txt

Also, here is the big number:

“634811463471146346114634511463441146343114634211463411136340113633911
363381136337113633611363351126334112633311263321126331112633011163291 1
163281116327111632611163251116324110632311063221106321110632010963191 0
963181096317109631610963151096314109631310863121086311108631010863091 0
763081076307107630610763051076304107630310763021076301106630010662991 0
662981066297106629610562951056294105629310562921056291105629010462891 0
462881046287104628610462851046284104628310462821046281104628010362791 0
362781036277103627610262751026274102627310262721026271102627010262691 0
262681026267101626610162651016264101626310162621016261101626010162591 0
162581016257101625610162551006254100625310062521006251100625010062491 0
062481006247100624610062451006244100624399624299624199624099623999623 8
996237996236996235996234986233986232986231986230986229986228986227986 2
269862259762249762239762229762219762209762199662189662179662169662159 6
621496621396621296621196621096620996620896620796620696620596620496620 3
966202966201966200966199956198956197956196956195956194956193956192956 1
919561909461899461889461879461869461859461849461839461829461819361809 3
617993617893617793617693617593617493617393617293617193617093616992616 8
926167926166926165926164926163926162926161926160926159926158926157926 1
569261559261549261539261529261519261509261499261489261479161469161459 1
614491614391614291614191614091613991613891613791613691613591613491613 3
916132916131906130906129906128906127906126906125906124906123906122906 1
219061209061199061189061179061169061159061149061139061129061119061108 9
610989610889610789610689610589610489610389610289610189610089609989609 8
```
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896097896096896095896094896093896092896091896090896089896088896087896 0
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603987603887603787603687603587603487603387603286603186603086602986602 8
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775712775711775710775709775708775707775706775705775704775703775702775 7
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565475565375565275565175565075564975564875564775564675564575564475564 3
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9066905690469036902690169006899689868976896689568946893689268916890688
9688868876886688568846883688268816880687968786877687668756874687368726
8716870686968686867686668656864686368626861686068596858685768566855685

4685368526851685068496848684768466845684468436842684168406839683868376
8366835683468336832683168306829682868276826682568246823682268216820681
9681868176816681568146813681268116810680968086807680668056804680368026
8016800679967986797679667956794679357925791579057895788578757865785578
4578357825781578057795778577757765775577457735772577157705769576857675
7665765576457635762576157605759575857575756575555754575357525751575057 4
9574857475746574557445743574257415740573957385737573657355734573357325
7315730572957285727572657255724572357225721572057195718571757165715571
4571357125711571057095708570757065705570457035702570157005699569856975
6965695569456935692569156905689568856875686568556845683568256815680567
9567856775676567556745673567246714670466946684667466646654664466346624
6614660465946584657465646554654465346524651465046494648464746464645464
4464346424641464046394638463746364635463446334632463146304629462846274
6264625462446234622462146204619461846174616461546144613461246114610460
9460846074606460546044603460246014600459945984597459645954594459345924
5914590458945884587458645854584458345824581458045794578457745764575457
4457345724571457045694568456745664565456445634562456145604559455845574
5564555455445534552455145504549454845474546454545444543454245414540453
9453845374536453545344533453245314530452945284527452645254524452345224
5214520451945184517451645154514451345124511451045094508450745064505450
4450345024501450044994498449744964495349434933492349134903489348834873
4863485348434833482348134803479347834773476347534743473347234713470346
9346834673466346534643463346234613460345934583457345634553454345334523
4513450344934483447344634453444344334423441344034393438343734363435343
4343334323431343034293428342734263425342434233422342134203419341834173
4163415341434133412341134103409340834073406340534043403340234013400339
9339833973396339533943393339233913390338933883387338633853384338333823
3813380337933783377337633753374337333723371337033693368336733663365336
4336333623361336033593358335733563355335433533352335133503349334833473
3463345334433433342334133403339333833373336333533343333333233313330332
9332833273326332533243323333223321332033193318331733163315331433313331 23
3113310330933083307330633053304330333023301330032993298329732963295329
4229322922291229022892288228722862285228422832282228122802279227822772
2762275227422732272227122702269226822672266226522642263226222612260225
9225822572256225522542253225222512250224922482247224622452244224322422
2412240223922382237223622352234223322322231223022292228222722262225222
4222322222221222022192218221722162215221422132212221122102209220822072
2062205220422032202220122002199219821972196219521942193219221912190218
9218821872186218521842183218221812180217921782177217621752174217321722
1712170216921682167216621652164216321622161216021592158215721562155215

4215321522151215021492148214721462145214421432142214121402139213821372
1362135213421332132213121302129212821272126212521242123212221212120211
9211821172116211521142113211221112110210921082107210621052104210321022
1012100299298297296295294293292291290289288287286285284283282281280279
2782772762752742732722712702692682672662652642632622612602592582572562
5525425325225125024924824724624524424324224124023923823723623523423323
2231230229228227226225224223222221220219218217216215214213212211210292
8271615141312111”

5.6 Fibonacci based Evidences

Under this main chapter, I will present evidences over the text of Quran, that suggest that there is also 19 based evidences exist when we generate codes with a similar coding pattern to Fibonacci. Numbers of Fibonacci sequence is generated with the sum of the two preceding numbers and the initial two numbers of the sequence are 0 and 1. So, based on the general Fibonacci sequence coding pattern, I infer the new coding pattern that can be applied to all the integer numbers. It is needless to summarize the importance of Fibonacci sequence numbers, which we observe its pattern in nature and daily life. Fibonacci Numbers has also the unique relationship with the Golden Ratio. If we take any two successive Fibonacci Numbers and calculate their ratio, the results are approximately the Golden Ratio. Fibonacci Numbers and the Golden Ratio is what we clearly observe in the nature from the body parts of humans to DNA double helix or plants structures like flower petals to finance and so on. It is like one of the natural design patterns of creation. Therefore, hypothesizing that the Fibonacci coding pattern might also exist in the text structure of Quran within the 19 based coding system is a reasonable hypothesis as everything in nature was created by the same Creator with respect to his measures.

There were weak sources of information that caused me to contemplate about the Fibonacci coding pattern and also the 19 based system of Quran. I had been busy updating my book during the year 2022 and did not have time to try other potential codings in Quran. However, firstly, I randomly saw the below simple 19 based coding in a social media post and when I performed an internet search, I was able to find this online book material as potentially the first source of that code published in it (Adams 2020). However, I am still not sure about the first source of this code as I did not see an explanation about who found this code first in that book. Anyways, even in that online book, where this code was presented first, the following important questions were not addressed at all. Mainly, there was no explanation for why this a bit unusual coding pattern applied or what is this coding pattern about and why there is that additional 0 at the beginning of the number of the total verses number 6236. Therefore, the coding operation used looks like a bit stretching without such explanations, which does not exist in the book.

The shared code was the following: 6236 is the total number of numbered verses of Quran. If we take 06236 and sum each consecutive number of it with the previous one then we obtain 6859, which is exactly 19x19x19. Here is the each operation to get this number.

0+6 = 6

6+2 = 8

2+3 = 5

3+6 = 9

These numbers make 6859 and it is exactly equal to 19x19x19.

What could be the probability of such an observation? The probability of a number being multiple of 19x19x19 is 1/(19x19x19) = 1/6859. However, let's say we have 8 similar operations to generate similar numbers in total (total number of chapters, verses, words and letters in both 6236 and 6348 verses) that could be tried similarly. Therefore, it is fair to say the probability of such random observation alone could be like 8/6859 = 0.0011. This is around 1.1 in 1000 trials and it looks still statistically very significant and would not be considered to be observed by chance from scientific point of view. Since this is not a random book but the book that is claimed to be from the Creator of everything and followed by around 1.8 billion people, then it is more likely to be by design.

However, since there was no explanation for the reason of the initial 0 used in the coding operation and also an unusual coding pattern applied, the code did not seem much interesting to me initially. Because, in my book all the 19 based codes that I designated as evidence has a reason and explanation for why that coding pattern was used. Namely, all the evidences are rule based and have a meaningful explanation for why that pattern is used. For example, one of the universal rules I established in my book for concatenation operation is that,"natural numbers (of the text) are concatenated in natural order". If there is an exception, I need to make the explanation of the reason for such special cases. Getting back to the main topic, the code I saw still looked interesting to me as is because it is not only multiple of 19 but it is also exactly equal to 19x19x19. I thought, this is very unlikely, maybe there is something I could have not seen yet and that thought stuck in my mind and caused me to contemplate more about it.

In the same book of that code but at an unrelated section, there are some coding examples with Fibonacci numbers as well. However the two parts are not related in that book but independent. Regarding Fibonacci numbers, this information is shared in that book: "The sum of the first 37 primes is the 19th Fibonacci number". This number is 2584 (19x136) and it is also multiple of 19, from which we also see that the 19th Fibonacci number is also multiple of 19.

These are interesting information but just an interesting code like an isolated evidence or a strong fact as is without a rule based relation to 19 based system of the text of Quran. Then I decided to investigate more on the Fibonacci numbers and inferred a new Fibonacci coding pattern that can be applied to any single arbitrary integer number, which then allowed me to discover 19 based coding evidences with the Fibonacci coding pattern that exist over the text of Quran. In the number generation process of Fibonacci, the two preceding numbers are summed and a new Fibonacci number is generated. Also, it has to start with 0 as the initial number before starting with 1 for integers. However, we now want to apply Fibonacci coding pattern to any arbitrary number. In the digits of any integer number, the next digit is already known, therefore I just use apply the Fibonacci pattern among the digits of any integer number and generate a new number based in this pattern.

Therefore, this is an example that shows how I found that Fibonacci coding pattern can be applied to any number. Let's say we have the number 6236 and we want to apply the new Fibonacci coding pattern over it. We separate each digits of the selected number but start with 0 as we see in the Fibonacci sequence. Then we have these separate numbers sequence:

0 6 2 3 6

Then we apply the basic Fibonacci operation over these numbers, such that the two preceding numbers are summed and a new Fibonacci number is generated. Then we get each of these numbers:

0 + 6 = 6

6 + 2 = 8

2 + 3 = 5

3 + 6 = 9

And concatenation of each of these sums yields this new single number, 6859, as the final result. This example turns out to be the exact coding that initially caused me to think about Fibonacci and 19 based system. After inferring this Fibonacci coding pattern that can be applied to any arbitrary number then the 0 that was put at the beginning of 6236 became more meaningful. Also, the question of why we sum the two consecutive numbers was also answered. Therefore, my conclusion is that the code 6859 that is equal to 19x19x19 is also an evidence alone, as it is based on a meaningful coding pattern that we observe in nature, which is Fibonacci numbers. However, I usually consider simpler codes as clues and test them in a big number that corresponds to the clue but represent the Quran in more detail. Therefore, the next step was to test this hypothesis over the full text of Quran at verse level data. Then, I discovered new evidences as I will present in the following sub-chapters.

Further facts on Fibonacci numbers and 19:

Before proceeding to the evidences let me share some more facts about Fibonacci numbers itself and its natural relation to number 19. I already mentioned above that the 19th Fibonacci number is 2584 and it is multiple of 19. This is true when we start counting from the first number 0 in the Fibonacci numbers. There are also the following facts:

The sum of all the numbers until the 19th Fibonacci number is 6764 and it is also multiple of 19. Here are all the 19 Fibonacci numbers that yields the sum as 6764:

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584

The other fact is that, again starting from 0 as the first index of Fibonacci, not only the 19th Fibonacci number is multiple of 19 but also all the series of Fibonacci numbers at its index 19^n (n=1,2,3,..) are also multiple of 19. For example, Fibonacci(19), Fibonacci(19x19), Fibonacci(19x19x19) and so on are all multiple of 19. Not all, but only some numbers with same property has this divisibility by 19 property and one of them is the number 19. For example, number 17 does not have this property with Fibonacci sequence.

5.6.1 Fibonacci Evidence on Verses

I had already shown that when we applied the Fibonacci coding pattern, which I derived and explained in the previous section, then the number of the numbered verses of Quran, 6236, yields the coding number 6859 and it is multiple of 19. Even more it is exactly equal to 19x19x19.

Now, my hypothesis is as follows: That simple code was left as clue and it also exist in the full text of Quran considering verse level numbers all the special verse indexes.

This hypothesis is more interesting as we already have one additional information about the big coding number we obtain from the special verse indexes. In the evidence presented in Chapter 5.5.1, I already presented that the 12471 digits length big number that is obtained from the concatenation of all the special verse indexes in the natural order is multiple of 19. Now, in this chapter the hypothesis I describe tells that we will apply the Fibonacci coding pattern that I derived to this 12471 digits length big number and it should also be multiple of 19. When I tested this hypothesis I witnessed that this hypothesis is also true. I will present and prove below this coding that I considered as evidence since it is based on the clue Fibonacci coding over the number 6236.

Let's first write the function that will apply the Fibonacci coding pattern, which I derived and explained in the previous section, to any input integer number. I named this function as *codeFibSeq*.

```r
codeFibSeq <- function(x){
  # This function applies the Fibonacci coding pattern (as I
described) to the input number
  # It outputs a single number as the result.
  # x should be character especially for long numbers.
  b <- c()
  a <- unlist(strsplit(as.character(x), split=""))
  b <- c(b,a[1])
  lena<- length(a) - 1
  for( i in 1:lena ){
    tmpb <- as.numeric(a[i])+as.numeric(a[i+1])
    b<- c(b, tmpb )
  }
  return(paste0(b, collapse = "") )
}

# Example usage of this function on 6236.
# The result of the below example run must be 6859.
codeFibSeq(6236)

## [1] "6859"
```

We now have the function to apply the Fibonacci coding pattern and generate the result as a single coding number. As seen above, when we input the number 6236, the result is 6859 and it is the base code example we already know and shows that the function works as intended.

Now, in this evidence we will input the special verse indexes of all the 6236 numbered verses as a single number concatenated in their natural order. Recall that this 12471 digits length big number itself is also multiple of 19 and is also another code evidence that was presented in Chapter 5.5.1. It also works for all the 6348 verses as there is no number for the special verse indexes and they both result the same big number after concatenation.

```r
# The 6236 special verse indexes concatenated
tmp <- paste0(nQuran$verse, collapse = "")
# The length of this number is 12471 as seen:
nchar(tmp)

## [1] 12471

# As we know this itself was an evidence and multiple of 19.
as.bigz(tmp) %% 19 # As shown here again.
```

```
## Big Integer ('bigz') :
## [1] 0

#Now we input this 12471 length big number to the codeFibSeq function
tmp <-codeFibSeq(tmp) # The Fibonacci coding pattern is applied
nchar(tmp) # Length of this resulting coding number

## [1] 16594

# As we see, this 16594 digits length coding number is also multiple
of 19
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

As we witnessed, when we applied the Fibonacci coding pattern to the 12471 digits length big number of all the special verse indexes, which itself is multiple of 19, and generated the "16594" digits length big number as its Fibonacci coding representation, then the resulting coding number is also multiple of 19 as hypothesized and thus tested. I consider this coding as evidence as I explained before it is based on the same coding that we observed the number 6236 itself and considered it as a clue or key coding pattern. They together suggest a design and hence considered within the overall 19 based system presented in this book.

As the general rule of the system of my book, I apply all the codings to both text type, namely, 6236 unnumbered verses only and also all the 6348 verses. However, since the additional 112 Basmala verses do not have numbers, the special verse indexes of the 6348 verses are also the exactly the same numbers of the numbered verses. Therefore, we can rightfully state that, this successful coding that we observed in the 6236 numbered verses also exist in all the 6348 verses too.

Then, we can count how many trials we could try with this coding, considering total level, chapter level and verse level numbers of the verse data of the text data. Because, this book has also the general rule as such, when we use a coding as a clue, we only test its correspondence in a bigger number at different level of the similar data. Namely, if the clue is based on verse number like the 6236 verses, then we test the verse numbers at the different levels like the verse indexes over verse level data.

In the total level numbers, we observed the successful key coding on the number 6236 and used it as the clue but not in the number 6348. The follow up codes that were based on it are considered as the evidences and counted in the global counters of this book for general probability calculations. In verse level data, we observed it on both of them as both numbers were same. In chapter level, we don't observe this key coding pattern. Therefore

we can say that we performed 4 trials and observed 2 successes of this ke coding coding pattern. The probability of such observation alone is 0.015 (with 2 success, 4 trials, p=1/19). One may wonder, why we do we not observe this coding pattern in the chapter level data of the verse numbers. Maybe, it is because we have verse number as the clue and it is best to observe the evidence over the verse level data. Namely, maybe the chapter level data is not relevant here but I choose to be very conservative in the probability calculations and thus include the chapter level verse data as well in the probability calculations and thus I count 4 trials instead of 2. Now, let's also add these numbers into the global counters.

```
global_tested_nums <- global_tested_nums + 4
global_success_nums <- global_success_nums + 2
```

For the reference, to the best of my knowledge, Evidence 5.6.1 is also first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out Evidence 5.6.1 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

Also, here is the "16594" digits length big number:

"1357911138357911131517101122334455667788991011223344556677889910101112334455667788991010111112134455667788991010111112121314556677889910101111121213131415667788991010111112121313141415167788991010111112121313141415151617889910101111121213131415151616171899101011111212131314141515161617171810101112123134145156167178189191021122223324425526627728829921010321332343354365376387398310931110431442453464475486497410841194121054155256357458559651075118512951310651662673684695610661176128613961410761772783794710571167127713871497151087188289381048115812681378148815981610981

9929103911491259136914791589169917101091101021011310124101351014610157
1016810179101811201357911131517101122334455667788991011223344556677889
9101011123344556677889910101111121344556677889910101111121213145566778
8991010111112121313141566778899101011111212131314141516778899101011111
2121313141415151617889910101111121213131414151516161718991010111112121
3131414151516161717181010111212313414515616717818919102112222332442552
6627728829921010321332343354365376387398310931110431442453464754864 97
4108411941210541552563574585596510751185129513106516626736846956106611
7612861396141076177278379471057116712771387149715108718828938104811581
2681373579111315171011223344556677889910112233445566778899101011123344
5566778899101011111213445566778899101011111212131455667788991010111112
1213131415667788991010111112121313141415167788991010111112121313141415
1516178899101011111212131314141515161617189910101111121213131414151516
1617171810101112123134145156167178189191021122223324425526627728829921
0103213579111315171011223344556677889910112233445566778899101011123344
5566778899101011111213445566778899101011111212131455667788991010111112
1213131415667788991010111112121313141415167788991010111112121313141415
1516178899101011111212131314141515161617189910101111121213131414151516
1617171810101112123134145156167178189191021122223324425526627728829921
0103213323433543653763873983109311104314424534644754864974108411941210
5415525635745855965107511851295131065166267368469561066117612861396141
0761772783794710571163579111315171011223344556677889910112233445566778
8991010111233445566778899101011111213445566778899101011111212131455667
7889910101111121213131415667788991010111112121313141415167788991010111
1121213131414151516178899101011111212131314141515161617189910101111121
2131314141515161617171810101112123134145156167178189191021122223324425
5266277288299210103213323433543653763873983109311104314424534644754864
9741084119412105415525635745855965107511851295131065166267368469561066
1176128613961410761772783794710571167127713871497151087188289381048115
8126813781488159816109819929103911491259136914791589169917101091101021
0113101241013510146101571016810179101811202213224235246257267357911131
5171011223344556677889910112233445566778899101011123344556677889910101
1111213445566778899101011111212131455667788991010111112121313141566778
8991010111112121313141415167788991010111112635791113151710112233445566
7788991011223344556677889910101112334455667788991010111112134455667788
9910101111121213145566778899101011111212131314156677889910101111121213
1314141516778899101011111212131314141515161678899101011111212131314141 5
1516161718991010111112121313141415151616171718101011121231341451561671
7818919102112222332442552662772882992101032133234335436537638739831093
1110357911131517101122334455667788991011223344556677889910101112334455

6677889910101111121344556677889910101111121213145566778899101011111212
1313141566778899101011111212131314141516778899101011111212131314141515
1617889910101111121213131414151516161718991010111112121313141415151616
1717181010111212313414515616717818919103579111315171011223344556677889
9101122334455667788991010111233445566778899101011111213445566778899101
0111112121314556677889910101111121213131415667788991010111112121313141
4151677889910101111121213131414151516178899101011111212131314141515161
6171899101011111212131314141515161617171810101112123134145156167178189
1910211222233244255266277288299210103213323433543579111315171011223344
5566778899101122334455667788991010111233445566778899101011111213445566
7788991010111112121314556677889910101111121213131415667788991010111112
1213131414151677889910101111121213131414151516178899101011111212131314
1415151616171899101011111212131314141515161617171810101112123134145156
1671781891910211222357911131517101122334455667788991011223344556677889
9101011123344556677889910101111121344556674357911131517101122334455667
7889910112233445566778899101011123344556677889910101111121344556677889
9101011111212131455667335791113151710112233445566778899101122334455667
7889910101112334455667788991010111121344556677889910101111121213145 56
6778899101011111212131314156677889910101111121213131414151677889910101
1111212131314141515161788991010111121213131414151516161718991010111 1
2121313141415151616171718103579111315171011223344556677889910112233445
5667788991010111233445566778899101011111213445566778899101011111212131
4556677889910101111121213131415667788991010111112121313141415167788991
0101111121213131414151516178899101011111212131314141515161617189910101
1111212131314141515161617171810101112123134145156167178189191021122223
3244255266277288299210103213323433543653763873983109357911131517101122
3344556677889910112233445566778899101011123344556677889910101111121344
5566778899101011111212131455667788991010111112121313141566778899101011
1112121313141415167788991010111112121313141415151617889910101111121213
1314141515161617189910101111121213131414151516161717181010111212313414
5156167178189191021122235791113151710112233445566778899101122334455667
7889910101112334455667788991010111112134455667788991010111112121314556
6778899101011111212131314156677889910101111121213131414151677889910101
1111212131314141515161788991010111112121313141415151616171899101011111
2121313141415151616171718101011121231341451561671781891910211357911131
5171011223344556677889910112233445566778899101011123344556677889910101
1111213445566778899101011111212131455667788991010111112121313141566778
8991010111112121313141415167788991010111112121313141415151617889910101
1111212131314141515161617189910101111121213131414151516161793579111315
1710112233445566778899101122334455667788991010111233445566778899101011

1112134455667788991010111112121314556677889910101111121213131415667788
9910101111121213131414151677889910101111121213131414151516178899101011
1112121313141415151616171899101011111212131314141515161617171810101112
1231341451561671781891910211222233244255266277288299210103213323433543
6537638739831093111043144245346447548635791113151710112233445566778899
1011223344556677889910101112334455667788991010111112134455667788991010
1111112121314556677889910101111121213131415667788991010111112121313141 4
1516778899101011111212131314141515161788991010111112121313141415151616
1718991010111112121313141415151616171718101011121231341451561671781891
9102112222333579111315171011223344556677889910112233445566778899101011
1233445566778899101011111213445566778899101011111212131455667788991010
1111112121313141566778899101011111212131314141516778899101011111212131 3
1414159357911131517101122334455667788991011223344556677889910101112334
4556677889910101111121344556677889910101111121213145566778899101011111
2121313141566778899101011111212131314141516778899101011111212131314141
5151617889910101111121213131414151516161718991010111112121313141415151
6161717181010111212313414515616717818919102112222332442552662772882993
5791113151710112233445566778899101122334455667788991010111233445566778
8991010111112134455667788991010111112121314556677889910101111121213131
4156677889910535791113151710112233445566778899101122334455667788991010
1112334455667788991010111112134455667788991010111112121314556677889910
1011111212131314156677889910101111121213131414151677889910101111121213
1314835791113151710112233445566778899101122334455667788991010111233445
5667788991010111112134455667788991010111112121314556677889910101111121
2131314156677889910101111121213131414151677889910101111121213131414151
5161678899101011111212131314141515161617189910101111121213131414151516 1
6171718101011121231341451561671781891910211222233244255266277288299210
1032133234335436537638739831093111043144245346447548649741084119412105
4155256357458559651075118512951310651662673684695610661176128613961410
7617727837947105711671277138714971510871882893810481158126813781488159
8161098199291039114912591369147915891699171010911010210113101241013510
1461015710168101791018112022132242352462572682792810291131232333434535
6367378389391031011422433444455466477488498357911131517101122334455667
7889910112233445566778899101011123344556677889910101111121344556677889
9101011111212131455667788991010111112121313141566778899101011111212131
3141415167788991010111112121313141415151617889910101111121213131414151
5161617189910101111124357911131517101122334455667788991011223344556677
8899101011123344556677889910101111121344556677889910101111121213145566
7788991010111112121313141566778899101011111212131314141516778899101011
1112121313141415151617889910101111121213131414151516935791113151710112

2334455667788991011223344556677889910101112334455667788991010111112134
4556677889910101111121213145566778899101011111212131314156677889910101
1111212131314141510357911131517101122334455667788991011223344556677889
9101011123344556677889910101111121344556677889910101111121213145566778
8991010111112121313141561357911131517101122334455667788991011223344556
6778899101011123344556675357911131517101122334455667788991011223344556
6778899101011123135791113151710112233445566778899101122334455667788991
0101112334455667788991010111112134455667788991010111112121314556677889
9101011111212131314156677889910101111121213131414151677889910435791113
1517101122334455667788991011223344556677889910101112334455667788991010
1111121344556677889910101111121213145566778895357911131517101122334455
6677889910112233445566778899101011123344556677889910101111121344556677
8896357911131517101122334455667788991011223344556677889910101112334455
6677889910101111121344556677889910101111121213145566778899101011111212
1313141566778899101011111212131314141516778899101011111212131314141515
1617889910101143579111315171011223344556677889910112233445566778899101
0111233445566778899101011111213445566778899101011111212131455667788991
0101111121213131415667788991010111112121313141415167788991010111112121
3131414151516178899101011111212131314141515161617189910101111121213131
4141515161617171810101112123134145156167178189191021122223324425526627
7288299210103213323433543653763873983109311104314424534644754864974108
4119412105415525635745855965107511851295131065166267368469561066117612
8613961410761772783794710571167127713871497151087188289381048115812681
3781488159816109819929103357911131517101122334455667788991011223344556
6778899101011123344556677889910101111121344556677889910101111121213145
5667788991010111112121313141566778899101011111212131314141516778899101
0111112121313141415151617889910101111121213131414151516935791113151710
1122334455667788991011223344556677889910101112334455667788991010111112
1344556677889910101111121213145566778899101011111212131314156677889910
1011111212131314141516778899101011111263579111315171011223344556677889
9101122334455667788991010111233445566778899101011111213445566778899101
0111112121314556677889910101111121213131415667788991010111112121313141
4151677889910101111121213131414151516178899101011111212136357911131517
1011223344556677889910112233445566778899101011123344556677889910101111
1213445566778899101011111212131455667788953579111315171011223344556677
8899101122334455667788991010111233445566778899101011111213445566778899
1010111112121314556677843579111315171011223344556677889910112233445566
7788991010111233445566778899101011111213445566778899101011111212131455
6677889910101111121213131415667788991010111112121313141415167788991010
1111121213131414151516178899101011111212131314141515161617103579111315

171011223344556677889910112233445566778899101011123344556677889910101
111213445566778899101011111212131455667788991010111112121313141035791
131517101122334455667788991011223344556677889910101112334455667788991
083579111315171011223344556677889910112233445566778899101011123344556
786357911131517101122334455667788991011223344556677889910101112334455
677889910101193579111315171011223344556677889910112233445566778899101
111035791113151710112233445566778899357911131517101122334455667788991
112233445566778899101011123344556677889910101111121344556677889635791
131517101122334455667788991011223344556677889910101112334455667788991
101111112134455667788991010111112121314556677889910101111121213131415
61357911131517101122334455667788991011223344556677889910101112334455
667788991010111112134455667788991010111112121310357911131517101122334
455667788991011223344556677889910101112334455667788991010111112134455
667788991010111112121314556677889910101111121213131415667783357911131
5171011223344556677889910112233445566778899101011123344556677889910
1011111213445566778899101011111212131355667788991063579111315171011
2233445566778899101011223344556677889910101112334455667788991010111
1213445566778899101011111212131455667788991063579111315171011223344
5566778899101011223344556677889910101112334455667788991010111112134
4556677889910101111212131455667788991010111112121313141566778899101
0111111212131455667788991010111112121313141566778899101011111212131
3141415167788991010111112121313141415935791113151710112233445566778
8991011223344556677889910101112334455667788991010111112134455667788
9910101111112121314556677889910101111121213131415667788991010111112
1213131415167788991010111112121313141415935791113151710112233445566
7788991011223344556677889910101112334455667788991010111112134455667
7889910101111212131455667788991010111112121313141566778335791113151
7101122334455667788991010111233445566778899101011111213445566778899
1010

1111121213145135791113151710112233445566778899101122334455667788991010
1112334455667788991010111112134135791113151710112233445566778899101122
3344556677889910101112334455667788991010111112134455667788991073579111
3151710112233445566778899101122334455667788991010111233445566778899101
0111112134455633579111315171011223344556677889910112233445566778899101
0111035791113151710112233445566778899101035791113151710112233445566778
8991011223344556677889910101112334455667788973579111315171011223344556
6778899101122334455667635791113151710112233445566778899101122334335791
1131517101122334455667788357911131517101122334455667788991010357911131
5171011223344556677889910112233445566778735791113151710112233445566778
8991011223344556677889910101112313579111315171011223344556677889910112
1357911131517101122334455663579111315171011223344556677889910112232357
9111315171011223579111315935791113159357911131517101122334455667788991
0103579635791113159357911131593579111315171011223579111315171011223579
1113159354357911131517103579635753579111383543579117354357963575357963
57911”

5.6.2 Fibonacci Codes as Facts only

Under this chapter I will present further facts on the Fibonacci coding pattern. They look appealing but I preferred to present those codes currently just as **facts** but not as evidences as their potential rules are not fully clear to me yet.

5.6.2.1 Fibonacci Code on Chapters

If we apply the same Fibonacci coding pattern to the chapter indexes of the 6348 verses of the verse level data, then we again observe a resulting big number as multiple of 19 as I show below:

```
# Chapter indexes of each of 6348 verses
tmp <- paste0(unQuran$chapter, collapse = "")

#Now we input this 11430 digits length big number to the codeFibSeq
function
tmp <-codeFibSeq(tmp) # The Fibonacci coding pattern is applied
nchar(tmp) # Length of this resulting number

## [1] 15676

as.bigz(tmp) %% 19 # As we see, this 15676 digits length number is
multiple of 19
```

```
## Big Integer ('bigz') :
## [1] 0
```

5.6.2.2 Fibonacci Code on Words

If we apply the same Fibonacci coding pattern to words numbers of the 6236 verses of the verse level data, then we again observe a resulting big number as multiple of 19 as I prove below:

```
# Number of Words in each of 6236 verses
tmp <- paste0(nQuran$vwords, collapse = "")

#Now we input this 9580 digits length big number to the codeFibSeq
function
tmp <-codeFibSeq(tmp) # The Fibonacci coding pattern is applied
nchar(tmp) # Length of this resulting number

## [1] 11902

as.bigz(tmp) %% 19 # As we see, this 11902 digits length number is
multiple of 19

## Big Integer ('bigz') :
## [1] 0
```

5.7 Overall probability of all the evidences so far

Below I will calculate the probability of all the evidences so far in this book using the global counters I have been counting.

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", global_success_nums,
            "success out of", global_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 40 success out of 93 (with p=1/19) is:
1.44e-26"
```

Again, if some cautious people think that we should have used more tests, although we tried **all** of them regarding the rules, I will not even look at the possible further successes in that

case and keep the success number same but double the number of trials and see what would then be the overall probability so far. This should calm down those skeptical people.

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums*2,
                 p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
cat(paste("The probability of all the ", global_success_nums,
          "success out of all the", global_tested_nums*2,
          " tests (with p=1/19) is:", tmp))

## The probability of all the  40 success out of all the 186  tests
(with p=1/19) is: 2.63e-14
```

If still not convinced, for extremely cautious people, let's also increase the trials by 4 fold and keep the successes the same as below!

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums*4,
                 p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
cat(paste("The probability of all the ", global_success_nums,
          "success out of all the", global_tested_nums*4,
          " tests (with p=1/19) is:", tmp))

## The probability of all the  40 success out of all the 372  tests
(with p=1/19) is: 1.87e-05
```

5.8 Ha-Mim evidences

Under this main chapter, I will present codes around some of the *Disjointed letters* or also know as *mysterious letters* or, as in Arabic, *Huroof-al-Muqattaat*. In particular, I will present various codes of the Ha-Mim and also Ayn-Sin-Gaf *Disjointed letters*. I will also provide the rules that define how we construct **all** the possible codes regarding the rules. Since the codes I will present can be defined under meaningful rules, they suggest a 19 based system design of the Ha-Mim letters (م,ح) and also Ayn-Sin-Gaf (عسق) letters over the full text of Quran. I also discovered all the Ha-Mim and Ayn-Sin-Gaf codes that are based on over the full text of Quran and, to the best of my knowledge, only some local codes, namely the codes over several local chapters only, were known before. I will calculate the probability of observing all those codes that suggest a system, which might show that the observed

system is statistical unlikely to occur by chance alone and thus it suggests that it might have been designed by the author of the text, God. However, as a general reminder, since my decision is based statistical calculations, we can never be sure and cannot use definitive conclusions. We observe what we see and decide with a scientific methodology by calculating the probability of the observations with the best of our ability. This is true for all scientific problems that requires statistical calculations for the best decision. So, God knows best and my conclusions are based with the best of my ability regarding what I observe and measure statistically.

Since there is no alternative writing versions of these letters (Ha-Mim and Ayn-Sin-Gaf), all the standard manuscripts (mushafs) of the Hafs recitation **must** have the same number of Ha-Mim and also Ayn-Sin-Gaf letters. Therefore, the evidences presented about Ha-Mim and Ayn-Sin-Gaf letters are considered universal as they are valid for all the common Hafs manuscripts.

Let's first get the numbers of *disjointed letters* over all the text of Quran, considering both text category, all the 6348 verses and also for only 6236 numbered verses.

```
require(stringr)
tmp <- unlist(str_split(Words,""))
length(unique(tmp) )

## [1] 36

unique(tmp)

##  [1] ""ت" "إ" "و" "ك" "ع" "د" "ي" "ن" "ح" "ر" "ه" "ل" "ا" "م" "س" "ب"
"ق" "ط" "ص"
"ج" "ظ" "ش" "ء" "ئ" "خ" "آ" "ز" "ة" "ؤ" "ى" "ف" "ض" "غ" "أ" "ذ" [20] ##
ث""

LettersEachun<- table(tmp)
#
tmp <- unlist(str_split(words,""))
length(unique(tmp) )

## [1] 36

unique(tmp)

##  [1] ""ت" "إ" "و" "ك" "ع" "د" "ي" "ن" "ح" "ر" "ه" "ل" "ا" "م" "س" "ب"
"ق" "ط" "ص"
"ج" "ظ" "ش" "ء" "ئ" "خ" "آ" "ز" "ة" "ؤ" "ى" "ف" "ض" "غ" "أ" "ذ" [20] ##
ث""
```

```r
y<- table(tmp)
lettersEachn <- y

##
x<- unQuran #for 6348 verses first
HrfMat <- matrix(0, nrow(x), 36)
colnames(HrfMat) <- names(y)
tmpmat <- HrfMat
for(j in 1:length(y)){
  tmph <- names(y)[j]
  tmph
  for(i in 1:nrow(tmpmat)){
    tmp <- unlist(str_split(x$text[i],""))
    tmpmat[i,j] <- length(which(tmp == tmph) )
  } }
hrfMat6348 <- tmpmat # verse level numbers of each letters
tmp <- rowsum(tmpmat, x$chapter, reorder = F)
#chapter level numbers of each letters in 6348 verses
HrfMatun <- tmp

###
x<- nQuran #for 6236 numbered verses
HrfMat <- matrix(0, nrow(x), 36)
colnames(HrfMat) <- names(y)
tmpmat <- HrfMat
for(j in 1:length(y)){
  tmph <- names(y)[j]
  tmph
  for(i in 1:nrow(tmpmat)){
    tmp <- unlist(str_split(x$text[i],""))
    tmpmat[i,j] <- length(which(tmp == tmph) )
  } #ends i
} #ends j
hrfMat6236 <- tmpmat # verse level numbers of each letters
tmp <- rowsum(tmpmat, x$chapter, reorder = F)
#chapter level numbers of each letters in 6236 numbered verses
hrfMatn <- tmp
```

The counts of each letters:

```r
print("Table of the counts of all the letters in all the 6348 verses")
```

```
## [1] "Table of the counts of all the letters in all the 6348 verses"

LettersEachun

## tmp
##     ح  ج  ث  ت  ة  ب  ا  ئ  إ  ؤ  أ  آ  ء
1414  10520 2344  11603 43878 1182  5108  673   9119  1511  1578  ##
4364  3317
غ  ع  ظ  ط  ض  ص  ش  س  ز  ر  ذ  د  خ     ##
853   1273  1686  2072  2124  6124  1599  12627 4932  5991  2497  ##
1221  9405
ي  ى  و  ه  ن  م  ل  ك  ق  ف     ##
22085 2592  24813 14962 27382 27071 38639 10497 7034  8747  ##

#
print("Table of the counts of all the letters in the 6236 numbered
verses")

## [1] "Table of the counts of all the letters in the 6236 numbered
verses"

lettersEachn

## tmp
##     ح  ج  ث  ت  ة  ب  ا  ئ  إ  ؤ  أ  آ  ء
1414  10520 2344  11491 43542 1182  5108  673   9119  1511  1578  ##
4140  3317
غ  ع  ظ  ط  ض  ص  ش  س  ز  ر  ذ  د  خ     ##
853   1273  1686  2072  2124  6012  1599  12403 4932  5991  2497  ##
1221  9405
ي  ى  و  ه  ن  م  ل  ك  ق  ف     ##
21973 2592  24813 14850 27270 26735 38191 10497 7034  8747  ##
```

5.8.1 Sum of Ha-Mim letters in the full text of Quran

As already known, the total number of Ha-Mim letters is multiple of 19 in the chapters 40,41,42,43,44,45,46, where the chapters has the first isolated verse that only contains the Ha-Mim disjointed letters. This fact holds when we consider all the verses in those local 7 chapters just mentioned. This counting includes unnumbered Basmala verses too. This code has been a known fact for a long time and as far as I am aware of, Rashad Khalifa is cited as the first who found this fact. Although he is the “inventor” of an older 19 based claims about Quran, which is false as he manipulated the text, he also appears to have found a few interesting codes as this one, which is not in the full text of Quran but just in those 7

chapters for this code and thus this particular one does not include any manipulation of the text and might be taken serious. I said “inventor” because he manipulated the Quran text to match the text to his made up code claims and thus invented, namely made up. Mainly, he removed the last two verses of chapter 9 and made some letters changes in the text to match his made up false code claims. Scientifically, it is non-sense but this particular *local* Ha-Mim code, finding the sum of Ha-Mim letters in those 7 special chapters as multiple of 19, is based on the normal unchanged text as it is not within the parts he shamelessly manipulated. Therefore I have to cite it though I would prefer not to because of his manipulations in his main claim. Also, I am normally not much interested in codes that is not derived from the full text of Quran. However, these kinds of small or local codes might be considered as a sign or clue and can direct us to look at similar codings in the full text of Quran. Another somewhat interesting fact with this small code is that the quotient of the total divided by 19 is equal to 113, which is the digit sum of each of the components that makes the total sum. These facts at least takes our attention to the Ha-Mim letters. In this book, I am mostly interested only in the codes that is derived from the full text of Quran and thus support the system over the full text of Quran and consequently its overall preservation from different aspect of the text. I am not that interested in codes that can be observed in parts of the text. However, these kinds of codes might be treated as potential signs or clues and we can look at similar coding patterns over the full text of Quran based on these clues. I followed this approach and discovered that the total number of Ha-Mim letters in the full text of Quran is **30875** and it is also multiple of 19 when we consider the numbered 6236 verses. As per the universal rule of this book, I *always* test all the codes in both text types, namely all the 6348 verses and also in 6236 numbered verses. I will provide the proof below but let me first prove the known fact, which is the sum of Ha-Mim letters in the 7 chapters (40 to 46), is really multiple of 19 and correct. Here is the proof for that:

```
require(stringr)
tmp <- unlist(str_split(unQuran$text[4172], "")[1]) #Ha mim
tmp

## [1] "م" "ح"

ix <- c(40:46)
ix

## [1] 40 41 42 43 44 45 46

i1<-match(tmp,colnames(HrfMatun))
i1

## [1] 13 31
```

```
#Keep only chapter level numbers of Ha-Mim in all the 6348 verses
#  of chapters 40 to 46
x <- HrfMatun[ix,i1]
tmp <- sum(x)
cat("The total number of Ha-Mim letters in chapters 40 to 46 is ",
tmp)

## The total number of Ha-Mim letters in chapters 40 to 46 is  2147

tmp %% 19 # it is multiple of 19

## [1] 0
```

Moreover, the digit sum of the each components of the sum is 113. It also the quotient resulted from the division of the sum by 19.

I considered this as a clue and hypothesized that the sum of Ha-Mim letters might also be multiple of 19 in the full text of Quran. I then tested and witnessed that the hypothesis was validated considering the full text of Quran over the 6236 numbered verses. Since, as a general rule, I test all codes in this book always in both text types (6348 and 6236), by the rule, I was able to discover this evidence because the local clue was observed considering the unnumbered verses, namely 6348 verses text type.

Below is the proof that the total number of Ha-Mim letters in the full text of Quran, regarding 6236 numbered verses, is multiple of 19.

```
x<-lettersEachn[i1]
x[1]

##    ح
4140 ##

x[2]

##     م
26735 ##

tmp <- sum(x)
cat("The total number of Ha-Mim letters in the numbered 6236 verses ",
tmp)

## The total number of Ha-Mim letters in the numbered 6236 verses
30875
```

```
# Test if mod 19 is zero:
tmp %% 19

## [1] 0
```

5.8.2 Ha-Mim-Ayn-Sin-Gaf Evidence and facts

In Evidence 5.8.1, we witnessed that the sum of Ha and Mim letters in the full text of Quran is multiple of 19. We consider it as evidence because, first, the sum is the most basic and logical code to test, second, we initially observed this sum coding pattern locally on the chapters 40,41,42,43,44,45,46, where the chapters has the first isolated verse that only contains the Ha-Mim letters. So, basically I assumed that the code we observe is left as clue and used the same coding pattern as the rule and discovered the code over the full text of Quran and thus considered it as an evidence. However, there is one more interesting verse with other disjoint letters among those local chapters of Ha-Mim. In chapter 42, the first independent verse is Ha-Mim and the second independent verse is Ayn-Sin-Gaf (عسق). Therefore, I have also tested the same sum coding pattern, with all these 5 disjoint letters together. I took the sum of all Ha-Mim and added the sum of Ayn-Sin-Gaf in the chapter 42 and observed that the grand total is also multiple of 19 in those 7 chapters. As a side note, since the Ha-Mim sum was already multiple of 19 in those 7 chapters, therefore the sum of Ayn-Sin-Gaf in the chapter 42 must also be multiple of 19 so that the grand total of the combination of Ha-Mim and Ayn-Sin-Gaf becomes multiple of 19 too. This is what I observed, namely, the sum of Ayn-Sin-Gaf in the chapter 42 is also multiple of 19. However, since these 5 disjoint letters comes in combination we are interested in the sum of the combination but not Ayn-Sin-Gaf alone. Similar to the previous evidence of Ha-Mim, when I use the locally observed code as a clue and test the same coding pattern over the full text of Quran, then I discovered the evidence I present in this chapter. Namely, the sum of Ha-Mim and Ayn-Sin-Gaf disjoint letters over the full text of Quran is also multiple of 19 just like we observed it locally in their chapters.

As per the universal rule of this book, I test all the codes in both text types, namely all the 6348 verses and also in 6236 numbered verses only. I will provide the proof below but let me first prove the known fact that the sum of Ha-Mim letters in the 7 chapters (40 to 46) and Ayn-Sin-Gaf in the chapter 42 is multiple of 19 and correct. Here is the proof for the local code:

```
require(stringr)
tmp <- unlist(str_split(unQuran$text[4172], "")[1]) #Ha mim
tmp

## [1] "م" "ح"
```

```r
ix <- c(40:46)
ix

## [1] 40 41 42 43 44 45 46

i1<-match(tmp,colnames(HrfMatun))
i1

## [1] 13 31

#Keep only chapter level numbers of Ha-Mim in all the 6348 verses
#  of chapters 40 to 46
x <- HrfMatun[ix,i1]
tmp <- sum(x)
cat("The total number of Ha-Mim letters in chapters 40 to 46 is ",
tmp)

## The total number of Ha-Mim letters in chapters 40 to 46 is  2147

tmp %% 19 # it is multiple of 19

## [1] 0
```

Now,let's see the sum of Ayn-Sin-Gaf in the chapter 42, which is multiple of 19 too.

```r
require(stringr)
tmp <- unlist(str_split(unQuran$text[4314], "")[1]) #Ayn-Sin-Gaf
tmp

## [1] "ق" "س" "ع"

i42 <- c(42)
ig<-match(tmp,colnames(HrfMatun))
ig

## [1] 25 19 28

#Keep only chapter level numbers of Ha-Mim in all the 6348 verses of
chapters 40 to 46
x <- HrfMatun[i42,ig]
tmp <- sum(x)
cat("The total number of Ayn-Sin-Gaf letters in chapter 42 ", tmp)

## The total number of Ayn-Sin-Gaf letters in chapter 42  209
```

```r
# Test if mod 19 is zero
tmp %% 19

## [1] 0
```

Now, we observed **locally** that the sum of those 5 disjoint letters are multiple of 19 in their associated local chapters considering 6348 verses text category We then test this code in the full text of Quran. Because, I considered this as a clue and hypothesized that the sum of Ha-Mim and also Ayn-Sin-Gaf together might also be multiple of 19 in the full text of Quran too. When tested, it is validated considering the full text of Quran of the all the 6348 verses.

Below is the proof that the total number of Ha-Mim-Ayn-Sin-Gaf letters in the full text of Quran, regarding all the 6348 verses, is multiple of 19 as shown below:

```r
which(names(LettersEachun) == "ح")

## [1] 13

#13
which(names(LettersEachun) == "م")

## [1] 31

#39
which(names(LettersEachun) == "ع")

## [1] 25

#25
which(names(LettersEachun) == "س")

## [1] 19

#19
which(names(LettersEachun) == "ق")

## [1] 28

#28

ih <- c(13,31,25,19,28) #The indexes of Ha-Mim-Ayn-Sin-Gaf letters in
the LettersEachun object.

#Considering 6348 verses the sum is multiple of 19
```

```
tmp  <- LettersEachun[ih]
tmp[1]  #Ha

##    ح
4364 ##

tmp[2]  #Mim

##     م
27071 ##

tmp[3]  #Ayn

##    ع
9405 ##

tmp[4]  #Sin

##    س
6124 ##

tmp[5]  #Gaf

##    ق
7034 ##

tmp <- sum(LettersEachun[ih]) # Should be 53998
cat("The total number of Ha-Mim-Ayn-Sin-Gaf letters in all the 6348
verses is ", tmp)

## The total number of Ha-Mim-Ayn-Sin-Gaf letters in all the 6348
verses is  53998

# Test mod 19
tmp %% 19

## [1] 0

#Proof of an additional Fact:
# Considering 6236 verses, the digit sum of the sum is exactly 19
lettersEachn[ih]

## tmp
##     ق   س   ع   م   ح
7034  6012  9405  26735 4140  ##
```

```
tmp <- sum(lettersEachn[ih])
digitsum(tmp) %% 19  # Should be 53326

## [1] 0
```

As we observed, the total number of Ha-Mim-Ayn-Sin-Gaf letters in the full text of Quran in all the 6348 verses is **53998**, which is multiple of 19 as 19x2842. I consider this as evidence since we observed the same key coding pattern locally first and also observed it in the full text of Quran based on that.

Fact 1: Digit sum of the sum in 6236 verses. When we look at the total number of Ha-Mim-Ayn-Sin-Gaf letters in the numbered 6236 verses, it is 53326. As a supporting **fact**, but not as evidence, the digit sum of it is exactly 19 in this case.

Fact 2, Concatenation in 6348 verses:

When we concatenate each of the individual total numbers of Ha-Mim-Ayn-Sin-Gaf letters in all the 6348 verses with their natural orders as appears in the Chapter 42 Verse 1 as Ha-Mim and Chapter 42 Verse 2 as Ayn-Sin-Gaf, then the resulting number is 436427071940561247034 and it is also multiple of 19 as shown below:

```
ih <- c(13,31,25,19,28) #The  indexes of Ha-Mim-Ayn-Sin-Gaf letters.
#Considering 6348 verses the concatenation is multiple of 19

tmp  <- LettersEachun[ih]
tmp[1]  #Ha

##    ح
4364 ##

tmp[2]  #Mim

##     م
27071 ##

tmp[3]  #Ayn

##    ع
9405 ##

tmp[4]  #Sin

##    س
6124 ##
```

```
tmp[5]  #Gaf

##    ق
7034 ##

tmp <- paste0(tmp, collapse = '')
#The  concatenated number:
tmp

## [1] "436427071940561247034"

#Mod 19 test
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

5.8.3 Rules and Probability of the codes with chapter level Ha-Mim counts

I only presented the two codes as evidences (Code 5.8.1, Code 5.8.2,) and considered them as part of the general 19 based system that I present in this book. The rule to get the coding pattern of these two codes are simple and straight forward. We observe the most simple coding pattern, which is the sum of all the numbers, in the local chapters of the two disjoint letters categories as we observe in Quran, which are Ha-Mim and Ha-Mim-Ayn-Sin-Gaf together. Therefore we hypothesized that they might be left as clues and we tested the same coding patterns over the full text of Quran and observed them in the full text of Quran as well. Since the numbers, are small we can compute the probability directly as below.

For Ha-Mim, we have 2 trials and 1 success with p=1/19. Therefore the probability of observing this is 2/19. Similarly, For Ha-Mim-Ayn-Sin-Gaf together, we have 2 trials and 1 success and thus the probability of observing this is 2/19. Observing these two event together is 2/19 x 2/19 = 0.011, which is around 1.1%, or roughly 1 in 91.

Let's now add the 4 trials and of 2 success of the above two evidences into the global counters.

```
global_tested_nums <- global_tested_nums + 4
global_success_nums <- global_success_nums + 2
```

I designated the rest of the interesting related codes just as facts and will not compute the probabilities of them as they are not part of the main system I present in this book. There might be an interesting rule based system that these codes might be part of but I might not have been able to discover yet. Therefore, I am presenting them here in case they might help to other researchers. On the other hand, they are still very interesting as facts here too.

5.8.4 Facts on disjointed letters

I will present some potentially interesting codes as *facts* about Ha-Mim letters under this main chaapter.

5.8.4.1 Fact: Digit sum of chapter level numbers

We have observed in Evidence 5.8.1 that the total number of Ha-Mim letters of the full text of Quran is multiple of 19. In this code, we will witness that the digit sum of the chapter level numbers that makes up the total sum is also multiple of 19. Basically we count the number of each Ha and Mim letters in each chapter of the 114 chapters considering again the text type with 6236 numbered verses. The sum of those counts make the grand total of 30875 and it was multiple of 19 as we already know Evidence 5.8.1. In this code, we will see that the digit sum of all the digits of the chapter level data that makes this big number is also multiple of 19 as shown below:

```
x<-hrfMatn[,i1]
tmp <- digitsum(x)
cat("The digit sum of the number of Ha-Mim letters in all chapters ",
tmp)

## The digit sum of the number of Ha-Mim letters in all chapters  1805

tmp %% 19 # it is multiple of 19

## [1] 0

tmp/(19*19)

## [1] 5
```

Moreover the digits sum is not only multiple of 19 but is multiple of 19x19, which is 19x19x5=1805. Basically, the digit sum of all the numbers in the following table is multiple of 19, not only once but twice. In order to simplify the coding pattern, I formulate it below as follows:

DS([HM] [HM]…[HM])

Here, DS refers to digit sum operation that is applied to all the numbers in the brackets. *H* represents the number of *Ha* letters and *M* represents the number of *Mim* letters in a chapter. Each squared bracket represents the number of one chapter and they are concatenated to the adjacent numbers in the squared brackets. Although order is not important for an overall digit sum operation, they are in the natural order per the universal rule: “Natural numbers concatenated in the natural order”. Here, the most left number is for

chapter 1 of Quran and the right most number is for the last chapter, chapter 114. The following is the proof of this code. Here are all the counts of Ha and Mim letters in Quran considering the 6236 numbered verses:

```
x<-data.table(x)
x <- cbind(c(1:114),x)
colnames(x) <- c("chapter", "Ha", "Mim")
datatable(x,
          caption = 'Table of the counts of Ha-Mim at each chapter of
6236 numbered verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel') ),
          rownames= FALSE)
```

5.8.4.2 Fact: Digit sum concatenations of chapter level numbers

We have observed in Code 5.8.1 that the total number of Ha-Mim letters of the full text of Quran is multiple of 19. Moreover, we observed in Code 5.8.4.1 that the digit sum of all the numbers that make the total of the previous code is also multiple of 19. In this code, we will observe that the digit sum concatenation of the same components of the chapter level numbers that makes up the total sum is also multiple of 19. Basically we count the number of each Ha and Mim letters in each chapter of the 114 chapters considering again the text type with 6236 numbered verses. We then concatenate the digit sum of these numbers among chapters in the natural order. The resulting 205 digits length number is multiple of 19. In order to simplify the coding pattern, I formulate it below as follows:

[DS(HM)][DS(HM)]...[DS(HM)]

Here, DS refers to digit sum operation that is applied to the numbers in the brackets. *H* represents the number of *Ha* letters and *M* represents the number of *Mim* letters in a chapter. Each squared bracket represents the resulting digit sum number of one chapter and they are concatenated to the adjacent numbers in the squared brackets in the natural order. It is in the natural order per the universal rule: "Natural numbers concatenated in the natural order". Here, the most left number is for chapter 1 of Quran and the right most number is for the last chapter, chapter 114. The following is the proof of this code:

```
x<-hrfMatn[,i1]
tmp<-c()
for(i in 1:nrow(x)) tmp <- c(tmp, paste0(x[i,], collapse = "") )
head(tmp)

## [1] "515"     "3282192" "1711246" "1961303" "1711039" "1601058"
```

```
tmp <- sapply(tmp, digitsum)
head(tmp)

##     515 3282192 1711246 1961303 1711039 1601058
##      11      27      22      23      22      21

tmp <- paste0(tmp, collapse = '')
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("The length of the big number is ", nchar(tmp) )

## The length of the big number is  205
```

Here is the 205 digits length big number:

"112722232221202131293822201217362519262831192123172725241315111325261
216211525252224121728131288151720171214181727187169151618191613191817 1
51299141410151217121517201110121218107346411164148649118101941067 3"

5.8.4.3 Fact: Concatenations of chapter level numbers

We have observed in Code 5.8.1, Code 5.8.4.1 and Code 5.8.4.2 that the total, digit sum and concatenation of digit sums of the numbers of Ha-Mim letters of the full text of Quran in each chapter is multiple of 19 considering 6236 numbered verses. In this code, we will witness that the concatenation of the number of Ha-Mim letters in each chapter is also multiple of 19 in the full text of Quran considering all the 6348 verses. This is the result of the universal rule of this book, where I test all the codes of this book, both, in all the 6348 verses text type and also in only 6236 numbered verses text type.

Basically we count the number of each Ha and Mim letters in each chapter of the 114 chapters considering the text type with all the 6348 verses. We then concatenate these numbers among chapters in the natural order. The resulting 490 digits length number is multiple of 19. In order to simplify the coding pattern, I formulate it below as follows:

[HM][HM)]...[HM]

Here, *H* represents the number of *Ha* letters and *M* represents the number of *Mim* letters in a chapter. Each squared bracket represents the number of one chapter and they are concatenated to the adjacent numbers in the squared brackets. It is in the natural order per the universal rule: "Natural numbers concatenated in the natural order". Here, the most left

number is for chapter 1 of Quran and the right most number is for the last chapter, chapter 114. The following is the proof of this code:

```
x<-HrfMatun[,i1]
tmp<-c()
for(i in 1:nrow(x)) tmp <- c(tmp, paste0(x[i,], collapse = "") )
head(tmp)

## [1] "515"     "3302195" "1731249" "1981306" "1731042" "1621061"

tmp <- paste0(tmp, collapse = '')
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("The length of the big number is ", nchar(tmp) )

## The length of the big number is  490
```

Here is the 490 digits length big number:

“515330219517312491981306173104216210611661164544581389641006548870210
349144260353064425791688904441074936529077379774005942463386854834624 6
614845439973460523444531732173131586842138290432534231258319542096338 1
643804827653300443241615031200362252522633205221352811819147191501811 2
231111511243178292183117225151221431578127486618932579188717112211232 2
921210158018747551274743147757714551451746103053086610301141322915629 9
351130519516413366142164127324147123194164551841231031233212545104748 2
6”

Here are all the counts of Ha and Mim letters in Quran considering all the 6348 verses:

```
x<-data.table(x)
x <- cbind(c(1:114),x)
colnames(x) <- c("chapter", "Ha", "Mim")
datatable(x,
          caption = 'Table of the counts of Ha-Mim at each chapter of
6348 verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel')),
          rownames= FALSE)
```

5.8.4.4 Fact: Digit sum of verse level numbers

We observed in Fact 5.8.4.1 that the digit sum the the chapter level numbers of Ha and Mim letters is multiple of 19 in the text type with 6236 numbered verses. In this code, we will see that the exact same coding pattern also exist with verse level numbers of Ha and Mim letters too in the text type with all the 6348 verses. Basically we count the number of each Ha and Mim letters in each verse of all the 6348 verses and when we calculate the digit sum of these numbers, the result is 25954, which is also multiple of 19. The digit length of Ha and Mim count numbers makes 13249 digits length number when concatenated.
In the below code, we will verify that this code is multiple of 19.

```
x<-hrfMat6348[,i1] #verse level Ha-Mim numbers assigned to x
tmp <- digitsum(x)
cat("The digit sum of the counts of Ha-Mim
    letters in all the 6348 verses is ", tmp)

## The digit sum of the counts of Ha-Mim
##     letters in all the 6348 verses is  25954

tmp %% 19 # it is multiple of 19

## [1] 0

tmp/19

## [1] 1366
```

Basically, the digit sum of all the numbers in the following table is multiple of 19. In order to simplify the coding pattern, I formulate it below as follows:

DS([HM][HM)]…[HM])

Here, DS refers to digit sum operation that is applied to all the numbers in the brackets. *H* represents the number of *Ha* letters and *M* represents the number of *Mim* letters in a verse Each squared bracket represents the resulting number of each verse and they are concatenated to the adjacent numbers in the squared brackets. Although order is not important for an overall digit sum operation, they are in the natural order per the universal rule: "Natural numbers concatenated in the natural order". Here, the most left number is for verse 1 of Quran and the right most number is for the last verse, verse 6348 or in a formal notation chapter 114 verse 6.

Here are all the counts of Ha and Mim letters in Quran considering the 6348 verses:

```r
x<-data.table(x)
x <- cbind(unQuran$chapter,unQuran$verse,x)
colnames(x) <- c("chapter","verse", "Ha", "Mim")
datatable(x,
          caption = 'Table of the counts of Ha-Mim
          at each verse of all the 6348 verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel')),
          rownames= FALSE)
```

Let's also see the length of this big number as follows:

```r
x<-hrfMat6348[,i1] #verse level Ha-Mim numbers assigned to x
tmp <- paste0(x[,1],x[,2])
tmp <- paste0(tmp, collapse = '')
cat("The length of this big number is", nchar(tmp))

## The length of this big number is 13249
```

Here is the 13249 digits length big number if the code (Note that the digit sum of it is multiple of 19 but not itself.):

"2312220200020423010105051406070804072303010170514180428010050100811213212052907370825017031518141811040723020300040504210130604021151506012350618216210071705041503010233061321611238040601107222321001022512110041111071150701705065100503010501153205031100608074110705251901205120308311814050307090130618291503064907153140102226115070911231201218140437415114010212050216270722050233412370211114150408053100130310215410123507270701501602322192512413111231132932362122309231311014201303041607072641821209175152301231041766211141713035981565216113321175163111911093914022903110172161150230319121230831707193143192112711014011010371151725090701138173162228061804056310141811041123011112030123115120306041205481701121418171415190706010351110721035101403170846024703130403111111305121152903370303112052612051419230205142121704050224042101301412012111190811802033130416040222051102525041502180307050715314180508141304013043904160416311012212390606030901117020616130012052218170302143112317061807170532030207323211230192919133110809060311308070150522390426170606240311011511233041802380110559020114040704216000615111122328172111308315081703054192292312262517372716043553062493317040119020609073103838060509140213418020211611205040205020429081527291811003260717310010030325021309081208010122121614050111312155216072912011943507115113240121201

1191782909110231113191101515172141808030202011051436061738141127635121
1003010206060903052123190402060318061500011227014081905113110626060175
5072303000401295152611205191102341151453641882343307071521011220516110
0908217213061130414090302142902141123212181412013071424063245928410280
1127425211350102829212051308030707061625213051180711127061113111811190
6130402080607110272421351632518071461111022451029120511251424150134213
1405063142418040717212011141603231508060614120130403140211103080214021
1280615170503170303052213371123170705032100704020505371401004280316142
1205312020525053911634341605181202251521225113604051206061423110092535
2102081513031152831802136231515117131302001802131501209091914042100602
0406115031101907282603062140211203061904182120103112101731118211217511
5141529121861627062813031110909161814030716230113060304020325050508060
3010204011112150111401414141205113240725142831003291111411307260723312
4801281419263728151811112344701180403161904050403132121301416113151130
2151334260506020511605370736051302150325160413050707040703240101001405
1111200414231212001002010906010718050703192607060406110180503110181100
4251214110161153314162511224318110142213609390120403172918130601006010
3160404092413130315170418084101502020806011100304010405042101302102314
0804171514342208160111602011329112022703030208360408050606040326071100
5260603130601521309091312150111613040419060206161411017231217141110102
2062511216120011719041411121441121021007040504010111091411218010290618
0111021221204142124715490211151111135122904360716130706030102415250436
0509171915081419113241527030801118119217212180611715050606012073711081
7070503181306463100601511014240929262162409130101836360715112462817161
7193902316141100701107061829112311270103122703120329370509011051606161
8160619612214313043211311202152142313055815040618010011060403170605020
5060504230714111824290401412011314060417100711608040100824431611162623
0110802131829032602031101702131228160205081408130414194323240219021806
2112101412131407081514316070201003032405130301111001004010120524052613
0101429141521306432514116160702010250203051518120411215180404282304140
6330026031305040715013915051120516152102131305180103904020406031301402
0602040205060110706070812110111312191505010523010133130131000222403121
1111016010408050411024231405040305011329061302243701315221132602043404
0314170304460225061135010307020015153827292921303160214040212080723044
1415001813211534040513002503120107001203383718130405050514171625231301
0041414160427020621512361503111313212170113161805063303042428212040151
5142718031313350904231404201706214041511901311104170610040618130111112
5360412051314010307110041603151100623031416060100808121204031112230103
0504040103142001030201132301120303040426310723140415110301021502010102
0304030203040401020406110102030203111303030302020302102613011000020104

1213020202110721021222033501032801030002020301020221023121512030442 25
1303070407043603030222030212161503191100801203241407010152918151603011
5011503150513060605110208050407121318140917010151607142406010191110604
2919140807113114020305030404021824060141708051649020203072416040311222
0503160508061539330318261503212616370515132336022301030729251503002504
1116141319051401052736141101161401151025231304120139060202115612132701
0220081412180315241606150313060901251616111290803100113021203150310160
2042611120402120104230408011170406151404050222010511012316231226010008
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0222021600011412120303010102021202111112020103211313031311101223231301
0170301090111521312113111113091111415273130705251317172142904231401319
1121416021312141631017081110404163833100061723244180302050701007413151
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0103141201040312080204031202020205040314130303231503000801020602030103
0502010202020301011402010106110108231311110000031313050412000516120302
1202110223031303110424230201010000011001020304110202030002030132323010
1000000010000020011030002020000000001010101100000020010001170100101000
0401110002020303010110020313011400000102230302120002020001030200020300
0110010001100001000100000100000200000200011004010111231303020002000214
0503031203010201010115031403101401111214011315230100000001000102010000
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0201021123010102010202000102000101000310000201110002011000120011001001
0210000001111626130523000020000201000100110100110111010000000000011001
0001030110100300040102120210120401010201031323000101000200010200000001
1202000101010101020103010101100000100004000301100402110100012301010000
2010000100100111001201000010010103130101020001040223010010000302000100
1101020111010203040423010002020203000202020103000214130200020201010002
1303030113030101121300012301100101102103200102000001100001010100030100

0202152301020110000104160219240000000101100100130121230102011102020100
0102010000010100032311000001100003000001000012110110001012231001011101
0302020000010001010201000100100202010001122300000000110102020100000001
0105020212012200010311111002010000230110010020012101000011020003020215
1213022311010000021101011101010001050023000001010210000210000200000100
0000011300002310000201000200000201122311000000010100002300000111011501
2223010101020400000000000000100020100000000230002011412231512010415041 3
1523000001111003030323101111000100001002110323000102020103000301021123
0112010202110103230000222302021111130100020323110201130223001100062300
0112010201022300100023000102020202231000212300030022122310010211230002
01012123000100010001”

5.8.4.5 Fact: Concatenation of sums with verse level indexes

So far, all the codes we observed are without any chapter or verse index information. In the following codes, which are only facts, I will also include chapter index for chapter level numbers and also chapter and verse indexes for the verse level numbers of Ha and Mim letters and follow the same coding rule that we used before. Basically, these are the facts out of all the possible meaningful coding patterns with those numbers along with the global rules of the book. Since the codes must be meaningful, for example, I will not make any sum operation between a concatenated number and a normal number. On the other hand, as usual, since they are not based on systematic rule based system, I designated them as facts only but not as evidences.

In the following code, basically, we concatenate the chapter and verse indexes and also the sum of Ha and Mim letters. We use the 6236 numbered verses and the resulting 30676 digits length big number is multiple of 19. In order to simplify the coding pattern, I formulate it below as follows:

[cv[H+M]][cv[H+M]]….[cv[H+M]]

Here, *H* represents the number of *Ha* letters and *M* represents the number of *Mim* letters in a verse. The letters c and v here represents the chapter and verse indexes, respectively. Each of the outer squared brackets represents the representation number of one verse and they are concatenated with the number in next outer squared brackets. Order of the numbers is by the global rule, which is the natural order. Here, the most left number is for verse 1 of Quran and the right most number is for the last verse, verse 6236 or in a formal notation chapter 114 verse 6. Each of the ‘+’ is to get the sum of Ha and Mim letters in a verse.

In the below code, we will verify that this code is multiple of 19.

```r
#verse level Ha-Mim sums assigned to x
x<- hrfMat6236[,i1]
#Get the verse level sum of Ha-Mim together
sx <- apply(x, 1, sum)
#concatenate them with indexes
tmp <- paste0(nQuran$chapter, nQuran$verse, sx)
head(tmp)

## [1] "115" "123" "134" "142" "150" "162"

tmp <- paste0(tmp, collapse = '')
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("The length of this big number is", nchar(tmp))

## The length of this big number is 30676
```

Here are all the counts of Ha and Mim letters in Quran considering the 6236 numbered verses, which we used in the current code:

```r
x<-data.table(x)
x <- cbind(nQuran$chapter,nQuran$verse,x)
colnames(x) <- c("chapter","verse", "Ha", "Mim")
datatable(x,
          caption = 'Table of the counts of Ha-Mim
          at each verse of the 6236 numbered verses',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel')),
          rownames= FALSE)
```

Here is the 30676 digits length big number of the code:

“115123134142150162174211221235245255266277288294210721152123213102148
215521652179218421910220102215222102238224222515226142275228112297230 1
023182327233172343235623692375238923922404241724252432244324502464247 5
248424912250425162524253225416255625662571225882596260926118262122637 2
648265526642676268326912702271627262734274182751327611277427862791128 0
728142825283122841028527286328711288428912290729116292729317294529562 9
615297529832991210052101112102372103521043210511210662107821087210915 2

1107211152112721131021141221155211632117321188211942120921215212252123
3212472125921261321276212892129112130621313213262133132134721356213617
2137102138421398214016214172142921431321441521451221469214752148421491
0215019215115215212153221543215552156221577215892159721604216152162221
6362164162165102166221671221685216962170421718217252173132174132175321
7612177172178142179321808218172182921837218415218516218622187252188102
1897219032191172192221933219414219552196412197921981421995220092201522
0242203112204522052220642207322084220972210722117221282213222214142215
9221682217202218522191222201322212122221222231322245222582226422273222
8142229232230112231182232142233242234822352122361422371022382223992240
1222415224222243112244322452224617224718224816224923225032251102252322
5324225482255202256722571022581722592222601322619226211226352264112265
1022661022671622688226972270922717227211227311227482275192276422771022
7862279922804228152282372283142284922851122861531132233334335136537163
8339331063114312331353141231583161317331853199320832153226323103247325
6326103278328123297330123318332133353343335833683371033823391134033414
3424343334412345123464347534833491635011351335210353335433551335653578
3583359536053611036253632364536553661436783684369537023716372437312374
4375143763377123781237910380838119382238333841638543867387438823894390
5391113927393739443956396239793983399731005310173102631031731049310553
1068310753108431094311013311143112123113431147311543116731171431181231
1914312012312163122631233312493125113126831272312863129731304313103132
3313353134431359313683137331382313953140143141531428314363144931457314
6831475314853149331502315173152263153133154323155103156113157103158431
5914316083161931626316333164143165831667316715316853169431701231714317
2831738317463175631766317733178113179163180133181631824318393184231851
1318611318753188143189231901319153192431937319443195183196031976319863
1991232003411042843134444584618478488493410541123412314135414341584167
4178418104199420742144228423354243042542426842744281429104302431643294
3374341343511436114376438543994405441244244432244424452446174471344854
4944502451545224534454114558456645794581145994601146134628463746484651
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2148314484348564867487748874891149021491204923949374941649514496649712
4983499141001041018410237410394104114105541062410744108104109114110641
1164112841131641149411584116341172411824119114120541215412294123641248
4125114126541271341281341298413034131114132341331413424135641366413794
1383413954140144141224142441432414464145341469414764148641490415014151
3415294153144154841551041565415714415824159641608416164162174163104164
7416554166341670416844169141701141712041728417313417454175104176115115
5219534154225531563757758759651035111151222513215141151595168517195181

5519652014521452255239524352525265527115282529553025315532145339534553
5353613537753855396540654127542145431054414545105461154795482954913550
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8311584958565863587858875892859095917592559317594115952659615597115983
5995510025101751025510365104651051351062551071751085510965110175111651
1295113451147511585116145117115118551197512036166286366466556621674684
6936105611261212613361486152616561726182619106206621662286235624362586
2636273628562946304631106322633563486357636563736381263976404641264256
4356441064556461064746481064936507651565214653565415655265656577658565
9126601766176627663766456659666366726687669667014671767226739674467556
7636776678667956805681116829683768486853686268786886689469036911669210
6932169421695969656976698669918610046101461022610306104961052610646107
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6121116122106123761241061258612636127661281661292613013613136132661331
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1461961476614811614936150961512261529615366154106155461563615712615896
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0129271293312943129511296712970129831299312100111210110121029121034121
0441210551210651210751210851210981211071211171314132101334134513551367
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8111881208813188141881528816188170881818819088201882128822288231882408
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1010320103341041210422104321044210454104611047010482104931051210522105
3110544105521061010622106301064610710107211073310741107521076110772108
1010821108301091010921109321094210952109621101111020110331111011123111
3011144111531121111221112321124211310113221133111341113531141011421114
30114411145011461”

5.8.4.6 Digit sum of the concatenation of sums with verse level indexes

In Code 5.8.4.5, we observed that the concatenation of the chapter and verse indexes and also the sum of Ha and Mim letters considering the 6236 numbered verses is multiple of 19. In the code of this section, we will see that the digit sum of the exact same coding pattern is also multiple of 19, considering the text type with all the 6348 verses. In this code, the big number that comes from the concatenation is 31020 and the digit sum of it is 118940 that is multiple of 19. In this code, basically, we concatenate the chapter and verse indexes and

also the sum of Ha and Mim letters and calculate the digit sum of this big number considering all the 6348 verses In order to simplify the coding pattern, I formulate it below as follows:

DS([cv[H+M]][cv[H+M]]....[cv[H+M]])

Here, *H* represents the number of *Ha* letters and *M* represents the number of *Mim* letters in a verse. The letters c and v here represents the chapter and verse indexes, respectively. Here, DS refers to digit sum operation that is applied to all the numbers in the bracket. Each of the outer squared brackets represents the representation number of one verse and they are concatenated with the number in next outer squared brackets. Order of numbers is by the global rule, which is the natural order. Here, the most left number is for verse 1 of Quran and the right most number is for the last verse, verse 6348 or in a formal notation chapter 114 verse 6. Each of the '+' is to get the sum of Ha and Mim letters in a verse.

In the below code, we will verify that this code is multiple of 19.

```
#verse level Ha-Mim sums assigned to x
x<- hrfMat6348[,i1]
#Get the verse level sum of Ha-Mim together
sx <- apply(x, 1, sum)
#concatenate them with indexes
tmp <- paste0(unQuran$chapter, unQuran$verse, sx)
head(tmp)

## [1] "115" "123" "134" "142" "150" "162"

tmp <- paste0(tmp, collapse = '')
digitsum(tmp) %% 19

## [1] 0

cat("The length of this big number is", nchar(tmp))

## The length of this big number is 31132

cat("The digit sum of this big number is", digitsum(tmp))

## The digit sum of this big number is 118940
```

Here is the 31132 digits length big number of the code:

"1151231341421501621742052112212352452552662772882942107211521232131021482155216521792184219102201022152221022382242225152261422752281122972301023182327233172343235623692375238923922404241724252432244324502464 2

4752484249122504251625242532254162556256625712258825962609261182621226
3726482655266426762683269127022716272627342741827513276112774278627911
2807281428252831228410285272863287112884289122907291162927293172945295
6296152975298329912100521011121023721035210432105112106621078210872109
1521107211152112721131021141221155211632117321188211942120921215212252
1233212472125921261321276212892129112130621313213262133132134721356213
6172137102138421398214016214172142921431321441521451221469214752148421
4910215019215115215212153221543215552156221577215892159721604216152162
2216362164162165102166221671221685216962170421718217252173132174132175
3217612177172178142179321808218172182921837218415218516218622187252188
1021897219032191172192221933219414219552196412197921981421995220092201
5220242203112204522052220642207322084220972210722117221282213222214142
2159221682217202218522191222201322221212222122223132224522258222642227 3
2228142229232230112231182232142233242234822352122361422371022382223992
2401222415224222243112244322452224617224718224816224923225032251102252
3225324225482255202256722571022581722592222601322619222621122635226411 2
2651022661022671622688226972270922717227211227311227482275192276422771
0227862279922804228152282372283142284922851122861530531132233334335136
5371638339331063114312331353141231583161317331853199320832153226323103
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6535783583359536053611036253632364536553661436783684369537023716372437
3123744375143763377123781237910380838119382238333841638543867387438823
8943905391113927393739443956396239793983399731005310173102631031731049
3105531068310753108431094311013311143112123113431147311543116731171431
1812311914312012312163122631233312493125113126831272312863129731304313
1031323313353134431359313683137331382313953140143141531428314363144931
4573146831475314853149331502315173152263153133154323155103156113157103
1584315914316083161931626316333164143165831667316715316853169431701231
7143172831738317463175631766317733178113179163180133181631824318393184
2318511318611318753188143189231901319153192431937319443195183196031976
3198631991232003405411042843134444584618478488493410541123412314135414
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4713448544944502451545224534445411455845664579458114599460114613462846 3
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1236412484125114126541271341281341298413034131114132341331413424135641

3664137941383413954140144141224142441432414464145341469414764148641490
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4665566216746846936105611261212613361486152616561726182619106206621662
2862356243625862636273628562946304631106322633563486357636563736381263
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899692097019971149729973697418975697659776978697912980798110982298389 8
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985519863198741988219891199021991219923199341994319953199661997319981 0
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201622017320182201912020120210202242023120240202512026120272202802029 1
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020440204502046320475204822049320501205112052120537205422055520560205 7
320585205952060220616206232063820646206542066620671206802069820703207 1
122072520734207462075620763207742078620792208072081720825208332084120 8
542086162087820883208932090920913209232093120943209522096320976209832 0
993201005201015201025201032201047201050201060201071201085201094201107 2
011162011282011342011452011542011622011732011802011922012022012162012 2
120123720124620125320126120127320128820129520130720131720132220133520 1
343201355210521142129213621442153216621752184219521102211152112421135 2
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8095059510952095319542955195669571958496059611962196319642965496609670
9680969096100961109612196130961429615196160961709618096190970597109722
9731974597539805981698239831984498569864987498869905991099209931994299
5199639973998310005100111002210032100401005110060100701008110092100102
1001131010510110101211013210142101511016310170101831019110110210111210
2051021110223102311024210252102621027110283103051031010320103341040510
4121042210432104421045410461104701048210493105051051210522105311054410
5521060510610106221063010646107051071010721107331074110752107611077210
8051081010821108301090510910109211093210942109521096211005110111102011

0331110511110111231113011144111531120511211112211123211242113051131011
3221133111341113531140511410114211143011441114501146 1”

As two further facts, if we had used general verse indexes, from 1 to 6348, instead of the normal indexes like chapter and special verse indexes, then the same exact coding pattern of this section results 31404 digit length big number whose digit sum is 125248 that is multiple of 19 too. Namely, whether we use the normal chapter and special verse indexes together or the general verse indexes alone, in both cases, the same coding pattern yield a number which is multiple of 19. However, since I do not use the general verse indexes in the coding of Ha-Mim, following the rules, I do not count it as another code of evidences. Since this is additional to the normal coding pattern, it is interesting and I inform this further fact here. There is one more **further fact** on this coding pattern with the general verse index. The exact same coding pattern with the general verse index also exist if we look at only those 7 special chapters, which results 2103 digits length number, 8265, that is also multiple of 19. Chapters 40 to 46 are special for Ha-Mim letters as Ha-Mim letters appears as independent verses in them, which had led as to look at it over the full text of Quran as the sum of them in those 7 chapters is multiple of 19.

5.8.4.7 Concatenation of sums with verse level indexes

In Code 5.8.4.5, we observed that the concatenation of the chapter and verse indexes and also the sum of Ha and Mim letters considering the 6236 numbered verses is multiple of 19.

In this code, we observe that, not only concatenating the chapter and verse indexes and also the sum of Ha and Mim letters, but also sum of the chapter and verse indexes and also the sum of Ha and Mim letters is also multiple of 19. We use all the 6348 verses and the resulting 14970 digits length big number is multiple of 19. In order to simplify the coding pattern, I formulate it below as follows:

[c+v+H+M]][c+v+H+M]]….[c+v+H+M]

Here, *H* represents the number of *Ha* letters and *M* represents the number of *Mim* letters in a verse. The letters c and v here represents the chapter and verse indexes, respectively. Each of the outer squared brackets represents the representation number of one verse and they are concatenated with the number in next outer squared brackets. Order of numbers is by the global rule, which is the natural order. Here, the most left number is for verse 1 of Quran and the right most number is for the last verse, verse 6348 or in a formal notation chapter 114 verse 6. Each of the ‘+’ is to get the sum of Ha and Mim letters and also the chapter and verse indexes in a verse.

In the below code, we will verify that this code is multipl of 19.

```r
#verse level Ha-Mim sums assigned to x
x<- hrfMat6348[,i1]
#Get the verse level sum of Ha-Mim together
sx <- apply(x, 1, sum)
#concatenate them with indexes
tmp <- unQuran$chapter + unQuran$verse + sx
head(tmp)

## [1] 7 6 8 7 6 9

tmp <- paste0(tmp, collapse = '')
as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("The length of this big number is", nchar(tmp))

## The length of this big number is 14970
```

As a further fact, the same exact coding pattern also exist if we look at only those 7 chapters, which results 907 digits length number that is also multiple of 19. Chapters 40 to 46 are special for Ha-Mim letters as Ha-Mim letters appears as independent verses in them, which had led as to look at it over the full text of Quran as the sum of them in those 7 chapters is multiple of 19.

Here is the 14970 digits length big number of the code of the current chapter:

“76876912745101112141618151918172524222328243132283433284242344138424141523943474449434650494749475254546356595857726364716867718176727472727573727479807994908983869289878997961149110094103991091011121011031131041031021071141411101091181141171171261191181211251281221211221281251311281291281331361411351391421381361401481431431551491441491581501531581611591571541541611711681551571591621601661691681661681661711821771701811751771761811791881891801791961941841901901931922012031902142001981952101961982102022392082142062112082082162112092122122142182192202222372302262262392252332352442362382312352322322442542432512482592442582522492422502542482462562492492652672662742552632572792642772652692772832752722752702772772782852782782812802852862842962822892862902862883212992952983038579109142614151918182129262023263131293136343439384339454236414046475043534648494959605355546864576559607164686467687470687273837875777580798881928292939291103878910392969493969810510210310110410110910410910811111112311611311711511511612611812712012412212613413313613513
```
```

0131129136139137132137139137134138141141147147143143147157149153152156
1551571551561551551611811691891681701701651761711731711691811761761851
7617618517818318418318418518319219819619018919518919920019520519419419
9199203201216199206207214206915142012172819201619384722212727293232312
9346258713835334336414544515051474752494750695051676457575660586169676
6707372756874747682807475807679858581878193969089908710191959798991041
1511513510411411310611310510411411314311611911411211512212412012112413
3127127123123124134129130135133136140135144145141137146139138140145146
1501451481581671501491541521591571581531551581651711661691651751641691
7217118317717517417317117617418519518419018318919119021264931414819202 0
1827393930292941383039303237323236433539374151474443544948505173615863
6062618267636667697365657066717272747584759079858381889187819087868786
9392949998969410010012210410310211511012611611310610910711311211411512
3136129118120132122126122126128135133128131128111316151616331718182119
3022282327252635323336343339353639394047404448484746565250495354605662
5764586362726475636770697783747576758075758181908480888486858990909198
9796989494101100999911310812012111010710911012311011111010911911311611
9126124125127123123132127124127130141129138138136140139135139150137149
1401441491441501561531581571541611571621691671711591651581651791671651
7016516517517317417317617317217717812913161416151722212226252322242735
3832383343353635384841434443495344534559595355555465635363596564676865
6973657075667571717680757777777990819286948796859089939593959296109981
0410210510210210110610410911010810911111411511311711411811411511512112
2120121122125127128127128126128130130139137133140143140143140148147147
1471461491551541511501591581611551591561591661631731641641671681751691
8517617119017717818218317617618218618518118418918618218519018818919519
3192193193197200197203203210203200201208207213204207209207211213213222
2152142141314181520191922202525302723232735382836313232394137424042434
2424848534852514951546465606157576167646263647168657072716985747379778
5847982849186101829093141624292927282422242431343229383537393539324347
4839415149455343444956596358525857585660605866636466647067727275727573
7984777882778387869898949088101909092931009610093100101101100991061021
0511011410811811511011211611911712811712111712412412512612512513313113
2131131133136139130148135142139144141141145148140151321232924192021303
0263134293232343736364150495039415151414657474749585251545860625857576
3626260646666666871706876748074857574788082818680879890879493929495919
7999710410297100106109102108103105114112107110110118116112116120118122
1191201221281261618152417252331312524262831333232473632413536404040404
9505045524649515155525955625759696163646376676864737167697274787375857
9837980878383858788839288909292969692104999910810110410411111510510711

2114117110109112115113115126115120117120119123125131128128130132128128
1381321321401371371341391714152120183119242725262627273429333836364440
4041424242454246545049485358625655666156596361616468646673667272697670
7378747380818786899095848985898988909696959511099941041001001041061041
0610610311110810910811510911311412312312311912012212312412512912913018
1825202223262430242941283533314146454034384245424445434548535849615353
5859545657626460192020192625362528433737303534303437413735476246424245
4547444752575155525662585857606363686768646567676769201720232324222528
2626292929333532353637394045424645464649464847495451515254565858586062
6361636669666668707072727575767777788080808885838484878791919392939495
1019898100102102108102105113105108106109110112111113114117115212024222
3252830282833313533393435353838384045454351535156485252555956626159615
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9410210298102102110112100102105104106107106114112113122117118116119126
1161171191241241261241241351271291281331321361351361431381361431431421
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1081101091131151151201141321191221231231231251231261241291271271321352
3222822223128302732333037383640474749584653614143455553525954615855575
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7111712012312012112312312813112712912713414024202322262826323030303734 3
4344039414040434544454744535151514955525857595863636561616466656869687
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0210310410610910811010910911111211411611611712111912725212324272733283
0313333333635363840404041414644444647494850505153545455575962657061626
3646569727072717273807680768083848287859190899288889793103979710010199
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7106110116112118113114115118112119118118117119343134363937384447434844
5350514651515350505459575970595966646164666967667070777288747775778286
8382828387878786948688968995959410397989910510510235323336413837424955
4143464847514952525755605761636358627667646568746869747173788776758080
8086878583878487929291949293909136333538384143424443514651475060515654
5462565962596361696467646773717537343644454541414547444952515454555554
5959566458616168656366653838403651555553435150464954515054605766615864
6862626466666667707070718681857874827576858379808483981109992113889293
9310097101969699989810110010410610411211311639444643444345484455475057
5558555653556158657063646366656465687372737374728575788182818984859185
8486888790909640435044414446485249536458605953525365565657665862656272
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9595959395969899101991011011031081041091061091091151121121121161171171
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7656869726970737374747677807881828182858385868788909193939493989810098
1011011011031021071101101081091091111111121151151151151191191211201221
2212412312712612712812913113213113413613613613613913411481421421441441
4614514814915115215715315715515615815715916016316216216316516716616616 8
1701721721721721751791751781791821831831821831841851891881901911901901
9519219619619919819820020120320720320620420620720821021221121421321321

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1011031041041081071061081121111111121141131181171171171181201221221241
2413113012612844434351485062575756565254545462625761626671687569696869
6876727677747880798191848386928587899199929694999699981029898101991061
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5955616462686163736665667468748080767975838779788181839084858987888892
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1171241191201301231261221301341291304644484648525650555353546357636564
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9410010010147454449505753556055586258697175676267627074757374697470767
8788077767783868388838788898994989610210196961021059948464647505351535
5565758596358606368656872706873747273707378777692847882828583888889889
0889492959795961009810010010410110610610410610810811110115111113115115
1161191191181201211241231251271291261281301311331351331331364947474955
1525556565457565860626063656465666769697171737273787678798178838190868
8888991889090939397949799969910010010510310410550485051535854535958646
0626563666775676968827274797582787979848484849088858551495158626055596
2646561686463766869727379747075797990787983858582848491525064566555555
8586163626964668673676976777274757279797880818685858385899188975352585
1626264585759657368646872767575717871727282100869077102545458595660626
8627167767469767472767155525654596161595965606367636767717070747172757
4757877788182858284878688958995949296979797101565255545857576061616164
6466676773707176727376797980787983828485868788909189919295959799991011
0210010110210410610910610910810811411011411457535556585860596265626565
6767707371777476888076817879828384848793878891909498939996979910110110
2102107104585559575959606062626666676668697072727374757687807886848785
9191100868789949191939395969799981011001011021031061111071081091101101
1211411411611559565960626262656467657068706971707372797675787880808284
8885849188889292929395939695981021021011031031061031091081061081091126
0585858606362646466666869697073727474767677807982818283848786878892909
3929394959610198101102101104103103105106107109109111111114113114115117
1171191191211211221231251251261271301291321311331331356157585960616364
7172666869707172747576757881798182838488858788898892919192939696971021
0310310110310410610410511211011111114112114115117118122122120122123124
1241271261321261281331321331341351341351371381401401411421441441441471
4815015115115315215215562636361786564737672827183828581857981859385848
7859091100969063647371756871868172758278798477788287837979103646683656
6569727674857581767786817979828183848691916585677386677474798110781778
0666866666875827572727680807988677075726883757580797577686770718174767

5777982766972757375767476758676817979888489868570787974847486777776789
0847175777476778278918188858672697576737776758179808182828386899287929
3919694939497961031021057371737373737679777780838382838386928690909194
9295949599100991009910110210510710810710811611111211111511811612111812
2122120123122747173757476778379808185828386858792909291909192969898969
9989910310210410610810710610910911011311211411311611712211812212012112
4757172757976777781798686838387858688898991939396999897101101102108103
1061061071071081091131131131161161161177678767483777984818382858886868
8899092919297959596102999910777777677767781838486868684909390919193939
4959998100100100103106787676777778808182848688878889918992949311979767
7777879818182858487898790919091929395969798999910010310210410412310710
7109110110115113115114117118120121120121122124126128126131127128130132
8079798179828382848787868991899192939395969698981001001011031031041071
0610711010911111211611411511781818181808382858990899091929193939495101
9910210110010510210410610910611011382797980818383858787878890919494949
6979810299101101103103105107107108107109110111113113114116118117119119
1211231231241271261261281298380818383858685878988909191959494979799981
0110110210210610410710610810911111111111211411612212412112384808184838
6868688889191919494969696979899100102103104104106109108109110113111116
1141161181181181211231211221241241271298581838484878688908990919396969
5979899100101103103106105106107108108109111111116113117116117121120121
1211211238683848485888888909092939594989797981001011021051071051061081
0710911311287848486869090899191949496969898100102104105888585888990929
0939495959896991031031021011041051051061061091121121131121161161151161
1912111812089868788899093949494969596989999101102103103107106106109110
1159087898990909296100961051029798991011021031041041091071109188909092
9394949496989898991011021021069290899092939397959698989910310310310410
4106109939091929494979798979810010010210310510510510710710911111211211
2114117949091929396969899999910010110310410910710811010911311011211511
5116116118118118119959293949497971009999100103104103107107108113111113
1129694949495989999100102102103103105110106979394969799999910210210210
5104105107107108109111115112113989595989898101100101104104107999796979
8100101101102100969799101101107103107101989910010210510210310410510610
7109109112112112113114115102981011011061051031051031021061091081091121
0410010110310510510810911010510210410510410610610710911111211410610210
4106107107110108112111113114107104107106108109110110113108104105110109
1071081091101131111111141161101081091091131121111071101091161121081101
1311211411411611310911111114110112114115116117115112112116116112116114
1191191171141151171181181141171171181211191151171171191191 21”

5.9 All the Disjointed letters sum

As mentioned before, in Quran, there are *Disjointed letters* or also know as *mysterious letters* or, as in Arabic, *Huroof-al-Muqattaat*. They are considered mysterious by most as their meaning are not fully agreed upon among scholars. As an information coding expert, it is plausible to me that they might also be the additional information to design a 19 based code in the full text of Quran. They might also have real meanings but this does not prevent them to have such an additional function as well.

In this chapter, I will present a coding, which shows that the total number of all the 14 *disjointed letters* is multiple of 19. Below, I present all the letters characters exist in the Quran text I used, which was explained in detail in Chapter 8.1. Then, I show the set of 14 *disjointed letters* I used to calculate the sum of them. And then, I will show that the sum of the total number of the 14 *disjointed letters* is multiple of 19 in the full text of Quran in 6236 numbered verses. Furthermore, when we look at all the 6348 verses, I will also show that the digit sum of those numbers is also multiple of 19 in the full text of Quran considering all the 6348 verses.

```
#All the letters characters exist in the text of Quran I used
names(LettersEachun)

##  [1] ""ر" "ذ" "د" "خ" "ح" "ج" "ث" "ت" "ة" "ب" "ا" "ئ" "إ" "ؤ" "أ" "آ" "ء
"س" "ز"
"و" "ه" "ن" "م" "ل" "ك" "ق" "ف" "غ" "ع" "ظ" "ط" "ض" "ص" "ش" [20] ##
ي" "ى""

#The set of 14 *disjointed letters* I used
hurufs <- c(
  ","ا
,"ل"
,"م"
,"ص"
,"ر"
,"ك"
,"ط"
,"ه"
,"س"
,"ي"
,"ح"
,"ق"
,"ن"
```

```
ع"   "
)
#Let's print them:
hurufs

##  [1] "ع" "ن" "ق" "ح" "ي" "س" "ه" "ط" "ك" "ر" "ص" "م" "ل" "ا"

#Get the indexes of of the disjoint letters
i1 <- match(hurufs, names(lettersEachn))
i1 #7 30 31 21 17 29 23 33 19 36 13 28 32 25

##  [1]  7 30 31 21 17 29 23 33 19 36 13 28 32 25

HurufsCleanSum6236 <- lettersEachn[i1]
names(HurufsCleanSum6236) #See the names

##  [1] "ع" "ن" "ق" "ح" "ي" "س" "ه" "ط" "ك" "ر" "ص" "م" "ل" "ا"

HurufsCleanSum6348 <- LettersEachun[i1]

#the sum of the total number of the 14 *disjointed letters* in 6236
verses
tmp <-  sum(HurufsCleanSum6236)
#The sum of the 14 *disjointed letters*:
tmp

## [1] 225397

#225397   (225397/19 = 11863  digitsum(11863)=19)
#Mod 19 test of the sum:
tmp %% 19

## [1] 0

#Also, the digit sum of the quotient, 11863, is also exactly 19.
tmp /19

## [1] 11863

#The digit sum of the sum of those numbers in 6348 verses
tmp <-  sum(HurufsCleanSum6348)
tmp

## [1] 227413
```

```
digitsum(tmp)

## [1] 19
```

We observed 2 codes.

Code 1: In the 6236 numbered verses, the total number of the 14 *disjointed letters* is **225397** and it is multiple of 19. As an additional fact, after dividing 19, the digit sum of the quotient, 11863, is also exactly 19.

Code 2: In all the 6348 verses, the total number of the 14 *disjointed letters* is **227413** and the digit sum of it is exactly 19.

Considering all the 14 *disjointed letters*, the most rational way to test their relation to 19 is to look at the most simple code, which is the sum of them. Therefore, I consider that the total number of the 14 *disjointed letters* being 225397 and it is multiple of 19 as evidence. Although this code is very sensitive to the text I used, observing such a code looks quite meaningful. Observing the other code about the digit sum is being equal to 19 also support the conclusion about the main code as evidence. I will count this observation as 1 success in 2 trials and add to the global counters.

```
global_tested_nums <- global_tested_nums + 2
global_success_nums <- global_success_nums + 1
```

5.9.1 Discussion and future works on other 'Disjointed Letters'

In Chapter 5.8, I presented come codes around Ha-Mim and Ayn-Sin-Gaf letters, which are about only the 5 of the '*Disjointed Letters*' or also know as *mysterious letters* or, as in Arabic, *Huroof-al-Muqattaat*. More details about them can be seen in https://en.wikipedia.org/wiki/Muqatta%CA%BFat. However, there are 14 Disjointed letters out of 28 Arabic letters and we observed 19 based codings on 5 of them. I wanted test others as well but there are some uncertainties on the other letters. Some of the key letters like Alif and Ya might have different writings or usages. Also, there are various versions of Arabic letters and the total number of letter forms in the text of Quran I used is 36. Here are all the letter forms in the text of Quran I used:

ء, آ, أ, ؤ, إ, ئ, ا, ب, ة, ت, ث, ج, ح, خ, د, ذ, ر, ز, س, ش, ص, ض, ط, ظ, ع, غ, ف, ق, ك, ل, م, ن, ه, و, ى, ي

The reason I was able to work on Ha-Mim letters (م, ح) and also the and Ayn-Sin-Gaf letters is because they do not have other letter forms nor alternative usages in the text and also they have clear 19 based coding in their special 7 chapters, which led me to look at the full text of Quran too. However, for other letters, there are some unknowns for me and I am not able to analyze them as clearly as the Ha-Mim and Ayn-Sin-Gaf letters and thus I stopped

my research at this stage until I may clarify my knowledge about the other letters too. Since I do not know Arabic, I tried to get help from other people with Arabic expertise about those letters but I could not get a help on that. I may have to look at them in the future if I can clarify all my questions about those letters.

On the other hand, here is my hypothesis about them that interested people can test themselves if they are sure about all the Arabic letters in regard to '*Disjointed Letters*'.

Hypothesis: For the '*Disjointed Letters*' combinations, the ones that appears as a single verse in some chapters, if they have clear 19 based codings in their special chapters, like sum of them are multiple of 19, then they might also have clear 19 based codings in the full text of Quran too. Statistically significant portion of the *disjointed letters* or their special combinations as they appear in the beginning of the chapters as independent verse might follow this hypothesis.

5.10 Overall probability of all the evidences so far

Below I will calculate the probability of all the evidences so far in this book using the global counters I have been counting.

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", global_success_nums,
            "success out of", global_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 43 success out of 99 (with p=1/19) is:
1.17e-28"
```

Again, If some cautious people think that we should have used more tests, although we tried **all** of them regarding the rules, I will not even look at the possible further successes in that case and keep the success number same but double the number of trials and see what would then be the overall probability so far. This should calm down those skeptical people.

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums*2,
                 p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
cat(paste("The probability of all the ", global_success_nums,
```

```
          "success out of all the", global_tested_nums*2,
          " tests (with p=1/19) is:", tmp))

## The probability of all the  43 success out of all the 198  tests
(with p=1/19) is: 2.01e-15
```

If still not convinced, for extremely cautious people, let's also increase the trials by 4 fold and keep the successes the same!

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums*4,
                 p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
cat(paste("The probability of all the ", global_success_nums,
          "success out of all the", global_tested_nums*4,
          " tests (with p=1/19) is:", tmp))

## The probability of all the  43 success out of all the 396  tests
(with p=1/19) is: 7.36e-06
```

6 Other Evidences and Facts

In the previous two main chapters, I presented the key coding pattern based evidences and universal evidences. The other evidences and facts will be presented in this chapter. Most of this chapter presents codes as facts.

Regarding the codes presented in this chapter as **facts**, you can skip them if you like as they are not counted within the rule based 19 System presented in this book. I considered some of the codes just as *facts* and not as evidences and thus, they are not within the presented 19 System of this book but stands as additional information, which might be potentially useful in the future. You might skip the chapters with the codes as facts if you like. In this Chapter I will present some codes as **facts** that I did not consider them as evidences but designated as *facts* as I use general rules and would also like to see strong patterns to assign any coding as an evidence. However, sometimes I might be missing some other codings and these kind of facts help to discover them later and they might potentially be considered as evidences in the future. Also, sometimes some people might want to see if there is a specific relation if there is a coding in certain aspects. In such cases, some of these facts might be their answers. Also, some people might find them in the future and consider them as evidence by mistake. So, this chapter challenges them to find also meaningful rules

of such codes so that they might be considered as evidences. Therefore I present some of those codes as facts here as a separate section.

There is also another potential role of such codes. As I mentioned before, the author of the fake 19 system claim, Rashad Khalifa, who manipulated the text to match the text to his made up claim and his small amount of followers today and in the future potential similar other manipulators might come up codes with similar numbers over their manipulated text. In such case, these coding facts will be available as facts that tell them that there are already interesting codes with similar text numbers in the original full text of Quran.

In the main chapters of this book, Chapter 4 and Chapter 5, I presented codes, **all** of which strongly suggest a 19 based design within the **full text** of Quran. All of those codes were bound by the general rules and also the special rules described of Chapter 4 for that chapter. As mentioned before, those codes mostly do not contain letter information and applicable to most of the common Hafs manuscripts (mushaf) texts of Quran. Because, some of the letters of some of the words might have been written differently even among Hafs manuscripts during the course of the history. These slight differences does not change the meaning of the word but just might cause writing the words with slightly different letters. The situation is similar to the British and American English words of *colour* and *color*, respectively. Therefore, most of the codes up until now in this book, deliberately do not include letter information but mostly word information along with chapter and verse information. This assures that the codes are valid for most of the Hafs manuscripts commonly used today.

However, I also discovered appealing and, in my opinion, interesting codes that include the letter information too, which I will present in this chapter.

In this chapter, I will present codes as facts, including letters based codes that are again mainly bound by the universal rules described in Chapter 3.2.1. For each sub-chapter of this chapter, I might describe the special rules of each coding patterns, which are additional to the universal rules. Because the codes of this chapter might have their own additional special rules. The common trait of all the special codes I present in this chapter is that, all should answer meaningful questions with meaningful multiple related codings that might be part of the system although I do not include them in the presented system yet. I will also validate and provide reproducible tests for a few of the known important 19 based codes on Quran text.

For most of the codings of this chapter, in order to complete this book in a shorter time, I could not spend much time to research on the potential rules based on the codings I observed. Therefore, I classified many very interesting coding patterns as **facts** but not as codes of the 19 system. However, in the future, researchers might spend more time on them and discover meaningful rules of the codings patterns along with their related codes as a

system. Therefore they are currently presented in this book as a supportive facts to the presented system.

Finally, for the reference, to the best of my knowledge, all the codes and facts presented in the Chapter 6 and its sub-chapters are first time presented to the literature in this book, and they have been hypothesized, tested and discovered by myself. If I later realize that any of them were published in any publication earlier than 2019, the first publication date of this book, then, in such a case, I surely add a citation and update the online version of this book.

6.1 Miracle of Iron as evidence

Iron, one of the most plentiful metals found on Earth, is an essential building block for life, which is required for all living things to sustain life. The number of protons in nucleus of iron is 26, which makes its atomic number 26 and thus this is a unique and universal number for iron element.

Iron is one of the names of the 114 chapters of Quran. The name of the chapter 57 is *Al-Hadid*, namely, *The Iron*. The word, *Al-Hadid*, is used in the verse with index 25 of the chapter 57. Considering the unnumbered (unindexed) Basmala verse that exists in the beginning of the chapter 57, the verse with the word, *Al-Hadid*, is the **26th** verse in chapter 57. There are already a few known miraculous evidences exist in this verse that stand so strong like an iron!

> (Quran, 57:25) Indeed, We sent Our messengers with clear proofs, and with them We sent down the Scripture and the balance ⌜of justice⌝ so that people may administer justice. And We sent down **iron** with its great might, benefits for humanity, and means for Allah to prove who ⌜is willing to⌝ stand up for Him and His messengers without seeing Him. Surely Allah is All-Powerful, Almighty.

In the following subchapters of this chapter, I will first present widely known miraculous evidences about iron in Quran. I will then present, *the new mathematical miraculous codes of iron in Quran as evidences, which I discovered on December 1, 2023 and will present for the first time in (the upgraded version of) this book to the literature*. The following subchapters presents my new discoveries about the iron in Quran: Evidence 6.1.2, Evidence 6.1.3, Evidence 6.1.4 and Fact 6.1.8.

6.1.1 Known evidences of Iron in Quran

Known evidence 1 of iron in Quran: The Abjad (geometrical) value of the Arabic word (حديد) *Hadid* (Iron) is exactly 26, which is also the atomic number of iron! Pause a moment

and contemplate how likely such undeniable truths might exist in a book claimed to be from the creator of both facts.

Below is the calculation of the Abjad value of the word 'Hadid' (Iron):

```
suppressWarnings(require(gmp))
tmp <- unlist(str_split("حديد",""))
cat("Each of the letters in the word 'Hadid' (iron): ",
    tmp)

## Each of the letters in the word 'Hadid' (iron):  ح د ي د

tmp <- AbjadSeqofaWord("حديد",abjadL, abjadN2)
cat("Each of the Abjad numbers of each letter in the word
'Hadid' (iron): ",
    tmp)

## Each of the Abjad numbers of each letter in the word
'Hadid' (iron):  8 4 10 4

tmp <- AbjadSeqofaWordSumValue("حديد")
cat("The Abjad number of the word 'Hadid' (Iron) is ", tmp)

## The Abjad number of the word 'Hadid' (Iron) is  26
```

Known evidence 2 of iron in Quran: The atomic number is used to uniquely identify ordinary chemical elements. The atomic number of iron is 26. This is a universal fact and known by science literature only since the 19th century. The word *The Iron* to be at the 26th verse, including the unnumbered Basmala verse at the beginning, stands as the first miraculous and universal evidence for the claim that the author of Quran and the creator of this universe are the same. At the time of Quran's revelation by around 632, no one knew the atomic number. After around 1300 years, scientists found this universal fact.

The above two universal evidences stand as iron level strong miraculous evidences that should be sufficient to prove that Quran is from the Creator of everything, God. These miraculous evidences should convince the people with knowledge but without prejudices and arrogance against Quran.

Moreover, the chapter index of this verse also stands as further supporting fact between the unique relation of the iron and Quran. *The Abjad number of the word "The Iron" (Al-Hadid) is 57. As mentioned before, the name of chapter 57 is also The Iron*.

Below is the calculation of the Abjad value of the word 'Al-Hadid' (The Iron):

```
tmp <- AbjadSeqofaWord("الحديد",abjadL, abjadN2)
cat("Each of the Abjad numbers of each letter in the word
'Hadid' (iron): ",
    tmp)

## Each of the Abjad numbers of each letter in the word
'Hadid' (iron):  1 30 8 4 10 4

tmp <- AbjadSeqofaWordSumValue("الحديد")
cat("The Abjad number of the word 'Al-Hadid' (The-Iron) is ", tmp)

## The Abjad number of the word 'Al-Hadid' (The-Iron) is  57
```

Known evidence 3 of iron in Quran: The chapter, The Iron, is the 57th chapter of Quran and it is in the middle or the center chapter considering all the 114 chapters of Quran. It is also a new scientific knowledge of 20th century that the inner core of the planet earth is a hot, **dense ball of (mostly) iron**. More details can be read about it from this article: education.nationalgeographic.org/resource/core. So, the the facts that the middle of earth and Quran having "The Iron" is no coincidence but another miraculous truth for the ones who have no prejudice and arrogance against Quran.

Natural iron is a mixture of four stable isotopes. Another additional fact is that, the number 57 is also the number of one of the 4 four stable isotopes of iron, which is *iron-57*.

Known evidence 4 of iron in Quran: This might be a bit controversial as the science might not have fully established about how exactly the iron on earth existed. In the verse, 57:25, there is this statement: "… And We **sent down iron** with its great might, benefits for humanity …". At the time of the revelation of Quran, humanity had no knowledge that iron had already existed naturally on earth or came down by meteorites. Although, there are various theories exist currently, one information is commonly accepted as a scientific fact, which is such that some of the iron on earth was definitely came down by meteorites. Since the verse does not say "we sent down all the iron", I think, even the current limited scientific information verifies the statement of the verse. Since there was no such information that at least some iron came down to the earth by meteorites, the statement of Quran about the iron stands as another miraculous fact for the people of knowledge who have no prejudice and arrogance against Quran.

6.1.2 Entire Iron verse & atomic number of Iron: First new evidences of Iron

I have discovered additional evidences about "iron" and Quran on the date Dec 1, 2023. I have not seen them anywhere before. If I see a publication that already have them, I certainly update my book to cite them. However, to the best of my knowledge, they are all discovered by myself and first time presented to the literature in this book.

I will present each in a separate subchapter. The first new evidence is the following:

The verse of Iron, in its entirety, has further relation with the atomic number of iron, 26. Namely, when we concatenate, in the natural order, the chapter index (57), the verse index (25), the number of words in the verse (28) and the number of letters in the verse (138), we get the following big number and it is multiple of 26, which is the atomic number of iron. Here are the calculations:

> Concatenate: 57 25 28 138
>
> The coded number of the iron verse: 572528138
>
> It is multiple of 26 as follows: 572528138 / 26 = 22020313

This *suggests* that the Creator of the universe, who also created the iron is also the author of Quran, shows us these undeniable miraculous facts so that we, the people of knowledge, can contemplate and understand that the Quran is the message from God.

> Quran, 41:53 We will show them Our signs in the universe and within themselves until it becomes clear to them that this ⌜Quran⌝ is the truth. Is it not enough that your Lord is a Witness over all things?

A further interesting *fact* from this evidence is the following. The digit sum of the quotient, 22020313, is 13. This number is interesting because the word “the-iron” (Al-Hadid) is the 13th word in the iron verse, 57:25. This might or might not be a coincidence but it looked to me interesting and just shared as a fact but not as an evidence. I leave this fact for further discussion to the people to consider it as an evidence or not.

Here is the proof from Quran text:

```
x<- unQuran
tmpl <- str_split(x$text," ")
i<- 5155 # General verse index in 6348 for verse 57:25, the hadid
verse.
tmpi<- unlist(tmpl[i])
print("Each of the words in the verse of (The-Iron), 57:25: ")

## [1] "Each of the words in the verse of (The-Iron), 57:25: "

print(tmpi)

##   [1] "لقد"   "أرسلنا"   "رسلنا"   "بالبينات"   "وأنزلنا"   "معهم"
## [7] "الكتاب"   "والميزان"   "ليقوم"   "الناس"   "بالقسط"   "وأنزلنا"
## [13] "الحديد"   "فيه"   "بأس"   "شديد"   "ومنافع"   "للناس"
```

```
"بالغيب"     "ورسله"     "ينصره"         "من"      "الله"    "وليعلم" [19] ##
عزيز"        "قوي"      "الله"        "إن" [25] ##"

print("The number of letters in each word in the (The-Iron) verse: ")

## [1] "The number of letters in each word in the (The-Iron) verse: "

print(nchar(tmpi))

##  [1] 3 6 5 8 7 4 6 8 5 5 6 7 6 3 3 4 6 5 6 4 2 5 5 6 2 4 3 4

print("The number of letters in the verse 57:25: ")

## [1] "The number of letters in the verse 57:25: "

print(sum(nchar(tmpi)))

## [1] 138
```

6.1.2.1 Entire Iron verse & atomic number of Iron: The number of characters per word

I also found a related code that is related to the previous evidence 6.1.2. In that code, if we keep the chapter 57 and verse 25 indexes but remove the number of words and letters and then place the number of characters per word, then the resulting code is also multiple of 26 as below:

See Chapter 6.1.2 to see the number of characters for each of the 28 words.

The number of characters for each of the 28 words as concatenated:

365874685567633465642556243 4

We then concatenate the chapter 57 and verse 25 indexes with this big number and got the code as below:

5725365874685567633465642556243 4

This code number is also multiple of 26. Since this code is strongly related to the Evidence 6.1.2, I presented it as the subchapter of it to consider them together. Here is the test that show mod 26 of this big number is 0 and thus it is multiple of 26.

```
tmp <- "5725365874685567633465642556243 4"
as.bigz(tmp) %% 26

## Big Integer ('bigz') :
## [1] 0
```

6.1.3 Iron verse until the word Iron & atomic number of Iron: Second new evidences of Iron

There is more interesting evidence if we look at the text numbers until the word *iron* in the iron verse, 57:25. The word, "Al-Hadid" (The-Iron) is the 13th word in this verse and up until the word *The-Iron*, inclusive, there are 76 letters. When we concatenate these natural numbers in the natural order as we did in the above evidence, Evidence 6.1.2, we witness further interesting evidence as the resulting number is also multiple of the atomic number of iron, 26. Here are the calculations:

Concatenate: 57 25 13 76

The coded number of the iron verse: 57251376

It is multiple of 26 as follows: 57251376 / 26 = 2201976

This further *suggests* that the Creator of the universe, who also created the iron is also the author of Quran, shows us these undeniable miraculous facts so that we, the people of knowledge, can contemplate and understand that the Quran is the message from God.

There is further tiny interesting fact in the numbers of this evidence. The sum of those 4 numbers is also multiple of 19 as 57+25+13+76 = 171, where 171/19 = 9. By the way, the number of letters until the word, the-iron is 76 and 76/19= 4. This fact seemed to me a bit interesting because there are 4 isotopes iron made of. The letters are also components words are made of. The matching of the 4 regarding components of iron and the word iron seemed to be worth mentioning here and again I leave it for further discussion to the people.

Below are the R codes that shows each word and their word index and letters so that readers can verify the above mentioned numbers.

```
x<- unQuran
tmpl <- str_split(x$text," ")
i<- 5155 # General verse index in 6348 for verse 57:25, the hadid
verse.
tmpi<- unlist(tmpl[i])
print("until the 13th word (The-Iron), each of the words in the verse
of , 57:25: ")

## [1] "until the 13th word (The-Iron), each of the words in the verse
of , 57:25: "

print(tmpi[1:13])
```

```
##  [1] "معهم"  "وأنزلنا"  "بالبينات"  "رسلنا"  "أرسلنا"  "لقد"
"وأنزلنا"  "بالقسط"  "الناس"  "ليقوم"  "والميزان"  "الكتاب"  [7]  ##
الحديد"  [13]  ##"

print("until the 13th word (The-Iron), the number of letters in each
word in the verse: ")

## [1] "until the 13th word (The-Iron), the number of letters in each
word in the verse: "

print(nchar(tmpi[1:13]))

##  [1] 3 6 5 8 7 4 6 8 5 5 6 7 6

print(paste("The 13th word, (The-Iron): ", tmpi[13]) )

## [1] "The 13th word, (The-Iron):  الحديد"

print("The number of letters until the 13th word, including, (The-
Iron): ")

## [1] "The number of letters until the 13th word, including, (The-
Iron): "

print(sum(nchar(tmpi[1:13])))

## [1] 76
```

6.1.4 Great Evidence of Iron and Quran

In Evidence 6.1.3, we had used the number of letters until the word Iron in the verse. In this evidence, I will remove the total number of letters, 76, and replace it by placing the corresponding Abjad numbers of each of the 76 Arabic letters. We will witness that, this meaningful coding test have a 131 digits length very long number, which is not only multiple of 26 (the atomic number of iron) but also it is multiple of 26x26x26 (17576). To help you imagine how great is this code number, let me provide you the the probability of any random number being multiple of 26x26x26, which is 1/17576. Also, note that the digit sum of 17576 is also exactly 26. Below are the details of this evidence.

The coding pattern of this evidence is just like of the Evidence 6.1.3 but we replace the number of letters with the Abjad numbers of each letter until up to the word iron as follows:

Concatenate: 57 25 13 and [Abjad numbers of each of the 76 Arabic letters.]

The resulting 131 digits length coding number, which is multiple of 26x26x26 (17576) is this:

> **572513**30100412006030501200603050121302105014006150730501407054
> 013020400126130401071503010100640130501602130100609615073050113
> 084104

This further *suggests* that the Creator of the universe, who also created the iron is also the author of Quran, shows us these undeniable miraculous facts so that we, the people of knowledge, can contemplate and understand that the Quran is the message from God.

Below are the proof to get the above number and multiplicity test:

```
x<- unQuran
tmpl <- str_split(x$text," ")
i<- 5155 # General verse index in 6348 for verse 57:25, the hadid
verse.
tmpi <- unlist(tmpl[i])
print("Each word until and including 13th word,Al-Hadid: ")

## [1] "Each word until and including 13th word,Al-Hadid: "

print(tmpi[1:13])

##  [1] ""معهم"  "وأنزلنا"  "بالبينات"  "رسلنا"  "أرسلنا"  "لقد
"وأنزلنا"  "بالقسط"  "الناس"  "ليقوم"  "والميزان"  "الكتاب" [7]  ##
الحديد" [13] ##"

tmp <- AbjadSeqofwordsperVerse(tmpi[1:13], rev_ = F)

print("Abjad sequence values of the Iron verse till Iron word: ")

## [1] "Abjad sequence values of the Iron verse till Iron word: "

print(tmp)

##  [1] "301004"        "12006030501"   "2006030501"
"2130210501400"
##  [5] "6150730501"    "4070540"       "1302040012"    "613040107150"
##  [9] "3010100640"    "13050160"      "2130100609"    "6150730501"
## [13] "13084104"

tmp <- paste0(tmp, collapse = "")
print("Single big number of Abjad sequence values of the Iron verse
till Iron word: ")
```

```
## [1] "Single big number of Abjad sequence values of the Iron verse
till Iron word: "

print(tmp)

## [1]
"30100412006030501200603050121302105014006150730501407054013020400126 1
304010715030101006401305016021301006096150730501130841 04"

# Concatenate 572513 and replace the Abjad numbers of 76 letters with
Abjads:
tmp <- paste0(572513,tmp)
print("Including indedexes, single big number of Abjad sequence values
of the Iron verse till Iron word: ")

## [1] "Including indedexes, single big number of Abjad sequence
values of the Iron verse till Iron word: "

print(tmp)

## [1]
"5725133010041200603050120060305012130210501400615073050140705401302040
0126130401071503010100640130501602130100609615073050113084104"

tmp131 <- tmp
# Test the 131 digits length number for mod 26 and see if 0.
as.bigz(tmp) %% 26

## Big Integer ('bigz') :
## [1] 0

# Test the 131 digits length number for mod 26x26x26 (17576) and see
if 0.
as.bigz(tmp) %% 17576

## Big Integer ('bigz') :
## [1] 0

print("The number of digits of the big coding number: ")

## [1] "The number of digits of the big coding number: "

print(nchar(tmp))

## [1] 131
```

The 131 digits length coding number, including indexes:

“5725133010041200603050120060305012130210501400615073050140705401302040012613040107150301010064013050160213010060961507305011308410 4”

You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

There are also some further interesting facts with the quotients of this big number.

When we divide the 131 digits length big coding number with 26, it results 130 digits length quotient number and the digit sum of it is 588. By the way, 130 is also 26x5. Then, when we divide the 131 digits length big coding number with 26x26x26 (17576), it results 127 digits length quotient number and the digit sum of it is also 588. When I run a simulation to measure the probability of them to be equal randomly, I measure the probability as around %0.8, which is statistically sufficient small probability to consider them potentially not random.

6.1.4.1 From the first verse till the iron word, based on the Great Evidence

In Evidence 6.1.4, we had witnessed the Great Evidence of iron in Quran. This code further supports its coding pattern suggest that the same codingg pattern also exist from the first verse of Quran untill the Iron word in the Iron verse. Since the Great Evidence code of Evidence 6.1.4 has an extremely strong coding, I hypothesized that it might be left as a *key coding pattern* and, if so, we should also see the same coding pattern from the beginning of Quran from the first verse till the iron word in the Iron verse. I tested this hypothesis and witnessed that it is also multiple of 26 considering the text type of 6348 verses of Quran. Namely, when we apply the same key coding pattern to each verse and concatenate them until the iron verse, the resulting big coding number is also multiple of 26. This means, the *key coding pattern* of the Great Evidence (Evidence 6.1.4) does not only exist from the first word of the Iron verse till the iron word but it also exist from the first word of Quran in the first verse till the iron word in the iron verse. Below is the reproducible R code to verify and witness this supporting evidence code.

```
x<- unQuran
ii <- which(x$chapter== 57 & x$verse==25)
RmHamza=T
j <- which(x$verse==0)
y <- x
tmpl <- str_split(x$text," ")

tmp <- c()
```

```r
for(i in 1:length(tmpl)){
  tmpi <- unlist(tmpl[i])
  tmp <- c(tmp, paste0(AbjadSeqofwordsperVerse(tmpi,
                 rev_=F, rmHamza_ = RmHamza,
                 abjadL_=abjadL, abjadN_=abjadN2),
                        collapse = "" ))
}


tmp1 <- paste0(y$chapter,y$verse,y$vwords, tmp)
if(length(j) >0) tmp1[j] <- paste0(y$chapter[j],y$vwords[j], tmp[j])


tmp <- tmp1[1:(ii-1)] # until iron verse
tmp <- paste0(tmp, collapse = "")
print("Testing the mod 26 for the big coding number until iron
verse:")

## [1] "Testing the mod 26 for the big coding number until iron
verse:"

as.bigz(tmp) %% 26

## Big Integer ('bigz') :
## [1] 0

print("The number of digits of the big coding number: ")

## [1] "The number of digits of the big coding number: "

print(nchar(tmp))

## [1] 546360

# mathematical property but test to double check.
tmp <- c(tmp1[1:(ii-1)],tmp131) # until iron word
tmp <- paste0(tmp, collapse = "")
print("Testing the mod 26 for the big coding number until iron word:")

## [1] "Testing the mod 26 for the big coding number until iron word:"

as.bigz(tmp) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0

print("The number of digits of this big coding number: ")

## [1] "The number of digits of this big coding number: "

print(nchar(tmp))

## [1] 546491
```

This code is based on the Great Evidence code presented in Evidence 6.1.4. The Great Evidence showed that the letters with Abjad numbers and the chapter and verse indexes and the number of words till the iron word was coded as multiple of 26. Even more it was multiple of 26x26x26, which is 17576. The probability of observing the Great Evidence is 1/(26x26x26), which is 1/17576. Since it was an extraordinary evidence, I hypothesized that it might be left as clue and if we look at from the beginning of Quran till the iron word. It turned out to be true as we witnessed above. Assuming we could also try the same coding in the numbered verses text type, we can roughly estimate the probability of observing this evidence as 2/(26x26x26x26) = 4.3e-06, which is 1 in 228488 trials.

The “546491” digits length coding number, including indexes:

“1142604013030513020084050130200810401241308404303052002130701304010501
3213020084050130200810401434013020106401304105015411012050702461101205
0604007010501631545011309020019130406040010010401799020019130700105015
0704040070301054010001020013040100080062703010540630113080013010502426
0401303051302008405013020081040211130402277003020130204001230120010280
1055410303040400100105023813070010501064050650213010001026101001040651
3090301564040120071005015401050801006502412613070010501064050650240115
0730130102064011507304050100230206213016002005540106100506502581630102
0703010541040502002540616301020540130408030865026111501307001050208020
0616061703010540115070020040054014030404005070020054030110640506502712
6004004013030570301010030625406703010604070540670301012901200540100030
0165630540707001270900104028116405013050160405010100630140501213030562
1301064013016002006401540240640501050291010600147065013030561307001050
1405061640110600470650130115080605406401103007020065021012801010030625
4040200800807145401303054020080016305407070012130104024012015061102070
0265021111617001100103030540301400806046180101301200800100130611504015
0850409030865021271301150540540130408060465063020503011030070200650213
1961700110010303054014050612040114050130501601001306115064050204011405
0130608051130115054054013060805163020503011070304065021416617001301006
1130700105014050611001306114050161700160030611301030010191050540100 1
```
```

3061150140702040150401508504060400571065021571303051060400571025406104
0454080109100010150540107040565021611163010201307001050130040020061130
8003013052130541080401200284004003120040054064012015061405400410502171
7405003054020405003013070010160400610045012001803040118001400401863057
0052130305250620054064002002054080109003040140030110290200650218690402
2040704010805403011020037065021919162090102405013060401801059003040140
0620070462200100103703065019012705408010170015054040501309061701008700
2001304064006130305408109213020180200105022025102014130220010010600980
1290120054020304011800130540403006180105617001190030407030105401001406
1630630011303053070052260407054061290120054015013030570301020303001010
0410200221121011105113050160170246120022040130700106003010020406130700
1050405010023020403070302040400400100650222231307001037030302040130120
0800802001300161306040125016150730405013060401401801600200325405013050
0402001400200710013020408030140037030613030515041416150400404007030406
5022320615020504004080102001024040150730501703010702450180140061260620
0540504050030561470613005412040405046501303051502050400409014100105022
4138015030404008070306163050400807030618014001006113050120013040010610
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1601001050227201307001050105010080065070541303054050270440105001100561
0100970650401140200130305251501069030610806046508010130120080016301020
5401306001602006502281320108040020802006502130305620504004014061400180
1810120405004010401040020405004010810102040500401301054002003706502291
9561307001060030100302040401801013012008003401070150040160400610130101
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0220303040301102051501031703080101301200800600301080510013061140037030
8010514050108060480105161060802013044016508505060282840420650100460302
0100130150101703040401301400703040650231156703040144013016040120305150
0407020080054070301013040301102058010013015021065010216040156301150205
0400409014100105023212100130616028150203017030403050113014017030404005
0115020150400130703010401308201040233231001301011440150210540216040110
5408030401150215402160401105401001301304011003030204015010170304010001
0213060401614006130120080061703040401400246506401205040040400204004065
0234136170010030501303040301102051603461301440806034611301123010601210

6160400202200620150405013020180200105023519610030501101144016020501504
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0051303003200580400206501405013090013040105023619801730540113030010915
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0010144040502002520304014008040012703010515055613040061213020081040238
1710030501152961405051340107018014011014001050204040501054108040504002
7054110803016006807030105406301540108750650239106130700105020802006162
0700261211014005011630102019081213050120054080105160013046502401410125
0101602001101030170020200615070404001013040010150704040070301020406168
0612705410168027054204061101108012005265024118614050612401150730400409
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0219306400204004061130810061504004040070304065024376110010406113090301
5614006113072015612002070614070130200120701050244101400140200650130501
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1001030305408015073050170301013070010509003040612003714050130604012401
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7050061801013012008004080604105026160617001003040040101406601030505090
2200703010970140618480147030501200220106002003305014040140050240013012
0080040502100305161005001105168064051670460516290305110013014006040024
3065013070010561450102130700105660010200152961409020018015030204040160
1304004068002002400703010540130700305613040602050562161210008002405013
0305700302021505402015061102080200650211014001303056101004003065013050
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0700105014050616130700105051461613050901200106130901210105040501405021
3030561301064013016002006704030901308180305401320054070504200254063016
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0105307030204040040010065026413500404006301040040405027047003020803063
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3054020650611002004560016010105026698037030501515020130130401210501041
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6405150130305101402002040150400700286121002005100130611400400600700501
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0501200220102105030501401306505110013015051010063015051210020059080200
1801100703065051400602001305019002001050270171001306114703050120022010
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4070650203014013030550040108200806505405027044017010030656540107030406
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4013010270800100130611400845006505402401804008130305703010204030108136

2040257050420022040180301400701003065027791630110703040650150130305107
0304040110602006506401107030506502781164050540140106503011070304065013
0204001213011401501061505401301109005065027924806103030307001050102040
0265013020400122110410540500401010063065057001405070504130305301030040
0200612550040501100301030180610303054040401204002400110410540661030305
4040401102060265028023610013061305040040605011305012001301110140140704
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9400256009101040058016301020190812130501200540801051600130465028210613
0700105014050616704030611309013081400163010201908121303505540801051600
1304650283296170016007005014010500110025010160200110103030140070246501
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6007005014010500110020403014006080206504401204063014006002003650150806
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5013004002006113081015130450101213016002005803011060080807050540130707
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0400202200400408080200101001207002400406802001010014001004003065028810
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1106405065028926630401315402040012405070504130305409041003040140705406
2015061405010023010604008040086507030101307001050208020061803040131540
4017020080612080200612580307050513030570301013020180200105029027210604
0113004002006125150806054015010208020061240115073013030521000101150105
0730130305405080800305703010405010300140507021458021612100080027030101
0008002630302018020010507070012405105029130617001100103030540140506124
0115073013030510013061506405024011507307030105016102080200650240162001
5656130810040904100130401407054010030803040400100400306501502101130305
4050100230150205040040406405010502921163010043120404066010213021050140
0500401400600700400401307033040502704561504004090013040650293276170016
0070050140105001100204062008070501806100204013096200600700614011400105
0120402100656160407061100130616040705016709010501613002002618010100306

2540130703302208020054010030210604011014020020402511040150204015020504
0040406405010502941710030150201504003020401304120013016002005705041303
0560013090540504650130501608040040506113040640015020504004090141001050
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0401050296256304003450540182009013050160703010810156405013070010501300
2002061106418454030610704020013080605056401562407878540501307070012150
1070402006130305290102002401107040306502971810030405020150704613032200
1030801505507305703010100302202170050130305409041001304012105010410565
4106230020010303040640501050298124050201507046130305640301102040056200
6030563220010306401020130801501303057046303020180200105029910630100415
0730501130102011014002105014006401102080200251130113080160100650210010
1620304017015461705415027005802001010040505402301205002005403011064050
6502101226304013154020060630405070504130305409041003040140705405027008
0200101004050130700105016400611302040012204001213030562001900562005402
0150540301107030406502102746140027061401400400306130300101910507030104
0302060301040150640120802006030104015063020501303001019105020802006110
7030406501305016013060820064011507307030101304030201050221230512006400
6401200640064011070304015040501848400101010063011504015085080400505803
0140020802008010400703040650405054014011080200100650252105013040200676
3564015402800120010502540501841301217005013030561040070304065040110800
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2103126306150540140506161400100613040500625405070504130305600102003062
0150611070304065021041310111051130700105014050613014001006306120017050
1610063061150900200501616040706163030201802001050707001213010402105254
0110641307001050208020061405015301302040012630113040300200201050150105
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0605150140026001020040505116405003051130404007030401501303057030102030
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2008006401302040405046501303054050630106301509010200210818140400200104
6501504006013061200606302040204016010304066010405010023064050104002430
1302080200213011040150801004800306061130602103021093364205001020040501
5301302040012306102004650204040502704110401502040208012001860414050705
0415080605404050270440140021050305401308100801708061619080861840010101
4001013030521402005150130305703010203030010100410200211017611001040611
3090301561400611307201564014001004406130150806020404050600102004003465
7050413030515013030524014007040306502901020021111861001306130501046003
0130350513014050201505641165090120010400302014015010540100305140061220
0515020401502050400409014100105021121723010405016030406355303056564086

0508030513200570504200256301600680703010540630154010875065021133161001
3040013010564301060400130509012001070301030010610013040013050901200103
0106040013010564703010300106540104003065013020400122070030201001301307
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04”

You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

6.1.5 Iron verse centered rewriting each letter in Quran with Abjad numbers

In this evidence we have three independent codes of iron verse and they make together another great evidence as they complement each other. These three codes together suggest that full text of Quran can be rewritten around the Iron verse. Therefore, they suggest that all the letters of Quran is intact.

The common coding pattern of each of the three codes is that they are based on rewriting the Arabic text of the verses of Quran by replacing each of the letters with the Abjad

numbers as seen on the text. All the codes have *general verse indexes*, which are from 1 to 6236. This means, this code pattern is literally re-writes the verses of Quran by replacing each of the letters with Abjad numbers as seen on the text. These three codes are all around and including the verse of Iron and exist over the numbered 6236 verses of Quran. The codes are generated in the writing direction of Arabic that is from right to left.

Since the codes are too big, I will first provide the brief descriptions of each of the three code below, then I will provide the R scripts to verify the codes and then provide the big codes together in the end.

Code 1: The first code is that when we rewrite the verse of Iron (al-Hadid) as explained above, the resulting code is multiple of 26. The coding pattern is illustrated below:

Code 1 coding pattern:

> [General verse index of the Iron verse (5100) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text]

Code 2: The second code is that when we rewrite all the verses of Quran from the first verse until the verse of Iron (al-Hadid) as explained above, the resulting big number code is multiple of 26. Because of the mathematical property, from the beginning of Quran till the verse of Iron, including or exclusive of the verse of Iron, the big numbers of both codes are multiple of 26.

Code 2 coding pattern: The Code 2 till the Iron verse but excluding it is illustrated below.

> [General verse index of the Iron verse verse (5100-1) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] … [General verse index of verse 2 | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] [General verse index of verse 1 | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text]

The Code 2 till the Iron verse and including it is illustrated below.

> [General verse index of the Iron verse verse (5100) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] … [General verse index of verse 2 | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] [General verse index of verse 1 | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text]

Code 3: The third code is that when we rewrite all the verses of Quran from the verse of Iron (al-Hadid) till the end of Quran as explained above, the resulting big number code is

multiple of 26. Because of the mathematical property, from or after the verse of Iron, including or exclusive of the verse of Iron, till the end of Quran, the big numbers of both codes are multiple of 26. Therefore, in the below coding pattern illustration, I will first provide the main code from the first verse of Quran till the last verse, which cover all the 6236 numbered verses. I will then also provide the shorter code from the Iron verse till the end of Quran and I will provide the big number of the shorter code to save some space in the book. Because, when we concatenate in the order as Code 2, Code 1 and shorter version of Code 3, then one can obtain the bigger code of the Code 3 in case readers would like to use that big number and test it.

Code 3 coding pattern:

I will first provide the coding pattern of the main code of the Code 3 and the the shorter code instead as well.

The coding pattern from first verse till the last verse of the 6236 numbered verses:

> [General verse index of the last verse (6236) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] [General verse index of verse (6235) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] … [General verse index of the second verse (2) | Abjad value of each letter in the verse 2 replaced at the place of the letters on the written text] [General verse index of the first verse (1) | Abjad value of each letter in the verse 1 replaced at the place of the letters on the written text]

The coding pattern of the shorter code, which is from the verse after the Iron verse till the last verse of the 6236 numbered verses:

> [General verse index of the last verse (6236) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] [General verse index of verse 6235 | Abjad value of each letter in the Iron verse replaced at the place of the letters on the written text] … [General verse index of the verse after the Iron verse (5100+1) | Abjad value of each letter in the verse after Iron verse replaced at the place of the letters on the written text]

Considering the three codes described about, because of the mathematical property, it means that from beginning till the end of Quran, if we re-write Quran as described above, the big coding number is also multiple of 26. These codes suggest that there is a strong coding design over the full text of Quran based on the special strong element of universe, Iron, which is the only element given to a chapter name of Quran and also at the center chapter of Quran.

The R codes to reproduce and verify the three codes are presented in order below.

```r
x<- nQuran # 6236 numbered verses
ii <- which(x$chapter== 57 & x$verse==25)
print("The Generel Verse Index of the Iron verse in the numbered 6236
verses is: ")
```

```
## [1] "The Generel Verse Index of the Iron verse in the numbered 6236
verses is: "
```

```r
print(ii)
```

```
## [1] 5100
```

```r
#
RmHamza=T # remove Hamza characters as they do not have Abjad numbers.
j <- which(x$verse==0)
y <- x
tmpl <- str_split(x$text," ")

tmp <- c()
for(i in 1:length(tmpl)){
  tmpi <- unlist(tmpl[i])
  tmp <- c(tmp, paste0(rev(AbjadSeqofwordsperVerse(tmpi,
                rev_=T, rmHamza_ = RmHamza,
                abjadL_=abjadL, abjadN_=abjadN2)),
                       collapse = "" ) )
}
# General verse indexes added
tmp2 <- paste0(1:length(tmp), tmp)

# Code 1, Iron verse.
tmp <- tmp2[ii] # iron verse
tmp <- rev(tmp) # reverse order of verses
tmpc1 <- paste0(tmp, collapse = "")
print("Testing if the mod 26 of the Code 1 number of the iron verse is
0:")
```

```
## [1] "Testing if the mod 26 of the Code 1 number of the iron verse
is 0:"
```

```r
as.bigz(tmpc1) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
print("The number of digits of the Code 1, the iron verse: ")

## [1] "The number of digits of the Code 1, the iron verse: "

print(nchar(tmpc1))

## [1] 236

###

# Code 2: Until and excluding the Iron verse. (Shorter version)

tmp <- c(tmp2[1:(ii-1)])
tmp <- rev(tmp) # reverse order of verses
tmpc2 <- paste0(tmp, collapse = "")
print("Testing if the mod 26 of the Code 2 number until and excluding
iron verse is 0:")

## [1] "Testing if the mod 26 of the Code 2 number until and excluding
iron verse is 0:"

as.bigz(tmpc2) %% 26

## Big Integer ('bigz') :
## [1] 0

print("The number of digits of the Code 2, excluding iron verse: ")

## [1] "The number of digits of the Code 2, excluding iron verse: "

print(nchar(tmpc2))

## [1] 535957

# Code 2 (longer version): Until and including the Iron verse (With
Iron verse also works by the mathematical property).
tmp <- c(tmp2[1:(ii)])
tmp <- rev(tmp) # reverse order of verses
tmp <- paste0(tmp, collapse = "")
print("Testing if the mod 26 of the Code 2 number until and including
iron verse is 0:")

## [1] "Testing if the mod 26 of the Code 2 number until and including
iron verse is 0:"
```

```r
as.bigz(tmp) %% 26

## Big Integer ('bigz') :
## [1] 0

print("The number of digits of the Code 2, including iron verse: ")

## [1] "The number of digits of the Code 2, including iron verse: "

print(nchar(tmp))

## [1] 536193

###

# Code 3 (shorter version): Until the end of Quran, from, excluding,
the Iron verse.
tmp <- c(tmp2[(ii+1):length(tmp2)])
tmp <- rev(tmp) # reverse order of verses
tmpc3 <- paste0(tmp, collapse = "")
print("Testing the mod 26 for the code 3 number till the end of Quran,
from, excluding, the Iron verse:")

## [1] "Testing the mod 26 for the code 3 number till the end of
Quran, from, excluding, the Iron verse:"

as.bigz(tmpc3) %% 26

## Big Integer ('bigz') :
## [1] 0

print("The number of digits of the code 3, excluding iron verse: ")

## [1] "The number of digits of the code 3, excluding iron verse: "

print(nchar(tmpc3))

## [1] 62040

# Code 3 (from Iron verse till end): Till the end of Quran, from,
including, the Iron verse (With Iron verse also works by the
mathematical property).
tmp <- c(tmp2[ii:length(tmp2)])
tmp <- rev(tmp) # reverse order of verses
tmp <- paste0(tmp, collapse = "")
```

```r
print("Testing the mod 26 for the code 3 number till the end of Quran, from, including, the Iron verse:")
```

```
## [1] "Testing the mod 26 for the code 3 number till the end of Quran, from, including, the Iron verse:"
```

```r
as.bigz(tmp) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
print("The number of digits of the Code 3 (longer version), including iron verse: ")
```

```
## [1] "The number of digits of the Code 3 (longer version), including iron verse: "
```

```r
print(nchar(tmp))
```

```
## [1] 62276
```

```r
# Code 3 (All Quran): Until the end of Quran, from the first verse 1 to last 6236.
# Works by the mathematical property as we take the shorter version upon the first two codes.
tmp <- tmp2 # all the Quran with general indexes.
tmp <- rev(tmp) # reverse order of verses
tmp <- paste0(tmp, collapse = "")
print("Testing if the mod 26 for the Code 3 (longer version), from verse 1 till the end of Quran (6236) is 0:")
```

```
## [1] "Testing if the mod 26 for the Code 3 (longer version), from verse 1 till the end of Quran (6236) is 0:"
```

```r
as.bigz(tmp) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
print("The number of digits of the Code 3 (all Quran): ")
```

```
## [1] "The number of digits of the Code 3 (all Quran): "
```

```r
print(nchar(tmp))
```

```
## [1] 598233
```

As we witnessed above, all the three codes are multiple of 26. We also further provided validation for the longer versions of the codes that must also be multiple of 26 by the mathematical property. Since we could also test these 3 codes in the text type of all 6348 verses, the probability of witnessing this evidence with the three codes might be estimated as 2/(26x26x26) = 2/17576, which is 1 in 8788 trials. Below, I will provide the big numbers of each of the code as sub-chapters for easy access to them for testing.

You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

6.1.5.1 Code 1 big number

The Code 1 number of the iron verse is printed here. The “236” digits length coding number of the Code 1 of the Evidence 6.1.5:

“5100710770106100530301501210100030125306020065200905010504053030140307010306601503030708015040641043006012510804104830115030750169601003012601503014061001030501710403016214002030140570401503075016400150102301215030602001503060200141003 0”

You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

6.1.5.2 Code 2 big number

The Code 2 number until and excluding iron verse is printed here. The “535957” digits length coding number of the Code 2 of the Evidence 6.1.5:

“5099410408301105010003016553030150180306400105040630600230126015030150620040110650630600210501070030150982006600803014006004030202810130530301640201400114021682008040013064020400180140103070166014001301020305097200106010530301103070203070050115120025050130210050402140020108013014020608050110801306800200130110805210904050402190114050964010900703013080080301670053030161300105040510400610530301308008020307005306020065303012165040150107003030400470180020013016140603018002007020158002007055036402022005040520080100040103011610021605095200620010003017014004013011105043015110830114065016800200653030150405200801000406410430021700705200600130110806140198506201040500120080904051200400803105104050054001250200180203012370150010100030500402041306130163016401301108020050012040064020501022006001804006550107665306270301105043015110830114050116403070150944010833012189012010306115040011012162700206162008020501070030164052006506405200314053040522004507014530030165061001049030140520103061530602006530301216504015010700301650934010200202003140530640530807 0

1800101506081800200100530301168002001001640011004904030165010100490403
0150150925063010070400402030703040011013014020301501024100154006404702
8002001301101081053030150116403070150915061006018040550402001050020640
5263010040060100804401301405103070301980302100504021400203011640061501
0700301201650620101306100830150403075014065303012002070030405263010070
3006004005011650401501070030305011040301509020010904030160102640201306
4010520015030140201614016200802050107003015040130651048040205040700600
6101304061030180508920062001000301530301240202001000653030120040113104
0081050140130140204002001000640400240020016404009022004006402060805014
0400504008040205020306103021630110040207040502050403014055064150105088
2170070301530210050405200519006540820030151080550912212530200660240550
1022200800801200650166040400301804020120061670320013010100402020065050
4060240010050150620090050116504015010700303040011008015040301650610080
1504030130610010406105087401090070301768030165203070015108050104301600
2001550130115400840050401020034004001503406103014020120030024055014010
1264051041015010240520065010706010400150406403016501050406403011020040
0406105086401020020200315306530580701800108015060818002001005303018002
0010010107003011700504050852001026005063040704001402530301610506083015
3030147061302061630400110064702504016100805015010700301504053200440900
7012010306130400110068400803013021005040100805015040402050401064006010
1308002001301640016140603015001200104053030653030130102601080161008050
4001301402030140650844010820080620030402025303015016200650301103014001
4030900301504040203200600103040015010240011015427010307030750101070030
1655083501050406404040050205014020100150010407006001410064020220021650
4064003040206704103066020030165303012506504064001304020301406508220010
2202003140530161008050164020504016504015010700301805108050108030600400
6040402030703140401610080501653066020065303012165040150812006490301400
1700240103070656301030301108020015503013306106200155030110803010303013
3061050802006401301703200400530301103016800200130164001614060301203040
5305079200109025063040704001402530301640400502014050101402070406561510
8032007010140614060301504030750101406155040320060010140680020013011080
3301014040307010300200703011030701064006014050040110154006010808002001
3016400161406030110030600107003016550784010307010300302026565091230162
0051900301620060013016306130165507720010410010300302010307065640010401
0610108108002001301640016140603012030405305076401020830171077030165680
0200130164001614060301108014053030826050754010900703012022004060128260
8050745010100103011008653017005501507340108351030904006507240104085040
3075080507150103018003015010270020403015040501205011401650705010401030
1218901504020304013060805069501040103012189015040501205011401650684010
7050400503650181020068620080506750102200100403015040501205011401805066

5010100419040400502050115506703200400506550105010440200101000404005020
5011306308050645062009024001305020306402050405103012200100150850650635
0620090050400700105010840400501650624061003083014001000302170011306308
0506150627002040040205014020100720050630703400650605065054404040050150
0104830117005280150595010403017030122005040301075040050585062005940301
1301560401013050575065020402140020108050564010200205012001003055015055
4010900705064030704006304060100305501650544063503017010016402406010011
3080505340109007030120220040601282608050525010610040303017014004065200
2070040015150307035085050515061030050403015085040115400200330040400130
0501404005011505050620064001040030120015030140400101200801504950620020
3004001306308013131515030703130050630504850630750403015085040150740301
5040564040030750140400501150475062200300400107003011403014040010120080
1504650640620084050850302504550640200100040301501504450652080400404003
0900801401985150307033013005063050435067020017301508504015506702007400
4040050115042506500200840014040400101200801504150620020700400130630801
0306130151300503014040040307041003065040506403070400130140108040201030
0505064020301500401304250501103070503950101006260402508501406400640301
4020501021502004100508505038506100301600301508504015506100306004004040
0501150375065040400140404001012008015036506100490400130630804020150100
3060050850503550104301406104053075017005503440105301220030050622001300
8050334010408301504051030705062200130080503250692301155040506103014080
5031406100750402003300504050630201305030506270020403015063018003011510
1402050140500502940630704040610400110010401030150670640340305028501020
0600130165010306130150130100502750630613011506121615026506500670240301
5011140190070612120040015020615040040170010150630610010165012065025401
0900703015005083011030705062009010165012065024501080200400402030700302
1001650120405501502340102002013064200121305022406408105040309006502140
1040864064060108050203014030030121890114030140300301218901650195010200
6001301504053050065018501030613015040530500501750104010301218901305016
1212004001122007050151200120215051503070380501413005015051501300501150
1501357068020040300200806501257065040401306570691004013050115200105002
0552018065010262060401406500946440403090065008468005040830965007468006
0040200460108050065010401030121890114050104010301218901650051401306014
0130601301010013015004140105001400130616100030151080506704060101305003
5063040701016501201402173500250650204030163063030130150040120500150107
0200686500050654003001014040200109408306499950620010600400101404055201
8064998506807501013061550705067049010130499750107040504060120610010200
1216216201249965064306004050143064051030708069104995501030211004004015
1030705010102040040499455068006402002006010307049935010200600130150403
0103010064992501030613015040530500499140107050301400150310804990506220

0100403012010306149895061002160301506100216030164988540130040301218901
1405401300403012189016498755040104030121890114055040104030121890180498
6550013050013167140400502064985150025040125400501208049841602301233014
0060264983132008002001301400320017001498257080120058008016004981527001
2015400701006306010304980570100163014007010061700149794012002013016301
3033011070020220040601202001240049785012700204001402022001301101280497
7501608102001002706200800600802008020010307050101020400404976501270020
4001402022001301101280497550131306405302100605015055004091040304974501
2700204001402022001301101280497340110600301108040012006901004020068497
2501270020400140202200130110128049715016084001200106005051080497050127
0020400140202200130110128049695014020063060050655201801405108049685012
7002040014020220013011012804967501400600180050501501070140510804966501
2700204001402022001301101280496550140040154404964501270020400140202200
1301101280496350140050314055064504064962501270020400140202200130110128
0496150160813011301501608130117330549605012700204001402022001301101280
4959501320040301640061001103015055012049585012700204001402022001301101
2804957501313064053021006050150550040910403080200930140012009011005051
0804956501270020400140202200130110128049555014501040050330110503610020
0240060150401550101923002008010307050101020400404954501270020400140202
2001301101280495350136755201803020504014051080495250127002040014020220
0130110128049515011020034005015010701405108049505012700204001402022001
3011012804949501508011400167004948501270020400140202200130110128049475
0140050352200401100408016005040306494650127002040014020220013011012804
9455014010408501026155010250680691049445064020034030115227002010104003
0140505357005494350127002040014020220013011012804942401410013016109016
5030127006006108040514010602506402003403018020070104941501270020400140
2022001301101280494050131306605015250700507030160101307001040610804939
5012700204001402022001301101280493850154301205420064005012080140603014
0010030050117001804937501270020400140202200130110128049365012009040050
4001308060185062001505040900163001402010307030602001049355012700204001
4020220013011012804934501930602130150670080504001301670080501808002001
3016400161406030120019100150401670080504005014040070940060150160501301
6503301200300704011049335012700204001402022001301101280493250130100500
3015101402030100020080506049315012700204001402022001301101280493050130
0108065406103020800200130164001614060301108050405301601049295012700204
0014020220013011012804928401200201301630130330167002022005361010021064
9275018015103070504030204926501270020400140202200130110128049254013070
1301202008230110804001300504030120016330153064924501270020400140202200
1301101280492350132004030166306303011405504032006001049225012700204001
4020220013011012804921501101000210130600720021405501024920501101004003

0105010200823013200404919501270020400140202200130110128049185010220010
0040301220065010100200300403012200491750127002040014020220013011012804
9162001505040320014050405013301100306006491520016008030120301903090504
0501605013011003060049145012700204001402022001301101280491350181020030
1680907030167002830164912401402013014001700306005030165520180151080491
1401501303015708006800200130164910501710403011620060600400130696010030
1250763011640101001649095017104030110801610009400130149085017104030170
8006615708020014060301649075014360102003300301640350301649065012608220
0401003016604030030149055011023015403070490450160501301100306004903501
2001003014030704902504082003014901200440010040201030404507010049047010
0401080490020055064001503108050101004004030150148992009400604020010220
6200101000903020648982002730110805630708010300302064897200204405040305
8040207011030011502030514100306489620090230128403020548161301150200401
1406489520041002515010030600103003020150148942001006060401610067004055
6361030702001503011080506286010406104893200706063013080010805010402003
4030150148922004016105415701603016405470640570160301302489120024301506
3061067040330140751060489020090400504070104035085050630610010401488920
0273011080512002402030401402010306150402001060040202001802014888200440
0100407107770700600140515070060018015302015040011012162700204887200700 5
0301506702008030113410030648862002044050403058020020700303050120010030
1150200601041003064885200700506102170070161006700804884200100400604021
7007052002024058290410030648832007005061021700701610067008040550107011
5060409805801080050705646120041003064882200700503012162001404008015040
0300924052007005014100306488120020300504010735020307002015045070504054
0705048802008602405150103509630301130112901840510307015030602001150148
7920070050301296304061004002700204878200204405040305802002070030305012
0010030115020060104100306487720090040084030140103005201650120805481658
1090405103070150306020011501487620070050610217007050120801020804875200
1007080109170400804052819016415080487420080040084022003003020405501025
4060100140301501405102506487320029901640521004002001804053055040080510
0150301630602004015014872200300130121700203015040141000506403070106048
7120030012170020653021505010250405103070200207003011010030114870200706
0630130800108030170011501570240050148161504012003002116301100804869200
7005030124640500400270020486820020440504030580200207003030501200100301
1502006010410030648672007005061021700705012080102080486620070100504030
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You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

6.1.5.3 Code 3 big number

The Code 3 number till the end of Quran, from, excluding, the Iron verse is presented here. The “62040” digits length coding number of the Code 1 of the Evidence 6.1.5:

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5023010001305303012400205124501030700130110802010306153066020065303015
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4908055034055014010116700600400151195063040701016501201401604055011410
4300121700704053053030147015118506403070104056270020301103070506803081
0640550401306402050404051404051030705303012800100014061001630640050107
0030110301200400403015117506304070400140220010260053030165306602006530
3011670109165120730116400165130903011640101001804020103070530301214006
1630708040040307001804001100490402016350104105010216404100400501404001
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0200106002030700510049040201635010410501021640410080306602003014040010
3150170011650401501070030115101110511520010260050630407040014025303016
4001320044030703011640061501070030164020504016504015010700301530301708
0200101673005018016730050130101001700164020305303018608010168608018060
3013403011080168608040040203030101001700116504015010700301151011105114
5065040640301302064001030805303011030706530301507001213011101030040520
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1135062003008400510301107003015303011610040016106100400301620023012163
1504006306602003014001090704065016470301640500130121631504004001308040
4001031504001700116504015010700301151011105112200109040301601028015506
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4065016470301640500130125063150400106550701655014030506467010405001063
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3012005002011306203070050401050411306405604160651301560406001306405702
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4051016050504050620051900105010700301651062006801000680703053030150161
2006763061003015040120020504050630610010304055016405504306101013030113
0140540015401501405400154015051404051016050504040205040506200519001050
1070030151052001090270104060530301501140202006184007040601053030165303
0110301102040030040061536710802030413400104003013061005303017040604100
5104401090070301308008030167005303016130010504051040061053030141023080
0803015016530301308008050401030010307050620041001013012140020301305140
3070101301030510340108200200680100053030164020302008010001065250630040
4001200650402030307031065400408200504050103080204020400610530660200216
5040165303011610040011650401501070030115101110510250610060180405504020
0105002064052003140550401650401501070030115010400180154001017020010081
5670200140805303015016800200110004002113014051030701515024002014015670
4400215105012520065408200658012005670240015010700301263010010801503070
3630103501301515010400164010200405021106010702150108010061503060200240
5200150011030701501080100405005101506100601804055040200105002064400540
4055040802140020301656250301140540010200700108015030703640105120021618
6501503060200141003 06”

You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

6.1.6 Rewriting Quran based on 26

In the previous Evidence 6.1.5, we observed 3 codes that complemented each other. However, because of the mathematical property, concatenating the 3 codes together, would give us another code that represent rewriting Quran with Abjad numbers. I had observed the Code 3 (full text version) of Evidence 6.1.5, which rewrites the full text of 6236 numbered verses of Quran based on 26. I call that code, which is multiple of 26 and represents the full text of the 6236 numbered verses of Quran as Code 1 in this current chapter (6.1.6) to track all the codes to be presented under this chapter. As I mentioned, that big code is a result of mathematical property considering the other 3 codes in Chapter 6.1.5. However, this made me question whether this particular interesting coding pattern is any special and are there other similar codes that represent rewriting the full text of Quran based on number 26 as well. I then tested the exact same coding pattern using all the 6348 verses of Quran and witnessed that the resulting big coding number is also multiple of 26. I name this new code as Code 2 of this chapter. Before explaining the other codes, I illustrate these two codes here:

Code 1: It is based on rewriting the Arabic text of the verses of Quran by replacing each of the letters with the Abjad numbers as seen on the text. The *general verse indexes*, which are from 1 to **6236**, are added at the beginning of each verse. This means, this code pattern is

literally re-writes the verses of Quran by replacing each of the letters with Abjad numbers as seen on the text. The coding pattern from first verse till the last verse of the 6236 numbered verses is as follows:

> [General verse index of the last verse (6236) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] [General verse index of verse (6235) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] … [General verse index of the second verse (2) | Abjad value of each letter in the verse 2 replaced at the place of the letters on the written text] [General verse index of the first verse (1) | Abjad value of each letter in the verse 1 replaced at the place of the letters on the written text]

Code 2: It is same as Code 1 but in all the 6348 verses of Quran. The coding pattern from first verse till the last verse of the 6348 verses is as follows:

> [General verse index of the last verse (6348) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] [General verse index of verse (6347) | Abjad value of each letter in the Iron verse replaced at the place of the letter on the written text] … [General verse index of the second verse (2) | Abjad value of each letter in the verse 2 replaced at the place of the letters on the written text] [General verse index of the first verse (1) | Abjad value of each letter in the verse 1 replaced at the place of the letters on the written text]

This pattern is further interesting if we write the Abjad numbers in a verse in normal order (left to right) instead of the written text order from right to left as in Arabic. If we generate that version of this pattern, then the resulting big number is still multiple of 26. Moreover, with such pattern, if we look at the part of the code that covers from verse 1 till the Iron verse (inclusive), that code is also multiple of 26.

Code 3: It is similar to Code 1 but instead of Abjad sequence, we used Abjad value of each word. Abjad value of a word is calculated by summing the abjad numbers of each letter in a word. The coding pattern from first verse till the last verse of the 6236 numbered verses is as follows:

> [General verse index of the last verse (6236) | Abjad value of each word in the verse replaced at the place of the word on the written text] [General verse index of verse (6235) | AAbjad value of each word in the verse replaced at the place of the word on the written text] … [General verse index of the second verse (2) | Abjad value of each word in the verse replaced at the place of the word on the written text] [General verse index of the first verse (1) | Abjad value of each word in the verse replaced at the place of the word on the written text]

This code, which is based on Abjad values of each word, is further interesting because if we write the code from the opposite direction, it is still multiple of 26 Namely, in both directions, this big code is multiple of 26. Moreover, in this opposite direction, if we take the part of the code from first verse till the Iron verse (inclusive), it is also multiple of 26.

Over all, with the general verse index and in the writing order (right to left as in Arabic) of the letters, words and verses, we observed 3 rewriting coding multiple of 26 out of 4 possible cases. Binomial test shows that such an event has the probability of around 1 in 4500 Here is the probability calculation of it:

```
tmp <-binom.test(3, 4,p = 1/26,alternative = c("greater"))
# tmp$p.value # 0.0002210182

tmp1 <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", 3,
            "successes out of", 4 ,
            "(with p=1/26) is:", tmp1))

## [1] "The probability of 3 successes out of 4 (with p=1/26) is:
2.21e-04"
```

I will not include the successes of this evidence to the overall probability of this book to keep its final probability more conservative.

The R codes to reproduce and verify the three codes are presented in order below.

```
tmpfunction <- function(x){
ii <- which(x$chapter== 57 & x$verse==25)
RmHamza=T # remove Hamza characters as they do not have Abjad numbers.
tmpl <- str_split(x$text," ")
tmp <- c()
for(i in 1:length(tmpl)){
  tmpi <- unlist(tmpl[i])
  tmp <- c(tmp, paste0(rev(AbjadSeqofwordsperVerse(tmpi,
                rev_=T, rmHamza_ = RmHamza,
                abjadL_=abjadL, abjadN_=abjadN2)),
                       collapse = "" ) )
}
# General verse indexes added
tmp2 <- paste0(1:length(tmp), tmp)
return(tmp2)
}
```

```r
# Code 1 (6236 verses Quran): From the first verse 1 to last verse.
tmp <- tmpfunction(nQuran) # all the Quran with 6236 general indexes.
tmp <- rev(tmp) # reverse order of verses (as in Arabic text)
tmp <- paste0(tmp, collapse = "")
print("Testing if the mod 26 for the Code 1, from verse 1 till the end
of Quran (6236) is 0:")
```

```
## [1] "Testing if the mod 26 for the Code 1, from verse 1 till the
end of Quran (6236) is 0:"
```

```r
as.bigz(tmp) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
print("The number of digits of the Code 1 (in all 6236 verses of
Quran): ")
```

```
## [1] "The number of digits of the Code 1 (in all 6236 verses of
Quran): "
```

```r
print(nchar(tmp))
```

```
## [1] 598233
```

```r
tmp1 <- tmp # print tmp1
###

# Code 2 (All 6348 verses Quran): From the first verse 1 to last
verse.
tmp <- tmpfunction(unQuran) # all the Quran with 6348 general indexes.
tmp <- rev(tmp) # reverse order of verses (as in Arabic text)
tmp <- paste0(tmp, collapse = "")
print("Testing if the mod 26 for the Code 2, from verse 1 till the end
of Quran (6348) is 0:")
```

```
## [1] "Testing if the mod 26 for the Code 2, from verse 1 till the
end of Quran (6348) is 0:"
```

```r
as.bigz(tmp) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
print("The number of digits of the Code 1 (in all 6348 verses of
Quran): ")
```

```
## [1] "The number of digits of the Code 1 (in all 6348 verses of
Quran): "
```

```r
print(nchar(tmp))
```

```
## [1] 602377
```

```r
tmp2 <- tmp # print tmp2
###

# Code 3 (All 6236 verses Quran): From the first verse 1 to last
verse.
x<- nQuran
ii <- which(x$chapter== 57 & x$verse==25)
RmHamza=T # remove Hamza characters as they do not have Abjad numbers.
tmpl <- tokenize_words(x$text)
tmp <- c()
for(i in 1:length(tmpl)){
  tmpi <- unlist(tmpl[i])
  tmp <- c(tmp, paste0(rev(AbjadSeqofaWordSumValue(tmpi, rmHamza_ =
RmHamza,
                                                    abjadL_=abjadL,
abjadN_=abjadN2)),
                       collapse = "" ) )
}
# General verse indexes added
tmp <- paste0(1:length(tmp), tmp)
tmp <- rev(tmp) # reverse order of verses (as in Arabic text)
tmp <- paste0(tmp, collapse = "")
print("Testing if the mod 26 for the Code 3, from verse 1 till the end
of Quran (6236) is 0:")
```

```
## [1] "Testing if the mod 26 for the Code 3, from verse 1 till the
end of Quran (6236) is 0:"
```

```r
as.bigz(tmp) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
print("The number of digits of the Code 3 (in all 6236 verses of
Quran): ")

## [1] "The number of digits of the Code 3 (in all 6236 verses of
Quran): "

print(nchar(tmp))

## [1] 230585

tmp3 <- tmp
```

6.1.6.1 Code 1 big number

The “598233” digits length coding number of the Code 1 of the Evidence 6.1.6 is printed here:

“6236601503016550330150406235601503012006490108060660610107003016234601506003016016606301200300504062336015030153016232601503012030406231601503012200270067013010062304608170014601820030050406622941007030110804001500180503012003005040662282100617001100601100020030050406622712030601402003005040622610030803012200270067013010062254811680205305020104030662244306104030643010403062234409030153030162224815303016530100622146040504030281541031080622029830153014085400120040166219253040017001200150103090106062182602014065301405507010501000114062172400625301021141040024006216121640050120550152008010004006016202200440828260806215131680153030150104108050630600410601503014001012006621484008030165303012009050131700162135010410306402050104402030621242701140506421704040050113066211404004270140421701501130662104270114050642170404005011306620950642704001404270113062085062008012030115101110301006207200400213016520105013005016206200850162022003030908062052005006203012015010970115016204506701403015067050401066203506120010405501070030162025065160405400130905070405501070030162015010309040303030106806200501020604030140170910307080081013066199401040010301704101070030120307008061985010430122700201010700301400101200161978066005040405504016706350404054070911070030161964001023011700522001642701030806195801090301614003003015308200405801301016194300102001008013010130619330620140809070204053070380619230103605040520013824051040200400619130102121120010940510307030602001661903010308004001080405410203070310403016189301080301218901220220030708080102020040040301618854440404407010806187549064040510307015501618654108013011030707030940010400301618554100640301530301200150618454098301140201200411406618354098301108050700250103013020618254306001530140501260810618154470613014070403107003016180574030574053020303010661792002903012169016400

0610083012169016400640018301903011630407061650401501070030113016178200
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0301604003040500617550101001030150107015506200400304050061744010833015
0620040030617350101001030140307050640307040063013020617250640307040080
6601302040500617150640307040080660130206170200211004030140400200710400
8616920050012040030140201530161685104018200150616751051402012004114066
1665106155401806165550107164040080600504014016616451080012005300107010
8065806163550107164040030100500504014018061623006805040301505703012030
1233015062040066161500650024030130012008030120601503015062010406106160
5702001100301140201200411406615957020011003011406158570200110030161572
0010260030700104061040524052200501615620064903011080140309086615520062
1003011080140200500702170014030701013080161544104300302001060030128305
5016615341053003020307001030705501661524650203052200305016050130150161
5117040352509606806150170100505250200500180614918290400120010100040301
8061481841004001102006403018061471828004001104170301661465200101200300
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5507053030110800200142115108050104301600200155013011540084005040102003
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1510805010430160040505320015010805010202003004030162140020301305150401
6200802050107003015016135540101003015010420307006512073011640061065130
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0130403013075040061282005300803015040200106002004100301530103061272004
1003015301030140201200411406612620041003015301030108051503075011501612
5220040010016436016570940013013020612451050127301704506061235104150704
1030806122510916005270012051090150612151090150301217080605030540050104
0305010301302061201020010530301501240307010403016119103064006270020501
4001012001611810610040030122004016161171045301103070501205014001012001
6116103090170011427061151055010107003014001012001611410703200301202200
1030150161131050100040060151200501611210100091030501605013015011302061
1140307010403014050160501301403070611040301003012403070107003016109402

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You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

6.1.6.2 Code 2 big number

The “602377” digits length coding number of the Code 2 of the Evidence 6.1.6 is printed here:

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You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

6.1.6.3 Code 3 big number

The “230585” digits length coding number of the Code 3 of the Evidence 6.1.6 is printed here:

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810117436511741953131134146138623138901032852818181322281155191201103428011611570707672441032909773766307905165758711250140104131575952958142421831003261181116631707663067843132902119777911102197514074112101379777911166524913768190133022149683664812057505189613734671064218170764103623678106102747418414229057143121170145111217010176397619050676906835406216064972971841213662604185014680116115707076128944011561704832731249081079025161827341495134176425114101111461118111613170760865190468454116462707599761907507690180207540581027497819013421415407533311613270757160649740631135825524162431707561020262903379096171550114776804662324063190174707554064537104961316374569614237321190120190420315751454232110137067170561441570928312621153330461022471779610167915210621103226763163325604516561124548864972515722351426985038211030464414157164495964971398737513949937486372817159142413073773013748337170712354884310447344281418791100170561441570928312621146691964528210267465735307797451314537155686111204721701910053112212496241814428944011561154834912079045620436841517800103290968090293224187957281930126401164421062905575397107033775151812059657894245113145111874139290776891310332154757516618170740916510474624114710385391012141619013171131159991511591084511131391091814517159141328114031141138382555105142104129211137110111554056133451463759631411416113150220741201147617696154909650413872510329010461166222131707361503105217508132202132414775401241032904190730741113572946540985405205401604495166875611034948456710329021613651766241412516567690667910167913333232784047731735731784057170866206742282307791482479013956286987911221921218834157110125149831665132691965125918968174974141329035874170613830874590963149128881490613454755156115398791508314214752541412244128258858786587701313025551051666090370885759027348812711013881212905105729596497616551011190308117290788441132909453138582103290103741289561901929079779074126284142171127314310501106651345217737663014214815597170895347758029133969933335263946772477908298907979020916930828013719513290122725339311251206213024358311371906713036670749412021512525717415906152350978471049610121528979087916722181111590105474926621578108921705213842541637708921389879113770820206311061774596321779161147138142916198751407081963631106271459632182241089213810329055131751407081778878438177381104166137104018390166364723632740479879766741151984547832956892146901429614102077381131233911621511618311066104013162311395704113971556730779151122454573247901911067112224584515290884761884316279710296403871572221045162791966019952123145475087179223715518791210155561791300668133161564038126324955691328932922322026583128932966102”

You might use this big number calculator to test it yourself: goodcalculators.com/big-number-calculator/

6.1.7 Fact: Rewriting each word with Abjad numbers until and from Iron verse

In this chapter, I present two interesting codes around iron verse as *facts*.

The common coding pattern of each of the two codes is that they are based on rewriting the Arabic text of the verses of Quran by replacing the Abjad number of each word as seen on the text. Abjad number of a word is calculated by summing the Abjad numbers of each letter in a word. All the verses have *chapter and verse indexes*, which are from chapter 1 to 114 along with their special verse indexes. This means this code pattern is like rewriting the verses of Quran by replacing each of Abjad numbers of words as seen on the text. These two codes are complementing each other such that code 1 rewrites, as described, from first verse till the Iron verse (inclusive), and code 2 rewrites from the Iron verse (inclusive) till the end of Quran.

Code 1: The first code is that when we rewrite all the verses of Quran from the first verse till the verse of Iron (al-Hadid), including the Iron verse, as explained above, the resulting big number code is multiple of 26. This code is similar to the *Code 2* of Evidence 6.1.5. But, the difference is that, in that code, we observed the code pattern with Abjad sequence of letters and also with *general verse indexes*. In this Code 1, we have similar rewriting code again till the iron verse but we use Abjad numbers of words along with chapter and verse indexes and also number of words.

Code 1 coding pattern:

> [Chapter and special verse index of the Iron verse and number of words in verse | Abjad values of each word in the Iron verse replaced at the place of the words on the text] … [Chapter and special verse index of the second verse and number of words in the verse | Abjad values of each word in the Iron verse replaced at the place of the words on the text] [Chapter and special verse index of the first verse and number of words in the verse | Abjad values of each word in the Iron verse replaced at the place of the words on the text]

Code 2: The second code is that when we rewrite all the verses of Quran from the verse of Iron (inclusive) till the end of Quran as described above, the resulting big number code is multiple of 26. This code is similar to the *Code 3* of Evidence 6.1.5. But, as explained before, the difference is that, in that code, we observed the code pattern with Abjad sequence of letters and also with *general verse indexes*. In this Code 1, we have similar rewriting code again from the iron verse till end but we use Abjad numbers of words along with chapter and verse indexes and also number of words.

Code 2 coding pattern:

> [Chapter and special verse index of the last verse and number of words in the verse | Abjad values of each word in the Iron verse replaced at the place of the words on the text] [Chapter and special verse index of the verse 6235 and number of words in the verse | Abjad values of each word in the Iron verse replaced at the place of the words on the text] … [Chapter and special verse index of the Iron verse and number of words in verse | Abjad values of each word in the Iron verse replaced at the place of the words on the text]

The two codes, Code 1 and Code 2, are presented below in order.

```
x<- nQuran # 6236 numbered verses
ii <- which(x$chapter== 57 & x$verse==25)
RmHamza=T
j <- which(x$verse==0)
y <- x
tmpl <- str_split(x$text," ")

tmp <- c()
for(i in 1:length(tmpl)){
  tmpi <- unlist(tmpl[i])
      tmp <- c(tmp, paste0(
        rev(AbjadSeqofaWordSumValue(tmpi,rmHamza_ = RmHamza,
                      abjadL_=abjadL, abjadN_=abjadN2) ),
                      collapse = "" ))
}
# Chapter and verse indexes added
tmp1 <- paste0(y$chapter,y$verse,y$vwords, tmp)

# Code 1: Till, including, the Iron verse.
tmp <- c(tmp1[1:(ii)])
tmp <- rev(tmp) # reverse order of verses
tmpc1 <- paste0(tmp, collapse = "")
print("Testing the mod 26 for the code 1 number until, including, iron
verse:")

## [1] "Testing the mod 26 for the code 1 number until, including,
iron verse:"

as.bigz(tmpc1) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
print("The number of digits of the code 2, including iron verse: ")
```

```
## [1] "The number of digits of the code 2, including iron verse: "
```

```r
print(nchar(tmpc1))
```

```
## [1] 213824
```

```r
print("Fact: The number of digits of the code 2, including iron verse,
is also multiple of 26 as tested here: ")
```

```
## [1] "Fact: The number of digits of the code 2, including iron
verse, is also multiple of 26 as tested here: "
```

```r
as.bigz(nchar(tmpc1)) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
# Code 2: Till the end of Quran, from, including, the Iron verse.
tmp <- c(tmp1[ii:length(tmp1)])
tmp <- rev(tmp) # reverse order of verses
tmpc2 <- paste0(tmp, collapse = "")
print("Testing the mod 26 for the code 2 number till the end of Quran,
from, including, the Iron verse:")
```

```
## [1] "Testing the mod 26 for the code 2 number till the end of
Quran, from, including, the Iron verse:"
```

```r
as.bigz(tmpc2) %% 26
```

```
## Big Integer ('bigz') :
## [1] 0
```

```r
print("The number of digits of the code 2, including iron verse: ")
```

```
## [1] "The number of digits of the code 2, including iron verse: "
```

```r
print(nchar(tmpc2))
```

```
## [1] 26256
```

6.1.8 Additional Facts on Iron and Quran

I will present some other additional facts in this chapter. I do not consider them as evidence but provide them here for further discussions.

Fact 1:

First code as a fact is such that, If we replace each letter with its corresponding Abjad number until the word iron and then this text representation number is concatenated with the chapter and verse index, without the number of words and in reverse order, then the resulting number is also multiple of 19 as follows:

```
x<- unQuran
tmpl <- str_split(x$text," ")
i<- 5155 # General verse index in 6348 for verse 57:25, the hadid
verse.
tmpi <- unlist(tmpl[i])
tmp <- AbjadSeqofwordsperVerse(tmpi[1:13], rev_ = T)
tmpr <- rev(tmp)
tmpr <- paste0(tmpr, collapse = "")
# Concatenate 5725 and the Abjad numbers of 76 letters:
tmpr <- paste0(5725,tmpr)
print("The 129 digits length coding number: ")

## [1] "The 129 digits length coding number: "

print(tmpr)

## [1]
"57254104830115030750169601003012601503014061001030501710403016214002 0
30140570401503075016400150102301215030602001503060200141003 0"

# Test the 129 digits length number for mod 26 and see if 0.
as.bigz(tmpr) %% 26

## Big Integer ('bigz') :
## [1] 0

print("The number of digits of the big coding number: ")

## [1] "The number of digits of the big coding number: "

print(nchar(tmpr))

## [1] 129
```

Fact 2, The isotopes of iron:

These are the 4 isotopes of iron: 54Fe, 56Fe, 57Fe and 58Fe. When the 4 of the isotopes of iron are concatenated in natural order, from low to high, we get this representation coding number:

54565758

This big number is multiple of 26, multiple of 19, multiple of 114 and also multiple of 19x26.

```
tmp <- "54565758"
as.bigz(tmp) %% (26*19)

## Big Integer ('bigz') :
## [1] 0
```

6.2 Codes on the Basmala verse

I will present some interesting 19 based codes as **facts** about the special verse, Basmala, in the sections of this chapter. I excluded this chapter from the probability calculations of the general system in this book as I currently designated those codes as **facts** rather than evidences. So, one should not consider them as part of the general system presented in this book but consider them as interesting codes as *facts* about the Basmala verse only.

The key verse Basmala is written at the beginning of all the 113 chapters but Chapter 9 out of the 114 (19x6) chapters of Quran. No one really knows exactly, why there is no Basmala verse in the beginning of Chapter 9 out of all the 114 chapters. But the text structure of Quran has this odd and unique situation and after witnessing all the evidences so far, I conclude that this might be another sign of the unique design of the text of Quran. Because, otherwise almost all the evidences would collapse. Considering the many evidences I presented so far, we now know that it is required such that there must be no Basmala at the beginning of Chapter 9 as otherwise most of the presented 19 based system evidences of the text of Quran, presented in this book, would most probably be invalid. This odd situation of the absence of Basmala verse at the beginning of Chapter 9 further assures that the 19 based coding system design of the full text of Quran.

Basmala has many 19 based coding proposals already known about it in the literature. In this chapter, I will present new codes that I realized myself while working on this book and did not see anywhere else. So, all the Basmala codes within this book are first time presented to the literature in this book to the best of my knowledge.

Since the main point of this book is to present reproducible 19 based codings of the text of Quran, let's get the Basmala verse first from the text. I presented all the unique words of Quran in Table 3.1 in Chapter 3.1.5.1. Let's see the head of this table again. Because the Chapter 1 and Verse 1 is Basmala verse already from which we can get this special Basmala verse and its four words along with their word frequencies in Quran.

```
require(tm)
knitr::kable(head(uwordsTable), booktabs = TRUE,
  caption = 'Table head of the unique words of Quran.')
```

Table 6.1: Table head of the unique words of Quran.

uwords	count	countW	uletters
من	2763	2763	2
الله	2153	2265	4
في	1185	1185	2
ما	1010	1010	2
إن	966	966	2
لا	812	812	2

As we see in the above table, the first four rows of the table contains the four words of Basmala. Three of them are the different names of God ("Allah" (or God), "the Gracious", "the Compassionate") and the first word ("In the name of") refers to them as "In the name of God, the Gracious, the Compassionate". Basmala is a very special verse and unique regarding all the other verses. It is the first verse of Quran as if it is the opening or key. Before starting to recite any chapter, Muslims first recite Basmala verse as the opening. Let's introduce the first evidence on Basmala verse.

Basmala words frequency table:

Although Basmala is a very short verse with only 4 words, there are many 19 based codings on just Basmala verse that are already known, such as the number of its letters is 19. In this chapter, I will first present the one about the frequency of its words in the full text of Quran, which I discovered while writing this book. Let's first slice a separate table on just Basmala from the above Table 6.1

```
B <- BasmalaTable
summ <- c(sum(B$count), sum(B$countW), sum(B$uletters))
```

```r
knitr::kable(BasmalaTable, booktabs = TRUE,
  caption = 'Table of the unique words of Basmala verses in Quran.')
```

Table 6.2: Table of the unique words of Basmala verses in Quran.

uwords	count	countW	uletters
الله	2153	2265	4
الرحمن	45	157	6
الرحيم	34	146	6
بسم	3	115	3

```r
cat("The sum of each of the first three columns:")

## The sum of each of the first three columns:

cat(t(as.data.frame(summ)))

## 2235 2683 19
```

Before going further, let's just mention one of the test results from the table for one of the very well known evidence on Basmala verse. Basmala verse has 19 letters as we see in the sum of the fourth column that shows the sum of the letters of each words in Basmala.

6.2.1 Fact: Cumulative number of letters and indexes from Basmala verse

In this coding pattern, the number of letters of each word of the Basmala verse is cumulatively summed and word indexes are placed before each word and all are concatenated as follows:

```r
# Define a function to be used for this coding pattern:
# It concatenates cumulative numbers and indexes of each word.
cumsumWtIndx <- function(a){
  # usage:
  # Example input: a <- c(8,7,2,3)
  # cumsumWtIndx(a)
  # output: "18"  "215" "317" "420"
  cumulative_sum <- cumsum(a)
  index <- 1:length(a)
  b <- paste0(index,cumulative_sum)
  return(b)
}
```

```r
### Start coding
x<- nQuran # 6236 verses
tmpl <- str_split(x$text," ")
tmp <- c()
for(i in 1:length(tmpl)){
  tmpi <- unlist(tmpl[i])
  tmp <- c(tmp,paste0(cumsumWtIndx(nchar(tmpi)), collapse =""))
}

print("The coded number of Basmala verse: ")

## [1] "The coded number of Basmala verse: "

# First verse is Basmala and should be: "1327313419"
print(tmp[1])

## [1] "1327313419"

print("Test for mod 19 to see if zero: ")

## [1] "Test for mod 19 to see if zero: "

as.bigz(tmp[1]) %% 19

## Big Integer ('bigz') :
## [1] 0
```

In the coded number of Basmala, note that the first 1 is the index of the first word and the following 3 is the number of letters of the first word of Basmala, which is *Bsm*. You can follow the rest yourself from this example.

This coding pattern was shown to exist over the Basmala verse by Abdullah Arık in his book "Beyond Probability" (2012). Since this code does not include any data manipulation, I took this particular one seriously and tested it over the full text of Quran. I observed that this coding pattern is multiple of 19 in the full text of Quran (6236 numbered verses) too. I considered this as potential key coding pattern and tested over the full text of Quran (6236 numbered verses) and found that the same coding pattern also exist in the full text of Quran considering all the 6236 numbered verses. However, since there are not much similar codes, I consider it as a fact rather than an evidence.Here is the proof of this code being multiple of 19 in the full text of Quran of 6236 numbered verses:

```r
print("Coded initial verses of Quran: ")
```

```
## [1] "Coded initial verses of Quran: "

print(head(tmp) )

## [1] "1327313419" "1528310418" "16212"      "1427312"
"1428313419"
## [6] "15211319"

print("Coded last verses of Quran: ")

## [1] "Coded last verses of Quran: "

print(tail(tmp))

## [1] "122639414"     "1328"          "1328"          "1224311417"
## [5] "1429311415520" "1227313"

tmp <- paste0(tmp, collapse = "")
print("The number of digits of the coded number of 6236 verses:")

## [1] "The number of digits of the coded number of 6236 verses:"

print(nchar(tmp))

## [1] 259820

print("Test for mod 19 to see if zero: ")

## [1] "Test for mod 19 to see if zero: "

as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

Here is the 259820 digits length big number:

“1327313419152831041816212142731214283134191521131914293144195226297348379441313293114145176207271521131742453063474184716212315419523626730832936104411461252152831141351762372583312273124165216297318339391041114713273104165206257298369411045114912531328310414518623730835938104011471721131742252563173484094310491228311417521625729833937104011451251142731041251862072583093410371143132739417521623729142731041551862172683193610391142124913521456155816651769187119771428313418523627731835938104611511254135814621565167314210313419521628734152103164235296327368439461051115715293134195236277328349381041114512511357145915641666177 2

1225384115136191226384145176227268309361043114512511353146015631668177
3187719861429313420524628731835938104211461251135614591562166617701876
1984208621902293239524982510212263114175216257308369381043114812531427
3104155206277318369381044114712521354145615631667177018731979208221882
2932399132739412515620723828933103811401244135014571559166217661868197
2207813253114145206267318359411046115412581366142931442052863073383794
1104311481255135914641568167017741878198320862190229523972410025105261
0727114281182912230127311323213533139341451226384145166207248269311034
1139124313481453156016631767186919732077218222872394249825102261062711
0281142911730119311243212933131341363513936142371443814739155152113144
1852062372983693810411145124713491453156016621767187219742082132931441
9525632734840942104811501254136012263941251461672182692810331136124213
4814511557166017631866197013263941752062472683193610411146125013521456
1560166517711875197920842189229123942497251012610327105281111427314418
5206257288369401047115312581360146415701521131341651962272483093310361
1421248132538414522626732840943104611491252135514591562167017761881198
3208821912295231011327315421525631734839942104911531255136315273104145
1762272783193510391142124713501455155816641770187219801721431842652963
3736841947105211561259136314651570167517801883198615283104135186227268
2993110371143142103144195236307338369391042114612491352145715601662176
8162113174245296347398419451051122531241852362773283794310481151125713
6214691629314419522626729835938104211441247135314591563166817731879132
9313420527631736842172133184245316337411721231742352963473984594910551
9215322427533636739847152103144195236287328381225312418523627732837941
1047115012581621031241651962172482893110351139124413471451155516581761
1863196913210312414519627730836942104911571263136614701574167617801884
1328311416525632734839944105013293134195236257318369381042114712531227
3114135166197248301328312418526631737132631041551762072482993510431148
1254135714631570167617801883198620892195229923104241072510926115271211
3273941351561972182492710311135124213491454156012293114145196247301621
1317424529633740844946105111531260136314691573167817841890132731341652
2627731834938104211491254135814641567167117741881198720951429314418521
6257288319381041114612511355145715631666177118771329313418523627732837
9441047115212561360146215651667177118771981208821902293239724100251052
6107271122811813273941351561972282693010341137124013441447155016541759
1861196620732179228523912494251032610727109281132911830120311233212933
1333413635139361413714638151391564016141169421754317944181451854618847
1934819849204502095121352220532275423155235562385724158245592516025712
2731241852363174084294510501156126113651470157416791782188619892092219
7221002310224108132831542152663173583794410481155125713601465157012283

1041351662172482893310391144124613541429314420524626731836939104411481
2541821331641952462773283894513263104155176217278299351039114412511355
1458156216671769187319752083152831141451862172382592810311135123913431
4451549165217551859196220652172227423801528311414518621723828931103411
3812421346145115551660176318711528311414518621723825927103211371242134
6144815511655176213263104145186207248289331036114012451350145215551659
1764186819712076218322862391249713283124205246297338359391045152113174
2152562973584194610511157122531141351661972283093210351139124213441451
1554165917621869197220762179228323882491259626992710328106291103011231
1163212033123341273513236135371411821031641952262572983393910431147124
9135614581561166317681871197714283134185236277318349391042114512501359
1462156516691774188219842087219122952310114210312416520622727830936152
1031241852462773283593710401145142931542152863073683994110441148125513
5714611566167017731876198020862190229323962410216283134185216267328349
4010431147125113541458156216661768187419772081218322852391132538412518
6207268329371042114412481354162113174255306357408429461052132831341652
3625731834938104811541257136314711580168617911895191022010821113221192
3121241272513026135271392814429150132831541752362973283894410461152125
4136014651571122631141752363073583994110471154125913651473157616821787
1894199720101211062211323121241252513126138271422814529149301513115532
1583316234165351683617037176381823918640193411984220143204442104521346
2174722248225492311521031642252863573884294610521155125713631429313419
5256277318379431047115012541361146815721677178318881992209521972210123
1072411525121261262713228138162123154175226267328389401046142931341551
8622726829933103911411244135214551560166517691874197620812186228823932
4972510026108152113134195216277308349381042114412481352145415581661176
3186719692074218022842387249025992610327107142731041551862272683193510
3811421247135414571562166517691874197720812183228623922498251022610427
1072810929113301191429313421523629734836940104511511328315421526631735
8379441048115512601365147115781680178618911997209921104221102311224119
2512126125271311224384115166227258299341036113912441350145515571661176
7132931341652062673183594418212317420524627732838941104611481252135514
5815611663177018721978208021842289239324962510212243741151762172582893
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3124165206257308349371041114512471352122831041652062372682893310361140
1248135014541558122431041451662172783593710391141124513491228310414519
6237268329361040112731041612253104135191325310413518142831141516213162
1312253741151461671882392610301139132631414263104171326384125161428313
1429313417132639413122537410515132731141752062673315283151321031341852
3628730836944105013210142931341551862172716213172131227310415517621727
1821131912243114165216261528311417142931441752312253121329312415518622
7281521031441752062615210313416524152731241551862313273941551962372682
9933103914210316422526628733839122931241652062616214323122538414122539
4125181225384115171225310415520623726833935103811411247142831241612253
1041752562773283813273941251862172783093815212318421524629734837943104
6115215283124165226317338369381044152831041451812283124155176217271227
3124155211529312415518623728830934103711421426312416518621725832935104
0172103154175251327312417525633736841946105311561262132538411519161228
1328310416142831242014283154231427314418522627152103134175246287338379
4210461150125513601463156813263941151614293124165266341529313419523628
1326394145216237301721031542152462914273941451862315210317422525630162
1031716212315420525162931642152462773283794315211313417521626142631041
5521626730836942132731041452013253941412253101621114211316419525627733
8401426310415521626728833935103811441326384141227311418122639414132631
3142912283121224394145196247311326384125176231326394135201426311416520
1327310412517122731041813273104161325311132731141513253941351862072613
2731141651862415273941713273124155231629316122831141713273941251562114
2103171429311415521142931242014273131428311417132731241618211313417122
6384151421231842252462773083694110441147152931414293141521013273134191
5211317132731141618211317419524626730835940172121721131613253104155176
2213273101521014263104151429122931241713263104151427312417132101527310
4165221628315417522162141621231642116283104145186241226310413518162831
5421132631341551762172883393610421328312415521623730162831742352816283
1742316283114175241527311417142931441852412283114175211527311415517621
7248281326313416522132731041752562873513253941351762072383115211318421
5276327368421329311418523628731834940152123184215246297338389441329313
4165206227268309321035113712431347145113253841151461872212283124185251
4273941552262572883293410371141124413471449155316551759186513253841251
6620726132831341652114283144195226277348369421050115612621371147912253
1141612253104135196227281421231641952262714210315421172133184235266307
3583894412253741251562013283141327310413517620726831142931341752162673
1152113134185231228312419525152831141652117211315420132638412517624726

828932103611411244134916210315162831241852162572883193610391143124813 5
313283134165196277308351321131742452863173683994110441148125414273941 1
514617722824932103713253104155206237288319361041122638415519622726831 9
401049115212551363146615711226394125176207228269321035114012451349142 7
312417519622726831935142931141551762172682993314273114175206247281428 3
104125166217268299331037142731141351862472983193510421146152931241751 9
621725829933142931542352763173684114273114155206257288339371040114212 4
713511426310413517620722827929103311361240134414273154195226257288339 3
714283104125166207228279301035113914273124175216237268309341037114112 4
513481452142731541952763073484094510491421231842352713253134165236327 3
583917210313417519622725830935103913210313416521623727831142731041351 7
622727833937104112263104135166207228261225374115146177208241225374135 1
561972282592810301134124013283104145226257288329381041114312461350145 6
156016641326310412518626728832937104111451224384135156217238279291032 1
136142931241651962372713253104125166207248269291033113612401344152739 4
155216257308339381043114512481352122631212273104151426310413518122438 4
125186241328312416521122731241451762172683012243641251662115283114165 2
062612283154175206237258319361528310416523627732152143184245306351227 3
134191628311417522132731241952463073584013293144195246297328389411046 1
151142931542252663114293114165206247318351621131341652062612253104135 1
662072382693112253941251662072282693110361141124713491454155716621766 1
871197820812183228523902494259926106271082811229114301203112332125331 3
034134351383614437150381523915740163411654216843172441784518546187471 9
148195492025020451208522115321854224552295623557242582465925060254612 5
762263632706427265275662806728368287692897029371298723027331174315753 1
776321773257832912263121227142816210162111327313152101427394161429312 4
161321131441814273114161527311417152101527313122638412132639416521162 1
113263101427310122538411122512253912263131426394125156191225384115161 6
291328310413122639412152101529312132831341852162773083594010431147125 2
135714641569167417801886199120962110222105231102411525120261262713528 1
412914630148311543215733166341703517436178371823818639190401934119742 1
994320344208452104621447217482214922550228512315223353236542385524156 2
455725013291628312162931314293141521013263104125176197241225384125171 3
283141226314122101227394121527394115181325394161428310418142831241713 2
831413293144221326384155211528315132531012263841251661872282693113253 7
413519132631113263101329312414518622724827933103711441226310417132731 3
420152123154195241329312414518623122631341852314283114181427312142914 2
931514211316419524132538132631141814211316419522626122931241652113273 1
412263841351862012273114171421031542012243941413253104171621214293141 3
273121521031513253941251713263104171426391326312162113171326311417132 6

394121427312122538412517142631112263841315212314418521132539411514618122539413517142731441952614273124155176217271225384155186207258279301034114013283154175216267328399441049132931541852362773213293174225296351229315417520623729835142831141551962773315211318422525628735172133164195256317371421031441852062472883293510401327394135176227291621031241552062673083616293144175231621031342052262673083493710441621131742252863415210315417520626730837162831141752316210314417523630142831241915210315421524630736841947142831041451962472916210314417524629734836939104511491254135912253841151561972483013263114155216271529312415518622726828933152831141552113283134155206247291227312419525631735840132103164215256297348419471225310413516620723826931132931241451862272482893110361141142631041251762672983293710421921319213192131921319213192131426310142103151421031414210314142103141429313132631014291328310413518132831613273141228315142831713283161329311414518172931341713263111621031813283161327312417152121621031542153063373813283161721031241651862417210312414518621122639413515620142831241814293121328316132638414132731041813283161326311418526132639412518132831612293114155201629315142113164195236291327311419132831614211316420526132831614273104165186241328316142831241812210122731314263941613210122531213273124171721318214162113161621131616212317162113154201621131617293174205251527310416152111225310413519132739414520626152113164221521131642112263104161721116210316122831241651962413283141429142931141652116213318132631341816293154185231229314152121621215210122831241651962414263941351812210316419525631733839942104713273124215246267338369381041114312491353145813283124155186227258289321321131642152462873383593910431148125413561461156416691921319213192131921319213131327314162131429314172121621031842052714273124165283114145191527314161426314122631041412273104165226251427312415518132537410512616162931241715210316142812263101429142731141715293134195261224374125156191528312414520625132831415210315420162931241714283134201721315283171428314414520132831415210315420162931241714283134201721315283171428314413263114135171429172179321328310416172931541952513263841413263131427311413519152831441652262572983193613281226312132831241612263124181325311142631013273104141426310414132714273111327312132631012253101621115291428132103124171224374111226310415122831212273131225384131326394115151621331642113281341612273124151721131415210172121621016210152831714283141326311413517142917212132731141651962414293141521215210315419162101527313419132831214210316142103141421031414210314142103141421031414212316132631014293131421031414210314142939141327313162111629313162931313273114151225384105156191426310132931514273134191325384135181325394145181421012243741051813263104125181329312414518622724832132931514211317142103141421031514271329312414518622724832132931514211317142103141421031514271329312414518622724832132931514211317142103141421031514271

394135181226313415518622728142831341812243841051361713253114171328315152111628314122931241613293124161721031513253941613283104135181224394115146191325394125166207268319341321115283154185236301421031241852413263114155221428132731241552313253941551862213283104141429132831615211315420132739412514618722132731141752062673313253841151761972483013273941351862612263114171226394135176197251325394165196241328310415142915213122931241613210316142631241652215273114161528311414522632162831314283114191227313418520625730836142831141914211314419526631142931441652162713293144201621131641852463013210316122531141351862413293141521031414293121527311416152103141226313416520623726830937142631041552114293144191629313419142631041552196231428313152101326384125181325374951313253841151361813273131629312162931316210312415132638414142731241852062612273124181529312417162113151328313419527630733836941172103161621315211132831515283141224394131326384145236271328312415517623728834940142639417523628731833936104012273124205296317338399431047115112551359146512273124185266297338379391044115112541359146512253841313253941413293151227313142731112263104161521012273124145191527313417122438412122531017214132831041615211122437410515619162133154181325384121426394145221326310415132731413253741051361717210315162931413273101325311142103141529142123184231326394151427311152831215293151529313162931313253841251561972482793116212142631041615273111821414283134191224384125156191226384121427310414122831442017210315122538413519132103151226310417142931415210142831314263941313263104135156191226394135156181429314162111225310122631041514273121427313162121621216212142103134185216251421031341714210313417142931241614283114151328314132539413162103164221227313122439415161528162121629312122437410513616132538411514618132631214263104155176231521031542052616283151529311417172113171328311414518122531414211314416522625731836941104411491427394155196237278329351040132537413519132931241652317213317420162113144171326394145176201427313416519142931441952463173583794314263114155211628312417520132731241512273124201528311416521162831316210122631041514263104151528311132831541752015273941351762014293134171527394125151327394141621217214132831413283104161226122739412514619152731212283104151225374125176247308379451521031716211318420525632152831316212162931417210315162931517210315162931414273121721332012263841313263841314283151227313142731141551962373016213318423527633739132731316293131721031413263114181227311142631041514211172131426394161421117213132731041451762112273121326312419182123161228311417142731218214142831241713273114135176211329312415521152916162931212263941251517210312414520152103134181327312416152931315210315142103134171421031341714293124161327394131629313142831216283121325310414122439413142831314273121621414291429315132831541224394131428313142731216214142914293151328315412

1752162612283124181328313419527631734837942132831141714283134211428311
4155181321031241514283141427313132103124145181325312417122531112253841
4152931314273101527310413518122531215273104151327310414517132638412518
6261521031515210142121325394145201321031241652113283104145191429312414
5176201421231842252663073283493714263941351812253104155176207268359411
0441150125614263104145186231427311132731241752362672883193310391145132
8311418522628730835940104711531259136514691572167812273124145176237328
3493710411147125113561458156016661227312418526631733836942162931341752
0624726831938104411481252135514591563166817711874197720802183132831342
0162113181421131341615293161326310413152931442052563213273124155196221
3273124155186211921319213192131527311152731112293134181427310415142731
2417142831141551761972514263841412263941451917122913283104171327312419
5261521131742414263104171325394141426394161429132831041313281621313273
1413263121225384141325311414520152111229312418122831341552116122931241
5132831341952763473984695213263104141427311416142631041513293114171328
3104161327314142831141814293141225310132538411514620725132731241451915
2103144201621231441816210315162101721131742318210313418142103124155216
2372615293134191428311417132639413520142111527394155201527313172141321
0316132731212273941512243841612263841413273134155191326310412517132731
3415519132831141413263941351915210316418521625731142831141952262573013
2639412515122639413516619152931241517212317122731041251512243841114291
2253841213263841251512263941412243649132539412515132531341552013253941
2515122639414132813281224311417142931141552012273 13”

6.2.2 Other codes as facts on the Basmala verse

In the subchapters of this chapter, I will present the codes that I found myself but I could not see strong rule based patterns and thus present them as facts in this chapter.

Based on the number of words of Basmala and number of its letters, I will present reproducible codes just over the special Basmala verse. In Chapter 6.2.2.2 and Chapter 6.2.2.1, I will test the total number of words of Basmala. There are two numbers with respect to the sum of the number of all the 4 words of Basmala, which are 2235 and 2683. 2235 is for the sum of the number of the 4 words on the 6236 numbered verses of Quran and 2683 is for the numbered and unnumbered 6348 verses together in the full text of Quran. Considering the pairing coding pattern, we combine numbers of both category by concatenating. Since there are only two numbers in this case, the only combinations of pairings are 22352683 and 26832235. So, in total, there are four numbers to be tested (2235, 2683, 22352683, 26832235). The reason I take the sum of the numbers of the 4 words of Basmala is because I am testing evidences on Basmala that consists of the 4 words. Considering individual words from the 4 words of Basmala is not that meaningful

because what makes Basmala is the combination of the 4 words together. Also the 4 words of Basmala do not only appear in the Basmala verse but also in the other verses independently from each other. This approach would show the integrity and harmony of Basmala within the full text of Quran.

6.2.2.1 Fact on Basmala words with pairing

$$22352683$$

The total number of the words of Basmala in the numbered verses of Quran is 2235 and in the unnumbered and numbered verses (whole Quran) is 2683 as counted in Chapter 6.2. There are two concatenation combinations of these numbers as discussed in Chapter 6.2, one of which is 22352683. This number, 22352683, that combines the total frequencies of the words of the Basmala in both types of the text of Quran, is multiple of 19 as shown below:

```
as.numeric(as.bigz(22352683) %% 19)

## [1] 0
```

Regarding the proof, I already generated these two numbers from Table 6.1 in the previous chapter, Chapter 6.2. One can visit and reproduce these numbers if wished.

6.2.2.2 Fact on Basmala words with digit sum

$$2683$$

The sum number of all the words of Basmala is 2683 and the digit sum of this number is exactly equal to 19. This number represents the total number of all the 4 words in the whole Quran, including numbered and unnumbered verses. Regarding the proof, I already generated this number 2683 from Table 6.1 in the previous chapter, Chapter 6.2. One can visit and reproduce this number if wished.

6.2.3 Fact on individual Basmala words in the full text of Quran

$$3215345341152265157146$$

When we concatenate all the frequencies of each words of Basmala in numbered verses and also all the verses of Quran, we get this 20 digit length number. You can manually perform it yourself from the Basmala table given above, where you need to concatenate the 4 numbers of the column *count* and the other 4 numbers of the *countW*. In this **fact**, we observe that the digit sum of this large number is multiple of 19. Therefore the order of numbers does not matter. The digit sum of this large number is exactly 76, which is 19x4. This is even more interesting as Basmala verse has 4 words and 19 letters and this coding decomposes

as 19x4. We observed that all the words of the special verse Basmala not only in harmony together but also in harmony with a single Basmala that has 19 letters and 4 words. Here is the proof for the digit sum of this large number.

```
tmp1 <- paste0(BasmalaTable$count, collapse = "")
tmp2 <- paste0(BasmalaTable$countW, collapse = "")
tmp <- paste0(tmp1,tmp2)
digitsum(tmp)

## [1] 76
```

6.2.3.1 Facts on individual Basmala words

As we have studied so far, there are 4 words in Basmala. I also looked at its words individually to see if they have meaningful relation to 19 system and I observed this code.

Before starting explaining this **fact**, let me give this information first. Out of those 4 words, Allah and Al-Rahman can be used uniquely for God as names and can be used interchangeably as stated in the following verse. The verse 17:110, which specifically mentions the other name of God, Al-Rahman (The Most Compassionate/The All-Merciful), along with Allah word, which suggests this conclusion.

> "Say to them (O Prophet!):"Call upon Him as Allah or call upon Him as al-Rahman; call Him by whichever name you will, all His names are beautiful. …", (17:110), Quran.

So, considering this verse, we might expect a similar coding pattern between Allah and Al-Rahman but not with others.

Although there are some disputes, the word Raheem in the Al-Raheem of the Basmala verse is considered permissible to be used for humans as well. I am not an expert on this topic but aware of this dispute. Feel free to do your own research on this topic if you wish. The last word "Bism" is already not a name of God and not considered in these trials.

Back to the main point, in this code I will present the identical 19 based coding pattern that we observe on the two special words of Basmala, Allah and Al-Rahman. In this pattern, for each word, I concatenate their total word counts of these words and their number of letters. The digit sum of each of these resulting numbers are exactly 19. The rationale behind this approach is that, the number of letters in a word keeps a unique additional information for the word of interest. Therefore, testing a word count along with its number or letters might also be a meaningful approach. Here are the numbers for each word.

The word Allah has been used in the Basmala verse in this form

الله

for exactly 2265 times and it has 4 letters. We first concatenate the word count and the number of letters of that word and get the number to be tested as follows:

For the word, Allah, the digit sum of this representation number is exactly 19:

2+2+6+5+4 = 19.

If this was a single observation, I might have not considered this observation as much interesting. However, the second exclusive word of the Basmala verse, Al-Rahman (الرحمن), has also the exact same coding pattern, which suggests that it might be a common pattern of a code system.The word, Al-Rahman, has been used 157 times and it has 6 letters, which yields the number to be tested as 1576. Then we have the digit sum of it again as exactly 19.

1576 = 1+5+6+7 = 19.

Since these two words are exclusive names for God only, it appears to be meaningful to witness such a common pattern.

I will still **not** add these codes into the global counters of the evidences of this book that are used for the global probability of the 19 based system presented in this book. However, let's calculate the probability of this particular evidence alone. For each names, we applied two tests. Therefore, overall, we have 2 successes out of 4 tests, considering the two text types, which results the following probability:

```
tmp <-binom.test(2, 4, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
cat(paste("The probability of 2 success out of
            4 tests (with p=1/19) is:", tmp))

## The probability of 2 success out of
##             4 tests (with p=1/19) is: 1.55e-02
```

6.2.3.2 Known codes on Basmala letters

Basmala verse itself alone is apparently aligned with the verse on the 19 that is "74:30. Over it is Nineteen". I presented the number of letters of each of the 4 words of Basmala in the fourth column (column name "u.lengths") of Table 6.1 in Chapter 6.2. As it can be counted manually from the table, the total number of letters of Basmala is 19 and thus Basmala alone has a strong relation to the 19 based coding system of the text of Quran. This also means that the total number of letters of all the 2683 Basmala words is also multiple of 19 since there ar 114 total Basmala verses in Quran.

This fact was known from the beginning of the revelation of Quran and there is no need to reference it. However, it is worth mentioning that along with the number of chapters, 114, and the number of letters of Basmala, it might be left so apparent as clues of the 19 based coding system so that Muslims can imagine researching on this direction and reveal the 19 based coding system of the text of Quran.

6.2.3.3 Known codes on the number of Basmala verses

There are in total 114 Basmala verses in Quran and it is multiple of 19. This may be considered as self-evident fact by Muslims but it is not easy to test manually if you are not keep reading Quran in Arabic. Because, there are 113 Basmalas at the beginning of each chapter but there is no Basmala at the beginning of Chapter 9. So, where is the last Basmala to get the number 114? As an ordinary Muslim, I was not even aware of this situation until I was investigating on number 19. While reading on this topic, I learned that there is one other Basmala within Chapter 27, verse 30. But, Chapter 27 consists of 93 verses and it is not that easy to find that Basmala verse within it as a slow reader in Arabic manually. Further, we have to check that there is no other Basmala verse as well in other chapters of the whole Quran. So, this is not easily testable information manually by someone who is not a good Arabic reader who does not frequently reads Quran in Arabic. Therefore, in the following I provide the reproducible proof of this fact that there are, in total, 114 Basmala verses in Quran, which is multiple of 19. In Chapter 3.1, I had assigned the special Basmala verse into R programming object '*Basmala*'. I will search this text in the R object *quran* that keeps the text of whole Quran as follows:

```
#See verse 1 and 8 in the head of quran table for Basmala.
quran[1:9,]

##    VerseI chapter verse
text
##     <num>   <num> <num>
<char>
## 1:       1       1     1                                    بسم الله الرحمن الرحيم
الحمد لله رب العالمين                                    2     1     2     :2 ##
الرحمن                                                   3     1     3     :3 ##
الرحيم
مالك يوم                                                 4     1     4     :4 ##
الدين
إياك نعبد وإياك نستعين                                  5     1     5     :5 ##
اهدنا الصراط المستقيم                                    6     1     6     :6 ##
صراط الذين أنعمت عليهم غير المغضوب عليهم ولا الضالين 7     1     7     :7 ##
```

```
بسم الله الرحمن الرحيم الم                                  1       2         8        :8  ##
ذلك الكتاب لا ريب فيه هدى للمتقين                        2       2         9        :9  ##

#Get the indexes of Basmalas in each verse.
i<- grep(Basmala, quran$text)
# See the length of indexes of Basmalas in the table.
length(i)

## [1] 114
```

As we witnessed, there are really only 114 Basmala verses in whole Quran. This was a well known fact but here, a reproducible computational test to prove this fact is provided to the literature.

6.3 Overall probability of all the evidences so far

Below I will calculate the probability of all the 19 based evidences so far in this book using the global counters I have been counting.The below calculations do not include any iron related evidences presented in Chapter 6.1. If we also consider also the iron related evidences, the probability would be around million times less probable that the results approximately calculated.

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums, p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
print(paste("The probability of", global_success_nums,
            "success out of", global_tested_nums ,
            "(with p=1/19) is:", tmp))

## [1] "The probability of 43 success out of 99 (with p=1/19) is:
1.17e-28"
```

Again, If some cautious people think that we should have used more tests, although we tried **all** of them regarding the rules, I will not even look at the possible further successes in that case and keep the success number same but double the number of trials and see what would then be the overall probability so far. This should calm down those skeptical people.

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums*2,
                 p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
```

```
cat(paste("The probability of all the ", global_success_nums,
          "success out of all the", global_tested_nums*2,
          " tests (with p=1/19) is:", tmp))

## The probability of all the  43 success out of all the 198  tests
(with p=1/19) is: 2.01e-15
```

If still not convinced, for extremely cautious people, let's also increase the trials by 4 fold and keep the successes the same!

```
tmp <-binom.test(global_success_nums,
                 global_tested_nums*4,
                 p = (1/19),
                 alternative = c("greater"))
tmp <- formatC(tmp$p.value, format = "e", digits = 2)
cat(paste("The probability of all the ", global_success_nums,
          "success out of all the", global_tested_nums*4,
          " tests (with p=1/19) is:", tmp))

## The probability of all the  43 success out of all the 396  tests
(with p=1/19) is: 7.36e-06
```

6.4 Fact: The unique numbers

This code shows that the number of all the unique words and their letters used in Quran has an interesting 19 based code in it. As a reminder, these unique words refer to the written version of the words without any *haraka* marks, 'rasm' in Arabic, and therefore it does not mean unique number of words when it is read. Because the text is written without the *haraka* marks and the computer can only count the written version of the text.

$$u, U$$

$$14870 - 80068$$

In Chapter 3.1.5, I provided reproducible open source codes that allow easily to reproduce and generate the 7 main descriptive numbers of the text of Quran and also provided the two unique numbers that are distilled from all the used words of Quran. Those two numbers are unique number of words (denoted by **u**) and also the number of letters of the unique words (denoted by **U**) of Quran. In total, all the 9 different descriptive numbers about the text of Quran can be reproduced in Chapter 3.1.5 from the text of Quran. The unique numbers **u** and **U** are not independent categories of the text of Quran but they are derived from all the used words and letters in Quran. In a sense, they are offspring of the words and letters categories, respectively, as they are dependent of the main descriptive numbers of the text

of Quran. Thus, they are treated as a separate category. These unique numbers are also important and that must be considered because it reflects the richness of the word set used in the book of God. I expected them to be coded under the 19 based coding system of the text of Quran and also designed together with all the 7 main descriptive numbers of the text of Quran and thus developed hypothesis and tested them as such.

Regarding the coding rule, I concatenate them in the natural order as well, which is first words and then the letters. This is the most basic universal rule I keep using while concatenating numbers, which is "the concatenation of the natural numbers in the natural order". Both types of the text of Quran, with unnumbered verses and with only numbered verses, has the same number of unique words, as the unnumbered Basmala verses are just repetitions of the numbered Basmala (chapter 1, verse 1). However, this is just a coincidence and this did not have to be so. Because, for example, one of unnumbered verses could be different and there is no reason why it is not so. For example, there is no numbered or unnumbered Basmala verse in the beginning of the Chapter 9 and this shows there is no standard in that respect. Therefore, the same concatenated number to be tested, which is **uU** for both text types of Quran. In summary, in this code, I will show that the unique number of words (14870) and their number of letters (80068) together, which is 1487080068, have an interesting 19 based code as follows:

```
suppressWarnings(require(gmp))
tmp <- paste0(u,U, collapse = '')
tmp

## [1] "1487080068"

cat("The mod 19 of the unique numbers combination is  ",
    as.numeric(as.bigz(tmp) %% 19))

## The mod 19 of the unique numbers combination is   0

cat("The precise result of the division is found as follows:")

## The precise result of the division is found as follows:

cat(as.character(div.bigz(tmp, 19)))

## 78267372

cat("The mod 114 of it is also 0:  ",
    as.numeric(as.bigz(tmp) %% 114))

## The mod 114 of it is also 0:   0
```

There is only one combination of the unique numbers according to the general rules as described in Chapter 3.2 and I showed that both of the descriptive unique numbers can together be coded by a 19 based codeç

As I discussed in detail in Chapters 3.1.7, I argue that it is practically impossible to count the number of **unique words** manually by the people of that time that is 1387 years ago. Therefore, I conclude that this and any other code that includes unique descriptive numbers are beyond the ability of the people of that time to do.

For the reference, to the best of my knowledge, code 6.4 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out code 6.4 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

6.5 Totals

All the codes with **the sum coding pattern** is gathered under this main section. Considering the rules in Chapter 3.2.1 on the total of all the descriptive numbers at the three text levels, we get 6 different numbers to be tested overall. In the following, I will present the two codes out of those 6 potential coding numbers that come out of the set rules.

For the reference, to the best of my knowledge, the codes of this sections, code 6.5.1, and code 6.5.2 are first time presented to the literature in this book. In case if I find out that they had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

6.5.1 Fact: Totals of the main descriptive numbers

In this chapter we will see two different codes that show the the sums of the numbers of the chapters, verses, words and letters has a relation with 19 as well.

Let's remember the table with which we will compute, in chapter resolution, the sums of the numbers of the chapters, verses, words and letters.

```
x<- dfVCWL
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbers at chapters in Quran considerin
6348 verses.')
```

Table 6.3: Table head of the numbers at chapters in Quran considerin 6348 verses.

Chapter_index	Verse_sum	cWords	cLetters
1	7	29	143
2	287	6144	26268
3	201	3505	15004
4	177	3767	16351
5	121	2841	12225
6	166	3060	12745

Basically, sum of all the numbers in the above table is tested. In this code, the total number at **chapter** level text resolution, based on the all 6348 verses, observed to be multiple of 19 as shown in the following:

```
x<- dfVCWL
tmp <- sum(x)# sum all numbers at CHAPTER resolution
# The sum should be 423985
cat("The sum of all numbers
    at CHAPTER resolution is", tmp, ".")

## The sum of all numbers
##     at CHAPTER resolution is 423985 .

cat("The modulo of it by 19 is ")

## The modulo of it by 19 is

as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0
```

We will see another interesting coding over the same chapter level numbers. I wanted to try another meaningful, but mathematically unrelated, hypothesis on the same table that includes all the numbers at the chapter resolution. Then, I hypothesized that if I count the multiple of 19 numbers in each column and get a new number by concatenating those 4 numbers, each represent the total count of multiple of 19 entries in its column, I end up with a meaningful but mathematically unrelated number than the totals of all the table

itself. As you see in the proof below, this unrelated coding number of the table is also multiple of 19.

```
# mod 19 of all the numbers at the chapter resolution
y <- dfVCWL %% 19
knitr::kable(head(y), booktabs = TRUE,
caption = 'Table head of the mod 19 of all the numbers at the chapter
resolution.')
```

Table 6.4: Table head of the mod 19 of all the numbers at the chapter resolution.

Chapter_index	Verse_sum	cWords	cLetters
1	7	10	10
2	2	7	10
3	11	9	13
4	6	5	11
5	7	10	8
6	14	1	15

```
tmp <- paste0(
length(which(y$Chapter_index == 0)),
length(which(y$Verse_sum == 0)),
length(which(y$cWords == 0)),
length(which(y$cLetters == 0))
)

cat("Concatenation of each column's mod 19 counts is ", tmp)

## Concatenation of each column's mod 19 counts is  6783

cat("The modulo of it by 19 is ", (as.numeric(tmp) %% 19) )

## The modulo of it by 19 is  0
```

This stands as a further supporting **fact** for the previous simple all sum code, where those same numbers used. As we observed, the table that keeps all the numbers at the chapter resolution has an additional and independent 19 based relation in it.

Interesting enough, just the opposite of this test is also successful in the second text type of Quran, which is only the numbered 6236 verses. In that text type, the counts of each of the

columns, which are **not** multiple of 19, yields a number that is multiple 19. Here is the proof.

```
# mod 19 of all the numbers at the chapter resolution
y <- dfVCwl %% 19
knitr::kable(head(y), booktabs = TRUE,
caption = 'Table head of the mod 19 of all the numbers at the chapter
resolution of the numbered verses.')
```

Table 6.5: Table head of the mod 19 of all the numbers at the chapter resolution of the numbered verses.

Chapter_index	Verse_sum	cwords	cletters
1	7	10	10
2	1	3	10
3	10	5	13
4	5	1	11
5	6	6	8
6	13	16	15

```
tmp <- paste0(
  length(which(y$Chapter_index != 0)) ,
  length(which(y$Verse_sum != 0)),
  length(which(y$cWords != 0)),
  length(which(y$cLetters != 0))
)

cat("Concatenation of each column's NOT mod 19 counts is ", tmp)

## Concatenation of each column's NOT mod 19 counts is  10811000

cat("The modulo of it by 19 is ", (as.numeric(tmp) %% 19))

## The modulo of it by 19 is  0
```

Since I do not set general rules for the *facts*, I only present these just as the supporting facts to the code of this section. They are not counted in the probability calculations of the system.

6.5.2 Fact: Totals in verse resolution

This code of this **fact** answers a very simple question:

Is the total of all the 4 main descriptive numbers in the **verse** resolution level of the text also has relation to number 19 or not?

Let's remember the table with which we will compute, in verse resolution, the sums of the numbers of the chapters, verses, words and letters.

```
x<- nQuran
x$text <- NULL #removes this column
x$VerseI <- NULL #removes this column
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbered verses of Quran.')
```

Table 6.6: Table head of the numbered verses of Quran.

chapter	verse	vwords	vletters
1	1	4	19
1	2	4	18
1	3	2	12
1	4	3	12
1	5	4	19
1	6	3	19

Basically, sum of all the numbers in the above table is tested. In this fact, the total number at verse resolution, based on the numbered verses, observed to have 19 based relation as shown in the following where the digit sum of the big representation number is multiple of 19. Since it is digit sum, I considered this coding as a fact rather than code following the universal rules I set in the beginning.

```
tmp <- sum(x) # sum of all numbers at verse resolution
#951202
cat("The sum of all numbers
    at verse resolution is", tmp, ".")

## The sum of all numbers
##     at verse resolution is 951202 .
```

```r
cat("The digit sum of it is ", digitsum(tmp))

## The digit sum of it is  19
```

6.5.3 Fact: Totals per chapter numbers

This coding answers this question:

Is the total of all the 4 main descriptive numbers **per chapter**, have also 19 based coding?

In this fact, we first get the representation numbers per chapter and then get the sum that represents the sum of numbers per chapters.

Let's remember the table with which we will compute, in chapter resolution, the sums of the numbers of the chapters, verses, words and letters.

```r
x<- dfVCWL # 6348 verse at chapter level data
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbers at chapters in Quran.')
```

Table 6.7: Table head of the numbers at chapters in Quran.

Chapter_index	Verse_sum	cWords	cLetters
1	7	29	143
2	287	6144	26268
3	201	3505	15004
4	177	3767	16351
5	121	2841	12225
6	166	3060	12745

Basically, the digit sum of the sum of all the numbers in the above table is tested. In this fact, the total numbers at **chapter** resolution, based on the all 6348 verses, observed to have 19 based relation as shown in the following:

```r
tmp <- paste0(dfVCWL$Chapter_index,dfVCWL$Verse_sum,
               dfVCWL$cWords, dfVCWL$cLetters)
head(tmp)

## [1] "1729143"       "2287614426268" "3201350515004" "4177376716351"
## [5] "5121284112225" "6166306012745"
```

```r
tail(tmp)

## [1] "109731118" "11042399"  "111627100" "11251966"  "11362792"
"11472499"

tmp <- sum(as.numeric(tmp))
as.character(tmp)

## [1] "59738069267437"

digitsum(tmp)

## [1] 76

digitsum(tmp) %% 19

## [1] 0
```

6.5.4 Fact: Totals per verse numbers

This fact answers this question: Is the **total** of all the 4 main descriptive numbers **per verse**, have 19 based relation?

This fact is similar to the Fact 6.5.3 but shows there is this pattern exist also in the verse resolution. Again, we first get the representation numbers per verse and then get the sum that represents the sum of numbers per verse.

Let's remember the table with which we will compute, in verse resolution level, the sums of the numbers of the chapters, verses, words and letters.

```r
x<- nQuran # 6236 numbered verses
x$text <- NULL #removes this column
x$VerseI <- NULL #removes this column
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbers at chapters in Quran.')
```

Table 6.8: Table head of the numbers at chapters in Quran.

chapter	verse	vwords	vletters
1	1	4	19
1	2	4	18
1	3	2	12
1	4	3	12
1	5	4	19
1	6	3	19

In this fact, the total numbers at **verse** resolution, based on the the representation number of each verses, observed to have 19 based relation as shown in the following:

```
tmp <- paste0(x$chapter, x$verse,
              x$vwords, x$vletters)
head(tmp)

## [1] "11419" "12418" "13212" "14312" "15419" "16319"

tail(tmp)

## [1] "1141414" "114228"  "114328"  "1144417" "1145520" "1146313"

tmp <- sum(as.numeric(tmp))
cat("The total number: ",tmp)

## The total number:  272053930879

as.integer(as.bigz(tmp) %% 19)

## [1] 0
```

In this code, we first concatenate the chapter index, verse index, word and letters contents and get the representation number ofr each verse. We then sum them all and get the final code.

When we consider this fact along with the code 6.5.1, then we can see that this fact further assures the conclusion of code 6.5.1 and suggests that there is 19 based design in the full text of Quran when we consider the sum of the descriptive numbers of the full text of it.

6.6 Facts on Chapters with multiple of 19 content

In this code, I tested whether there is any 19 based design in indexes of chapters of which its content, the words or letters, is multiple of 19.

You can test the numbers from these dynamic tables easily:

```
require(data.table, quietly = T)
require(DT, quietly = T)
datatable(dfVCWL,
          caption = 'Total numbers of each category in all 6348 verses
per chapter',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel', 'csv')
                         ), rownames= FALSE)

#
datatable(dfVCwl,
          caption = 'Total numbers of each category in the 6236
numbered verses per chapter',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip', buttons = c('excel', 'csv')
                         ), rownames= FALSE)

#Get the indexes of chapter with multiple of 19
tmp <- dfVCWL$cWords #in 6348 verses
i1 <- which( (as.numeric(tmp) %% 19) == 0)
#10  21  41  76  87  95  96 112
tmp <- dfVCwl$cwords #in 6236 verses
i2 <- which( (as.numeric(tmp) %% 19) == 0)
#17  27  30  43  54  58  80 110
tmp <- dfVCWL$cLetters
i3 <- which( (as.numeric(tmp) %% 19) == 0)
#9  90 107
```

The way we get the coding number to be tested as follows: Firstly, from chapters of all the 6348 verse, I obtain the chapters whose number of words are multiple of 19. These 8 chapters have words with multiple of 19 in total:

"10, 21, 41, 76, 87, 95, 96, 112"

And, these 8 chapters have words with multiple of 19 in total from the 6236 numbered verses text type of Quran:

“17, 27, 30, 43, 54, 58, 80, 110”

And, these 3 chapters have letters with multiple of 19 in total from the both text types of Quran. Since the Basmala verse has 19 letters, it does not make differences between numbered or all verses types of the text:

“9, 90, 107”

There are **two different** 19 based codes in these indexes.

First 19 based code: The total number of unique indexes is **exactly** 19. Here is the proof:

```
i <- unique(c(i1,i2,i3))
i <- sort(i)
cat(i)

## 9 10 17 21 27 30 41 43 54 58 76 80 87 90 95 96 107 110 112

cat("The total number of unique indexes is ", length(i) )

## The total number of unique indexes is  19
```

Second 19 based code: When we concatenate those 19 indexes in their natural order, namely, from first chapter to the end in ascending order, We get a long number and it is also multiple of 19. Here is the proof that it is multiple of 19:

```
tmp <- paste0(i,collapse = "")
cat("The representative number to be tested:")

## The representative number to be tested:

tmp

## [1] "9101721273041435458768087909596107110112"

as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0

cat("The length of the number is ", nchar(tmp) )

## The length of the number is  40
```

For the reference, to the best of my knowledge, code 6.6 is first time presented to the literature in this book, and it has been hypothesized, tested and discovered by myself. In case if I find out code 6.6 had been available in another article, then, in such a case, I surely add a citation and update the online version of this book.

6.7 Fact: Only letters based codings

In the sub-sections of this main chapter, I will present some other codings that are based on only the letters information.

6.7.1 Fact: Words paired with digit sum at verse level

The same pairing and concatenating of digit sums coding pattern of the code 4.2.3, exist also with words when we look at the chapter level data. Basically we pair the digit sum of the number of words in each chapter between 6348 and 6236 verses, then the resulting big number is also multiple of 19 as shown below:

```
tmp1 <- dfVCWL$cWords
tmp2 <- dfVCwl$cwords
tmp <- paste0( sapply(tmp1, digitsum),  sapply(tmp2, digitsum))
head(tmp)

## [1] "1111" "1511" "139"  "2319" "1520" "914"

tail(tmp)

## [1] "49"  "510" "95"  "106" "95"  "62"

tmp <- paste0(tmp, collapse = '')

as.bigz(tmp) %% 19  #0

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 383
```

Here is the 383 digits length big number:

“111115111392319152091415111391212162115202622201615111318211714192117
211716121713141912891492310611161116192411161410161211724201722141023 1
919151116611242018141217813152019151511151115111713139106139139141014 1
921172016101514105101015141012814191511139841285106111166281315111391

4101612121711795139111649510117139151181314101391288449117139731713498
44951095106953811751495109510695 62”

6.8 Facts with chapter and words numbers

We already observed evidences among chapters, verses and words in Chapter 4.1.2. In this chapter, Chapter 6.8, I will present codings as **facts** that shows the 19 based relation between chapters and words only. It may or may not be random but I assume it as random and thus am not considering it as evidence yet. We basically rewrite Quran at the verse level numbers of chapters and words only in Fact 6.8.1.1. However, since the rules of this book is only allowing letters based numbers to be used with rewriting coding pattern, I do not consider it as an evidence but present just as a fact here. As we always do per rule for all the evidences, we want to see the same coding pattern exist in the other level of the text as well, which is chapter level in this case. As I present in Fact 6.8.1.2, we observe that we can rewrite Quran with the same pattern using the chapter level data of chapters and words too.

Following the rewriting coding patterns, we observe that the default coding pattern also exist at the chapter level data of chapters and words, which I present in Fact 6.8.2. I also present further facts as subsections in this main chapter but I think those are the three important coding patterns I designated as facts rather than evidences, though I think they might potentially be reevaluated in the future though they are weaker than the other evidences. Anyways, I preferred to be on the cautious side and designated them as facts but if I can further analyze them in the future and see more clear rules suggesting evidences then I may update the book accordingly.

6.8.1 Rewriting Quran with chapter and words

In the Ultimate Evidence, Evidence 4.2.4.1 and Evidence ?? and also Evidence 4.2.4.2, we had rewritten the text of Quran utilizing the natural numbers of the text of Quran considering chapter, verse, words and letters. Anyways, I hypothesized that there might be other similar evidences without the number of letters. I therefore tested only words focused potential codings and found the code to re-write Quran utilizing only the numbers of chapters and words. I consider it is as interesting because the same coding pattern exist in both levels of the text, which are chapter and verse levels. I provide those codings as subsections to be able to refer them precisely in the book. I will first present the **fact** at the verse level and then in the following subsection, we will witness the same pattern exist in the chapter level too. Lastly, both of the facts are based on the second type of the text of Quran with the 6236 numbered verses.

6.8.1.1 Fact: Rewriting Quran based on words and chapters at verse level numbers

In this fact, Fact 6.8.1.1, the text of Quran will be rewritten with respect to chapter indexes and number of words per verse.

Basically, for each of the 6236 verses, we first **sum** the chapter index and the number of words of each verse, which gives us the representation number of each of the 6236 verses. Since this is rewriting evidence, as usual, we place the representation numbers in place of each verse in the text of Quran. Since Arabic is written from right to left, the representation number of the first verse will be at the most right position. As the main approach of this book, we then concatenate these 6236 representation numbers and get the single meaningful representation number of the text of Quran. Remember this approach, because we will observe that as the same approach will be present at the chapter level too in the next chapter after this one. Thus, they together contain this specific pattern.

Let me first remind the numbers by presenting the head and tail of the table of the numbered verses.

```
tmp <- nQuran
tmp$VerseI <- NULL
tmp$vletters <- NULL
tmp$text <- NULL
knitr::kable(head(tmp), booktabs = TRUE,
  caption = 'Table head of numbered verses of Quran.')
```

Table 6.9: Table head of numbered verses of Quran.

chapter	verse	vwords
1	1	4
1	2	4
1	3	2
1	4	3
1	5	4
1	6	3

```
knitr::kable(tail(tmp), booktabs = TRUE,
  caption = 'Table tail of numbered verses of Quran.')
```

Table 6.9: Table tail of numbered verses of Quran.

chapter	verse	vwords
114	1	4
114	2	2
114	3	2
114	4	4
114	5	5
114	6	3

And, here is the proof.

```
x<-nQuran
tmp <- x$chapter + x$vwords
tmpr <- rev(tmp)
head(tmpr)

## [1] 117 119 118 116 116 118

tail(tmpr)

## [1] 4 5 4 3 5 5

tmpr <- paste0(tmpr, collapse = "")
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 12579
```

As we see the remainder is 0.

You can access this big number from the following link:

https://github.com/quran2019/Quran19/blob/master/6.3.1_Bignumber

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Also, here is the “12579” digits length big number:

“1171191181161161181181181181171171171161141161161141151171161171171151
1131141141141131131121111111091101121091121111111131101101081081091091
1011210710710810710810810810810811210710410710610410710610510510410310
5103105105105105106105103102105104107104104104103103102102102105105105
1031021031021031191071141141091011041101021061031021021019898991021011
0099101999910099100101999910010199991049910198979797979898979797989797
9796969797989896949497989694959695969598949496949496959695959498989494
9595949494949494949393969399949396929493929294959496959394949192949393
9494989495939394949910092949293929495929595929191909291929291929292929
4909090919192919091949492919091929092909191919391899091899690909090909
1908889898989899289909190909288908888898990878988888889899999959491898
8888787889387888890888887878790898986879088888993878887878789868987898
9879187868987888687858587899087899190908786858789888588888985918887868
5868685848586888689878585858598686838686858484878584848384858484848484
4848484848484848484828482838682828583838282828283848484858483838484848
2828283838383828484838384848382888482838483888382828384838281838383828
5858483818281828385848583828384838481828182818181818194879288838480808
0818382818380818481808282828483808283818281818180808281808281808180838
0828081838082808282808181808081838383808479818080808182808080808082798
0808080808080797979797986878585848381858284898385808281848286818483868
3838384828386878280808180797880787979787878798078787877797979798178808
1797880787778798081807979857777798377777978777878787978767777798176777
7777613177767878767980777776787777767978777678787878787677767676767715
1827981798481787779808279798178797877768585798383888480808280828077828
6838185858081838279818185868181837984748475767676787974778075777875857
6788976788579797878777578757574757475778074757674727575727474747274727
3767372797473747273738174747473727374727573727473757673727373747474757
6727172737373807771727374787578747275757576757574847573737371707380737
8797375737879777672807373727174767874737475717372747175707075707871757
3727271737271797070727373727780828076747579797982827579788174767672788
5807574797785787683909378112788983879577819099827279909779938695107697
6807283737580759174828077787375817484818083817785747580837784807180857
2708374977078767375727793857270707280998111681817579731127373109767872
7769697769767082717587829077968472717310070109676673757368687782818975
7896105737684798176797996718569727882967769708572778479699474727269659
3666866606158596261626061606163596060606059596160606162606263605958 6
2615962656361596060596059616161605865616160595961595958585859586058585
8585961606260595860596161605959595959585861615959596058595961596159615

9595958595959585956595859605958596459645960595859575960596061596159635
9615963597259595965596159596159595959585959596160595960586159595858575
7575660595859606059635960585963615961575963596163586162585862615963645
7615860636061586060596359596362626259616061585655565759555857565562565
7575757575857575757575958566058565684696964696271565778575756565958585
6565757585858565656565857585657626261596161595759576159596058586058596
0615859575960577159586057645858585755555656565454545554535860586057565
6576462595855565958595960585857595858575556575659606056576057605655555
6545760565856555653555554545453535353635956575755626363655655575655595
8586060545656625656595858646059545758556055616259595761535968656776708
1895979567767615866726510262767688676060626655677576796257688573565356
6967675263537753605962586855595857546263545457597461625371916061695863
5553575150856565557364686461666463567860645958717355637464915559626570
7071605564756152475353615956675758565955636166695862526058695856596159
5664565949576554515146474951544948494749504951494648464752544952515649
5247515051515248484749504950495053535250505051504950495452515049524645
4951515656545151515448505249494949505848485250535452605053515357524749
5054546150555650555649515049545255505455486068535252504852505764545158
5552555052476354555453505149515049454457696453576963586962505751564853
5259514957485652585559545464716664645164536076728055615758616454615252
4343536058547352536952597158545067635360525258544557605755515266525061
5953494655606664506057565550495758484845425752556546524972544851574746
4649505270605461475260535153526352444850515653525953505262555063524963
5063705647545167795358594746537055465553555648545553555256675061535446
4156555948734854615645534650485053495148545552605454506150645657505365
5747497551545147475446435846505149527359705949525156584548444861637370
7562557249454243484542424242424244444348534442474746474142454944444849 49
4842424243454342454344464343465248444944454242465347444944454751546947
7053614544434549464845454644448455348504648484442414043404143394041414 0
4241414340404043424140414147424139414141424342414342414342414142414041
4041414141414141414042424241414141414040414242474241404041404244414165
4042434244414140414143404041414243424140414142414142424142414241414244
4341434143414243404342424144414442404144404240404041414341424347414241
4347424342414140444444434441394443414140494441464243444039393944465047
4647474543434242484448434645474141444150404142434347464946434443604747
4245424451434445494446464247484449434440415144434745484142514744504844
4846444339393938376065615454685945605349464856514351525742484739513939
3969404146536363695952604848504657545949444344504241515848456852474454
4357474248684966444146464543515660554453514250546153614647635050504544
6652514851474250414145414048453952554547476344103586895564541394141463

641504655815763475853475047494649494951515056684757484647594639495541 5
062616139454737433949504342464541534440454347464848434646404238495650 4
033586253504756425241463846465261424749566048464945583939474939403435 3
240384939504254444139494058484741394644455252464545403648413952465748 3
846514443504144383641393539353843625240413842383231384644354544514342 4
134463638423541484445434248545039374148574245364636415245443552434741 5
649424637484242564235454047356036504139413940393047444347464254454449 5
654574536414947433542393534414636454348455341434043363451415446484641 4
438373840574645434237534848554357395443553938476144374166384544384546 4
150404047373229384244403845454235403843413834353139373537363436363936 4
141464743485439333442383532383634413740404055394139654338404335403940 3
235363834354144384136395147364642383546384734414334373736303345313329 3
031323029303033322935303130303332313028303133313231353029313030313436 3
135353131352932372930323031343229302931313537303729303330313629333537 3
132302931302931372930332931362931353228293129303031372930332931343032 3
531353130333231293729303330313433293030303230293033322929323230323132 3
234303030303229313230313232303134293129393234283029302929303134373347 2
930293435333238333131303334333232333134353331313531343732333631333332 3
432303431343734373732302737303438353434413347362936303738363842383930 3
937403232343538363041403442364132333834343633403635363237343232343544 4
540464135383334343342344241373441474434465163100474374353262474134424 0
313539355534623145574638433872377241102394146434035333750593344313338 4
039383652333335334135434250333041343132313031313728303131293329333931 2
830323029292947282837283128313531293330333531343128323933303327323031 3
735303328283030302832313534292730303142302931282835332732304837293031 3
855283349402738323636332828442930292628283033272728282666343233315151 4
040312939324934373937382940303438433849303031333645363326313957323542 4
937423331434630423638473144342628395944314439323647313735343592333444 3
231292934322627333732303028303241312833272932403229442728373133353135 3
533332737362929262928303230283028292829292834282926323028292941333239 3
534343137282938313132293439343627293643273428263434322829273128312929 3
035293531363228313933323840293732282832382635342627332931373431293032 3
326232732262827283332483625402428293732323547292926293735252838323033 3
439462836262532323033253526283428262829393125292530412730282528225542 2
625262422232323222522242325252431272524332530303125292538242827322426 2
425213329282423292523282323282425262825272428262732442835272827292729 2
731372830303130482227283026262928333329323129333527273130302735282825 3
027293130372729332434302827302928252527303233333227323324242042362428 2
732292332292329332637303831212433213131432028275327283530423127342826 3
330282624293027383029312637483637322831314446342931412729382633372634 3

0303129324630464833412635255150315640523736372927253428242929342421332
9383922253526263126333631403144283132432928273136263031282930263129312
8302926302832343932353126362732304238353530323133264222262636362938233
0272835243033283439253029302926272929422628292935303138243040252633284
0283430262938243028383328252327353121383829254031342327294027283229332
5262434313135334836324029263527302322414134313545432631373836402931333
2303333392835252328222628272823303324233228312134262734304448263828313
6243537373125292723262226232027372931322926253023242423342520212223182
1181819192030222029211821202020202018202318202120192119242919221920212
1212023222322241920212325182023192620192519192121202624221924272223222
2212726232622202223242220232222242324222322222127242020242526284023272
2232732402927292339352618263227262931584819283630211924303143475127254
0353330283028312926213432383227522664412124322936202832262028405558244
0322248271828283338403739283531412926192322182633592621213218242423213
5223433252425302330492528364523182424172728424036382929261822292119292
0262724413423272634232037303244223838392322293144302225223135313521442
1293031162921252024282627193728282818172714202826211937182528232129312
9262021162723352020202117212931273020344732222638192341222438242616222
5242029262319292229343339282325322918272729252930303035263034312237213
0222823292125422134314022202225182035223450272527293821242233422730193
6202121333426193720252424253118182032342417372139261520233217272016262
1202432272644231935253520251420522930202515263121232122321722253020212
1252229263227392720213726202837262153365132262739242849202737282425162
5243338393615242330252127263127611840362627312925462436323321252525263
1343625252327392832352622232027252734173634292024182155213333354125282
5222625213531282520192631213123252425262423232232245225384045283823243
2323837212732422917192533322733202029272219222532273531412318302621532
1331918283435172820204116221820182526251721264425212127284341182424262
9212920272524271820272129191816203214292820142131302619153119191914252
6182315301419171419171633211914141936354417291812151421371716372012223
3261747212618252634242750153950374822212218462529204327224830251617313
6181830201929172923282312152610111011131818181218111414161313182516231
6302617161625252023201319492926314515142018202213231530324220322434141
8212321201818162824362215394517262722212025173543221730214744182618363
3232323293827141919351232241922141112202423181816131319172120827351415
2222254341201423234148331443193445462922372628322637251324151634144216
1534352130261836161724172918292819273119191421152224215019221823355528
5022232215141327201728311824242115203014455118291115331623182328372028
2712332131233414212029152620171821232825163428201933251522231738161818
2019431323151530153116191519223718171820201629163450222720271869202731

5725292614312116143225562929182521501723121921263120241522292130133039
2424253630291752181821322617291618432033281538562131364620317324191817
2919183945311418212919182226232028343547232930375029121532246748366658
2954191630225828151615171918293018181812381026234121122618181522152220
2340371810243342181614361526334416212024251111251215242430371815172325
1811192624662735141631123744206436403226211926263417281622405224352523
2115112271031232720201934332924241522141524141824334213185318161919221
9362644233116172812171862465821152139282418261722927517191723412018322
0331433241010461723142414122324272615311225333920152514182018142216193
6122328111624213310174024782843229161322242730151692712916182616148816
1915122018161315142431342621121817381426141413201717371620182316281314
1427182717141212211632171036163132301239113520141216161723193591828101
8101416349122311224882610242311162320231838272110141417292530242818182
3142129292191427273212171916184916142114104512930341311716191621134719
3230221718153237294113262641694526265224541129176232455618113098291710
3727492766354732484291516161829412828185927243251222219141813141619271
0162614283275162417827152919671946341718151811405316133127172024131925
1433451111151322261112141513819331921916343647231732161221331717291911
2018191632242120141733122613161432331920193520192127151476241212142027
1119291332292812301551173112152526131125213913122619202522111415172662
3020222091729910141220211410101291020161219132121152514173021152241361
5222514272181913918219131412131413101410931045435 5”

6.8.1.2 Fact: Rewriting Quran based on words and chapters at chapter level numbers

In this fact, Code 6.8.1.2, the text of Quran will be rewritten with respect to chapter indexes and number of words per chapter. Note that we already observed the same rewriting coding patterns exist in the verse level data in Fact 6.8.1.1. In this section, we observe that the same coding pattern exist in the chapter level data too.

Basically, for each of the 114 chapter considering the text type of 6236 numbered verse of Quran, we first **sum** the chapter index and the number of words of each chapter, which gives us the representation number of each of the 114 chapters. Since this is rewriting code, as usual, we place the representation numbers in place of each chapter in the text of Quran. Since Arabic is written from right to left, the representation number of the first chapter will be at the most right position. As the main approach of this book, we then concatenate these 114 representation numbers and get the single representation number of the text of Quran. As you will remember, this approach was also used and had worked at verse level in Fact 6.8.1.1. Therefore, it might show a particular pattern and be potentially interesting.

Let me first remind the numbers by presenting the head and tail of the table of the numbers at the chapter level.

```
tmp <- dfVCwl
tmp$cletters <- NULL
knitr::kable(head(tmp), booktabs = TRUE,
  caption = 'Table head of the chapters regarding numbered verses of
Quran.')
```

Table 6.10: Table head of the chapters regarding numbered verses of Quran.

Chapter_index	Verse_sum	cwords
1	7	29
2	286	6140
3	200	3501
4	176	3763
5	120	2837
6	165	3056

```
knitr::kable(tail(tmp), booktabs = TRUE,
  caption = 'Table tail of the chapters regarding numbered verses of
Quran.')
```

Table 6.10: Table tail of the chapters regarding numbered verses of Quran.

Chapter_index	Verse_sum	cwords
109	6	27
110	3	19
111	5	23
112	4	15
113	5	23
114	6	20

And, here is the proof.

```
x<-dfVCwl
tmp <- x$Chapter_index + x$cwords
tmpr <- rev(tmp)
head(tmpr)

## [1] 134 136 127 134 129 136

tail(tmpr)

## [1] 3062 2842 3767 3504 6142   30

tmpr <- paste0(tmpr, collapse = "")
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 367
```

As we see the remainder is 0 and thus the number is multiple of 19.

Here is the "367" digits length number of this evidence:

"134136127134129136118132123128137117130137140135192127168129121133163
145172228180159147194192252163185213258252258319239330273358298287329
3
694003203543062442392874125065336324354073964133644114234026085896915
3
339087990283512661216773902766813918133640458184710071466118613469211
3
431075130111951373990160115751860672844866180719571849251412503348306
2
284237673504614230"

6.8.1.2.1 Fact: Rewriting Quran with words and chapters numbers at chapter level with digit sum

In the previous fact, we observed rewriting of Quran when chapter and word numbers at the chapter level data is summed over the 6236 numbered verses. The same coding pattern exist in all the 6348 verses as well with a single difference. Instead of using sum operation, if we use digit sum operation we observe the similar rewriting with 19 based coding as follows:

```
x<- dfVCWL
tmp <- paste0(x$Chapter_index , x$cWords)
tmp <- sapply(tmp, digitsum)
```

```
tmpr <- rev(tmp)
head(tmpr)

## 11424 11327 11219 11127 11023 10931
##    12    14    14    12     7    14

tail(tmpr)

## 63060 52841 43767 33505 26144   129
##    15    20    27    16    17    12

tmpr <- paste0(tmpr, collapse = '')
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("Number of digits on this big number is", nchar(tmpr))

## Number of digits on this big number is 224
```

Here is the “224” digits length number of this evidence:

“12141412714141910151513869223423282517202323232531282518162223181928312826271916201412272226272522231812202433332524222117192228272629241619242910233033232531172118143021201816151718201831302228192024291717212122152027161712”

Further fact:

In the end of the related two codes, Code 4.1.2.3 and Code 4.1.2.5, we had observed a fact, Fact 4.1.2.6.2, between the digits length of these two codes that share the same pattern. I tested whether a similar fact exist between the current two related codes, Code 6.8.1.1 and Code 6.8.1.2. I observed a similar 19 based coding fact between the two as well.

As I mentioned before, these two codes, Code 6.8.1.2 and Code 6.8.1.1, share the same pattern and thus might be related. The relation between both of the numbers of the two codes is as follows. The tested number of Code 6.8.1.2 is 367 digits in length. The tested number of Code 6.8.1.1 is 12579 digits in length.

The **fact** is that, when we concatenate both of the digit lengths of these numbers, we get 36712579 and it is also multiple of 19 as if they complement each other.

6.8.2 Fact among Chapters and Words

Following the observation of Evidence 4.1.2.3, I decided to revisit the relation of the words separately with chapters and verses as well. I observed that there is also similar code pattern to Evidence 4.1.2.3 between chapter indexes and number of words in each chapter. All the technical descriptions is same as in Evidence 4.1.2.3, except in this code, we remove the verse sums and only look at the code between the chapter indexes and the number of words in each chapter. We basically used the default coding pattern, where we concatenate the natural numbers in the natural order.

Let me give the natural numbers of Quran at the chapter level to remind you the numbers we will use in this evidence.

```
x<- dfVCWL
knitr::kable(head(x), booktabs = TRUE,
  caption = 'Table head of the numbers at chapters in Quran.')
```

Table 6.11: Table head of the numbers at chapters in Quran.

Chapter_index	Verse_sum	cWords	cLetters
1	7	29	143
2	287	6144	26268
3	201	3505	15004
4	177	3767	16351
5	121	2841	12225
6	166	3060	12745

Again, for each of the 114 chapters, I first concatenated the chapter index and number of words in that chapter and obtained the representation number of each chapter. I then concatenate them from first chapter till 114. This concatenation approach is similar to what we observed in Evidence 5.5.1 and Evidence 4.1.2.3. I will print out this 571 digits length big number in the end of this chapter for your tests. This number includes all the verses, including the unnumbered Basmala verses of Quran. See below for the proof of this code.

```
# With 6348 verses chapter level data dfVCWL.
tmp2 <- paste0(dfVCWL$Chapter_index,
          dfVCWL$cWords)

head(tmp2)
```

```
## [1] "129"   "26144" "33505" "43767" "52841" "63060"

tail(tmp2)

## [1] "10931" "11023" "11127" "11219" "11327" "11424"

tmp <- paste0(tmp2, collapse = "")

as.bigz(tmp) %% 19 #Test if remaining is 0

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 571
```

This fact shows that chapters and words of Quran has a 19 based relation too.

Finally, here is the 571 digits length big number:

“1292614433505437675284163060733458124692505101843111950121799138571483415661161848171562181587199752013572111782212832310562413232590026132427116328144229982308213155432376331307348883578236734378693873939118140123041798428644384044350454924664947546485644935750377513645231653364543465535656383575795847959451603566123062181631856424665293662586733768305692647022171231722907320474260751687624777185781787918380137811088285831738411285113866587768896891439086915892759344943195389676973498989940100441014010232103181043710527106211072910814109311102311127112191132711424”

6.8.3 Fact: Pairing pattern with Chapters and Words

We already observed many codings exist at the chapter level data between chapters and words as in Fact 6.8.1.1, Fact 6.8.1.2, Fact 6.8.2 and Fact 6.8.1.2.1. Especially in Fact 6.8.1.2.1, we observed that we can also rewrite the text of Quran when digit sum operation is used per chapter level representation number. In this subsection, Fact 6.8.3, I will present a **fact**, which shows that the pairing coding pattern along with the digit sum operation exist at the chapter level data. It shows further 19 based relation between all the 6348 verses and the numbered 6236 verses of Quran as presented below:

```
tmp1 <- paste0(dfVCWL$Chapter_index,dfVCWL$cWords)
head(tmp1)

## [1] "129"   "26144" "33505" "43767" "52841" "63060"
```

```r
tmp2 <- paste0(dfVCwl$Chapter_index,dfVCwl$cwords)
head(tmp2)
```

```
## [1] "129"   "26140" "33501" "43763" "52837" "63056"
```

```r
tmp <- paste0(tmp1,tmp2)
head(tmp)
```

```
## [1] "129129"     "2614426140" "3350533501" "4376743763"
"5284152837"
## [6] "6306063056"
```

```r
tail(tmp)
```

```
## [1] "1093110927" "1102311019" "1112711123" "1121911215"
"1132711323"
## [6] "1142411420"
```

```r
tmp <- paste0(tmp, collapse = '')
head(tmp)
```

```
## [1]
"129129261442614033505335014376743763528415283763060630567334573341812
468124292505925051018431018391119501119461217991217951385713853148341 4
830156611565716184816184417156217155818158718158319975199712013572013 5
321117821117422128322127923105623105224132324131925900258962613242613 2
027116327115928144228143829982299783082130817315543155032376323723313 0
733130334888348843578235778367343673037869378653873938735391181391177 4
012304012264179841794428644286043840438364435044346454924548846649466 4
547546475424856448560493574935350377503735136451360523165231253364533 6
054346543425535655352563835637957579575755847958475594515944760356603 5
261230612266218162177631856318164246642426529365289662586625467337673 3
368305683016926469260702217021771231712277229072286732047320074260742 5
675168751647624776243771857718178178781747918379179801378013381108811 0
482858281831738316984112841088511385109866586618776877288968892891438 9
139908690829158915492759271934493409431942795389534967696729734973098 9
898949940993610044100401014010136102321022810318103141043710433105271 0
523106211061710729107251081410810109311092711023110191112711123112191 1
215113271132311424114 20"
```

```r
tail(tmp)
```

```
## [1]
"129129261442614033505335014376743763528415283763060630567334573341812
468124292505925051018431018391119501119461217991217951385713853148341 4
```

```
830156611565716184816184417156217155818158718158319975199712013572013 5
3211178211174221283221279231056231052241323241319259002589626132426132
0271163271159281442281438299822997830821308173155431550323763237233130
7331303348883488435782357783673436730378693786538739387353911813911774
0123040122641798417944286442860438404383644350443464549245488466494664
5475464754248564485604935749353503775037351364513605231652312533645336
0543465434255356553525638356379575795757558479584755945159447603566035
2612306122662181621776318563181642466424265293652896625866254673376733
3683056830169264692607022170217712317122772290722867320473200742607425
6751687516476247762437718577181781787817479183791798013780133811088110
4828582818317383169841128410885113851098665866187768772889688928914389
1399086908291589154927592719344934094319427953895349676967297349730989
8989499409936100441004010140101361023210228103181031410437104331052710
5231062110617107291072510814108101093110927110231101911127111231121911
2151132711323114241142 0"

```
```
as.bigz(tmp) %% 19 #Test if remaining is 0

## Big Integer ('bigz') :
## [1] 8

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 1142
```

Finally, here is the 1142 digits length big number:

“1291292614426140335053350143767437635284152837630606305673345733418124
6812429250592505101843101839111950111946121799121795138571385314834148
3015661156571618481618441715621715581815871815831997519971201357201 35
3211178211174221283221279231056231052241323241319259002589626132426132
0271163271159281442281438299822997830821308173155431550323763237233130
7331303348883488435782357783673436730378693786538739387353911813911774
0123040122641798417944286442860438404383644350443464549245488466494664
5475464754248564485604935749353503775037351364513605231652312533645336
0543465434255356553525638356379575795757558479584755945159447603566035
2612306122662181621776318563181642466424265293652896625866254673376733
3683056830169264692607022170217712317122772290722867320473200742607425
6751687516476247762437718577181781787817479183791798013780133811088110
4828582818317383169841128410885113851098665866187768772889688928914389
1399086908291589154927592719344934094319427953895349676967297349730989
8989499409936100441004010140101361023210228103181031410437104331052710
```
```

5231062110617107291072510814108101093110927110231101911127111231121911
2151132711323114241142 0”

6.8.3.1 Fact: Key Coding between Chapters and Words at the total level

There is also this coding exist between chapters and words at the total level. It may or may not be coincidence but I show it here as a fact.

There are 114 chapters and 77797 words considering 6236 verse or 114 chapters and 78245 words considering all the 6348 verses. We observe the pairing coding on these numbers as 1147779711478245 is multiple of 19.

This code stands as a potential key coding pattern of Code 6.8.3. Because, we observe this pairing coding pattern at the total numbers level and observe the same coding pattern on the chapter level data. However, as I do not consider any code with only chapter and words information as evidence, based on the defined rules of this book, I do not consider it as evidence. But, these codes stand as strong coding facts for future research.

6.9 Fact on the order of each words with letters

For the code of this fact, I will use the numbers of the below tables that keep all the descriptor numbers for each and every verse in order:

```
knitr::kable(head(unQuran), booktabs = TRUE,
  caption = 'Table head of all verses of Quran.')
```

Table 6.12: Table head of all verses of Quran.

VerseI	chapter	verse	vwords	vletters	text
1	1	1	4	19	بسم الله الرحمن الرحيم
2	1	2	4	18	الحمد لله رب العالمين
3	1	3	2	12	الرحمن الرحيم
4	1	4	3	12	مالك يوم الدين
5	1	5	4	19	إياك نعبد وإياك نستعين
6	1	6	3	19	اهدنا الصراط المستقيم

```
knitr::kable(head(nQuran), booktabs = TRUE,
  caption = 'Table head of numbered verses of Quran.')
```

Table 6.12: Table head of numbered verses of Quran.

VerseI	chapter	verse	vwords	vletters	text
1	1	1	4	19	بسم الله الرحمن الرحيم
2	1	2	4	18	الحمد لله رب العالمين
3	1	3	2	12	الرحمن الرحيم
4	1	4	3	12	مالك يوم الدين
5	1	5	4	19	إياك نعبد وإياك نستعين
6	1	6	3	19	اهدنا الصراط المستقيم

I will now perform the test with only words and letters together. Additionally, since we respect the order while concatenating, the verse and chapter orders information are also

implicitly considered in this test. Here, we do not use the verse indexes per chapter directly and thus we can use both types of the text of Quran. In this code, we basically concatenate number of words and letters in the natural order. However, since the coding pattern is not within the rules described in this book, I do not consider this code as an evidence. Because, with the current rules, I do never test words and letters alone for potential evidence tests and also since there is letters information, I only test such cases in reverse order as I consider them as rewriting codes. However, this code is worth keeping in the records and should be known to exist as is. This test works on the text type that incorporates unnumbered and numbered 6348 verses as follows:

```
x<- data.table(unQuran)
tmp <- paste0(x$vwords, x$vletters)
head(tmp)

## [1] "419" "418" "212" "312" "419" "319"

tmp <- paste0(tmp, collapse = '')
as.integer(as.bigz(tmp) %% 19)

## [1] 0
```

Finally, here is the 22999 digits length big number:

“4194182123124193199444191372784712528331147125311471049125111437291977167373411571772619198625102125323992078136634145391552082136019702811115701248231011363198019861143176810511469187984274110558478381258196918841050125383073727121156073018902095187728118602572410815701354125494520832380187117622497104511573714119772310193611452410223911354105229150157149231136328138104626108271073011911512713117679442510218721255104410442289743081249136525981961175918733312317761872175831141301131252145611472410310463111215701258186719832211530122146517761681187493317702711415541563311351979103714633012715542189451963414632130147372719751766311381787632115313501266104594224892091115713649379354318731123125723961768115022891866156225932912211611458512663816393916771354165515613212344185177765286178727120135925130624156522107146673290301212611012492497145783525103176514591252114916671249177220742093492143012722104259357247167226123261183918227122168114661465135472940177461933011445203331476428825122472002511135140844156527116634731281069381669542174316530114602401577271229415220822875018924102241184316967249391482497249211443917427123351483012513681665155720892811230134177945186114519871454177214521554129551321382810327118491964191372411531874113713504619715541347166614689432911624125241071150654187226107261221888115020811560

515532592218627113227926961462114711487271866241093513815522092176320801360837208121917332379535451871980834208694663031132136011597321547725251141554628321291670207514611366135493911521779321158343614493627116291202812013673314672914622912613521883947937114314622491155624991144114710422599135020771569177413543415714701465178110431149114423113114835152145915849401877239831125281272188114912571047136015691768943124516611362527529115513712310415701354629941241056331360125127107249921881987105013646261984401662510675291218937157145372830121187521681353832251072073947331511674135419781147156917771564115422871253177436146301222295937281201255239924108219920869381157211001145209514584318872973021853012111574192912516822811514581679371861991137015711363712718829918791355221071470209024106351571783114917635426542185582641461136083424991353125627108198840192229232158157818851568155512431461492051464944381772912120691454104020941143103718801138209520100251022913230125156516731665231051977271076273211892728114917631975219331139209848204361431873124924101135630135228722771557176122882812836168321626023516704017033172837271281264104031122239662281201062294156773014542182197913501146145433135269720812067114383621109735732219520721666177312454017829126221021143321291040124914623816329130207862814713313736161199116581885114518921148145314492210084317783716219902210363134128832145714601473261362513114581566136111431250114424995421618872612912501573501914192497532426127831137432016228119862711710477402410745207321412511924921880421573013429107239215701875211001769135214622499166413569382610640162341401352146824881249136414491971682812611315684119531140261171666512283313610452310428116158038158136811482410912542177271101668136313674721812622410425943112920921989197834139259684025981658249017711042197815702612821891663146774018691252452051682209213722411624104511962086271199371145167326100934218524100208652213261282299155964280136122861566229717704515329108114724102114241914691449125211421253311381666135394413561041251009372492929936175673237137136814541257124310413213311471768166093919762711113601466229028114105019672282177115621246115714632079942239014561564843281031765251051571271086352174227714593111322951771124817731036271059325212310312474517539160838241061458950155418691865125325922931152145821100734844956165917811666441712210249201291281769126216691359441871568186516539431559844134413532510321901360221002395126223105114818631139104030116125920962410015692911828110941104136151838281341038937187172719753112820962611722952083311451670231064016739128281221351371428362711842180351491775177584414613514437138197716641666939832291042186419141350145710431246636627945115611481673175713505214167361566125417702510552628130125412487342083311382294166916781664261112911011471

9741158371574016114622310410421570361502811010481887136214721568208719
9510453814632145835156529123177221769321139114413591471165714581139730
2711317712510713663513225113239683716666331563135311461354736840381562
4107198322934215912536331359166413591882188594093810441979231029411671
9341865113662462693273073441611465221140115511416254253174203121977841
5221666211001676228810472294124713802390114311602913924991036940188523
1094116515652089361531363228918743917211461569145915634117030129432223
2141832432002093177327118198118791141198014774017210521979261041564527
1364301329471042301221469731840518114022881040371532810429125125572873
3125614642699939104712527321044125073123898411669114841918891782634114
7114711512310173311521867229923103135863012542081218662624971254836103
9114921951358199512611048198216741769197212522193135821981881165916661
0463315035149208819881361136717763614018741367937177418681782103812441
0431455835331341250125320769372711526107207810391146259413544520913571
8852295941146432135229826133187423105167713561039136818792093115911452
4102188323992411016801044831209733170239618831240281132912323107231021
5641460291391984361603113429122167043176157123113135214771470157117861
6641563166514562293124722951781104511441662198222118261141255166417731
3641667191051679321682612524132241071262461901252937156711472093251032
7118843251121871167418821146147613561780261032390198630132188814591669
1671271132512822991774166516671685125424117238627101156137174161092084
2288186117612710931127941521991877221021778188212541656217914601554419
5222699291132812623101146215716301574146618862710417871042391381865145
4291231771166822844116626113431981145167227118188910461663271141148103
9176329971760228316661981124515601147114510422087156312497302281125311
3913521143218416585221563104420731976421411036421156510422590156125969
3513593413616601787229314691038114816776261039176473322851352104852616
8329131115127118728146124109228510448308332194156014531460156410452710
0938165524852387114541910369352598828198516643112722931147135610482795
1875166414621665391462310011502410094172714671161935114029113208123921
0383112314591038186612521758115519731042269411482073238619841556247619
6319721975186314521882166116657281865218114611250176828111228323851870
1147187384112441563186894813481460114852215541348271091343113030118125
7831271101574114221823613723789371979166520821886103763110449469429362
4941244165752010369371557187520771872104312461766146872926110835104215
6117699413181673419522631166416631663251067301557145916681243834135493
8177642019801873177794232138943239119762389196810361343104218733213119
8417681041113827115261122610410463212720861870251058411150229614571553
1139229229110124715541461833177273593917721035629147417711766261142488
2811130110166215655271244124862511453312324841663135037139187211531870

135112491347218122101103923849391146125612476272072939935145547169211051457626103611497301459176729123197923944191560261152410127111251122090155615585301454351219421986271071155451884218227118155873413541910115727302394167419671152838281065119313553913914531989251011974218283213581668187115644191672145416761975218626117114813503715733143291121778167810435237251662229014565183413844187178315591255134918841250421125321862510794315611355155826114186113549398391360945261091464125111421050632631103613604196257307398317279378349397297288335237269398367375217291152834114212636297427258337281245936422727931113952062462441741810464205191141420830520317104083062652241893772883573282952362662462952041672942314629404226234185236255243198415213155195245285255306303196241469519736156352142142031931462731983472862452241994218687368308407311459948104413471671157113492110011494227271039625104173211551349940156921862198198284420901567126422911043321182812214461873115310371878525156112631667728831176714587321251114812431038634125773493719651258239617711772146316611769156513542493207422922198156210422710329109197115751868251192511062973914511145199110431359241031681208932131176819831557156418768401041941176713561669124811522494136211567271865155124107944135722842294520156619711143735942124917752291125314518324192195125793113601761157231101149167194284323116135973121821468135318711252124511509362510812511253104594812501355124813598342290177111561657134872418671159104413486302187125819821976942945519251009441671145515681352188418742192251131358156410411996935145418731557228717811570113913639371248136011421460124614569361357125311401454135093019761453103711451253269215581460114727114147123921463197816679401461946945187083553022902172419114215693136271658114611446271042166173093911481978187519803412722109381731356321423315172517588372381155430129281291248281231470115013501241125016578281963156283020791139937231021367115216632812226111135913651051145419831892301181975843134911491249208593412511137621824103612431565827103816649291346241031248177610519403514893810342925911346135031015536233101351207812491977835154911485271147146552511491466942104862518682492419155195171452135283013451452144313451146834625626934104211518309321138155752414571038835187611411240103883411496299369341653835114711481246834835165014501040124613541035145514609371041736729114894183331629129115212511146114693318611256831103884310368299348361674935259813628397289315228336339417256275249374204149444166241038417523943104514464191252341563141912447308294151868519937523114410391037518134841452073211404195185153104162105182831031231221141462051962022933513021383151983010357272187103551792952111351974939841628834146083362315595301367104212391249519621165983726115197614611342104612491869837519157517659356209339

3627105157512481244176893782841820715171662281041239134483173083662712
4773231562013561244103893511421462176511369421349722621145215656231870
1247828838125017679352085187512591353197911504197311142157210441458835
1459942845837104472910486248377351142135313575267271352622228215538386
2915591351188013578391147104010491772837730166110451356135014551882114
6124720838438377339371145525831731135573583783473283573293973793611429
3473583352984283915831675629125112611461147210451465125110411669734631
2383840114319921157833630124973210372075114293572693893811571666125262
3525114213508328291043419104022861244114470262134612431345156193525101
1448104117722285938221023714417696234151252229893825108167614512094846
2410021819361143208915762712820891344104535148178593641811511461239714
6011459318418412710616742189166412598411877735165615601760155512452710
1104317677299411860186329136291229311145104112634419941931452152142042
1104273052852531562972862221104518522104113561356940156642117632610410
3051932138156283772562414552511173294241910421241519522848625727198583
9737738424630114812528339395197287277255235211045733124914478367289414
2110427271042167593752483811458441244104873010476228401247829522833521
1448522526248063262062672793672651783016651043630104762883483773152214
6184383672483493484011421863729419951261221873199411431781937115093793
8281021259146515631670145693873120859383515026121136894711491699198522
8717701566783501783482171361482031455198714582299331082183735381401044
3110611471570114872816671883104517762310238173848115350219198723103763
1539180271202286419944197322921666947125116701765942176283993794283813
5010401668218715652096198510519387347399441249728114810411149156983711
4894294913698377331669114417689371555165752211491355104694372673315641
2471455524144413521772136111481350126152711474201147228583616699359421
0451364944526124541913419627114511438381139829521832416620835623733732
5201038732625114683252194052052373093983751972362462672683573441652452
2732125162572694883131742031221967271143835525419315315420314423214838
6201357316523315829521419623628520417628522319623417419416418831626623
5226244176196203183186227284213164196214194194143117268295214187244143
1711403175266247254195169365169406284188295213157244143171140521423420
3175243162106239365183131044521316725414317114052131141852631742062752
2113893173132010415214187244143171140423114193552152031841831463182952
1422620414317114062932194252952293593751910418295214204165223134179355
2362552472952241821741952062372741641852241993431962872642041531641762
5517423321722521199241962431694710451043728166514567282074113519728361
1581569197794320852410612449451447114217771462827728114793383452313501
2531361839166913601147165538136124714591243281101358136113511042146873
1943114452883911471558739631124927104218916702082197814571444944124794

0932730932103883110371247421834728114514561670114213578331564186618711
1401352176315611151419134199381985125912552292136318671767103716641765
1049381481346936167233119197610421144271081550261061148291101559271092
0822073251009331457157517731869291081252105194410481675135218812077188
6261061349239262983415551265157413502597177320821566177584018841364633
7351142145872815581978218713628401770291092610528102217816701765261131
4671875196615591660196341913104011561043124510421270219074331120637188
6116116696401356271181352134719728321759136020762711712441887145723103
6271570166723901250730177473916771369281241988124384210452189251121989
1352145916621564199112656381356940728178652512531364145022841565166463
6157317659474191329831124683311421044229832152136083252694352694311586
2883914601140208313671464218516658311879271131660229294811451871634104
3156215571672228722851567145716569391151178318872811510371971941114614
5524811255208694219768321039419134193169478331872166783983527105145418
7015541776291122582186916541145301112187156615647301565104021781141259
7165819682292311222710041913831186624921763632103682514601455114216751
6661464156611561346831125921959491351145910521145186917757301144526419
1461124362628127281262914317808422298167663613582610514601355155724801
4683515523102176518851875167216741677136116791464176914642081251221456
3022324924819622751361176683531613658358386298331258231036226735137258
5702941139301261463146312672299198763412431562729833125584683717719401
4591892159341917671868321231050114616661661166629105135312512710719872
7109207416758351782198710452170269322851762935114612481254730104132143
1569341601454839134923100945207310511358187734130114714592489175272682
9165710359361038155741924100196822851143156313581362259117762410834115
2812728115188111476235183413842141841616624121248136772722941778167683
7166521991357114514551872251081044241003313219761983261113012025974191
2213314313317730830104512518361254145883811571555628523125593811467298
3115585174198307271347830124711456231050104483713569378397371558835623
9336221145114224927308357331039135310391142728732623516425145052383652
1524115794610497301243833125063362973173093611421141103711441463103483
5419211213213312735631518937417728124631341741962173521541672862472773
8729317414417524628521103662542052542010386335224226234194163143123145
1931672442031352472341973441552151962631362851942162342262342163272352
0420418522420524419526525420419520419419315418516625522418416311315626
4134203164184197325296235163162810041941973152031541931431641952710485
2152942432332342141741942141951852852431841941941441941941841941831442
2317418520419419521622421522626420529629521419420414210414524104741741
9314417516620315316315622420418529316419414317217630414315623316419419
4156221037104483212511038155073110486248347367221035832114473652063373

023931560321379333112216701366950733629114263093915498334204217286221146626104614548485265288386235227354225217215194214204151038114511401038630621114073741131393382793293642262815541034520623624417418423420417731103651841741962910453312616632310536138311263412224105229593152392962119851761126013671038208031120207734132136110401259114472819814167301558834833125815571241361481040832187726107145411481876177625971143228311431568155921851352166415519321242104514651150928115773414626241786227715749323415194520941673177741912629145613522198104227128167612531567136515621453837166315591347156762815623011913636317341987186913483914627101114114557271652301052393104023949371248238810411561228612501042136119821245135316731153104684142012532393125313691143136220821241733219814532076301181244103994463262372317601146842145832123943125962825104156712511770419124197337331775167483694014621567166719899402394251021989147452783412561878208494611482599115210551461167919931670414135117711142115019881255229126101939134617533012918721146281071240114332130135617511973123941912131043103819901253229019711660155919891356381523011434149187111522296938227522842410729118229112511264176813521663104114486291555726936177410501164629145793515668282072271231656216827115156211472277271091556419122136307278356238327321052114512501149208441993773112469341266155383311462183146073694052273293993610422511117775301253113873812499401140626734836626135312557311355124773018671134114673663642493314481042836104572917799361147104073493452952915697356276266226299377345221148831836842114413631352837827626419122138345176237268371039514628520626728625629629835931935624521623524627518314420422837733728629729314832524125073783652310348293122104182105247255206195193115274195221048725529317419126296319342089125341414571145197211421463166014611144137424102135515647321785135624942178166818701052145411471362125922781143146116768378424191262915722910618649451459259924742495197616751352943451931881281131766943271292595125413551875146032138104717731880207815601865228518792710741983518811881381673174201046630835167511442210814541348441722410463215651473271171248104573773316631565741104811401266850218611551555125813656353012941951915614191994199321116840527849251053715120859431461311412812427110198673718891452125212411977401792813028120146054249419166423981777941124818792812772830144105340159321292193271161891166519761045419314114472793693212531151520104552283773041993610361457837826934623623124562162141710411037834831933525622729524625155413411354124952572973262793613534192132132132133153133154154122115184185197325209376253195264204195239376289386235229389398325236265204196267287368346257347309328278377328315294257298291139134662151952562793072794373141916210392132132134144104173153175186216256221253520838629733 1

984528833732524727628931831728627831623629827731728940520727521733933939
397329331042104152541931251641451431331131531051851851641741531431451851
516621318318418414259941531718659471651114116541673311293143155197203155
518621413419416415415526413419415414418312932213311417520210620419315211
317419422731631728520828840835943521526938522624623416729623936627416729
314104193252373583242241684172941693872452994352231572951973693552042162
952093551862662651841751962141916292102103173184234176343175254204195246
204194214193174184194234196314194126274191035419418419177841983441963141
982741964041962652141951941921041931641951941994141993741932041952341931
441918419317419419419313419418419622419626419627419314315210414313314316
527527217213312312314312319420523521316416273194186254175253102928292114
172103162142102123123135253113104135215259472154195242525517317419315416
421314525732935632315525629210312422733628421630528417419520312311417417
422422419316728520420519418622520626310210516417419939114394036134837125
215741569176937153124322109271322099156428118135512572010539180251082169
155812562813814743919122942285419187323103219026115188115644716338167201
051782311392392241151973104010431564177315728379345122141911434118514601
251136025903716618983113423106281291673124523941147176810501872105110481
884135119871778419492201368136252221135619731563219121101562582194391732
080419114393493211462410132129166811541460124715721775941361644191252219
283710392310518719451879228815722188419178212511144221041466187020901790
187521851144419175911479491462135316821869105127122115916581159937198783
916791250529419421733013221732813181454321462590146473217723415325964191
557114929114219217822310712514619412622712124971779419933115318651042126
873483213531863113953193893872714591140124883015621554124212471255831730
934135215581349104041941651951841521321311393144175163134174135157333151
050210727213213727319626417523312728626524623103983962632341451851712474
168389381152104451872752111421040525126251941916284164204236271568516634
628730629623630317525943626942520414310211840114441441841431329312731623
520520517418416311415726624417523316417621317521420313417419416417415114
731431421041931741694021231662231021041529417415417210522522214421624518
421104273052842352441752452182852273583184294094441914517225251865726521
147941672862742194462031483173152352552142013493151353835125410371041157
141913499359337281037114693384113511344937113914521049527839103983110418
268241240166411451136727134413524193124155186245218306216269367326354195
228401151631835626931783294193122728210211313210416416418416417210313412
521213103104112539313619516294134122103125725029312313314210724517314314
210412518416418417314422521315310931519311310114441941742052462352341831
229315524384186265213146204174204144172123143123155174173931231741741 2

3125173114135216185175267274191140104973263583573373573710407298365231
0446348375236304199477291359830627933521729840947931114110424192132132
1321321331031531431431431331029518316314315317316518417311318316417212
7383166246216204183123164144183165265183165203156294193165263166243164
1841921031341621031241721321431631631742031652541621151962642242141621
1316624314295213184185233142122122106245181047145893216694192132132132
1321331421331421252741651941631441462551861641731628310294175266196253
1442041742021331742052041739316417932416525414313519936419283124164183
1131041441427311312310310211292841741141531231341351542141641531421021
2210210317314517292126243142124192104194193123163143143143143143163103
1331431431441431321131331341561931031541951851821051851883241931531731
4315518728418617417315211314416416315416518619934419211630524522285236
2241429316420722733830626417725624415292134163165224166323134198364196
3162742063031662441931431431241631493752141941962331321051851361831331
2313415414626418417315941419316213211315314413627940104014651465413414
3153133114162105194174123104192144162116194184125224153146173153143103
1131429423419415311312315313313931212416311214419619412414420315519315
4194173142103134136196183142113104153123132122122126254174174164153144
1342231341541916282123126166183126235263154173175183141149104051952342
0417620519943521520415420521313210419415415311520620417515414212214314
4162661931241594531763231341921231431531531531431232041341331531373073
9313419313314418311415211213416211213621312419316417312214417621521294
1916312515520418416313315417417416419413313312312414413313312419214293
1562641894241742141951841531431351841731141431331051831241551762631521
0212520419521519620937518419125662331111451678166694221834194203184163
1641363262262141921321321331131141841541772541451941917294175264244174
1441629413284192133143124145202114185214191641595241941441641541741631
4418314310419725519420418315419210423418726419419417520211520313214419
3163124154194164145195175194144195197317304195156194153175154194112941
2515419414495155205154194142828417520313”

6.10 Fact: Code among verse, words and letters

Regarding the general rules, we do not look at this particular combination of the text numbers. Therefore, I present this successful test as a fact for a record of information. We will not include this and any other facts in the probability calculations.
We will perform similar approach to Code 5.5.1 but with special verses, words and letters by concatenating them in the natural order with the verse level data of the text type of 6236 numbered verses as follows.

```r
x<- nQuran #6236 verses
tmp <- paste0(x$verse, x$vwords, x$vletters)
head(tmp)

## [1] "1419" "2418" "3212" "4312" "5419" "6319"

tmp <- paste0(tmp, collapse = '')
as.character(as.bigz(tmp) %% 19)

## [1] "0"

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 35134
```

There is also additional **fact** that complement the previous fact. The above fact exist in the 6236 numbered verses. The similar pattern also exist in all the 6348 verses. This time, we also compute the digit sum of each representative numbers of each verses before concatenating them as follows.

```r
x<- unQuran #6348 verses
tmp <- paste0(x$verse, x$vwords, x$vletters)
head(tmp)

## [1] "1419" "2418" "3212" "4312" "5419" "6319"

tmp <- sapply(tmp, digitsum) # digit sum of each verse
tmp <- paste0(tmp, collapse = "")
digitsum(tmp) %% 19

## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 12517
```

As we observed, in both of the text category of Quran, we observe 19 based codes as facts among verse indexes, number of words and letters.

6.11 Facts: on individual categories

In this section, I will present some interesting individual examples as facts but not as evidences of the general system.

6.11.1 Fact: The Chapters

$$c$$

$$114$$

The number of chapters in Quran is 114 and it is multiple of 19. Among all the others, Fact 6.11.1 looks like the most obvious one and easiest to count even manually. However, it is still an interesting fact of the text of Quran regarding 19 based coding system. Because it stands as an important clue that leads to the 19 system of the text.

Regarding the reference, the number of chapters and the divisibility of it by 19 were already known by all Muslims and there is no need to give a specific reference for it. God knows best, but in my humble opinion, when considered with the verse, "74:30. Over it is Nineteen", this so apparent multiple of 19 number 114 might be left so obvious as a clue (along with the 19 letters Basmala verse), so that Muslims get curious about the other numbers of the text of Quran and discover the 19 based coding system of the text of Quran in the end.

6.11.2 Fact: The Verses

$$v, V$$

$$6236 - 6348$$

The number of numbered verses in Quran was counted from the text computationally and shown to be equal to $6236(v)$ and the number of unnumbered and numbered verses together in Quran was shown to be equal to $6348(V)$ in Chapter 3.1.6.1. A reproducible test is provided in Chapter 3.1.3 for anyone who wish to reproduce these natural text numbers. When we combine them by concatenating in both directions to test, the sum of the digits of the two verse numbers v (6236) and V (6348) is equal to 38 and it is multiple of 19. It is easy to calculate but lets use the *digitsum* function again and save some time as follows:

```
tmp <- paste0(v, V, collapse = '')
tmp

## [1] "62366348"

tmp1 <- digitsum(tmp)
cat("The sum of the digits is:", tmp1)

## The sum of the digits is: 38
```

Fact 6.11.2 incorporates both of the verse numbers and show their potential relation to each other regarding 19.

6.12 Fact: Others

In this section, I present some other interesting codes that are not within the general rules but presented as facts.

If I do not observe a systematic pattern and can not set rules, I do not take individual interesting examples as evidence. But, I will still report some interesting numbers as a separate **facts** rather than evidence. In order to claim a number to be evidence, I always consider the set rules and accordingly count the number of potential combinations to be tested so that we can calculate whether the code is statistically significant or not. Another reason I record some interesting tested numbers as a **fact** is that, they might still be part of another coding system that I might not have realized yet but people might investigate further around them and might find a new pattern later and include them as evidence too. Thus, in this current fact, I will present an 19 divisible tested number as an interesting **fact**.

6.12.1 Fact: Totals

This fact is about combining sums of the totals of the main descriptive numbers per chapter.

Let's remember the tables with which we will compute the sums of chapters, verses, words and letters.

```
require(data.table, quietly = T)
require(DT, quietly = T)
knitr::kable(head(nQuran), booktabs = TRUE,
  caption = 'Table head of the numbered verses of Quran.')
```

Table 6.13: Table head of the numbered verses of Quran.

VerseI	chapter	verse	vwords	vletters	text
1	1	1	4	19	بسم الله الرحمن الرحيم
2	1	2	4	18	الحمد لله رب العالمين
3	1	3	2	12	الرحمن الرحيم
4	1	4	3	12	مالك يوم الدين
5	1	5	4	19	إياك نعبد وإياك نستعين
6	1	6	3	19	اهدنا الصراط المستقيم

```
knitr::kable(head(unQuran), booktabs = TRUE,
  caption = 'Table head of the all verses of Quran.')
```

Table 6.13: Table head of the all verses of Quran.

VerseI	chapter	verse	vwords	vletters	text
1	1	1	4	19	بسم الله الرحمن الرحيم
2	1	2	4	18	الحمد لله رب العالمين
3	1	3	2	12	الرحمن الرحيم
4	1	4	3	12	مالك يوم الدين
5	1	5	4	19	إياك نعبد وإياك نستعين
6	1	6	3	19	اهدنا الصراط المستقيم

From these tables we can compute sum of each columns of chapters and verses and combine them by concatenation and test them as below:

```r
# Get the number in the text type 1, all 6348 verses
tmp <- dfVCWL
# Compute the sums of the numbers of each of the 4 categories
tmp <- apply(tmp,2,sum)

# Compute the sum of the 4 descriptor numbers
tmps<- sum(tmp)

#Compute the concatenation of the 4 descriptor numbers
tmp2 <- paste0(tmp, collapse = "")

#Compute the concatenation of the 4 descriptor numbers and the sum
together
tmp2 <- paste0(tmp2,tmps) # 655563487824533283742398 5

# Get the number in the text type 2, the 6236 numbered verses
tmp <- dfVCwl
tmp <- apply(tmp,2,sum)
tmps<- sum(tmp)
tmp <- paste0(tmp, collapse = "")
tmp #"655562367779733070 9"

## [1] "655562367779733070 9"

tmp <- paste0(tmp,tmps)
tmp #"655562367779733070 9421297"

## [1] "655562367779733070 9421297"

# combine the obtained numbers of both text types by concatenating
x<- paste0(tmp,tmp2)
# should be: "655562367779733070 9421297655563487824533283742398 5"
x

## [1] "655562367779733070 9421297655563487824533283742398 5"

#Tests
as.bigz(x) %% 19  # Test if 0

## Big Integer ('bigz') :
## [1] 0

digitsum(x) %% 19 # Test if 0
```

```
## [1] 0

#represent 2/3 successes considering both ways
```

The fist column (Chapter_index) in the table is for the indexes of chapters (1 to 114) and the sum of these indexes, *as another fact is 6555, which itself is multiple of 19* and also one of the three numbers of interest for this fact. The second column contains the verse sum of each chapter and the sum of it, as we know from before, is 6236.

Further Fact: Code between chapters and Verses:

This fact is about the code between the chapter indexes and their corresponding total verses. The sum of chapter indexes (from 1 to 114) is 6555 and the sum of verses in these chapters are 6236. When concatenated, it provides 62366555 as the number to be tested. The digit sum of this number is 38, which is 2x19.

6.12.2 Fact: Code between general verse indexes and letters

In this *fact*, I present the code between the general verse indexes and letters. This code again mimics the rewriting approach and concatenates from right to left. This code uses the digit sum test and not aligned with the rules of the evidences and presented just as a fact. This code shows that when the general verse indexes and letters are concatenated, the digit sum of the resulting number is multiple of 19, when tested in all the 6348 verses.

```
## General verse indexes and letters
# 2 possible numbers; one test
x<- data.table(unQuran)
#The order of both is not matter as digit sum test has passed
tmp <- paste0(x$VerseI,x$vletters)
tmpr <- rev(tmp) # The reverse and other way both works as digit sum
test has passed.
tmpr <- paste0(tmpr, collapse = '')
as.integer(digitsum(tmpr) %% 19)

## [1] 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 37592
```

6.12.3 Fact: Code on letters digit sum at chapter level

This code shows that the digit sum of the digits of the numbers of letters per chapter in all the 6848 verses text type is multiple of 19.

```
tmp <- dfVCWL$cLetters
tmp <- paste0(tmp, collapse = '')
digitsum(tmp) %% 19

## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 410
```

6.12.4 Fact: Relation between words and letters along with chapter indexes

This code shows that the digit sum of the digits of the number of words and letters in each verse along with chapter indexes in all the text of Quran is multiple of 19.

```
#Chapters, words and letters
x<- unQuran
tmp <- paste0(x$chapter,x$vwords,x$vletters)
head(tmp) # head of the big number

## [1] "1419" "1418" "1212" "1312" "1419" "1319"

tail(tmp) # tail of the big number

## [1] "114414" "11428"  "11428"  "114417" "114520" "114313"

tmp <- paste0(tmp, collapse = "")
as.character(digitsum(tmp) %% 19)

## [1] "0"

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 34429
```

6.13 Further facts on Allah and Al-Rahman word positions

In the following subsections, I will presents some interesting coding examples as facts with respect to Allah and Al-Rahman word positions.

I already presented evidences on Allah and Al-Rahman word positions in Evidence 4.2.11.1 and Evidence 4.2.11.2. This chapter provides some additional interesting codes as *facts*.

6.13.1 Fact on Allah and Al-Rahman word positions when paired

In this fact, I will show that the chapter and the special verse indexes of the verses which includes Allah words and the verses which includes Al-Rahman words are together also have 19 based coding. Basically, we will **pair those indexes** between Allah and Al-Rahman words positions. The pattern of this fact is similar to what I presented in Evidence 4.2.11.1 and Evidence 4.2.11.2. In this sub-chapter, we will observe that the same coding pattern exist between the indexes of Allah and also Al-Rahman words.

```
# yunQ is for Allah word from all 6348 verses
# yunQ2 is for Al-Rahman word from all 6348 verses
tmpdf1 <- yunQ
tmpdf2 <- yunQ2
x<- tmpdf1
tv <-c()
for(j in 1:nrow(x)) {
  if(x$verse[j] != 0){#for all the numbered verses
    tmp <- paste0(x$Chapter[j], x$verse[j])
  }else{#For unnumbered Basmala verses
    tmp <- paste0(x$Chapter[j] )}
  tv <- c(tv,tmp) }
length(tv)

## [1] 1678

tmpa <- tv
#
x<- tmpdf2
tv <-c()
for(j in 1:nrow(x)) {
  if(x$verse[j] != 0){#for all the numbered verses
    tmp <- paste0(x$Chapter[j], x$verse[j])
  }else{#For unnumbered Basmala verses
    tmp <- paste0(x$Chapter[j] )}
  tv <- c(tv,tmp)}
length(tv)

## [1] 157

#Pair both vectors
tmp <- paste0(tmpa,tv)
#concatenate all the numbers
```

```r
tmp <- paste0(tmp, collapse = "")

as.bigz(tmp) %% 19 #test for 19

## Big Integer ('bigz') :
## [1] 0

nchar(tmp)

## [1] 10313
```

You can access this 10313 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Fact_7.3.3.txt

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Finally, here is the 10313 digits length big number:

“1111213272292163210321542175220622372268227102551126012261132641426715270162731727417110275182761927719452791958280196128319692851975288197828919852901987291198829419932971996298202101205210220902103201092106212107212621092136211021422114211122115222116232118242120252132255921372560213825632139262140265214327214427302148282149292153302154312158322159332161342164352165362167361121693615217036232173365221743721763821813921824021854121874122189422190432192431921944320219543362196434521974421984521994622004722034822044922065022075033220951221052221153221354221455221555122175622185722195822205922225922222360222461222562222663222764222865222966223067223167322336719223567202237672922396822426922437022447122457222467322477422497522517622527722537822557837225778382258792259802260812261822262832265842266852267862270872272882273892275902276912278922279932281942282952283962284972286983993210034101351023710339104310105311106313107315108318109319110321111323112328113329114330113311333223332163337333943405342634573478349103501135112352133541435515359163611736217110363183641937019453731958375196137619693771975378197837919853811987383198838619933871996389203922053942090395201093972139821263992136310121423102211123103223107233108243109253112255931132560311625633117263119265312027312227303123283126293130303132313135323140333141343142353144363145361131463615314836233150365231523731543831553931564031574131584123159423160433162431931634320316443363165434531664431674531694631704731714831734931745031765033317751317952318053318154318255318355131875631915731955831985931995922320060461416245634964411654126641

3674146734156719416672041767294196842369424704267142872429734307443275
4337643477435784367837437783843979440804428144382446834478444885449864
5087452884548945690458914599246193463944649546996470974729847399474100
4751014761024771034781044791054801064811074821084831094841104851114861
1248711348811448911490134922493216349434954496549764997410084102104103
1141041241051341061441071541081641091741101711041111841131941141945411
6195841181961411919694122197541231978412519854126198741271988412819934
1291996413020413120541332090413420109413521413721264140213641412142414
2211124143224146234147244148254149255941502560415225634153264155265415
7274158273041602841642941653041663141673241683341693441703541713641733
6114176361553623513652523753385439564057415841259425114351243195134320
5144336515434551644517455184652047521485234952750528503353151533525345
3535545385553955154056541575425854359544592254560547615486254963550645
5165552665546755567355667195576720560672956468567695717057271573725747
3576745807558576587775887858978375917838592795948059581596825978359884
5100855101865103875104885105895106905108915109925110935112945115955116
9651179751199869963100614101617102619103621104631105633106634107635108
6361096371106391116401126461136471146501165313656266221636643670467156
8066887690869110693116951261021361071461081561091661111761141711061161
8611819611919456121195861241961612519696128197561361978613719856138198
7614019886142199361441996614520614820561502090615120109615221615721266
1592136616421427211127262272823730247322573325597372560743256374426745
2657492775027307542875629759307623176532769337703477135773367743611785
3615786362378736527893779938710139710540713141714041271584271644371694
3197178432071854336718643457187447188457189467190477194487196498508150
3382518752810538135481655817551818568195782058822598235922824608256182
7628286382964830658336683467836673837671983967208406729842688436984470
8457184672847738487484975851768527785378855783785878388607986180862818
6382864838668486885869868708787188872898749087591919292939394949595969
6979798999991410091510191610291710391810491910592010692210792410892510
9926110927111928112929113930114931119321393429362163937393849405941694
3794689481095111952129551395914960159611696317964171109671896819970194
5971195897219619741969975197597771978978198597919879801988981199398319 9
6985209892059902090993201099942199621269972136999214291002111291022291
0423910524910625910725599109256091112563911226911526591162791172730911
8289119299120309121319123329127339129341035103361043611105361510636231
0113652101637101738101839102140102241102741210304210314310324319103443
2010354336103643451037441038451044461045471046481049491055501058503310
5951106052106253106454106655106855110695610715710725810815910825922108
5601095611010062101046310106641010765101096611671126731146719116672011

1367291114681118691119701120711126721129731130741131751133761134771141
7811437837115078381154791156801161811163821164831173841178851184861186
8711928811101891111390111159112921223931238941239951240961252971266981
2679912681001276101127910212801031283104128610512871061288107129010812
9110912921101296111129911212107113121081141311132131382131121631313313
1641317513206132171325813261013271113281213311313331413341513361613371
7133817110133918141914219451431958144196114519691461975148197814919851
4101987141119881412199314191996142020142120514222090142420109142521142
7212614282136143221421434211121438221442231446241447251451255915256015
6925631596261626516127169273016182816202916233016263116283216313316333
4163535163636163736111638361516413623164536521648371651381652391653401
6614116704121671421672431673431916744320167543361676434516774416794516
8346168747168848169049169150169250331693511694521695531696541610455161
0555116106561610757161085816112591611459221611560161166116128621763172
2641733651739661794671797673179967191711067201867291846818156918167018
1771182172182473182674183875183976184377184578186978371978381930791936
8019488119498219588319768419818520862088720148820618920989020114912192
2122932166942167952198962297222982239922610022710122810222910322101042
2111052212106221410722151082216109221711022181112223112222511322281142
2301122321322342223521632236322374223852239622407224782252102254112258
1222591322601422611522621622631722641711022651822681922691945227019582
2711961227219692273197522741978227519852276198722781988231993231419962
3232023242052332209023382010923912123116212623117213624214224221112245
2224723249242410252413255924142560241525632417262418265242027242127302
4222824252924303024313124323224333324353424363524373624383611243936152
4403623244136522442372443382444392445402448412450412245142245243245343
1924544320245543362458434524594424614524624624634725482517492541502555
5033256851257052257153265426895526935512610856261105726126582613159261
4459222615060261636126179622621363262276427652786627967272467327266719
2730672027366729274368274569274670274771276072276173276274276375276476
2765772779782787783727887838287928138028278128308228498328508428568528
6086286887287088287189287290287691287792287893288094288195288296288797
2888982999293100295101296102291010329111042916105291710629191072920108
2922109292311029241112925112292911329361142940112941132942229442163294
5329504296052961629627296382965102967112968122969133014305153061630817
3091711030101830111930171945302919583030196130371969303819753039197830
4019853043198730481988305019933054199630562030592053060209031201093162
1319212631112136311221423116211123118223120233121243122253123255931252
5603126256331272631282653129273130273031312831322931333031343132323243
3333433135332363333611334361533536233363652339373312383315393317403318

4133194123321423322433323431933244320332543363327434533294433304533334
6333447333548333649333750333850333339513340523341533346543347553348551
3350563351573352583353593354592233556033566133576233596333626433636533
6466336667336967333706719337167203373672934683486934227034247134277234
4773357435175352763537735478355783735878383511793513803515813517823518
8335228435278535288635298735318835328935389035409135419235439335449435
4595369636479736749837993723100373510137401023774103378610437102105371
2610637128107371521083715910937160110371691113811238261133865114391139
1133922393216339433964397539106391173914839161039171139181239201339211
4392215392316392617392917110393218393519393619453937195839381961394219
6939431975394519783947198539521987395319883956199339571996396020396120
5396220903963201093964213966212639672136396821424021112402224042340102
4401225401425594016256040172563402026402126540222740282730402928403129
4033304034314035324043334044344045354048364055361140563615406136234062
3652406337406438406639406940407441407741240784240794340814319408543204
1433641144345411544411945412146412247412848413049413350415250334251423
5242553426544285542105514213564215574216584217594219592242216042236142
2462422763423164423665424066424467424667342476719425167204253672943684
3636943647043877144724418734419744442754576452774557845678374587838451
0794512804514814519824522834523844526854532864535874688462894649046591
4689246109346139446179546219646239746269846289946311004632101463310247
1034711044731054741064771074791084710109471111047121114716112471911347
2111447231147261347282472921634732347334473454738648748284831048411485
1248613487144810154811164814174815171104816184817194818194548191958482
0196148211969482319754824197848251985482619874827198848291993491996491
2049320549720904982010949921491021264912213649132142491421112491522491
6234917244918255025595026256051256351502651512655158275227305227285243
2953305323315326325358335434553556365736115753615579362357103652571137
5714385716395717405718415720412572142572243572443195725432057274336572
8434557294458455814658247584485854958650587503358851589525810535811545
8125558135515814565815575816585817595818592258196058206158216258226359
6459265593665946759567359667195976720598672959136859166959187059197159
2172592273592374592475607660477606786077837608783860979601080601181601
2826013836184613856148661587616886178961890611191611392611493629462495
6259662997621098621199631006311016321026341036351046361056371066391076
3111086410964611064711164111126412113641311464141164161364172652163651
3652465356546655765786510106511116512126613661146621566316664176661711
0668186610196611194567195867919616726196967281975681978691985701987703
1988711993713199671420711520571252090722010972421725212672721367212214
2721821112721922722223722324732573202559742560743125637456267526576277

6627307692876112976303077317832793379253480358136812936118236158336238
4365285378638873987740884188244128942904391431991134320924336934345944
4954595846964796144897499850982503398551988529953100541015510255110356
1045710465810559106592210760108611096211063110164110265111661126711216
7311226719113672011467 29”

6.13.2 Fact on Allah word positions and frequencies with concatenation

In this fact, I will show that the general verse indexes, the chapter indexes, the verse indexes and Allah word counts have also 19 based coding in the numbered verses of Quran with respect to their concatenations as follows.

In this fact, we concatenate the general verse index, the chapter index and the number of Allah words in that verse. For example, the first Allah word in the numbered verse of Basmala verse in the first chapter (Al-Fatiha), which has also the first general verse index. Thus, we get this representative number for it after concatenating in the natural order: 111. Similarly, the following verse with Allah word is at the general verse index 14 and in the second chapter with one Allah word. Thus, we get this 1421 as the representative number for it by concatenating in the natural order. This is done for all the verses with Allah words in it. Then we concatenate all of these representative numbers with each other in the normal order of the table. Then we get 9742 digits length big number and it is multiple of 19. Here is the proof of this test:

```
y <- ynQ #ynQ is from 6236 verses
head(y)

##    Gen_verseI Chapter verse countW
##         <num>   <num> <num>  <num>
## 1:          1       1     1      1
## 2:         14       2     7      1
## 3:         16       2     9      1
## 4:         17       2    10      1
## 5:         22       2    15      1
## 6:         24       2    17      1

tmp<- paste0(y$Gen_verseI, y$Chapter,
             y$countW)
# head side of numbers of each verse
head(tmp)

## [1] "111"  "1421" "1621" "1721" "2221" "2421"
```

```r
tmp <- paste0(tmp, collapse = "")
as.bigz(tmp) %% 19 #mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0
```

You can access this 9742 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Fact_7.7.4.txt

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Finally, here is the 9742 digits length big number:

“1111421162117212221242127223021332234226221672168227121742177218021812282218321842186218723902192219521962297229822101211042110521108221092111021113211142211622117221212112222123211252112722139211442114522146211473150231512115522156211602116121165221662116821171211722317421176211772118022181221832118821189211922219424196211972219921201222022220322204212052120622207212102221121213212142121621217222182222022221222222122422225222262122722229222302123121232212332123421235212362423722238242022242232442124621249212502225122252212532225422256232582425921260242622126421265222662326721268212692127221273212742127721279222802228222283212852128621288212892529021291212932129531297312983130031302313033130431306313083131131312333143131631321333223132331324323253232631330323323333133531338313403134232343313443134532347313483135231354313553235631357323633136632368313693137032371333723237431376313793138031382313873138831390313913139232394313953139633400314013240231405334063140931410314123141331415314163241932423314253142832433314343143531437324383143931441314433144531447314483244931450324513145233453324553245631457314583145931460314623146331464324663146732469324703147233473314743247531476314803148431488314913249232493314944249841502415044350541506425074150841509415104351241516415174251941521415224152341525435264152743528425294253041532425334153541536415394154041541415424154341545425474154941551435524255441556415574356242563415654156641567425684156941570415714257241573415744157541576415774257841579415804258142582415834258542586415874458844589415904159242593445954159641597425984159942600416014260241603426044160643607416094161141612426154261641618416194162042621416224162342624426264162742628416304163342634426354263641639416404264141642641643416454164641648426504165142653416574165842659416604166141662416634166441366641669426705167153672526735467551676536775267851680536815

3682516835168451685516865268751689516905169252696516975170051702517035
1704517075170852709517105371151712517135271451716527175371853719517205
1721517235372451725527265172952733527365174051741537425174351745517495
1754517565275752758527605176151763527645276551766537675276951770517725
2773517745177551777517785177951781517845178552786517885279261803618066
1808628106182061822618236182461825618266182861829628356283661839618426
2845618516185361859618606386961877618796188063882638846289161896618976
2898619006190361905619076190861910619136391462917619256192661927619296
2931619336393461937619396194061941619466194861953619807198272984719867
1987719917299771998719997110037110047210087210107110137110167110197110
2371102471102571102773102871103971104071104171104374105372105571105971
1085711094711112711118711123711132711139711140711141711142711143711144
7111487111507111618211628111678211708311738311768111778311788111798111
8081118281118381118481118581118781118881118981119081119382119481119681
1197811199811200811202821203821204821205811206821207811208811209821211
8112128312138212158112188112208312218112228112238112248112268212288112
2982123081123181123281123481123582123691123792123893123991124091124191
1242921244911249911250911251921252911253921254921255921257911259921260
9112619112629112639212649112659312669112679212699212719312729212739112
7594127691127891128191128391128692128791129091129494129592129691129891
1299911302911303921305911306931307921309921310911312911313921314911315
9113169213189113209113249113259113289113299213319113329113349313359113
3792133992134091134191134291134491134693134791135092135192135291135392
1354911355931356911358911362911364911367102136810113691011370101137510
1138010113811011382103138510113861011391011394101139510113961011398 10
1139910114001011401101140210114081011409101141010114131011419101142210
1142310214241021426101142810114301011432102143310114351021436101144510
2144610114491011459101146410114681021470101147110114731011475111147711
1147911114861111487111149111214921111493111149911115021111503111150411
3150611115071111514111151611115231111527111152911115341111536111153711
2154611215511111557111155911115651111574111158611115881111619121163412
1163512116361211648121166212216631211664121167212116751211676122167912
1168212216831221684121168612216871211688121169212116951211703121170412
2170913117151311718133172013117231321724132172713117281311732132173313
1173413117351321738133174013117411311743131174413117451311746131175214
1175314117541411755141175614117581411759141176014117611431762142176914
1177014117711421772141177414117751411777143177814117821411784141178814
1179214117961411797142180114218711511898151190216119101611919162192116
1192416119271611929161193216119341611936161193716219381611939161194216
1194616119491611952161195316119541611962161197116119721611973161197416

1197516119761611977161197816119801611984161198816119891611991161199216
3199316119941611995161199616219971612005162200616120071612008161200916
1201316320151622016162201716220291612051171206217120681712123171212617
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1523766252396625240661525067152676715269671537870154227115423711543471
1544471154517215452721545472154597215465721546672154697215470722549573
6552674255517415597761560076156027615621762573779158298115955871599188
1605691261069516120961613298161359816138981618510416214110162151101622
2112162231121”

6.13.3 Fact: General verse indexes, Chapter and Special verse indexes

In this **fact**, I will show that the general verse indexes, the chapter indexes and the special verse indexes in each chapter with Allah words in it have also 19 based coding in all the verses.

This fact concatenates each general verse index, chapter index and special verse index that have Allah words in it considering all the 6348 verses. We then concatenate each of these representation numbers in its natural order. The resulting 12126 digits length big number is multiple of 19.

```
x<- yunQ #all 6348 verses
tv <-c()
for(j in 1:nrow(x)) {
  if(x$verse[j] != 0){#for all the numbered verses
    tmp <- paste0(x$Gen_verseI[j], x$Chapter[j], x$verse[j])
  }else{#For unnumbered Basmala verses
    tmp <- paste0(x$Gen_verseI[j],x$Chapter[j])
  }
  tv <- c(tv,tmp)
}

# head side of numbers of each verse
head(tv)

## [1] "111"   "82"    "1527"  "1729"  "18210" "23215"

tail(tv)

## [1] "6325111"  "6331112"  "63321121" "63331122" "6336113"
"6342114"

tmp <- paste0(tv, collapse = "")
as.bigz(tmp) %% 19 # mod 19 must be zero

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this
    big number is", nchar(tmp))

## number of digits on this
##     big number is 12126
```

You can access this 12126 digits length big number from the following link:

https://github.com/quran2019/Quran19/blob/master/Fact_7.7.5.txt

One can just copy the big number and paste it into a web based big number calculator and test it herself.

Finally, here is the 12126 digits length big number:

“1118215271729182102321525217282203122334226352276325568260692617226475267782708127382274832758427685277872798828091283932859628897289982909929110229410529710629810921011102102111210311421061152107117210911821101222114123211512421161262118128212014021321452137146213814721391482140151214315221441562148157214916121531622154166215816721591692161172216417321651752167177216917821701812173182217418421761892181190218219321851952187197218919821902002192202219420321952042196205219720621982072199208220021122032122204214220621522072172209218221021922112212213222221422322152252217226221822722192282220230222223122232322224233222523422262352222723622282372229238223023922312412233243223524522372472239250224225122432522244253224525422462552247257224925922512602252261225326322552652257266225826722592682260269226127022622732265274226627522672782270280227228122732832275284227628622782872279289228129022822912283292228429422862953297322993430035302373043930531030631130831331031531331831431931631213183233233283243293253303263313273323283333323373343393353403373423403453423473443493453503463513473523493543503553543593563613573623583633593643653703683733703753713763723773733783743793763813783833813863823873843893873923893943903953923973933983943993963101397310239831034023107403310840431094073112408311341131164123117414311941531204173122418312342131264253130427313243031354353140436314143731424393144440314544131464433148445315044731524493154450315545131564523157453315845431594553160457316245831634593164460316546131664623167464316946531704663171468317346931744713176472317774743179475318047631814773182478318348231874863191490319549331984943199495320049644974150145505495074115084125094135104145114155124165134175154195194235204245224265244285254295264305284325294335304345314355324365334375354395364405384425394435424465434475444485454495464505484525504545524565544585554595574615594635604645654695664705684725694735704745714755724765734775744785754795764805774815784825794835804845814855824865834875844885854895864905884925894935904945914955924965934975954995964100598410259941036004104601410560241066034107604410860541096064110607411160941136104114612411661441186154119618412261941236214125622412662341276244128625412962641306274131629413363041346314135633413763641406374141638414263941436424146643414764441486454149646415064841526494153651415565341576544158656416066041646614165662416666341676644168665416966641706674171669417367241766735674516755267653677546795668057681586825968451168551268651368751468851568951669051769151869352069452169652370052770152870453170653370753470853571153871253971354071454171554271654371754471854572054772154872254972355072455172

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4892617093618294619195619995862009662149614622097622698622898262319856
2349886235996244100625610162681026277103628110462871046629110562971066
3021076310108631410963211106322110163231102632511163311126332112163331
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7 Discussions and Copyrights

I finished all the evidences that I hypothesized and provided their reproducible tests. In this chapter, I want to share my own subjective thoughts on various topics regarding Quran and the 19 based coding system of its text. I will also share some of my personal thoughts about Quran and Islam. I ask you not to believe me straight away. I suggest you to compare what I express about Islam with the message in Quran and in the end make your own conclusion. I am no expert in Quran and those are the subjective thoughts of an ordinary Muslim.

> “those who listen to what is said and follow the best of it. These are the ones (rightly) guided by Allah, and these are (truly) the people of reason.”, Quran, (39:18)

So, you do not have to listen to experts only but you are the one who needs to use her mind and decide what is best for you and follow it.

Reviews, feedback and contact

First of all, what I presented as system in this book might still include some errors that I might not aware of. I performed this study all by myself and had no one to technically review this work. If in your ability, please do your best to review my codes and evidences and their rules and the book in general and provide some helpful critical reviews as feedback. For this, you can reach me on Twitter, in English via @galtay19, or in Turkish via @gokmen_19. Recall that I might have many mistakes as this book is too technical and too

many codes exist. So, feel free to test the codes yourself. I did my best to define the rules I observed but there might be better definitions of the rules and they are open to improvements in the future. I will first publish this book as only online e-book. After a while, regarding feedback, if needed I might update the online version and then publish a printed hard copy of this book. This book was first published online on 2019-09-07 and lightly revised once on 2019-12-31 and then I made a major revision by November 2020. At last, made the final upgrade by some newer evidences.

Between these times, I did not have serious specific objections on the coding parts of the evidences. I, myself, had some concerns about its complexity and simplified the rules and updated the book first on 2019-12-31. By the 19th September 2020, I discovered even and odd based evidences and reorganized the rules and presented them within the **Main 19 system** in Chapter 4.1.2 along with the previously available chapter Al-Fatiha coding based evidences. At last, on 2023-12-5, I upgraded the book with significant improvements by some new codes like Fibonacci based and other key coding pattern based evidences and also my last discovered evidences on the iron verse. However, this book mıght still remain as an online book for some more time for review purposes.

The 19 based coding system I presented in this book might be just the tip of an iceberg and I do not know how much of it I could discovered and presented in this book. Since I concluded that I have discovered sufficient and substantial evidences suggesting that there is 19 based coding system in the text of Quran, I wrote this book based on the system that I could observe via my analysis on the text. If there is any substantial error in the book, it would be solely my unintentional mistake. Then, I would definitely take necessary actions to correct the mistakes. All the inferences are based on my own evaluations and some of them might still be incorrect too. If I say or mean any statement like "what we witness is a design of God", this means it is my subjective conclusion based on my analysis and inference and not necessarily the absolute truth. Allah knows best. I never claim what I present in this book is the absolute truth as only God knows the absolute truth. Therefore, all my claims must be scientifically critiqued and readers should make their own judgment based on what I present. In case if you do not have sufficient statistics and mathematics knowledge, I suggest you consult expert people around you, who you trust on their judgment.

Lastly, there are some clear simple evidences around Basmala, for instance, it has 19 letters and used 114 times in Quran. I did not include the known evidences in this book as I tried to introduce only novel discoveries in this book. So, if you come across any other evidences of someone else in another publication, which does not contradict with the rules of the 19 system of this book, feel free to consider them as other additional evidences of the system I presented. In short, I do not exclude any other available evidences but just do not include them in this book to make sure I present the new 19 System I discovered with the new evidences only.

Future works

This book was like my hobby project and I wrote it in my spare times after work times, mostly during weekends and on my holidays. Since my spare time is limited, I could not test all the possible hypothesizes I had in mind. I encourage people with the ability and interest to investigate more on this and try to find other potential evidences. However, do never jump on a number as evidence as soon as you see it as multiple of 19. Check if it fits into a system of meaningful rules that you can define in. This is why I provided some 19 based codings as isolated **facts** but not as evidences of the system. This book have sufficient examples for this types of approach.

Especially, I would suggest investigators to investigate the text of each chapter separately. Also, there are already many suggested evidences in the literature about the *Hurufu mukkatta* letters (also called as "disjointed letters" or "mysterious letters"). I have some new evidences on them but I could not study all of them thoroughly. The first reason is that there are already many evidence claims on them. Second, they do not appear in all the chapters and in this book I tried to cover evidences that support the intactness of the **full text** of Quran. However, they are definitely worth investigating. My book also is a supportive evidence for the functionality of those "mysterious letters" and shows that they are essential so that all the 19 based system I presented in my book holds. Without them, my system also collapses. However, I estimate that there may also be more specific evidences over them. I refer interested readers to the evidences in my book and the already available evidences available with an easy search over internet. I do not cite them here as I did not test them myself and not fully sure if the other available proposed evidences on the "mysterious letters" are correct.

Another suggestion would be is to work on per chapter. For example the 9th chapter (At-Tawbah) has 11115 letters and it is multiple of 19. Also, the 9th chapter (At-Tawbah) has 129 verses and when we write all the numbers from 1 to 129 and concatenate them, the big number is also divisible by 19. As it seems in the 9th chapter (At-Tawbah), some chapters might have particular protection as it might be necessary! Each chapter worth investigating individually.

In the first version of this book I had written the following paragraph as future work:

> "Another further study can be performed regarding the odd and even chapters and also verse sums of each chapter. There are some early simple examples in that direction such as the one in amazing19.com. They might be extended using the similar approaches I presented in this book."

In around early September 2019, I myself performed this future work that I had suggested in the first version of this book. As a result, I ended up with all the even and odd pattern

based evidences that I presented within the **main 19 system** in Chapter 4.1.2 along with the previously available chapter Al-Fatiha coding based evidences.

Another future work might be to try similar codings on the alternative Quran texts that might be considered more authentic. Feel free to use the R programs I provided in this book and try similar 19 coding trials on the Quran texts you might consider more suitable for text analysis.

My personal message to non-Muslim readers

If you read this book and concluded that the text of Quran has a supernatural design, then, in my humble opinion, I suggest you to read its content. Before doing that, I would like to also suggest you to forget about any prejudices you might have about Muslims and consequently about Islam. To really understand the content of Quran, one should assume that this is totally a new book to read and just try to understand its message. Basically, forget about what you know or observed about Muslims, good or bad, and just read Quran without comparing it at all with Muslims. Because, things that you may consider negative about Islam are most likely not sourced by Quran but sourced by the traditional Muslim belief or simply the culture.

Long story short, I suggest you read Quran as if it was only sent to you from your Creator and try to understand the message as is. Islam is just whatever is written in Quran but nothing else. Islam is not what you see by looking at Muslims' life in general. Also, I suggest you never fully believe any historical reports, except Quran, about Prophet Muhammad. Prophet Muhammad is already best and most truthfully reported in Quran by God.

The gap between Quran and the traditional Muslim belief

Unfortunately, in our current time and probably for a long time, traditional Muslims, which are most of all, have a big gap between Quran and themselves. Most of the non-Arabic speaking Muslims do not even read the translation of Quran in their own language to understand but just recite from its Arabic text without understanding what God tells them to do. This insane practice is so pervasive among non-Arabic speaking Muslim countries. This is not because people prefer to do it themselves but they usually have been instructed and encouraged to do so by the scholars or imams. Traditional Muslim belief dictates the idea that ordinary people cannot understand Quran themselves alone and they *must* listen to scholars who are expert in Quran and the other sources. They do not stop there and even dictates the traditional idea that Quran is not sufficient to understand alone and one **must** consider those claimed hadith reports (written down about, roughly speaking, 200 years later after the death of Prophet Muhammad) to fully understand Quran! They claim that Quran is not detailed enough to understand and live the religion of God and it was

explained and practiced in necessary details only by Prophet Muhammad and thus we **must** read claimed hadith reports to fully understand the message in Quran.

This way, they confine Quran within those historical claimed hadith reports of which no one really knows or agree on their exact total number or accuracy. The end result of this strongly dictated traditional idea is that ordinary Muslims feel obliged to listen to and follow scholars, who were also raised and educated by the traditional Muslim belief. Since this traditional teaching has been injected to the minds of ordinary Muslims from childhood till their old ages, they can not really trust the verses of Quran when they read themselves alone because they have been brainwashed that they cannot fully understand it or they can misunderstand it themselves. Thus, they look like they are afraid to understand the verses in Quran and infer a meaning out of it by themselves. They trust the meaning of the verses of Quran only when a scholar or an imam explains the verses for them. However, this idea is against the message in Quran. Among may other related verses, I will quote only these verses to keep it short here:

> "Alif. Lam. Ra. This is a Divine Command whose contents have been made firm and set forth in detail from One Who is All-Wise, All-Aware.", Quran, (11:1)
>
> "that you may worship none but Allah. Verily, I have come to you as a warner and a bearer of good news from Him", Quran, (11:2)

It appears to me, God simply informs us that Quran is already detailed and it is done as such so that we do not worship anyone other than God. When we think the opposite of this meaning, if Quran was not detailed enough, we would be in need of scholars who explain Quran for us and this feeling or situation of being in need of anyone else other than God to understand God, then can be considered a form of worship to someone else other than God. There are different forms of worship. From the context, I understand that if one has the belief he **has to** listen whatever the scholars or imams say is what God tells him then it means he basically locates them as **imperative intercessors** between him and God to receive the message of God. However, this situation is against the main message in the Quran. Because a Muslim never needs anyone to connect with God. The classic traditional argument to these verses might be that they would say "we do not worship to the scholars nor imams". Then, Let's remember the meaning of worship again. Worshiping means "show reverence and adoration for (a deity); honor with religious rites (a simple Google search verifies this). The feelings that we **must** listen to those **imperative intercessors** and follow them to understand God's message has the potential to bring additional divine respect, a reverence, to those intercessors. Because their position in our life is in between God and ordinary Muslims. The end result of this feeling is that Muslims listen to them and accept whatever they say about religion without comparing them with Quran. Listening to those intercessors and trusting and obeying their words as if whatever they say is what God wants us to do is a form of worship. Because we listen and obey to those intercessors and

we do not really know if what they say aligns with Quran or not. Because, in practice, we show more trust to them than we show trust to Quran. This is because traditional Muslims have been raised so from childhood. The end result of this situation is almost all the negative things that we observe mostly in the Muslim countries or even among Muslim communities abroad. Many traditional teachings have been instructed by the traditional scholars or imams as if they are the instructions of God despite the fact that many of them are either not in Quran or against Quran.

In short, traditional Muslims, the great majority, listen to scholars or imams and try to live their religion accordingly. They do not much read Quran to learn their religion themselves and use their own minds to understand and live according to what they understand from Quran. They only follow the instructions in Quran, regarding what their imams tell them about it. This is not by choice of people but by the dominant traditional Muslim belief that have been keep fed into the minds of traditional Muslims. The main direct relation between Quran and ordinary Muslims, without the intercession of imams, is constantly keep reciting the verses of Quran in Arabic without really understanding it. They were taught that they will be rewarded if they keep reciting it even if they do not understand it despite the fact that there is no such verse in Quran. In contrary, anyone who reads Quran realize that God constantly instruct us to use our minds and speak to our minds. Thus, there is a big gap between traditional Muslims and Quran. This is no surprise as All knowing God had warned us about it with this verse, where Prophet Muhammad complains about Muslims in the Day of Judgement.

> "The Messenger has cried, "O my Lord! My people have indeed received this Quran with neglect.", Quran, (25:30).

The source of Islam religion

Many of the things about Muslims that do not seem to align with universal values are not sourced by Quran. Then, you might wonder that why do you see some negative practices by some Muslims, especially around women. The answer is that traditional Muslim belief do not accept Quran alone as their source of religion, which is Islam. Along with Quran they also have claimed historical reports, Hadith narratives, of Prophet Muhammad and the **consensus** (Ijma) that is the agreement of some early Islamic scholars on a matter of Islamic law mostly in the past. Hadiths are claimed reports about any sayings, actions and approvals of Prophet Muhammad. However, even the most trusted hadith sources, like the book of Buhari, can only be dated back to around 200 years after the death of Prophet Muhammad. Since this is not the main topic of this book, I will not go into more details on this point. But, in short, we can never know and never be sure if any of the claimed hadith reports are %100 correct. The claimed Hadith reports are not like Quran and God only promised to protect Quran but no other book. If The claimed hadith reports were source of

Islam as well in the sight of God, then All powerful God would certainly made them recorded like Quran and protected them just like the Quran from the beginning. God knows best but in my humble opinion, this point is another rationale proof that the claimed hadith reports cannot be source of Islam in the sight of God. Some of the hadith reports may be correct, some may be partly correct but some are also false. Any people with the power among Muslims in the history had the ability to seed some false hadiths of their wish and transform Muslims' life accordingly. Especially women was the first affected who got most damage from this way.

There are known to be around more than a million reported claimed hadiths. Some scholars, like Buhari and Muslim, are said to filter them with respect to their own personal judgement and, in their hadith books, kept only the claimed hadith reports if they considered them as "correct" **after around 200 years later** from the death of Prophet Muhammad. Even this information alone should trigger minds of rational Muslims with this question: How can a book be the source of religion along with Quran when it is claimed to be written around 200 years after Quran. I said claimed reports because even those original copies of the hadith books do not exist and copies of the oldest hadith books scientifically can be dated back to only around 400 years after Quran was written. I got this information on my personal research on the topic, but feel free to do your own research. Even if the content of those books really correct, this information alone proves that those hadith books cannot be source of Islam religion, religion for all humanity for all times. If such hadith reports were needed, then we would expect from God to order Prophet Muhammad to make his hadiths recorded or memorized along with Quran as well. Because Quran is for all humanity and for all times. If there was really a need for the hadith reports of Prophet Muhammad then they would definitely made recorded by Prophet Muhammad. This is because, he perfectly fulfilled his duty as a messenger. Otherwise, ironically, traditional Muslim belief, that seemingly is pro-prophet, accuses Prophet Muhammad not doing his duty in full, which is not acceptable. We have Quran and, without doubt, we know Prophet Muhammad has fulfilled his duty perfectly. Since the source of religion is only Quran and there is no other book needed, Prophet Muhammad did not make his hadiths recorded like he did with Quran.

In short, I invite all Muslims to follow what Allah has revealed, only Quran, message of God, as the source of Islam but nothing else. But, the traditional Muslim belief instructs you to follow the previous Muslim scholars or forefathers. See what God revealed in Quran about a similar situation:

> "When it is said to them,"Follow what Allah has revealed," they reply, "No! We (only) follow what we found our forefathers practicing." (Would they still do so,) even if their forefathers had ⌜absolutely⌝ no understanding or guidance?", Quran, (2:170).

> "Is God not enough for His servant? Yet they threaten you [Prophet] with those they worship other than Him. If God allows someone to stray he has no one to guide him;", Quran, (39:36).

The first argument by the traditional Muslim scholars to these pure message is that, without the claimed hadiths, a Muslim cannot even perform correctly her daily prayers with the ritual and also similarly other known practices. This is actually quite a funny and pity question. Because the questioner by default presumes that all the things he knows about Islam is correct and since they are not in Quran with the details they claim there are, then they conclude that Quran is not detailed enough and they must refer to the claimed hadith reports. I will keep this answer short for them here. Quran does not have to include your incorrect beliefs. Your distorted understanding of the religion does not have to be in Quran. The prayers, fasting, cleaning, charity and all the other similar Muslim practices are explained in Quran in sufficient detail as God wishes. Those who raise such objection, I suggest you know your coordinates and do never even attempt to teach the religion to God!

> "Say:"What! Will ye instruct Allah about your religion? But Allah knows all that is in the heavens and on earth: He has full knowledge of all things." ", Quran, (49:16).

The sects among traditional Muslims

As you see, the sources of the traditional Muslim belief are too much for ordinary Muslims to follow and learn themselves. This is one of the other reasons why there exist so many sects and branches among Muslims despite the fact that they all accept the same exact Quran and same prophet. Then, what is the source of their differences in their belief? Simply put, their trusted scholars are different and as they follow them regarding where they were born, they have a different branch within the traditional Muslim belief. Basically, all accept the same Quran but each accept different parts of claimed Hadith reports or Ijma rules and in the end they have a different branch and become a different types of Muslim of a different sect. This is why, in different Muslim countries, you see various types of Muslims in their belief. This situation is again despite the verse they read in Quran but do not take a lesson:

> "Surely you have nothing to do with those who have made divisions in their religion and become factions. Their matter is with Allah and He will indeed tell them (in time) what they have been doing.", Quran, (6:159)

Also, in the following verse, it is clear that the Quran (Scripture) was sent down to Muslims and **explaining everything**. There are also many other verses that informs that the Quran is a detailed book.

> "The day will come when We raise up in each community a witness against them, and We shall bring you [Prophet] as a witness against these people, for We have sent the Scripture down to you explaining everything, and as guidance and mercy and good news to those who devote themselves to God.", Quran, (16:89)

A bad example of the tradition despite Quran

Traditional Muslims have been instructed that they cannot learn their religion in necessary details by just reading Quran and thus they need the claimed Hadith reports and even Ijma. Since the sources become too much for an ordinary Muslim to learn, comprehend and infer any rule from them, **they must listen and follow** scholars who know those details. This is why all traditional Muslims feel forced to or listen to scholars who mostly dictates traditional rules of the traditional Muslim belief. In that case, regarding any given situation, scholars mostly able to find a way to match any given situation to their traditional belief. This has been very favorable situation for the leaders of Muslim countries throughout the history and today. It is not too hard for them to control the scholars and thus the traditional Muslim people who feel obliged to listen to the scholars. In the history of Muslims, there are many pity examples that some scholars who openly disagree or do not bend to the leader of the country was imprisoned or killed. Once they managed to add sources other than Quran as the information source of Islam, then they can make implement other things of their wish although they are not in Quran and even if it against Quran. The most extreme example of this situation is the death penalty for a Muslim who openly abandon Islam, apostasy ("murted" in Arabic). In fact, this is totally against Quran. There is no such instruction and it is against the over all message one can infer after reading Quran and additionally, God clearly informs us with this verse:

> "There is no compulsion in the religion…", Quran, (2:256)

Nevertheless, there is a claimed hadith report exists in the most authentic hadith books like Buhari, and in that, regarding a **claimed hadith** report, the Prophet instructed to kill the one who abandon religion by saying this: "Whoever changed his Islamic religion, then kill him.". I fully reject this claimed hadith report. I believe that this is one of the false fabricated reports as it does not align at all with Quran. Prophet Muhammad only and only follows Quran and cannot say anything at all that contradicts with Quran.

> "Had the Messenger made up something in Our Name,", Quran, (69:44)
>
> "We would have certainly seized him by his right hand,", Quran, (69:45)
>
> "then severed his aorta,", Quran, (69:46)

However, traditional Muslim belief do not reject this controversial claimed hadith about apostasy but interpret it in various ways as they like. As you see, in this extreme example,

depends on the time and situation any independent and critical Muslim scholar against the traditional Muslim belief or a leader might be declared as apostate and might be killed. This is one of the other reasons why traditional Muslim belief is so strongly persists in Muslim countries throughout the history and now. As long as this claimed hadith is accepted as correct and thus it is from one of the accepted sources of religion, then anyone who denies this claimed hadith report can be easily declared as apostate (murted) and be killed. A **super clever** one might have seeded this claimed hadith report into among thousands of claimed hadith reports and with this particular claimed hadith, in a way, all the other claimed hadith reports are protected against any further criticism. Because, anyone who reject one of the hadiths might well be declared as apostate and be killed. I am not saying this happens always among Muslims but what I am saying is that as long as that hadith report is within the trusted hadith books like Buhari, there is always a way to do such a thing and it can potentially be used. Then, there is really no freedom of expression in Muslim countries among Muslims, especially back in history. I am able to write this book and make these critiques about the traditional Muslim belief without really feeling significant danger to my life because I live in a Western country, United States of America, where freedom of speech is somewhat exist in general and especially and practically available more when it comes to criticize Muslims. However, to be honest, while writing these critiques about the traditional Muslim belief, I still accept the risk of potential danger to my life anyway. Because, this is a real thing and there are unfortunate examples in the past. For example, Rashad Khalifa, who was an early prominent critique of traditional Muslim belief and was strongly supporting the idea that the source of Islam is only Quran, was assassinated in Arizona in 1990. He was also the author of the **made up and false 19 system** claim, where he had manipulated the text of Quran to match it to his own made up numbers. Back to the point, as a Muslim who try to follow Quran only and fully, in my ability, I have to relate and speak up the truth in Quran no matter what.

No violence in Islam

This topic needs more detailed explanations but this book is not about it mainly. Therefore, I will shorty touch to this important topic as the current perception about Muslims in Western world is not too distance from violence because of, first the biased media, and, second, the many bad examples by some traditional Muslims we saw in history and now. I know that the media mostly is exaggerating the negative examples about Muslims who are around 1.8 billion people on earth. However, they are there and we have to make an explanation for them.

In short, other than self defense, there is no violence at all in Islam regarding Quran but those bad examples are based on some of the claimed hadith reports or the consensus. I explained before that I reject all the claimed hadith reports as the source of Islam. They are just historical claimed reports and we might get some historical and thus blurred

information about past. We can also utilize them to learn about Arabic language of the past as well. As long as they are not considered as the source of Islam, then those claimed hadith reports can also be studied, **if wished**, to understand a topic in the religion. If the approach to the claimed hadith reports is just like to listen any other **preferred** scholar's opinion that we might consider to understand a topic in religion, then one might also try utilize from them while trying to understand a topic in the religion. As long as the claimed hadith reports are not considered the source of Islam or are not given any higher level authority than any other information source, they *might* be studied too. However, this is a very sensitive case as one might be biased towards the claimed hadith reports rather than objectively consider them along with all the other information about a topic. Therefore, be warned that if one has any bias towards them, then there is always potential to infer incorrect biased conclusion on an issue. Therefore, as long as Quran is accepted as the only and only source of information that we must follow, studying any other information source like Arabic language or historical books or listening the interpretation of other knowledgeable people should be fine. But in the end, we must make sure what ever we consider obligatory and do in religion is based Quran only and if they are not based on Quran we do not have to do them and we should never accept them as part of Islam belief.

In addition, there is a group of scholars who say, "I will accept hadiths if they do not contradict with Quran." This group does not see the illogicality of their statement. They have adopted a belief that is similar to what positive-biased people could do, as I warned above. Because it is our responsibility to take the most correct meaning that our mind understands when we read in Quran. However, those who say that they will accept hadith narrations if they do not contradict Quran may choose a meaning that is less suitable for the mind, even though there is a more correct meaning in the Quran according to their mind. This actually means putting the hadith reports, narrations, before Quran. Because, if Quran has already made a more reasonable explanation, but that group would have believed in a weaker meaning just because there is a claımed hadith report about it and it does not contradict with Quran and then they might have gone astray. In addition, they may have also included many practices that do not contradict the Quran into Islam as religion. However, unless it is explicitly stated in the Quran, everything that is not forbidden in the Quran is halal, and everything that is evil and impure is haram. Here is a verse from Surah A'raf for this group that is kind of stuck in the middle belief:

> (Quran, 7:157) those who follow the Messenger – the unlettered Prophet – whose description they find in their Torah and the Gospel. He **enjoins them to do what is good and forbids them from what is evil; he makes lawful for them what is pure and makes unlawful for them from what is impure**; he relieves them of their burden and the shackles that were on them. So those who believe in him, they honor and support him, and follow the light which is sent down with him – it is they who will be successful."

Certainly, when evaluated along with other verses, the messenger of Allah fulfills this command by bringing the Quran as it is, but interestingly, the traditionalists, who associate the hadith reports with the Quran, claim that the Messenger can also make things lawful (halal) and unlawful (haram) by giving their own meaning to this verse in their hearts. However, the Messenger has declared in verse 6:145 that he looks **only** to the Quran for what is unlawful, thereby informing us of his **real hadith** in the Quran. This verse is an example of the real Sunnah, and we, who see only the Quran as the sole source of Islam, follow the Messenger's real Sunnah in a pure way. Unlike the majority, we do not follow *conjectures* (Quran, 6:116), but only the real Sunnah, whose correctness is guaranteed by Allah, which is to follow whatever is in the Quran (Quran, 46:9). However, the Tradition, following the path of their forefathers, cannot believe without associating their hadith report narratives and even their 'Great Scholars' with Quran (Quran, 2:170). Below are some of the relevant verses shared.

> (Kuran, 6:145) Say, ⌜O Prophet,⌝ "**I do not find in what has been revealed to me anything forbidden** to eat except carrion, running blood, swine—which is impure—or a sinful offering in the name of any other than Allah. But if someone is compelled by necessity—neither driven by desire nor exceeding immediate need—then surely your Lord is All-Forgiving, Most Merciful."
>
> (Kuran, 46:9) Say, "I am not the first messenger ever sent, nor do I know what will happen to me or you. **I only follow what is revealed to me**. And I am only sent with a clear warning."
>
> (Kuran, 6:116) If you obeyed **most of those who are on earth**, they would lead you astray from Allah (God)'s path; **they only follow conjecture and are merely lying**.
>
> (Kuran, 2:170) When it is said to them, "Follow what Allah has revealed," they reply, "No! We (only) follow what we found our forefathers practicing." (Would they still do so,) even if their forefathers had ⌜absolutely⌝ no understanding or guidance?

Back to the main topic, once you only take Quran as the source of Islam, then you cannot apply violence to anyone innocent. The only way Quran allows violence is as a form of self defense. Self defense of individual or self defense of a community like a country. And self defense is a universal right of all humanity. The only verses that are claimed to order violence without self defense is mostly interpreted wrongly although the translation is clear.

> "Fight in the cause of Allah (only) against those who wage war against you, but do not exceed the limits. Surely Allah does not like transgressors." (2:190)

> "Kill them wherever you come upon them and drive them out of the places from which they have driven you out. For persecution is far worse than killing. And do not fight them at the Sacred Mosque unless they attack you there. If they do so, then fight them—that is the reward of the disbelievers." (2:191)

As we see it is clear that God orders Muslims to self defense by instructing "Fight in the cause of Allah (only) **against those who wage war against you**". The practices of Muslim states in the past, which might have not aligned with this verse, is nothing to do with Quran but with their own traditional belief or political decision.

The other verse that is misunderstood by most are these:

> "As for **the** polytheists who have honoured every term of their treaty with you and have not supported an enemy against you, honour your treaty with them until the end of its term. Surely Allah loves those who are mindful (of Him).", Quran, (9:4)
>
> "But once the Sacred Months have passed, kill **the** polytheists (who violated their treaties) wherever you find them, capture them, besiege them, and lie in wait for them on every way. But if they repent, perform prayers, and pay alms-tax, then set them free. Indeed, Allah is All-Forgiving, Most Merciful.", Quran, (9:5)

As we see from these two verses, God informs us only within a context. First, regarding verse 9:4, if there is a treaty between Muslims and polytheists within a community then Muslims must obey it. In our current time within a country, we all have under the treaty of a citizenship with other people of any faith. Therefore, all Muslims must respect it even if the country is a majority Muslim country. Any visitor to that country is also considered as under the visitor treaty and thus Muslims must live in peace with all people on earth as long as they both honor their treaty. This is the general rule Muslims might infer from this verse for our time in my humble opinion. Moreover, in the verses, God informs us about a particular polytheists community who live along with the first Muslim community. This is because there is the word "the" definite article in front and they are mentioned as "the polytheists". So, the verse is not informing about all polytheists but a particular group of polytheists who have not honored every term of their treaty with the Muslims then. This clearly defines self defense even if some Muslims or non-Muslims with prejudice tries to interpret the meaning of the verse differently. In conclusion, there is no way to infer violence against non-Muslims from this verse in general.

Second, in regard to (9:5), God gives Muslims three options for those who violate the treaty with the Muslim community, which are kill, capture and besiege. It is logical to understand that anyone who are killed cannot be captured or besieged. So, it is easy to understand that these are the options left to Muslim law enforcement officials to deal with the ones who violate the treaty. This verse perfectly align with modern rules. Imagine that there is a terrorist person or a group of people in a modern country. Law enforcement official

immediately arrive there and choose their best option and implement it. Their options are to kill, capture or besiege them depends on the situation at that very moment. This verse gives Muslims to be able act similarly. Otherwise, Muslims, even the low enforcement officials, would be hesitant to kill anyone because there are many many verses in Quran advising against violence. There is even this clear verse:

> "That is why We ordained for the Children of Israel that whoever takes a life—unless as a punishment for murder or mischief in the land—it will be as if they killed all of humanity; and whoever saves a life, it will be as if they saved all of humanity. (Although) Our messengers already came to them with clear proofs, many of them still transgressed afterwards through the land.", Quran, (5:32).

Although, in the context there is Israel, we Muslims all should take lessons from all verses. Thus let's read the related part again in bold: "**... whoever takes a life—unless as a punishment for murder or mischief in the land—it will be as if they killed all of humanity; and whoever saves a life, it will be as if they saved all of humanity...**".

Any Muslim, who read this verse among others, would never be able to kill anyone if God did not inform us with the other verses that orders self defense as well. This is a long topic and I leave it here for now.

I will present these verses as proof that Muslims must always behave peacefully according to Quran.

> "He has already revealed to you in the Book that when you hear Allah's revelations being denied or ridiculed, then do not sit in that company unless they engage in a different topic, or else you will be like them. Surely Allah will gather the hypocrites and disbelievers all together in Hell.", Quran, (4:140).
>
> "And when you come across those who ridicule Our revelations, do not sit with them unless they engage in a different topic. Should Satan make you forget, then once you remember, do not (continue to) sit with the wrongdoing people.", Quran, (6:68).

As we see there are two different but similar verses and in both of them God orders Muslims to behave peacefully and not conduct any violence even in an extreme situation that is when there is an insult on Islam. God also orders Muslims to stay away only until the insulting people stop their wrongdoing and do not forbid Muslims to interact with them again when they are not keep insulting. It is not because the insult is not important but it is not us but because God will punish them hereafter (unless they ask forgiveness from God). How about the below verses for the most extreme case where God does not order any violence with those who insult even to God and the Messenger, which aligns with the previous verses I quoted above, 4:140 and 6:68.

> “The hypocrites are afraid that a Sūrah (a chapter of the Holy Qur’ān) may be sent down about them, which tells them what lies in their hearts. Say, “Go on mocking. Allah is surely to bring out what you are afraid of.”, Quran, (9:64).
>
> “And if you ask them, they will say, “We were just chatting and having fun.” Say, “Is it of Allah and His verses and His Messenger that you were making fun?”, Quran, (9:65).
>
> “Make no excuses. You became disbelievers (by mocking at Allah and His Messenger) after you had professed Faith. If We forgive some of you (who repent and believe), We shall punish others (who carry on their hypocrisy), because they were guilty.”, Quran, (9:66).

The verses are very clear that God does not order any worldly penalty for those who even mock about God but warns those with hell fire in the verse 9:68. However, we Muslims are also human beings and we can still express our reactions in this world in a peaceful manner as this was not forbidden as well. Anyone who follows Quran cannot make violence for no reason other than self defense. However, as I said previously, traditional Muslim belief also accepts other sources for their belief and that might cause different implementations in practice by some of them.

When I explain this matter to my friends who are well educated and peaceful but follows traditional Muslim belief as most, they say “there are also some verses in Quran for violence and its not only the claimed hadith reports”. This is the information from friends who are above average of traditional Muslims. Most Muslims do not really know Quran, because, as I explained before there is a gap between traditional Muslim belief and Quran. They do not know Quran well because they listen to scholars or imams to learn about religion. Since those scholars combine Quran with the other two sources, the end result is not only Quran but those other immense number of things written in those old books. Even the scholars of the traditional Muslim belief cannot comprehend the above verses I shared, then how can an average Muslim do? When I had a traditional Muslim belief, I had asked about this question to a well known scholar. I asked him, considering history, how can we say Islam is a religion of peace? He, as one of the most modest scholar, replied us, “this is a big lie!”. Because he was modest, he had a bit more courage to confess things he considers wrong. Everyone who listen to him were peaceful traditional Muslim but none of us could reply his answer otherwise. Because, we ordinary Muslims are ignorant of Quran because we do not really know Quran as we have been under brain washing with the traditional Muslim belief since our childhood. It is very difficult to even consider the things I have been writing in this chapter about the traditional Muslim belief. In this chapter, I hope, their minds triggered after reading all these information and read Quran again considering my warnings. Do not believe me but believe God via Quran. And please fully trust the words of

God, Quran, and trust your own mind more than you trust those traditional imams and scholars.

At my age 40, I became a Muslim of Quran

Unfortunately, I was one of those traditional ordinary Muslims who would follow the traditional Hanafi branch (called mezheb in Turkish) as most Turkish people do in Turkey. Fortunately, after reading and listening some enlightened scholars over the internet last year (It was 2019 when I first wrote this.), I came across with the message that the source of Islam religion can only be Quran according to Quran. I did not jump into this idea right away but it triggered me to investigate on this. It was not too hard as we Muslims have the same Quran. I read Quran again while testing those claims over the verses which was hard to accept as it was against my strong beliefs that I was raised and lived with all the years. However, after reading Quran to learn and understand what God says and instructs us to do, at my age around 40 in 2019 sometime before Ramadan, I corrected my belief and **accepted Quran alone as the source of my Islam religion**. After then, everything around my Islamic life appeared to be more reasonable, rationale, practical and aligned with the daily life. Living Islam turned out to be quite easy and livable without ignoring things that you can neither reject nor fully accept. However, I then realized that how lonely I turned out to be in that situation. People even treated me as if I abandoned Islam when I openly discuss my opinions with people around me. But, no matter what, I am very happy that God guided me to this pure message. Because, first time in my life, I really feel that what God wants from me to do directly. Before that I was looking at the mouths of scholars and the preaches of imams and thus limited and directed with what they say. There was always intermediaries for me to understand what really God orders me to do. Since the topic of this book is not this, I will not going to much detail about this. However, so far, I am very happy with my spiritual life and repented for the wrong beliefs and practices I had in my previous life. When, I read Quran it is like speaking with God and my heart is delighted when I read and know that I do understand what God says to me and contemplate accordingly. I used to know this verse but only now I witness its meaning:

> "the ones who believe and their hearts are peaceful with the remembrance of Allah. Listen, the hearts find peace only in the remembrance of Allah.", Quran, (13:28).

There is one last thing I want to share about this situation. I had heart about 19 system long years before but I never thought I would be able to research on it myself and test some of pre-existing claims on it because I did not know Arabic and also have no much interest on this topic. However, around the time after purifying my belief and accept Quran as the only source of my Islam religion and repent for my past, I became more interested in Quran. I am currently a data scientist and have the ability to wrangle about data but had no previous

experience to work with Arabic text data. I just made a Google search to see if there are some tutorials on the text of Quran and found one in R. I gave it a try and made some hypothesizes and witnessed some successes. Then I put forward more hypothesis and witnessed more evidences and decided to write this book. The reason I explain it here because, in my subjective opinion, God might have showed me those evidences and allowed me to write such a book only after I purified my belief in Islam. I am not saying about purification of my humanly sins but I mean the traditional Muslim belief I used to accept and follow.

The discovery date of this system

I have first discovered the 19 based system that I present in this book in early 2019. Only God and me can know this fact for sure. So, you do not have to believe me on this. However, since the date of the discovery and publication of this book has an interesting 19 based pattern, I would like to share it here too. As I mentioned before, regarding historical reports, the revelation of the Quran lasted around 22 years and it was completed by the year 632. Since the 19 based system is over the complete full text of Quran, I took 632 as reference.

2019 - 632 = 1387

1387 = 19x73

1+3+8+7=19

As we see there are two 19 based relations exist with the discover and publication date of the 19 System I presented in this book.

Moreover, if we look at regarding its entrance into the history, there is again an interesting 19 based relation. When we enter in 2019, I had not discovered this 19 based system and there was no book of it as well. Basically, no one on earth, including me had any knowledge on this. However, when 2019 ended, the real 19 based coding system of the full text of Quran was discovered by myself and its miraculous evidences were published in this book. Let's look at the last date of 2019 then.

If we write this date in American way (as the discovery were made in USA):

The last date of 2019 is 12-31-2019 and this date alone also has **three** 19 based relation as follows. The classic concatenation of them gives us a single representation number:

12312019 / 19 = 648001 (Also 6+4+8+1=19!) and

1+2+3+1+2+0+1+9 = 19!

We observed three 19 based relations in the same date. If anyone argues on the order of the date, here are the alternative way of writing this date considering the rest of the world. It has also 19 based relation:

> 31122019 / 19 = 1638001 (Again 1+6+3+8+1=19!)

Again, we observed two more 19 based relations in the same date, which makes 4 in total. This is just an interesting fact that might show historically an interesting relation between the beginning and end of 2019 with respect to the entrance of this new 19 System and its book into the literature.

Some more relevant verses

Here are some verses and their numbers, where both the content and their numbers might be relevant to the 19 based coding system of the text of Quran.

Muslims certainly believe that Quran is intact, unchanged and protected as it was promised so by God.

> "We, indeed We, it is We who have sent down the Reminder, and indeed it is We who will preserve it.", Quran, 15:9

This verse is the verse 1824 out of the total 6348 verses. 1824 is also divisible by 19 as 1824/19 = 96. Moreover, instead of Quran or The Book, God uses the word Reminder or Recitation, (in Arabic: الذكر), which refers to the memorized Quran that is verbally recited. There are two miraculous sign here. First, Quran has been conveyed until today via memorization. There is no known complete first written copy but there are tens of thousands people around the world who fully memorized Quran as an historical tradition. Second sign is the shape of the word Reminder, without marks, (in Arabic: الذكر) has been used exactly 19 times in overall Quran. You can test this in Chapter 3.1.5.1 with the dynamic table, Table 3.1. Just copy and paste the Arabic word in the search box of the table and see the word count of it in Quran.

> "that cannot be approached by falsehood, neither from its front, nor from its behind -a revelation from the All-Wise, the Ever-Praised.", Quran, (41:42).

God informs us that falsehood cannot approach Quran from its front nor behind. If you remember the evidences I provided, some of them were based on direct indices (left to right) and some from from the back (from right to left as in Arabic). The reason I considered this might be sign for the 19 based coding system is because 4142 is also divisible by 19.

How about this one, which has very relevant numbering along with its meaning:

> “That He may know they have already proclaimed the Messages of their Lord. And He has encompassed (all) that is closely (kept) with them, and He has enumerated everything in numbers.”, Quran, (72:28).

There are is an interesting 19 sign on this verse. The digit sum of 7228 is 19. However, this might be only an interesting sign as no such rule is defined in general anywhere and we can never claim of such connection for sure and God knows best as always.

This is the key verse for the 19 based coding system.

> “Over it is Nineteen”, Quran, (74:30)

Interesting enough, the first verse of the chapter of this verse is this:

> “O you shrouded (in your mantle),” Quran, (74:1)

The parenthesis is not the translation but the meaning assumed by the translator (Dr. Ghali from quran.com). So, basically the first verse of this chapter is “O you shrouded”. Although the traditional interpretation is different, I suggest that this verse might also refer to the hidden (shrouded) 19 based coding system of the text of Quran. God knows best and this, I consider as one of the possible interpretations.

There are three reasons that caused me think as such. First, this is the first verse of the chapter in which we observed the verse “Over it is Nineteen” (74:30) that might connect the 19 based system of the text of Quran to the content of Quran. Also the literal meaning of the verse “O you shrouded” seem to be perfectly aligning with the unknown 19 based system of the text of Quran. Second, when we perform the classical concatenation coding operation to the chapter and verse indices (74:1) we get 741 and it is divisible by 19, which stands as a sign that further supports this interpretation. Third reason is that this verse is *mutesabih* type of verse, which means it’s meaning might not be directly apparent and might need interpretations regarding other relevant verses or else universal true knowledge.

In Quran, God informs us that there are two types of verses in Quran. First one (muhkams), the explicit revelations that are the foundations of the Book. Others, the second type, are allegorical and God knows their meanings best and they might be open to interpretations by considering their connections with the muhkam verses as understood by some scholars.

> He is the One who has sent down to you the Book. Some of its verses are clear, they are the foundation of the Book, and others are allegorical Those whose hearts are diseased seek out the allegorical part in order to cause dissension and to interpret it according to their own desires. Only Allah knows its true meaning, as do those who are deeply versed in knowledge. They say, “We believe in it, all of

> it is from our Lord." Only those who have hearts and minds can truly understand this. (Quran, 3:7, translated from Y.N. Öztürk's Turkish translation)

The traditional English translations translate as "Only Allah knows its true meaning" but this translation made more sense as Quran was sent to us to follow and we should be able to understand it. Otherwise, the traditional translations say we have a book and the allegorical parts of it can never be understood by anyone. God know best but the translation of Y.N. Öztürk made more sense and I translated and used it here.

Especially, universal scientific related verses that we witnessed in this era are helping us to better understand such allegorical verse examples. This is a different topic and I just tried to summarize *as far as I understand*. Feel free to do your own research if interested in this topic. I am by no means an expert scholar but an ordinary Muslim and these are my understandings on this matter.

Also these two verses might be relevant too. It looks like 74:31 and 74:35 might also be explaining the function of a 19 System over the text of Quran.

> "And We have not made the keepers of the Fire except angels. And We have not made their number except as a trial for those who disbelieve - that those who were given the Scripture will be convinced and those who have believed will increase in faith and those who were given the Scripture and the believers will not doubt and that those in whose hearts is hypocrisy and the disbelievers will say," What does Allah intend by this as an example?" Thus does Allah leave astray whom He wills and guides whom He wills. And none knows the soldiers of your Lord except Him. And mention of the Fire is not but a reminder to humanity.", Quran, (74:31)
>
> "Surely it is indeed one of the greatest things,", Quran, (74:35)

God knows best but these might be relevant to 19 based system of the text of Quran. Also, along with the meaning, 74:35 has this sign too: 7+4+3+5=19.

This is about the one who reject the signs from God.

> "But those who disbelieved in Our Ayat (proofs, evidences, verses, lessons, signs, revelations, etc.), they are those on the Left Hand (the dwellers of Hell).", Quran, (90:19).

The content warns about the one who reject the signs of God. Then, we would not be surprised to witness a sign on this verse. How about this: 9+0+1+9=19.

Will the 19 based system might help non-believers to believe in Quran?

> "And you see that the people enter Allah's religion (Islam) in crowds,", Quran, (110:2).

I am not sure if there is direct relation but 1102 is multiple of 19 and there is at least a sign for the relation.

Chapter 90 : This chapter took my attention as it has a unique 19 based property. Basically the number lead me to this chapter first. The number of letters of this chapter is 361. This is the only chapter with twice the multiple of 19, either as the number of letters or the number of words over all Quran in both text types. When I looked at its general verse index in the numbered verses, it is 6042 and it is also multiple 19 as 19x318. Let's look at the verse 19 of this chapter:

> "But those who disbelieved in Our Ayat (proofs, evidences, verses, lessons, signs, revelations, etc.), they are those on the Left Hand (the dwellers of Hell).", Quran, (90:19).

Note also the digit sum of this verse 90:19, which is also 9+0+1+9=19. Also this particular verse has 6 verses and 32 letters, which makes 38 (19x2) in total.

Note that all the verses and numbers in this small chapter are just facts and not evidences and should be considered as my subjective comments.

Other scientific related miracles of Quran and other interesting facts

19 based coding system of Quran, which is considered as miracles by my own conclusion, is not the only miracle one can witness in Quran. It has also many scientifically related miraculous information in it. If you make a quick internet search, you might see many examples. I already shared one of them about *iron* in my book as a separate chapter in Chapter 6.1. I will share some of them that I find interesting. There are many but most notably, expansion of universe, development of embryo, atom number of iron and mentioning of it being sent down, uniqueness of the finger tips and many others for which I direct to do your own search. There are already many web sites and books on those that are considered as scientific miraculous statements in Quran.

One other interesting known fact is that light travels at a speed of 299792 kilometers per second. The digit sum of 299792 is 38 that is multiple of 19.

Or, if you count the bones in your hand by looking at an X-ray image, you see there are 19 bones.

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Acknowledgements

Other than the Bookdown server, you can also access this book from the alternative server via this link: https://quran2019.github.io/ReproducibleMiracle . I used R programming language (https://www.r-project.org/) for the analysis. I also used the following R packages gmp (Lucas et al. 2019), data.table (Dowle and Srinivasan 2019), DT (Xie, Cheng, and Tan 2019) , tokenizers (Mullen et al. 2018), stringr (Wickham 2019). I used Bookdown R package (Xie 2016) to write this book in this nice shape. For the translation of the verses of Quran, I used quran.com. This book was first published on September 07, 2019 at www.bookdown.org. Its lightly revised version was updated and published on December 31, 2019 at www.bookdown.org. I further made a major revision, which caused the change of the chapter indexes of the evidences by November 27, 2020. I then made the last upgrade of this book on December 5, 2023. Some of the big numbers are not included in this book in order not make it too long. However, I provide some of the big numbers of evidences and other materials in the github page of this book at https://github.com/quran2019/Quran19. Anyone can easily download those materials.

8 Appendix: About the Text Version 1.1

I first published my book in September 2019 based on the text version 1.0.2 that I downloaded from tanzil.net. The text had been there for about 13 years and is still considered by them error free by them. However, after around 1.5 years later of my the publication of my book, they somehow decided make a tiny change in the text on February 12, 2021, which seems optional and based on their subjective choice from their perspective. In the appendix chapter, I will explain all the entailing issues of their change and my struggle to find the truth and some codes with the updated text. So, I leave it to expert

scholars in the very topic to decide what is the absolute truth by sharing this information too. On the other hand, after my long research, my conclusion is the correct text version is the earlier one, version 1.0.2, and therefore kept my associated codes and the overall system based on that text. However, I suggest expert scholar to elaborate the issue and decide what is correct based on the classic Arabic grammar rules. So, if they are 100% sure the new text version 1.1. is the correct one, with respect to the changed writing form of the word "bada-ma" in the three verses, then they chose and use the version 1.1 as the correct. text version. Then, they should also ignore all my presented codes that includes the word information in those three verses. But, if they are not 100% sure, then I suggest using the text version 1.0.2 as the system I discovered suggest an extraordinary 19 based design over that text I used. Also, my own long research from the classical Arabic grammar point of view made me concluded that the text version I used was the correct one and the word *badama* was written as a single word as in the text version 1.0.2 but not as two words as in the text version 1.1. So, I just made an academic study, shared my discoveries and my conclusion. However, God knows best and I never claim that I know the absolute truth. So, I advice assessing my book as an academic work and feel free to critique with further academical studies in order to make sure the absolute truth is established in the long run. After this summary I will continue with more details about the issue.

As I mentioned, after the publication of my book, the text version 1.1 has been updated on February 12, 2021 by Tanzil.net and the details of that subjective update is explained here, http://tanzil.net/updates/. Basically, they made a single and simple change by separating the single written word *badama* as written two words as *bada ma* which were in verses 2:181, 8:6 and 13:37. It does not change the meaning at all but as far as I understand from their explanation, it is just a subjective choice of them. This change just affects the number of words in those verses but not the rest.

8.1 The update of the text after the publication of my book!

Since 2019, I did not publish my book as printed copy but just kept online to make sure I can get critics and some feedback and also review myself before final printed publication. This way, if there is any mistake found, I could quickly correct and update my book. In fact, I made several updates and enhanced the book with some corrections, improvements and with some of my new findings until the beginning of 2021. Since 2019, I was trying to spread my important findings over my Twitter and Youtube accounts assuming that I can get more quality feedback as it is more spread. One thing I realized during the two years is that, Muslims were not much interested in the 19 based design claims in the text of Quran and mostly ignore the presented findings. When I shared my book in Islam Stack Exchange questions as replies or even ask others opinions about my work as an independent question, all were closed by the editors, where I realized the clear negative look at this topic from Muslims with some influence. This negative prejudice was probably caused by the

earlier attempt where the author, Rashad Khalifa, shamelessly removed the two verses from Quran to match the text to his own made up system claim. Scientifically, manipulation of the data is a forgery but his followers have some shameless and unscientific way of defending their forgery act anyways and behave like a cult. On the other hand, the system I initially discovered and published in 2019 does not have any manipulation even to the single letter. As a scientist, I know it would be a clear forgery and therefore declared many times that even if there are millions of codes existed if I were to change a single letter, I do not make such a change, as otherwise it would not be a scientific approach. I just look at the data as is and test to see if there is a rule based system over it, which might show that the text is intact and unchanged. Therefore, any system search can only be investigated over the available texts of Quran without making any change to them unless there is a clear classical Arabic grammar error detected in the text.

At the time of my download of the text of Quran from tanzil.net/download, the latest version of the text was Version 1.0.2. It was the text, which was released in February 4, 2008 and has not been updated till February 12, 2021 with the latest version, which is Version 1.1 (v1.1). As I was subscribed to the email group of the Tanzil server, I got this notification email sent to the email group on February 12, 2021:

> "A new release of Tanzil quran text (version 1.1) is ready to download from http://tanzil.net/download/. You can see changes log here (tanzil.net/updates). Fortunately, no typo has been reported in the Tanzil quran text since its latest release in 2008, and the updates in this new version are rather technical. Therefore, if you are using the older version of the text (i.e., v1.0.2), it is still safe to use that version."

As informed in the email from Tanzil, for the last 13 years from the last release of the text, no typo has been reported. This means, no one, who uses the text of this very popular server reported any error for about 13 years. This point further assured in the last sentence of the email by saying "*if you are using the older version of the text (i.e., v1.0.2), it is still safe to use that version*". It is clear that there is no error in the text v1.0.2, which I had used for my analysis. On the other hand, they decided to make a few changes as, technically, they **preferred** that way as better as I discuss below in more detail.

On February 12, 2021, Tanzil.net released an update after around 13 years from their last release. There was a single change in the text at the word level data. They changed the writing of the single word *ba'da-ma* (بعدما) as two separate words in this new release, v1.1, as *ba'da ma* (بعد ما). It has been previously written as a single word in the text v1.0.2, as (بعدما). This word appears in only three verses, which are verses 2:181, 8:6 and 13:37. The other three minor updates are about replacing the total three letters with their alternatives from within three other words, to increase compatibility with the Uthmani text. However,

since the total letter sum does not change in my codes, this update does not change the letters counts of the previous text and thus not important as it does not mainly affect the current evidences of this book except a few codes with Abjad numbers and thus not important. All the details of the update from text Version 1.0.2 to the Version 1.1. can be seen from their site at http://tanzil.net/updates/.

As a consequence of this tiny and somewhat arbitrary update on the single word (*ba'da-ma* in the text Version 1.0.2, now written as *ba'da ma* in text Version 1.1), the codes, based on the text Version 1.0.2, which include the word count information from the following three verses 2:181, 8:6, and 13:37 do not hold for the text Version 1.1. Although the meaning or reading of the word *ba'da-ma* does not change at all with this update, it affects the overall word counts from the related verses since I count the words with respect to empty space among them. Upon the update notification from tanzil.net via email, I was able to reply them and ask the notifier person about the reason of this change on the word *ba'da-ma*. He replied as I quote his exact answer below:

> "There are 30 other occurrences of"بعد ما" in the Quran text, all of which have been written separately in Tanzil text since the first version. As both writing styles are correct and are used interchangeably in Arabic, we have decided to replace these three cases in the new version to keep the text consistent. So, it is a matter of consistency, not correctness. Both versions are still correct. "

There is a link he attached to the word "occurrences", which brings all the 30 occurrences of "min bade ma" from Tanzil server, such as the one in Verse 2:75, as this: "من بعد ما". However, when considering the dots (harakas) it is read as "min bade ma" as more clearly seen in the form written with the dots as this "مِنۢ بَعْدِ مَا".

As someone who does not know Arabic but just count the words, the two words did not seem to be the exact same words to me. In all the 30 occurrences of "min bade ma", there is "min" comes before "bade ma" and these 30 occurrences seem to be a standard phrase as "min bade ma" and written always as separate. However, "ba'da-ma" or "bada ma" appears in slightly different form than those 30 occurrences despite the fact that they are based on the same words.

Although he said *"both writings of the word are correct"*, the 30 separate writings of slightly different version ("min bade ma") of the word in contrast to the three writings as single word ("ba'da-ma") did not seem to me a random choice of writing. There should have been a reason in the first place for them to be written that way for the last 13 years, which was the pattern of earlier time from the tradition. I then further asked to the person the reason why "ba'da-ma" was written as a single word for the last 13 years and not changed since then in the previous version (v1.0.2). His answer was that "ba'da-ma" was written as such in the earlier manuscripts and thus the pattern followed in the Tanzil texts.

Although their current reason of the change, "being consistent", sounds reasonable, I was not satisfied with the explanation of the change. In the end, the change that is made is in the text of the Quran, one must make sure that the change that is *preferred* is coherent with the classic Arabic grammar. Because, in their explanation of the details of the text, they had already stated that they prepared this text with great care by the reviews of experts and also there was no error reported since 2008. In their web site (http://tanzil.net/docs/tanzil_project) and their FAQ page, they answer some very relevant questions. Some of their relevant answers I quote below:

> "Tanzil is a Quranic project launched in early 2007 to produce a highly verified Unicode Quran text to be used in Quranic websites and applications. Our mission in the Tanzil project is to produce a standard Unicode Quran text and serve as a reliable source for this standard text on the web."
>
> "Our mission in the Tanzil project is to produce a standard Unicode Quran text and serve as a reliable source for this standard text on the web."

They also state that **they have checked the text against a set of grammatical and recitation rules**.

> "**Rule-Based Verification:** In this step, a program was developed to verify the core Quran text against a set of grammatical and recitation rules…"
>
> "**We extensively used the help of a group of experts including Quran specialists and Hafizes in order to assure the correctness and preciseness of the obtained Quran text**. Our Quran text is now used in major Quranic websites and projects, with several millions active users per month. *Despite this high volume of users, we have received no typo report since the release of the first version of the text in 2008*. The accuracy of the text has been also reconfirmed by several projects that are actively using Tanzil Quran text."
>
> " 'How accurate is Tanzil Quran text?' Tanzil Quran text is carefully derived from Medina Mushaf, which is currently the most authentic copy of the holy Quran (narration of Hafs)."

So, then the question is, if the text is already correct and has been used for the last 13 years and no error reported, then why bother to change the writing of a single word? This update was released around 17 months after the first online publication of my book. It may seem a simple change but it causes the collapse of most of the codes in my book if I use the updated text. Interestingly, the three verses that include the changed word *ba'da-ma* **coincidentally** have the meaning centered around *changing after the truth*.

> Quran, 2.181: "Then, whoever changes it after he has heard it, its sin will only be on those who change it. Surely, Allah is All-hearing, All-knowing."

Quran, 8.6: "they were disputing with you about the truth after it became clear, as if they were being driven to death being seen by them." (Translations from: quran.com, Mufti Taqi Usmani)

Quran, 13.37: "And so We have revealed it as an authority in Arabic. And if you were to follow their desires after ˹all˺ the knowledge that has come to you, there would be none to protect or shield you from Allah."

8.1.1 My research and the conclusion on the word ba'da-ma

My research on this very specific question started from around February 2021 and mainly finalized by the end of October 2021, though it still continued lightly time to time till now as there was new ChatGPT technology introduced in 2022. It took a long time and is worth explaining the details of my tiring research. However, I will first write the conclusion I reached and the rationale of my conclusion to make sure the reader reads the most important part of this section before reading through all those research details. My research conclusion about the word *ba'da-ma* is that according to the classical Arabic grammar, **ba'da-ma is one word**. Therefore, it is counted as one word in the three verses that include it, which are 2:181, 8:6 and 13:37. Therefore, I decided to keep using the initial Quran text version I had been used, which is the text Version 1.0.2. The overall replies I could receive from Arabic language experts during my research were mixed and there were not a common single answer to this specific question. However, all of the replies were their opinions based ow their knowledge at that time. None of them really cited a specific classical Arabic grammar book that supported their decision for this specific question. Since the answers were mixed and not as detailed as I expected to see in an academic publication, I was not fully satisfied with my findings. I further researched myself directly instead of asking experts and in the end I think I found the answer in the very old book Al-Kitab (The Book). It is, arguably, one of the few most respected pioneer classical Arabic grammarian, famously known as, Sibawayh. He was known to be born in 760 and died in 796. His full name was *Abu Bishr Amr ibn Uthman ibn Qanbar al-Basri* and he was the leading grammarian of Basra and author of the **earliest** book on Arabic grammar and linguistics. This quote from Wikipedia explains well the importance of his book:

"Al-Kitāb or Kitāb Sībawayh ('Book of Sibawayh'), is the foundational grammar of the Arabic language, and perhaps the first Arabic prose text. Al-Nadim describes the voluminous work, reputedly the collaboration of forty-two grammarians, as"unequaled before his time and unrivaled afterwards". Sibawayh was the first to produce a comprehensive encyclopedic Arabic grammar, in which he sets down the principles rules of grammar, the grammatical categories with countless examples taken from Arabic sayings, verse and poetry, as transmitted by Al-Khalil ibn Ahmad al-Farahidi, his master and the famous author of the first Arabic dictionary, "Kitab al-'Ayn", and of many philological works on lexicography, diacritics, poetic meter ('arūḍ), cryptology, etc" (https://en.wikipedia.org/wiki/Sibawayh).

Another quote to know about him is this: *"Sibawayh, who, more than any other individual, was the foundational grammarian of Arabic."* (https://www.encyclopedia.com/history/news-wires-white-papers-and-books/sibawayh).

I will provide a last quote from a web site (sifatusafwa.com) that shows how Al-Kitab is marketed while being sold: "THE KITAB OF SIBAWAYH - THE ULTIMATE REFERENCE: Al-Kitab, the mother-book of Arabic grammar, often cited as the first work on Arabic grammar and its rules, when it was previously only oral tradition".

There are still recent and ongoing academical studies around Al-Kitab, which suggest that it is fair to consider it as an authoritative resource for my research question, though that does not mean it must be always correct. The reasons I accepted the answer in Al-Kitab from Sibawayh are as follows: First of all he has a sufficiently descriptive answer in his book, Al-Kitab, that clearly describes the exact word *ba'da-ma* is one word in the form of composite pattern. He is one of the closest classical Arabic grammarian to the time of Quran's revelation. His book considered as the first written book in classical Arabic grammarian and already has been accepted as reference and still being actively referenced by academics. The last reason I accepted his answer as the correct answer is because the opinions of current expert academics were mixed and they seem to be not fully sure in their answer considering my perception from the wordings in their answers. Considering all the mixed answers, it appeared as the most rationale approach is to accept the answer of Sibawayh who I perceived as one of the top authority among all the known classic Arabic grammarians throughout the history and up until today. Although, I had my conclusion based on the information from the Al-Kitab and some of the answers I received from Arabic language experts in around 2021, I later also used the new technology ChatGPT, which was introduced in late 2022, and asked her the same question and got the answer that *ba'da-ma* is one word based on her knowledge, which further confirmed my cocnlusion. I will also share her answers below in detail.

After, explaining my conclusion on the word *ba'da-ma* and the reasons of my conclusions, let me summarize the explanation about the word *ba'da-ma* in Al-Kitab of Sibawayh. Since I do not know Arabic, I performed my search in English and found an academic publication that already summarized the information about *ba'da-ma* in Al-Kitab (Eddakrouri 2016). I present almost the exact quote for it from **the page 19** of the thesis as below. What a coincidence! Anyways let's continue the information from the thesis on page 19:

> "Sibawayhi (Qanbar, V. 2, 1966-1977, p.139) explained that when بعدَ /ba'da/ and قبل /qabla/ are followed by ما /mā/, **they become one word in the shape of compound pattern**. In this case, ما /mā/ stops the two adverbial nouns from اضافة/ 'iḍāfa/ (Annexation) and, instead, they are directly followed by a clause

> beginning with a verb, usually past tense. For example, ba'da-mā shāhadahu 'aḥadu lmārrati/ (after one of the passers-by saw him) (Ryding, 2005, p.414)."

We read the explanation of Sibawayh in the first sentence. However, as we see in the second sentence of short quote, there is also one more supporting information from a contemporary time reference Arabic grammar book of Ryding (Ryding 2005), where *ba'da-ma* is also considered as one word. We might consider this as a further supporting information from a current time classical Arabic grammar expert.

There is also one interesting bit of information about this quote that I want to share here. This is the piece of information in a single short paragraph, which I was satisfied and finally felt confident that I found the correct answer after a long tiring research process. It was also the first and the only information I could find an exact answer about the word *ba'da-ma*. The significance of this information for me was such that it was a turning point for me as I had already started to update my book by changing the main text of Quran as the last updated text, version 1.1, but was still researching as I was not satisfied. As I was not sure about the correct form of *ba'da-ma* considering the mixed answers I had received upon my research, I had started to remove all the related important codings from the main body of my book. Since I was still not sure about the correct form of *ba'da-ma*, I was just going to provide the relevant codes of the previous text as appendix to this book and explain the unclear situation and leave the decision to experts who might research on it in the future. In a sense, I was going to change this book in a more academic format with inconclusive parts to promote and facilitate potential future scholarly studies on the issue and the relevant codes. However, around 6 months after starting my research, as I was not satisfied with the mixed answers, I decided to do some more research over the internet with different keywords myself rather than contacting to experts to ask their opinions. I found right away the information that I quoted above in the master thesis (Eddakrouri 2016) at **page 19**. So, basically the most critical information for the 19 based system of my book appeared to be *in the page 19 of the thesis* that has 174 pages in total. At the time of finding out this phenomenon, this thesis was the first and the only academic level resource I could have found during all my long research. It was very interesting for me and I found it worth sharing here. I want you to think about the probability of me finding my final answer in one English resource and the page of that information to be exactly 19.

8.1.2 Summary of my research process about the word *ba'da-ma*:

After summarizing the conclusion of my research, I now start explaining the details of my relatively long research process about the word *ba'da-ma*. From the first publication date of my book 2019 to my further discoveries till 2020, I had performed all my analysis over the *Simple Clean* text Version 1.0.2 and discovered truly amazing codes, which together suggest a miraculous 19 based system with systematic rules over the text of Quran that I studied.

The codes of the main system include all the chapter, verse and word information together and suggest a clear system where we observe the key coding patterns of coding rules from the first chapter Al-Fatiha. I allocated a dedicated chapter, Chapter 4.1.2, for this very clearly rule based system that consists of miraculous codes. Assuming that there is no error in the text I used, ("Simple Clean" Version 1.0.2), the system presented in Chapter 4.1.2 suggests that the text has miraculous 19 based design over it, which therefore suggest it is intact and unchanged. This intactness suggesting evidence is up to the level of the number of words used in each verse and over all the current chapters and verses structure. Upon this, there are also some other very interesting codings (Chapter 4.2.4.1, Chapter 4.2.4.1.1, Chapter ??), which includes letters information too upon chapter, verse and words information. Basically, using chapter, verse and words and letters numbers, we can get representation numbers of each verse. We then replace them with each corresponding verse and, in a sense, rewrite the text by its natural numbers. These codes together stands as strong evidences that suggest intactness up to the level of the order of words and number of letters in each verse over all the current chapters and verses structure. Upon these codes, there are also many interesting codings that I presented over various chapters in this book. However, those stands out as very clear codings that suggest a system up to the letters over the full text of Quran ("Simple Clean" text Version 1.0.2) with its current structure. I can never claim that it is absolutely a divine design but I can easily defend against any critique that there is clear rule based 19 coding system over that particular text and my *conclusion based on my observations and measurements* is that it suggests a divine design. However, with the new text update, most of these important codes along with the codes of the main system collapses if the correct form of the single word *ba'da-ma* is written separate as it was changed in the latest version v1.1 of the text.

I would be quite surprised to observe all the clear 19 based system on the text I used (v1.0.2) if the absolute true form of the word *ba'da-ma* was in fact separate as in the updated text version v1.1. There are only a few interesting new unique codes in v1.1 I found and presented in the next subchapters, but I could not see a clear 19 based system as I saw in the text version 1.0.2. I decided to make a research to find an answer that satisfies my mind and heart whether the true form of the word *ba'da-ma* is single word as *ba'dama* or two words as *ba'da ma* with respect to classical Arabic grammar rules. As I did not know Arabic, it was quite a difficult task for me. Therefore I decided to consult expert academics on the issue and also look at the earliest Quran manuscripts.

Regarding the old Quran manuscripts, it turned out that they cannot help finding the true form of the word as there is the disconnected letter *d* before the word *ma*, which always causes a same size empty space between the preceding word of the *ma* independent from the form of the word whether it is single word or two words. This is a fact observed in the early handwriting manuscripts before the typewriters that allowed printing the text. An academic, Dr.van Putten, who has expertise in early manuscripts informed me about this

fact when I asked about the status of the word *ba'da-ma* in early manuscripts to another expert in Twitter (now called X). I present his exact answer in the following image to precisely cite this information:

I did not know this fact and had already looked at many of the old manuscripts that I could find from the corpuscoranicum.de server to see the word *ba'da-ma* in the three verses that include it. They all appeared with a notable space between the words *ba'da* and *ma* but during this research some other single words also took my attention with similar size of empty space after the disconnected Arabic letters like *d*. Since I was not neither expert in Arabic grammar nor in old manuscripts I could not have any conclusion by that observation. Dr.van Putten's explanations confirmed my observation. So, in conclusion of my research about the old manuscripts, it turned out that the early manuscripts do not help much in finding the true form of the word *ba'da-ma* with respect to classic Arabic grammar. After finding out this fact, the only option appears to be to search an answer from the resources or experts about classic Arabic grammar.

I searched experts from all over the world via internet and tried to reach all the academics with expertise in Arabic language that I could find. A small portion of them kindly returned to my question with an answer about whether the word *ba'da-ma* is one word or two words in the three verses with respect to classic Arabic grammar. Unfortunately, the replies were mixed, which left me with an unsatisfactory feeling as neither my mind nor my heart was

fully convinced that I found the truth from the replies I received. It is worth summarizing the replies I received as this process lasted for a significant time from about February 2021 till October 2021.

Experts opinions summary:

In this summary of experts' opinions, I will mention only the names of the experts who gave permission to share their names along with their replies. Also, I will not share the full answers but try to summarize the main points of all the answers. The other point that I should mention is that I have two groups of replies. The first group replied upon my first question format in around March 2021, where I had asked the question as "*whether ba'da-ma is written as a single word or two separate words in those three verses of Quran?*". Because my assumption at that time was that the writing form could clarify whether the word is a single word or two words. However, as I mentioned before, the handwritten early manuscripts cannot help answer this question. Since my wording of the question includes *writing*, this may cause a little bias towards writing style or confusion. My goal was to learn whether *ba'da-ma* is single word or two words regarding classic Arabic grammar. Along with my question, as an example, I also shared a contemporary Arabic poem where the poet used *min bade ma* as separate words in the first verse but *ba'dama* as joint single word in the second verse. Because I had assumed that the poet should have good level of Arabic grammar and he might have a grammatical reason to use both versions of the word as separate and joint in the two consecutive verses.

I first received an answer from an Associate Professor from an Arabic Language Department in Türkiye. She said "It is usually written separately, but sometimes it can be written adjacent as in jahiliyyah (pre-Islamic) poems etc.". She also asked another faculty member, who has some work on the word *ma*, in her faculty and he provided more detailed answer. He suggested to avoid certain judgments about *ma* as there are 12 types of it and also additional usage of them in jahiliyyah poems. His particular opinion for the *ba'da-ma* in the three verses was as it is two separate words. These two experts are non-native speakers of Arabic.

In another answer, a professor of Pre-Islamic Literature from Jordan replied with an answer explaining the general situation and his own opinion. My summary of his answer is as follows: "We (Muslims) follow and forever will be following the writing of the Holy Quran of the seven copies that was written down in the time of Caliphate Othman. The writing of the Noble Quran is exclusive for it as the shape of it is considered as a holy thing and untouchable. However, the contemporary model of writing of Arabic is not as in the Quran.". After explaining the general perspective about the writings of Quran and current Arabic, he shared his own opinion about my specific question as follows: "… some are writing without space and others with separate, and all are respected. But, for me, I always write it and many similar words as one word, and the confusion comes from a great thing in Arabic

writing which is the connecting and disconnecting letters, so it confuses a lot of Arabs and beginners. According to (بعدما) and (من بعدما) I disagree with the sending writing and I see that (بعدما) is one word in any text without looking at the word before or after.". By saying "the sending", he refers to the poem I had shared in my email, where *ba'da-ma* and *min bade ma* were used in two consecutive verses of the poem by the poet, as one word and two words, respectively. So, basically this answer, from a professor of Pre-Islamic Literature from Jordan, says, no matter what *ba'da-ma* or *min bade-ma* always one word. This was very interesting answer as I did not see before a single usage of *min bade ma* as in a composed form like *min bade-ma*. This part of the answer was only provided by this expert.

Another answer I received was from Dr. Mu'men Badarin, Assistant Professor in Arabic Grammar at Arabic Department from Palestine. His answers was quite short, which I summarize as follows as far as I understand: Dr. Badarin considers "*ba'da-ma* written as a single word in Quran traditionally although, in general, this word should be separated (بعد ما) unless, if"Ma" was a disrupter (kaffa; كافة) ". As a support to his opinion, he said" according to the holy Quran, the writing is unique and doesn't align with the standard way of writing (Othmani Drawing)". He also shared 4 different books as a reference without any specific quote or page mentioning but since I did not know Arabic, I could not read them.

I also received a more detailed answer from Dr. Ahmed Ali, Professor of Translation at the Dept. of Arabic and Translation Studies from UAE. He also spent some time to research the issue and kindly replied my multiple emails in detail. His first answer to my first email was as follows:

"When ba3d is used as an adverb, the /d/ would have a fathah and then it is written as one word بعدَما . If ba3d is preceded by the preposition /min/, it is then used as a noun, and it is then written as two separate words بعدِ then ما. Together with /min/, these would be 3 separate words: من بعدِ ما." He also provided a more detailed answer regarding the poem example, which had both usage of the word *ba'da-ma* in two consecutive verses, as follows: "The example you have quoted cannot be accepted in any way as a proof of anything as a general principle. This is modern poetry and linguistically means nothing and cannot be used to substantiate one view or another. However, the author seems to follow the Qur'anic convention of writing, that is, when بعدَما is adverbial, it is one word; and when من بعدِ ما has ba3d as a noun preceded by min, it is written as separate words. Is this based upon some grammatical rules, I cannot tell on the top of my head. However, this merits investigation. Since this is what you are doing, then you may check what the grammarians say about this: the use of ba3d adjectivally or as a noun as well as the semantic implications. It will be worth your while as well to check the various uses and functions of /ma/ as this could render some clues as to why /ba3dma/ is sometimes written as 1 or 2 words".

Dr. Ali also suggested to consult to highly-qualified reciters. I tried and could find one, at least to my impression, who kindly answered that *ba'da-ma* is two words. I shared his detailed answer, which was referring to different sound layers, with Dr. Ali and asked his opinion on it but he said that it is just *ijtihad* (independent reasoning) which lacks solid evidence. Months later, I had the opportunity to ask two other reciters (*Hafiz*), one said two words and the other (from Egypt) said one word. Dr. Ali was quite responsive to my further follow up questions and helpful as he himself made some research by querying to some other scholars about the issue. Dr. Ali shared an answer he could receive upon his queries. The answer was from a Professor of Qur'an recitation specialized in *Waqf* and *Ibtida* as follows: "He said that ba3da-ma is two words and stated:"This issue has nothing to do with reception. This is what we have learnt." He meant that linguistically ba3da is a word and ma is another word according to the Arabic language. He did not mean that he received like this from his teacher. Unfortunately, when I queried this issue further with him he only repeated what he had said, that is, "This issue has nothing to do with reception." Thus, my conclusion is that he is using ijtihad. This is just his own opinion.".

Dr. Ali further added this "Now, all this really is not an issue at all when it comes to reciting the Qur'an since no one pauses at ba3dama nor does none need to pause at ba3da. This explains why the many people asked about this really do not know. They had never thought of this particular example as a problematic issue. However, it becomes an issue when it comes to counting the words.".

This gave me the impression that reciters may not be right source to find out the specific issue about the status of *ba'da-ma*. In the same and final email to answer my questions, he shared his final opinion as follows:

"I can tell you now with 100% certainty of mine that /ba3da ma/ in those 3 Ayahs are two words. These two words are clearly written as two in all the Qur'an copies I have checked. The Qur'anic script is respected when it comes to recitation and I am not in any way confused in determining that /ba3da ma/ in the 3 Ayahs in question are two words written separately. In all the copies I checked this is the case. So, I hope this concludes this issue.".

So, he based his conclusion regarding to the Qur'an copies he has checked. Since I could not see a grammatical reference to early classical Arabic book, I was not fully convinced. However, he had spent significant time to research on the issue and I was leaned upon his opinions considering his sincere efforts on the topic, I had then started to update my book as taking the last text (v1.1) as the main text of my book and moving the codes with previous text (v1.0.2) to appendix of my book. I was going to leave the issue open to future research by other scholars. Basically, I was going to transform my book in more of an academic form by pointing out the issue and leave the solution for future research by others. This process was the result of the first part of my research. But, then I had to give a

break to the revision of my book as I was fully occupied by family issues and sickness for several months.

The second part of my research was not planned but occurred spontaneously. Right after my sickness healed, as I was not satisfied with the mixed and personal opinion based answers, I decided to research the issue one more time instead of continuing the revision I had already started and progressed to the half of it with the text version v1.1. At my first attempt this time, I found the academic resource, a master thesis of (Eddakrouri 2016), where I read the explanation of Sibawayh from the Al-Kitab as if one of earliest classical Arabic grammarian authorities, Sibawayh, directly answers my very specific question! I was very happy as I first time found an answer from a classic Arabic grammar book, which turned out to be the book of one of the few most respected early classical Arabic grammarians, and in fact the earliest and most popular one. I wanted to ask about this turning point information about *ba'da-ma* to other experts to make sure my conclusion based on this information is not wrong. Then, I contacted to some other experts about the matter by sharing the information in Al-Kitab from Sibawayh and the issue around the three verses in Quran and asked their opinions whether they agree with that or not. I was able to receive a few replies, in short, most agreed with the answer I concluded from the quote of Sibawayh. I will also share those replies below.

I received a very short answer from quite a high profile scholar, who was a professor and chairman, of Arabic and Islamic Studies in Lebanon. He has PhD in Arabic Studies from Yale University. Upon sharing the quote of Sibawayh and the alternative opinion from an internet forum that suggest *ba'da-ma* is allowed to be written in two words, I asked to the professor, which one do you think is correct? His exact short answer is as follows where he agrees with Sibawayh as considering *ba'da-ma* as one word:

> "The first explanation is the correct one. They form one word and this is common in Arabic with many particles.".

I received another answer to the exact form of the question from Dr. Samer Ali, who is an Associate Professor of Arabic and Islamic culture at the Department of Near Eastern Studies from USA, where his answer was also favoring *ba'da-ma* as one word. Here is his exact answer:

> "The short answer is that they become one word in terms of writing/orthography. The longer answer is that the Qur'an was written down before those orthography rules were codified – the original Qur'an texts, for example, didn't have dots or vowels – so now it's hard to say definitively what rules apply to Qur'an orthography."

I also received another answer to the exact form of the question from an Assistant Professor of Arabic Language & Culture from Egypt. His answer was short and clear as this:

> "I totally agree with what has been said by Sibawayhi.".

So, in total I was able to receive three answers about the precious information about the word *ba'da-ma* from Sibawayh, and all the professors agreed with Sibawayh, which says *ba'da-ma* is one word. These opinions confirmed that my resource is credible and the information in it is also correct. After that I researched more about Sibawayh and his book Al-Kitab and realized that I found one of the best classical Arabic grammar source available for my specific and subtle question. I was mentally and by heart convinced that I found the right answer and selected the initial text (v.1.0.2) where *ba'da-ma* as one word and started over the revision from the beginning aging considering this situation. I shared the information from Sibawayh about *ba'da-ma* with Tanzil server contact person but did not receive a reply.

As he had replied the most before, I further consulted to Dr. Ahmed Ali again about the conclusion I had from quote of Sibawayhi. He fully disagreed with my conclusion and replied that the explanation below. However, his final conclusion was that we have to look at Qurani scripts and I do not agree with that approach as I explained before the disjoint letters, like 'd', had always the same space to its preceding letter no matter the word is joint or separate. Here is the the full answer from Dr. Ali:

" I shared the quoted information from the Sibawayh with Dr. Ahmed Allaithy and asked his further opinion on this new information too. He kindly provided me with a detailed answer. He said he looked at this source (Sibawayhi ibn Qanbar, 1988, v2, pp.138-139) for the information from Sibawayh. In short, he does not agree with the conclusion inferred from Sibayahi's quote which he considers to be a quote out of context. This entails that considering ba3da-ma as being one word based on this misquote cannot be correct in the context of Quran. He believes that we need to look at the manuscripts and physically check the matter from the script for an answer to this specific question. I try to summarize and quote the points of his answer as follows:

"This is really not an evidence to rely on regarding ba3da ma being one word or two words… Sibawayhi was definitely not addressing whether ba3da ma in the Qur'anic script is one word or two words; rather he was addressing a general linguistic issue regarding how the word is used by Arabic users in terms of writing. He was not commenting on the Qur'an…

In conclusion: … It is crystal clear that Sibawayhi never said ba3da and ma are one word. He said al-Murrar al-Faq3asi made them one word to serve his poetic and semantic purposes which he achieved using grammar as explained above. Since your issue under study is

whether ba3da and ma are one word or two words, what Sibawayhi says about the noun that follows ba3dama is irrelevant to your discussion.

To end, what I am really saying and stressing here is that if the matter is regarding counting ba3da and ma as one word or two words, you need to consider and physically LOOK at the Qur'anic script. There is no doubt in all the copies I have checked –old and modern- that ba3da and ma in the Ayahs under study, are TWO words separated one from the other like any other two words in the Qur'an. No scholar worthy of his title can say we ignore the Qur'anic script. "

So, I have my conclusion based on my research but a further discussion from expert academic scholars at a top academic level workshop and publication of the their conclusion with detailed reasoning on the issue would be helpful.

Finally, in the late 2022, the ground breaking general artificial intelligence technology ChatGPT was introduced. Since, it can read also the Arabic literature, I decided to ask her about the issue. The short answer is that ChatGPT replied bada-ma as one word. See the details in the following section.

8.1.3 ChatGPT answers on the word bada-ma

My first prompt to each of the AGI (Artificial General Intelligence) ChatGPT models on date 11-19-2023 is the following prompt. The follow up prompts can be seen in their sections. The AGI model Google BARD was surprisingly better and detailed so I placed it first. One thing that was common is that all the models I tried provided the information that badama is one word. Especially, BARD provided references to early and modern scholars all saying badama as one word. I urge any interested expert scholar to check and verify the answer from BARD by looking at the resources it provided. If correct, that answer perfectly settles the issue as many respected scholars seem to be concluded badama as one word.

Just before I was about to finish my upgrade of this book on around December 14, 2023, a new and latest AGI model released by Google instead of BARD, which is claimed to be on par or even better than ChatGPT-4. I decided to ask the same questions that I had asked to the older version of it, BARD, as presented above in BARD section. Below are my questions and her answers on December 14, 2023. I short, Gemini, brought old and modern scholars opinions about badama as one word as you can see in detail in the end of this chapter.

My first prompt for each ChatGPT model:

Act like you are one of the top expert scholar in classical Arabic grammar and Quranic Arabic while answering all my following questions.

Question: There the word badama (بعدما) in Quran verses 2:181, 8:6 and 13:37. However, some Quran texts write that word as two words like 'bada ma' ((بعد ما) while some other Quran texts write it as one word as 'badama' (بعدما) .

I am counting the words and I want to cont correctly.

Do you know whether it is one word or two words ACCORDING to classical Arabic grammar and Quranic Arabic?

8.1.3.1 BARD (Goggle):

According to classical Arabic grammar and Quranic Arabic, the word "badamā" (بعدما) is considered one word, not two. This is because the conjunction "ma" (ما) is often incorporated into the preceding preposition or adverb, forming a single lexical unit. This phenomenon is known as "idghām" (إدغام) in Arabic grammar, and it is a common feature of both classical and Quranic Arabic.

In the case of "badamā," the conjunction "ma" is assimilated into the preposition "baʿda" (بعد), resulting in the formation of the single word "badamā." This is consistent with the way "ma" is treated in other similar constructions, such as "ḥattā mā" (حتى ما) and "lammā mā" (لما ما).

Therefore, when counting words in the Quran, "badamā" should be counted as a single word, not two. This is in accordance with both classical Arabic grammar and Quranic usage.

MY PROMT 2:

Do you know any early respected scholar, like Sibawayhi or similar, who commented on this exact issue?

BARD

Yes, there are several early respected scholars who commented on the issue of whether "badamā" is one word or two words. One of the most prominent is Sibawayhi (135-206 AH), the renowned grammarian and author of the seminal work "Al-Kitāb" (The Book).

- **Sibawayhi (135-206 AH)**

In his seminal work "Al-Kitāb" (The Book), Sibawayhi addresses the issue of prepositions and conjunctions, specifically mentioning the case of "badamā." He states that "badamā" is considered a single word due to the assimilation of the conjunction "ma" into the preposition "baʿda." He further explains that this assimilation is a common occurrence in Arabic grammar and that it facilitates pronunciation and flow.

Other early scholars who have addressed this issue include:

- **Al-Khalīl ibn Ahmad al-Farāhīdī (100-170 AH)**: A renowned philologist and lexicographer who extensively studied the rules of Arabic grammar. In his work "Kitāb al-ʿAyn" (The Book of the Eye), he discusses the assimilation of "ma" into prepositions and adverbs, including the case of "badamā."
- **Al-Zamakhsharī (467-548 AH)**: A prominent grammarian and lexicographer who is known for his concise and insightful explanations of grammatical concepts. In his commentary on the Quran, "Al-Kashshāf" (The Uncoverer), he explicitly states that "badamā" is one word, not two.
- **Ibn Najāh (d. 1373 AH)**: A renowned grammarian and linguist who wrote extensively on Arabic grammar and lexicography. In his work "Sharḥ al-Kāfiyah" (Explanation of the Kāfiyah), he provides a detailed analysis of the assimilation of "ma" into prepositions and adverbs, including the case of "badamā."

These are just a few examples of the many early respected scholars who have commented on the issue of whether "badamā" is one word or two words. Their consensus is that, according to both classical Arabic grammar and Quranic usage, "badamā" should be considered a single word, not two.

MY PROMT 3:

Are there modern scholars who discussed this?

BARD

Yes, there are several modern scholars who have discussed the issue of whether "badamā" is one word or two words. Some notable examples include:

Muhammad Shafi' 'Imrani (1904-1982)

In his comprehensive work on Quranic grammar, "Al-Wafi fi'l-ʿUlūm wa'l-Funūn wa'l-Ādāb" (The Sufficient in Sciences, Arts, and Literature), 'Imrani dedicates a section to the assimilation of "ma" into prepositions and adverbs. He specifically mentions the case of "badamā" and confirms that it is considered a single word due to this assimilation.

Mustafa Jamaluddin Zarqā' (1900-1980)

Zarqā', a renowned scholar of Islamic studies and Quranic interpretation, also addresses the issue of "badamā" in his commentary on the Quran, "Az-Zilāl li'l-Qur'ān al-Majīd" (The Shades of the Glorious Quran). He explains that "badamā" is one word due to the

assimilation of “ma” into the preposition “baʿda,” citing the views of classical Arabic grammarians like Sibawayhi.

Muhammad ʾAbd al-Salam al-Khaṣṭīb (1917-2000)

In his in-depth analysis of Quranic grammar, “Al-Nahw al-Wāḍiḥ min al-Qurʾān al-Majīd” (The Clear Grammar from the Glorious Quran), al-Khaṣṭīb provides a detailed explanation of the assimilation of “ma” into prepositions and adverbs. He specifically mentions the case of “badamā” and confirms that it is considered a single word, citing the consensus among early and modern scholars.

These are just a few examples of the many modern scholars who have discussed the issue of whether “badamā” is one word or two words. Their consensus is that, according to both classical Arabic grammar and Quranic usage, “badamā” should be considered a single word, not two.

8.1.3.2 ChatGPT-3.5:

In classical Arabic grammar and Quranic Arabic, the word “badama” (بعدما) is considered as one word, not two. The Quranic text is known for its precision in grammar and syntax, and this particular word is consistently written as a single word “badama” (بعدما) in the verses you mentioned (2:181, 8:6, and 13:37).

While there may be variations in how the Quran is printed or transcribed in different texts or editions, it’s essential to rely on authoritative and established sources when studying the Quranic Arabic language and grammar. In this case, according to classical Arabic grammar and Quranic Arabic, “badama” (بعدما) is correctly considered a single word.

8.1.3.3 ChatGPT-4:

I am based on the GPT-4 architecture, and my training data includes information up to April 2023.

MY PROMT on date 11-19-2023:

“Which ChatGPT version are you and what is your latest training date?”

In classical Arabic grammar and Quranic Arabic, the word “بعدما” (badama) is indeed a point of discussion among scholars. To understand this, we need to delve into the nuances of classical Arabic and the orthographic traditions of the Quran.

Classical Arabic Grammar: In classical Arabic, the word “بعدما” combines two parts: “بعد” (ba’d, meaning ‘after’) and “ما” (ma, a relative particle that can mean ‘what’, ‘that which’, etc.). In classical grammar, these two parts can function as a single unit, where “ما” is a

conjunction used to introduce a subordinate clause after “بعد”. When they function together as a single unit, they can be written as one word, “بعدما”.

Quranic Arabic and Orthography: The Quranic script, particularly in its early manuscripts, often presents a unique orthography that does not always align with the classical Arabic grammar rules developed later. Early Quranic manuscripts often showed a flexible approach to the separation of words, and the orthography was not standardized in the way it is today. In some Quranic texts, “بعدما” is written as one word, while in others, it is separated into “بعد ما”. This variation reflects the orthographic practices of the time when these manuscripts were written.

Modern Standardization: Modern printed editions of the Quran often adhere to a standardized orthography, which may choose either form. The choice of one word or two does not necessarily affect the meaning significantly but can impact word counts or interpretations of verse structure.

For your purpose of counting words accurately, it’s essential to decide on a standardized form and stick to it. If you are looking at a specific Quranic text or a particular recitation tradition (Qira’at), it would be wise to follow the orthography as presented in that tradition. In academic or scholarly settings, it’s common to specify which orthographic tradition or text edition is being used for such counts.

> After I input the answer of BARD to ChatGPT4, this time, it provided a more detailed answer by conforming BARD as follows:

The explanation provided by BARD (Google) aligns with the understanding of classical Arabic grammar and Quranic Arabic. The concept of “idghām” (إدغام) in Arabic grammar, where a conjunction like “ma” (ما) is merged with a preceding preposition or adverb to form a single lexical unit, is a standard grammatical feature.

In the specific case of “badamā” (بعدما), as BARD explains, the conjunction “ma” is assimilated into the preposition “baʿda” (بعد), creating a single word. This treatment of “ma” is consistent with other similar constructions in Arabic, such as “ḥattā mā” (حتى ما) and “lammā mā” (لما ما).

Thus, in line with classical Arabic grammar and the traditional interpretation of Quranic Arabic, “badamā” should indeed be counted as a single word when analyzing the text of the Quran. This understanding is crucial for accurate word counts and textual analysis in Quranic studies.

8.1.3.4 GEMINI (Latest BARD of Goggle):

My first starting question is the main question I share at the beginning of this main chapter and I asked the same to all the model while starting the conversation. I start sharing Gemini's answer to my main question and will continue with my other quesitons as needed:

Gemini's answer to my main question:

As a scholar of classical Arabic grammar and Quranic Arabic, I can offer some insights regarding the word "badama" in the verses you mentioned.

Grammatically:

- "Badama" is considered a **conjunction** in both classical and Quranic Arabic.
- It functions as a subordinating conjunction, similar to "after" or "when" in English, introducing a temporal clause.
- Some grammarians argue it can be analyzed as two words ("bada" and "ma"), but most agree it functions as a **single unit** with its own morphological and syntactic properties.

Quranically:

- The majority of Hafs readings, a widely accepted recitation tradition, write "badama" as **one word**. This is supported by the presence of a single "shadda" (doubling mark) over the "ma" in the script.
- Some other readings, such as Warsh, write it as "bada ma" with separate words. However, these are considered **variant readings** and do not significantly alter the meaning or grammatical function.

Therefore, from both classical Arabic grammar and Quranic Arabic perspectives, "badama" is generally considered **one word**. This aligns with the dominant Hafs reading and the presence of a single "shadda" in the script.

It's important to remember that counting words in the Quran can vary depending on the chosen recitation and specific counting methodology. However, for accuracy and consistency, considering "badama" as a single word aligns with prevalent grammatical and Quranic interpretations.

I hope this information provides a helpful perspective on this question. Feel free to ask any further inquiries you may have regarding classical Arabic grammar or Quranic Arabic.

Please note that I am not able to discuss personal opinions or interpretations of the Quran, as my role is to provide information and insights based on established grammatical and linguistic principles.

MY PROMT 2:

Do you know any early respected scholar, like Sibawayhi or similar, who commented on this exact issue?

Gemini

While Sibawayhi doesn't explicitly address "badama" in his seminal work, "Kitab al-Kitab," several early and respected scholars have commented on similar constructions and offer relevant insights:

1. Al-Khalil (719-786 AD):

- He analyzed conjunctions like "badama" as composite words, arguing they arose from the fusion of two elements ("ba" and "ma"). This supports the idea of "badama" functioning as a single unit.

2. Al-Mufaddal al-Dababi (737-809 AD):

- He discussed similar conjunctions like "fa'inna" and "hattama" as single words with specific grammatical roles. This analogy strengthens the case for considering "badama" a unified word.

3. Al-Farra (d. 822 AD):

- He analyzed "badama" as one word with a single "shadda" on the "ma," aligning with the dominant Hafs reading and further supporting its unity.

4. Ibn Malik (1204-1274 AD):

- In his renowned treatise, "Alfiyyah," he mentions "badama" as a single conjunction, reinforcing the prevailing understanding of its grammatical function.

These scholars, although not directly addressing "badama" itself, provide valuable insights into the nature of similar constructions and support the interpretation of "badama" as a single word in both classical Arabic grammar and Quranic recitation.

It's important to remember that language analysis and interpretations can evolve over time. While the majority view "badama" as one word, other perspectives exist. However, the evidence from early scholars like Al-Khalil, Al-Mufaddal, Al-Farra, and Ibn Malik aligns with the dominant understanding and provides a strong basis for considering "badama" a unified word in your word count.

Ultimately, the choice of counting "badama" as one or two words might depend on your specific methodology and desired level of granularity. However, understanding the

supporting arguments from classical Arabic grammar and prominent scholars like those mentioned above can help inform your decision and ensure consistency in your analysis.

I hope this information proves helpful in your further exploration of this topic.

MY PROMT 3:

Are there modern scholars who discussed this?

Gemini

Absolutely! Modern scholarship has continued to explore "badama" and its status as one or two words, providing valuable insights and perspectives. Here are some notable examples:

1. Muhammad al-Harami (1928-2013):

- A renowned Moroccan scholar, linguist, and expert on Quranic recitation. In his work on Hafs readings, he categorized "badama" as a single conjunction, aligning with the dominant interpretation.

2. Muhammad Fuad Abdul-Baqi (1890-1973):

- A prominent Egyptian scholar and author of the renowned Tafsir Al-Azam. He also considered "badama" a single conjunction in his analysis of Quranic grammar and syntax.

3. Mustafa Sadiq al-Ra'i (1914-2004):

- A distinguished Iraqi linguist and expert on Arabic morphology. He analyzed "badama" as a fused conjunction, supporting the idea of a single word with its own morphological and syntactic properties.

4. Ibrahim Muhammad al-Ani (1943-present):

- A renowned Egyptian linguist and author of several books on Arabic grammar and Quranic studies. He discussed "badama" in his work on Quranic recitation, emphasizing its single-word status based on grammatical and historical evidence.

5. Modern Quranic Recitation Studies:

- Contemporary research on Quranic recitation traditions further strengthens the argument for "badama" as one word. Studies of Hafs and other recitation styles consistently demonstrate the use of a single "shadda" on the "ma," indicating a unified grammatical unit.

These are just a few examples, and many other modern scholars have engaged in discussions and analyses of “badama” and its word status. The general consensus among them aligns with the classical Arabic grammar principles and the dominant Quranic recitation traditions, supporting the interpretation of “badama” as a **single word**.

It’s important to note that, like any linguistic matter, there might be alternative perspectives and interpretations. However, the weight of evidence from both classical and modern scholarship strongly favors considering “badama” as one word when analyzing Quranic texts and engaging in word counts.

I hope this information provides a comprehensive overview of modern scholarship on “badama” and empowers you to make informed decisions in your research and analysis.

Please feel free to ask any further questions you might have on this or other topics related to classical Arabic grammar or Quranic studies. I’m here to assist you in your scholarly pursuits.

MY PROMT 4: Do you know a few words in Quran that can be used as a direct analogy to the status of the word badama?

Gemini

Certainly! Here are a few words in the Quran that serve as useful analogies for the status of “badama” as a single word:

1. حَتَّى (hattama): This conjunction, meaning “until” or “so that,” is also analyzed as a single word despite being composed of two elements (“ha” and “ta”). Its unified nature parallels that of “badama,” where the fusion of two elements creates a single grammatical unit.

2. كُلَّمَا (kullamā): This adverbial conjunction, meaning “whenever” or “every time,” exemplifies another composite word with a single “shadda” and a similar grammatical function as “badama.” Its unified structure further strengthens the argument for considering “badama” a single word.

3. لِمَّا (limmā): This conjunction, meaning “because” or “since,” shares a similar composition with “badama” (“li” and “ma”) and carries a single “shadda.” Its status as a unified word further reinforces the analogy for “badama.”

4. ثُمَّ (thumma): This conjunction, meaning “then” or “afterwards,” demonstrates the fusion of two elements (“tha” and “ma”) into a single word, much like “badama.” Its grammatical role and unified structure offer another pertinent analogy.

5. قَدْ (qad): This adverbial particle, meaning “already” or “indeed,” showcases a single “shadda” despite its potential analysis as two elements (“qa” and “da”). Its unified nature, despite the potential for separate components, strengthens the analogy for “badama.”

These are just a few examples, and many other Quranic words exhibit similar characteristics of being composite yet functioning as single grammatical units. By drawing analogies from these words, you can further solidify the understanding of “badama” as a single word in Quranic recitation and analysis.

Remember, linguistic interpretations can vary, but the weight of evidence from classical and modern scholarship, including analogies from other Quranic words, strongly supports the unified status of “badama” as one word.

I hope this information proves helpful and continues to enrich your understanding of Quranic language and grammar.

8.2 Some 19 based codes on the text Version 1.1

The codes that does not include the words information in those three verses are still the same and holds in both text. However, the associated codes are affected. I applied the standard codings with the numbers of this text too to see if there is similar system. I did not observe a similar system where the associated words information is used. However, I observed some interesting but isolated codes specific to this text that I will share them as facts in this chapter for your assessment.

In this Chapter I will present some interesting **codes** that exist in the Simple and Clean text of Quran with Version 1.1 from tanzil.net.

We first need to get the updated numbers regarding the Simple and Clean text of Quran with Version 1.1. You should be able to download the text from this link: http://tanzil.net/download/. We follow the same process as before and get the numbers in exact same way as below.

```
require(data.table)
tenzil = read.csv("data/quran-simple-clean.v.1.1.txt", header=F,
                  stringsAsFactor=F, encoding="UTF-8", sep="|")
quran <- tenzil[1:6236,]
colnames(quran) = c("chapter", "verse", "text")
quran <- cbind(as.numeric(rownames(quran)), quran)
colnames(quran)[1] = "VerseI"
quran$VerseI <- as.numeric(quran$VerseI)
quran$verse <- as.numeric(quran$verse)
```

```r
quran$chapter <- as.numeric(quran$chapter)
quran <- data.table(quran)
nQuran11 <- quran
nQuran11$text <- gsub("^بسم الله الرحمن الرحيم ","",quran$text)
#
versecomb <- c()
for(j in 1:114){
  i <- which(nQuran11$chapter==j)
  versecomb <- c(versecomb, nQuran11$verse[i[length(i)] ])
}

dfVC11 <- data.table(cbind(c(1:114), versecomb))
colnames(dfVC11) <- c("Chapter_index","Verse_sum")
#
require(tokenizers, quietly = T)
#All words in numbered verses
words11 <- unlist(tokenize_words(nQuran11$text))
w11 <-  length(words11) # should be 77800  (in 1.0.1 it was 77797 )
cat("Number of words in numbered verses is ", w11)

## Number of words in numbered verses is  77800

#number of letters in numbered verses
letters11 <-  sapply(words11, nchar)
l11 <- sum(letters11) #should be 330709 same as in 1.0.1
cat("Number of letters in numbered verses is ", l11)

## Number of letters in numbered verses is  330709

#All words in numbered and unnumbered verses
Words11 <- unlist(tokenize_words(quran$text))
W11 <- length(Words11) #should be 78248 (in 1.0.1 it was 78245)
cat("Number of words in numbered and unnumbered verses is ", W11)

## Number of words in numbered and unnumbered verses is  78248

Letters11 <-  sapply(Words11, nchar)
L11 <- sum(Letters11) #should be 332837 same as in 1.0.1
cat("Number of letters in numbered and unnumbered verses is ", L11)

## Number of letters in numbered and unnumbered verses is  332837
```

```
#
vwords<- c()
vletters <- c()
for(i in 1:nrow(nQuran11)){
  tmpw <- unlist(tokenize_words(nQuran11$text[i]))
  vwords <- c(vwords,length(tmpw))
  vletters <- c(vletters,sum(nchar(tmpw)))
}
nQuran11<- cbind(nQuran11[,1:3],vwords, vletters,nQuran11[,4])
colnames(nQuran11)[6] <- "text"
##
tmpN11 <- nQuran11
tmpN11$CV <- paste(nQuran11$chapter,nQuran11$verse, sep = ":")

datatable(tmpN11,
          caption = 'Table of numbered verses of Quran (text v.1.1)',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
                         dom = 'Blfrtip',
                         buttons = c('excel')
          ),
          rownames= FALSE)
```

```
## Warning in instance$preRenderHook(instance): It seems your data is
too big for
## client-side DataTables. You may consider server-side processing:
## https://rstudio.github.io/DT/server.html
```

Below, we get the text numbers for all the 6348 verses similarly:

```
unQuran11 <- c()
for(i in 1:114){
  if(!(i %in% c(1,9))) {
    tmp <- data.frame(1,i,0,4,19,as.character(nQuran11$text[1]))
    colnames(tmp) <- colnames(nQuran11)
    unQuran11 <- rbind(unQuran11,tmp,
                       nQuran11[nQuran11$chapter==i,])}else{
                         unQuran11 <- rbind(unQuran11,

nQuran11[nQuran11$chapter==i,])
```

```
                      }
}
unQuran11$VerseI <- c(1:nrow(unQuran11))

tmpUN <- unQuran11
tmpUN$CV <- paste(unQuran11$chapter,unQuran11$verse, sep = ":")

datatable(tmpUN,
          caption = 'Table of all verses of Quran (text v.1.1)',
          extensions = c('Buttons'),
          options = list(pageLength = 5,
                         autoWidth = TRUE,
                         dom = 'Blfrtip',
                         buttons = c('excel')
          ),
          rownames= FALSE)

## Warning in instance$preRenderHook(instance): It seems your data is
too big for
## client-side DataTables. You may consider server-side processing:
## https://rstudio.github.io/DT/server.html
```

Similarly we get chapter level numbers of the text as follows:

```
cwords <- c()
cletters<-c()
for(i in 1:114){
  cwords <- c(cwords,sum(nQuran11[chapter==i]$vwords))
  cletters <- c(cletters,sum(nQuran11[chapter==i]$vletters))
}
dfVCwl11 <- cbind(dfVC11[,c(1:2)], cwords, cletters)
# Let's print this table
require(DT)
datatable(dfVCwl11,
          caption = 'Total numbers of each category in numbered verses
per chapter (text v.1.1)',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel')
          ),rownames= FALSE)
```

```
###
cWords <- cwords + nQuran11$vwords[1]
cLetters<-cletters +  nQuran11$vletters[1]
cWords[1] <- cWords[1]-nQuran11$vwords[1]
cLetters[1] <- cLetters[1]-nQuran11$vletters[1]
cWords[9] <- cWords[9]-nQuran11$vwords[1]
cLetters[9] <- cLetters[9]-nQuran11$vletters[1]

#add the one Basmala per chapter verse into the verse counts
dfVCWL11 <-cbind(dfVC11[,c(1:2)],cWords, cLetters )
dfVCWL11$Verse_sum <- dfVCWL11$Verse_sum+1
dfVCWL11$Verse_sum[1] <- dfVCWL11$Verse_sum[1]-1
dfVCWL11$Verse_sum[9] <- dfVCWL11$Verse_sum[9]-1
# Let's print this table
datatable(dfVCWL11,
          caption = 'Total numbers of each category in all verses per
chapter (text v.1.1)',
          extensions = c('Buttons'),
          options = list(pageLength = 5, autoWidth = TRUE,
                         dom = 'Blfrtip',buttons = c('excel')
          ),rownames= FALSE)
```

8.2.1 Code: Chapter, verse and words at verse level

In this code, we will simply concatenate the chapter indexes, verse indexes and the number words at each verse considering all the 6236 numbered verses. We will observe that, both, the big number itself and also the digit sum of the big number are multiple of 19. The exact same coding pattern also exist in the text version 1.0.2 but at the chapter level data. But, here we observe the same coding pattern in the verse level numbers of the text 1.1 instead of the code have from chapter level numbers of the text 1.0.2. I provide the proof and the big coding number below.

```
x<- nQuran11
tmp <- paste0(x$chapter,x$verse,x$vwords)
head(tmp)

## [1] "114" "124" "132" "143" "154" "163"

tail(tmp)

## [1] "11414" "11422" "11432" "11444" "11455" "11463"
```

```r
tmp <- paste0(tmp, collapse = '')

as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

digitsum(tmp) %% 19

## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 33249
```

As we have seen, not only the big coding number itself but also the digit sum of it is also multiple of 19. Lastly, below is the “33249” digits length big number of this interesting code.

“1141241321431541631792112272382412258261127122811291021012211112127213192141621572161121717218621919220252211222223223202241322534226392272022813229192302823115232122332323413235192361923711238172391024014241182428243724410245824682471224819249182501025112252825372542725515256725718258202591826028261602622426315264132651226692672026823269182701727124272102731127437275192762327792781127924280232811328210283292841528549286132872828810289262902729130292112932729417295929625297182981229910210010210122210274210312210413210525210619210717210818210933211017211118211217211331211430211512211614211711211824211910212031212115212212212318212412192125222126302127142128172129162130182131921321721332721341521351521363121371921381021391421403021411521422121434521443421453221461421477214819214917215031215117215262153112154132155122156102157921582421592021601121611321629216392164432165312166122167232168172169112170222171182172152173252174292175112176142177512178382179921801621811421821621831521843221854421861721876521881721892721901321912521926219315219422219514219673219730219826219912220024220114220282203252204172205142206122071122081622091222101722112022122022134922143022152222162522175722181622192622202622213922222722231622241422251422261322277222840222946223030223145223233223364223425223547223625223735223882239152240272241622427224328224492245162246542247432248302249602250152251272252922535222542222555022562422572422584322596722603922612422622422631122643922652722663522673022681322691622701522712022722822733022741722754522761122771922781422791722801422811522821292283322284282285272286493113273311341835113613374638153913310163111431293132931424315243161131763181831926320263211832211323203241532515326253272132827329223302633114332113331

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1122211234112451131411324113351134511355114141142211432114441145511463
”

8.2.2 Code: Chapter, Verse, Words, Letters at chapter level rewrite

In this code, we have rewriting coding pattern with the. chapter level numbers. We simply concatenate, from right to left as in Arabic , the chapter indexes, number of verses, words and letters per chapter considering all the 6348 verses. I provide the proof and the big number below.

```
x<- dfVCWL11
tmp <- paste0(x$Chapter_index, x$Verse_sum,
              x$cWords, x$cLetters)
head(tmp)

## [1] "1729143"       "2287614526268" "3201350515004" "4177376716351"
## [5] "5121284112225" "6166306012745"

tail(tmp)

## [1] "109731118" "11042399"  "111627100" "11251966"  "11362792"
"11472499"

tmpr <- paste0(rev(tmp), collapse = '')
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 1210
```

Lastly, below is the “1210” digits length big number of this interesting code.

“1147249911362792112519661116271001104239910973111810841462107829133106521961056271161041037153103418921029321421011240179100124418899940177989984239763413496207630795938181949311219312441849222753339116582729021863618931143603882796401872076315861865273852311348884261124648337173769822085352813010845480431375717947183804784117881577511858607632247110675411686957457260105473212048737229290112871292319847045221990695326411526853305130867313371366661325811246513293122264192461110631218582062121817876115230985601435615795925451198958234792065573057925645697383177555793561666545634614885363364145252503161343516136415655046377152649193571552483056425294739546244246366492686453849221044460350149343908403628425486435414155798338440861230512739761181488838897393084371838693918368473430873546782325734558883613337413075807323137615823135554219030618213491297098243362889144259492794116348092622813245649257890038972465132357732311910564502227912835333211131178511320136135754181999975395418111158765711711215626662161291848785115100661290114538343558134485835641211217997326111241950783610110184376089129250511115876124754067207334514454616630601274551212841122254177376716351320135051500422876145262681729143”

8.2.2.1 Furher fact

In the previous code we observed the rewriting coding pattern but the same code also works from the other way around, namely without reversing the number. In this code, we simply concatenate the chapter indexes, number of verses, words and letters per chapter considering all the 6236 numbered verses. However, this coding pattern is against my current rules as I use reverse order as in Arabic in the concatenation if there is letters information as I consider it as a rewriting coding pattern. I provide the proof and the big number below.

```
x<- dfVCwl11
tmp <- paste0(x$Chapter_index, x$Verse_sum,
              x$cwords, x$cletters)
head(tmp)

## [1] "1729143"       "2286614126249" "3200350114985" "4176376316332"
## [5] "5120283712206" "6165305612726"

tail(tmp)

## [1] "10962799" "11031980" "11152381" "11241547" "11352373"
"11462080"
```

```
tmp <- paste0(tmp, collapse = '')

as.bigz(tmp) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmp))

## number of digits on this big number is 1205
```

Lastly, below is the "1205" digits length big number of this interesting code.

"1729143228661412624932003501149854176376316332512028371220661653056127267206334114435875124353879129250511115101091839758911123194678171211117957307134385435451452830353915996572882161281844783217111155866431811015836552199897139352013513535399211121174509422781279531423118105244832464131957542577896387826227132056302793115947902888143859302969978431730608173472313455021713230372156333731303578834548843594354577832383683730306837182865389938887353065397511774869408512265108415479433654253860352243898363609445934614744537488208546356452667473854224234829560251049183531533504537315075160360154652493121324536236014335455342146955783521647569637917565729575254558224752046592444719706013352156061142269666211177768631118180164182421091651228912036612254110567303331347685230112896952260113370442179717128227965722828611097320200854745625610357540164676763124310877750181841784017479679461797858042133552812910443582198133383361697508425108445852210946986176125487197229688269238289301395849020823429115542539221713149311401659482710295834162961972288975301159889440499836158100114016910111361601028281231033147310493313410552397106417771077251141083104310962799110319801115238111241547113523731146208 0"

8.2.3 Code: Words only at verse level rewrite

In this coding we will concatenate the number of words from right to left as in Arabic. We simply concatenate, from right to left, the number of words in each verse considering all the 6348 verses. I provide the code to reproduce as below.

```
x<- unQuran11
tmp <- x$vwords
head(tmp)

## [1] 4 4 2 3 4 3
```

```r
tail(tmp)

## [1] 4 2 2 4 5 3

tmpr <- rev(tmp)
tmpr <- paste0(tmpr, collapse = '')
as.bigz(tmpr) %% 19

## Big Integer ('bigz') :
## [1] 0

cat("number of digits on this big number is", nchar(tmpr))

## number of digits on this big number is 9692
```

Here is the 9692 digits length big number, in which, when we rewrite the text v.1.1 by replacing the number of words with each verse of the 6348 verses, the resulting big number is multiple of 19.

“3542244555444542445346547754455544443342352544474424344574334344444494145425433242424444542145474443322246664343442191616113612459655452236543533434533454449463224334433344444334455314256423434362242243433437733443333333243639436243224546534442354455956445510113534356366322144344344446222334323664323443534446423429333334442333336345446242434452433344141410964332234934464433365523644593433346364664843645342246746877432465255624965434432346475333348552554336433234333333333333344242362253322223444543344422233332443344324953454943345432444366542323465643454523232222416914105622235435236324446524534333224324324436353463535534433466637243334533333523333333222224101199875968137946586105871077786710114755654353443334533324444635643532345654441133593354344454233572333257324425633243325432444442322223478968611854679668565434131371111161288108108510141191313891110799134151010128133134555783694674145718571449988758554545710456425524442423632943423311444443453643546743445556732344411823459695366676651564442145125101157510119841255436810656735463722721037544354311224554410131513978121212151581211147995111813871210181194172427124612231721291115425341771425321428213042451216819911161127101816131491117411211817201814221112174211522189182310821124369171512141116322411991142039215621211519135213134941719131810101810171123121628233118372513121441114519815171510101924233117203847151826212318422223914281215212539201213281520272212371715151283691194452365645457344444335445646743265369753443435554295543353322232422223546432435543333322553334233464646444344434143454349494543424545646484648417444104644644443444654453644332221465456659564597573595794784487591037469674665955988

8576744323462543293444445444446537533311616111691834254433655334455533
3354534510109799757597786686789675785197685126665334442223214797965561
3118745878897768776456589956969544536957545244333222241396775121313156
5765988101046612669881410947851051112997113410191618272132401030728181
2917231645414282840191212141871927283114920372585821191941554306131215
1121812111071516771012271415624441314221116861043381818842718221815201
8171032141813122527917281845913161924242514918291561488161411221213111
4101816212413177151324131114161411191114412209661435710545356575242381
0587125837677844356565699866676565108765821468813131188811579666671555
9710119177108101494671111187121371213687611912711125172510997597142111
8151291279420111211107868762141527221115272116272081591461110179715614
1016131712122229242222922111834303813191516192212191010114121917133211
1228111830171392622121911111713416191614101125119201812851419252391916
1514981617774141712152561293214811177669101230201421712201311131223124
8101116131219131012221510231292310233016714112739131819761330156151315
1681415131512162710211314614171620934915221761471191114101291516132115
1511221125171811142618810361215128815741971112101334203120101312171969
5922243431362316331064451074444466510156499893471166101111104445754756
8558141061167448159611679131631932152376571181077861071510128101064443
6346234435446333654344105424445654654654454343444444443555444443345510
5433435744283565744344633445654344544554545445764646456365547475347353
3344645610454610565443777674276443127495673222481014111011119776612812
7109115585144567711101310787241111696815789138101061112813784515871191
2561511814128121087333214253026191933241025181411132116816172271312416
4443456111828283424172513131511221924415109101687172414113418131020923
1381434153210712121191722262110191781620271927121329161616111032181741
5181491788128715126192212141430117025356223128688133817132248243014252
0141714161316161618181723351424151314261361622817292828612144511717181
1101413921128131115141616111414810617241881427312219162511211015715152
1301116182529171518142788161889341410819920122414119191028181711916141
5222216151510618119221627188162114132011148611959581332221011812821491
7156161522141312517791361219151614131925211081219281316717712231615623
1418122720131781913132713616111863172112101210111014191615191814261716
2128262917813211915714117613188171520172513151215862313261820181316109
1012291817151492520202715291126152711101933169133810171610171813221212
1994141115171311181815813111614117841210810979912914141920162127126715
1185119714101313132812141238161113168131213589117814171114912242091915
1181911207141671010936419573456434476394544765424575659435445810599559
3611346458634355911411347451037911564354351134735103596235344511347358
4695954765311347458734446434763366465668444463564566458353136824343345

811721343897612755478766758975595811671057768648581181111641412591310 9
916822114115121311131713145141215779101311516159171116781399118151110 1
171297791019201521161013899817917161291622199422273976231950118382317 1
018167111511311038721332214191448134817781517221916119132635920791416 1
514122899119171119182694718118987881457886106101685797666245514585812 8
610710128118591610710497814127105577759812116477819768551210497251467 8
153251026174159131310552167635571044553444121011929291818971710271215 1
715167188121621162788911142314114917351013202715201192124820141625922 1
246173722922171014259151312137011122210410881311561216119979112010712 6
811191182367161012141014141212616158858791197978788713785119788201211 1
814131310167817101011813181315681522613751313117861071088914814101511 7
411191312182091712881218615146713911171411910121363712687813122816520 4
891712121527996917155818121013141926816651212101351568148689191159510 2
171085823522656423332524355411754135101011595184871246451414109541064 9
449567968597813259168981081081218911111211293891177109141410131210141 6
881211118169961181012111881014515119811109668111314141381314551424186 1
091411514115111581912201336153131325210935910171224139161081512108611 1
292012111381930181914101313262816111323911208151981612121311142812283 0
152381773332133822341918191197161061111166315114212258189914916191423 1
427111415261211101419913141112139141214111312913111517221518149191015 1
325211818131514169255991919122161310111871316111722813121312910121225 9
111212181314217132389161123111713912214814122217129711191552222139241 5
187111324111216131791081815151917322016241310191114762525181519292710 1
521222024131517161417172312199712610121112714178716121551810111814283 2
102212152081921211591311710610741121131516131091478871894567836334451 5
751463655555358356546491447456665878794568103584115410446651197491278 7
761211811757897587798978776413106610111214269138913182615131592521124 1
218131215174434514221675101617293337131126211916141641518161382120251 9
143913512881119162371519137152742451127199351451515202527242615423192 9
171471110614214714992061212119231022211312131811183713162433116121251 5
163028242617171461017971781415122922111514221182518203210262627111017 1
932181013101923192393291718194179138121614157251616166541639171510826 7
141712101820181591051612249991061018201619923362111152781230111327131 5
511141391815128181118232228171214211871616181418191919241519232011261 0
191117121810143110232029119111479241123391614161827101311223116198259 1
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142116121817221852931271718222016371527232412161616172225271616141830 1
923261713141118161825827252011159124612242426321619161317161226221916 1

1101722122214161516171514141323154316293136192914152323292812182333208
1016242318241111201813101316231826223214922181345132511102026279201212
3381410121017181791318361713131920353310161618211321121917161910121913
2111108122462120126132322181172312111161718411168237121071210926141277
1229283710221158714301093013515261910401419111819271720438324330411514
1511391822133620154123189102429111123131222102216211658193434611111151
1477966111891692319109918181316136124222192438871311131561682325351325
1727711141614131111921172915832381019201514131810283615102314403711191
1292616161622312071212285251712157451317161111966121014131421298916161
9373514817173542278371328394023163120222620311971891028836109282915242
0123010111811231223221321251313815916181544131612172949224416171698721
1411222512181815914248394512235927101712172231142221627152517288151423
9201411121517221910282214132719916171132101212141337717992492510139131
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2016451218714162126151910172416258253419192031252412471313162721122411
1338152823103351162631411526681914131224141334402691316241413172118152
3293042182425324524710271962433161532445015122618542411121113151425261
4141483462219371782214141118111816193633146202938141210321122294012171
6202177218112020263314111319211471522206223311012278334016603236282217
1522223013241218364820312119171171836271923161615302925202011181011201
0142029389144914121515181532224019271213248131458425417111735242014221
3188871131513193716142816294113021774314201121119202124231228922303617
1222111517151119131633920258132118307143721752540196131019212427121362
4961315231311551316129171513101211212831231891514351123111110171414341
3171520132510111124152414119918132914733132829279368321711913131420163
2615257157111331692081945523721208132017201535241871111142622272125151
5201118262618611242429914161315461311181171449272832129151417141911451
7302820151613303527391124243967432424502252927156030435416928762715835
2547256433453046407131414162739262616572522304920201712161112141725814
2412263073142215625132717651744321516141693851141129251518221117231231
4399131120249101213116173117197143234452115301410193115152717918161714
3022191812153110241114123031171817331817192513127422101012182591727113
0272610281349152910132324119231937111024171823209121315246028182018715
2778121018191288107818141017111919132312152819132039341320231225196171
1716197111210111211812871493432 44”

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