



생명체와 수학적 설계 증거

제네시스 연구소
- 양승원 -



[생명체의 수학적 질서 한글hwp강의안.pdf](#)



목차(Order)

1. 서론

2. 본론

2.1. 생명체의 아름다움과 황금비율

2.2. 생명의 수(數), 37

2.3. 신성한 서문 속에 숨겨진 생명의 수(數)

3. 결론

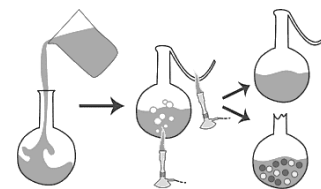
4. 참고문헌

5. 나눔을 위한 질문



서론 Introduction

자연발생설 Abiogenesis



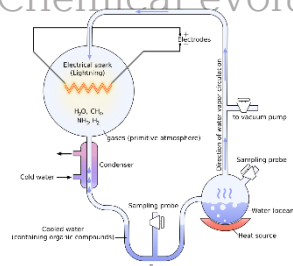
생물속생설 Biogenesis

생물정보학 Bioinformatics



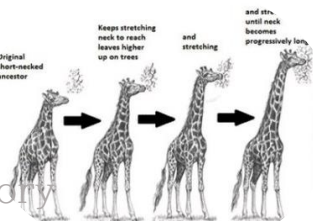
화학진화 Chemical evolution

Chemical evolution



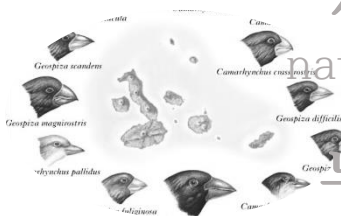
용불용설 use & disuse theory

use & disuse theory



자연선택 natural selection

natural selection



누적선택 cumulative selection

cumulative selection

진화론? Evolution theory

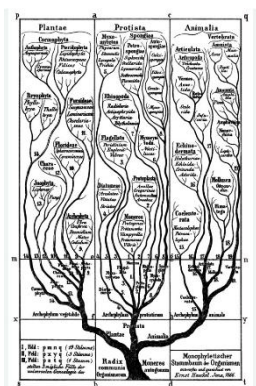
Evolution theory

생명체의 기원 Origin of Life

Origin of Life

창조론? Creationism

Creationism



진화계통나무 Evolutionary tree

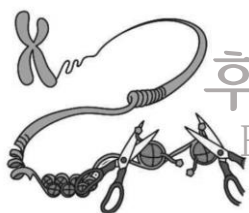
Evolutionary tree

돌연변이 mutation

mutation

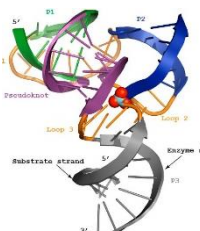


점돌연변이



후성유전학 Epigenetics

Epigenetics

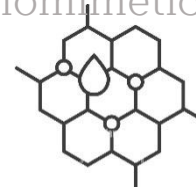


RNA세계 RNA world theory

RNA world theory

생체모방공학 Biomimetics

Biomimetics

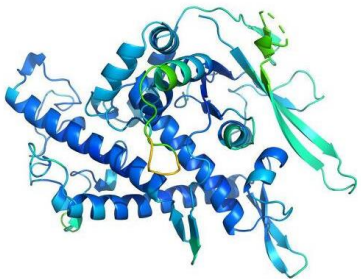


지적설계 Intelligent Design

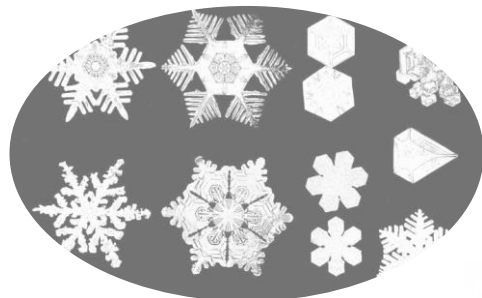
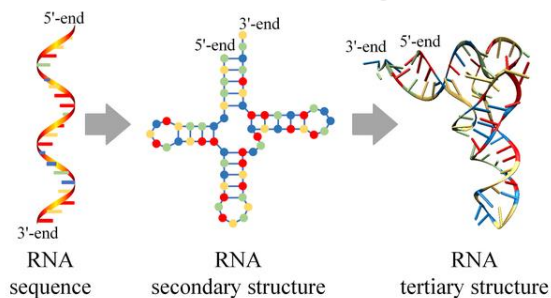
Intelligent Design

❄️ 서론 Introduction

단백질 접힘
Protein folding



RNA 접힘
RNA folding



기하학 구조
Geometric structure

진화론?
Evolution theory



나노물질조립
Self assembly

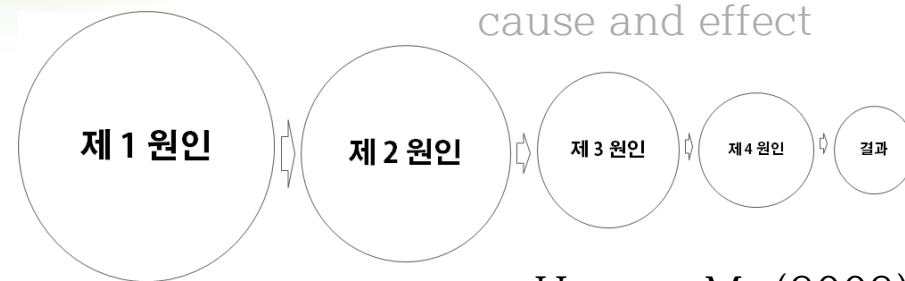
규칙, 법칙-진화의 도구?

Denton, M. J. (2003)

생명체의 기원 Origin of Life

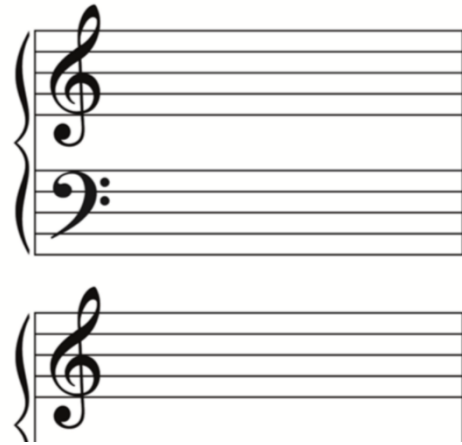
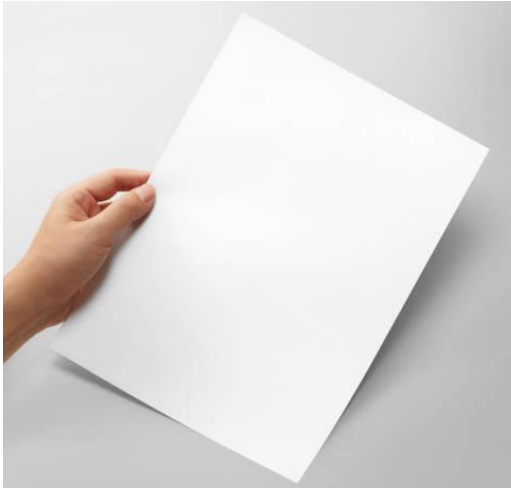
창조론? Creationism

인과율법칙
cause and effect

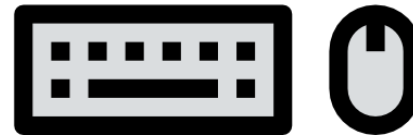
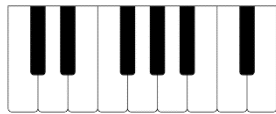


Henry, M. (2002)

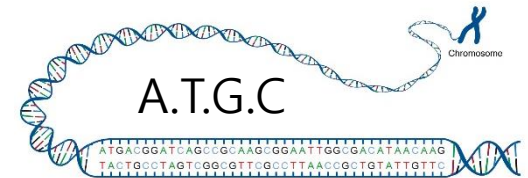
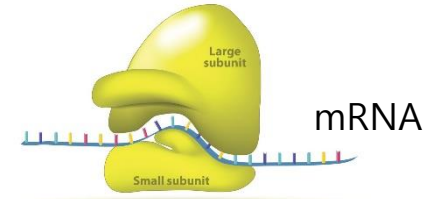
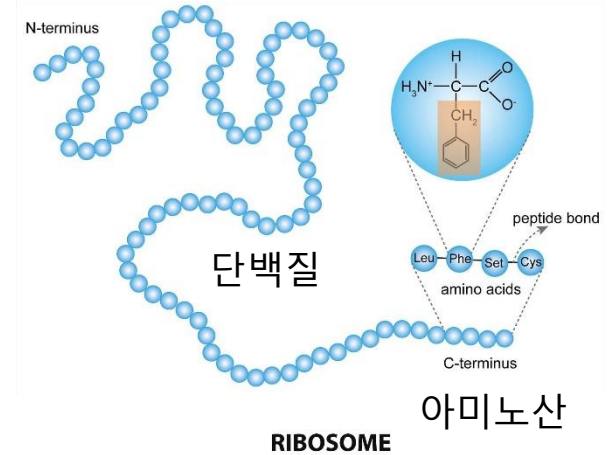
생명체의 설계 증거?...



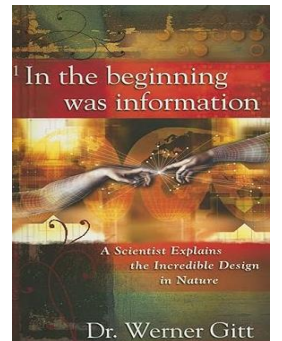
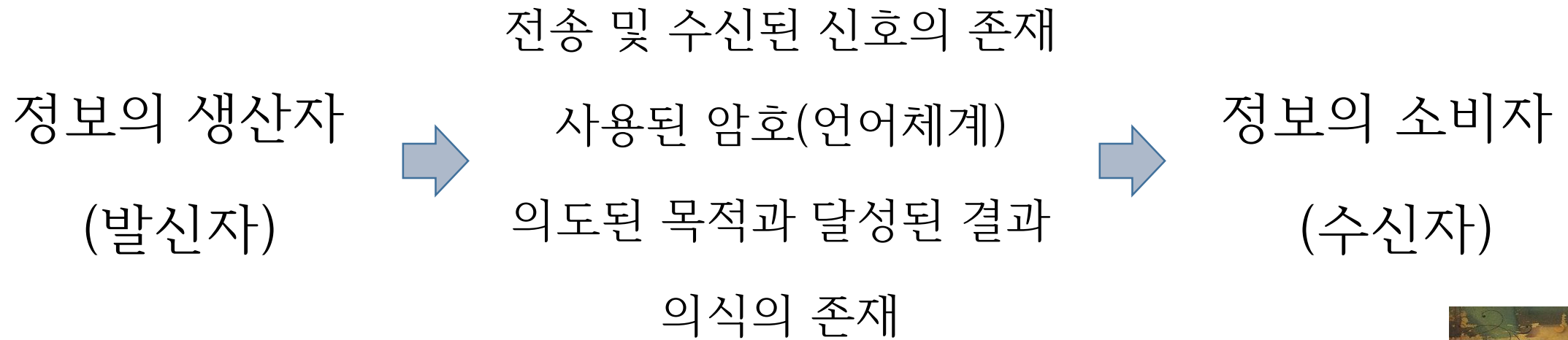
A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z



0100011101000110
1000111101011011
0001000010001000



정보이론



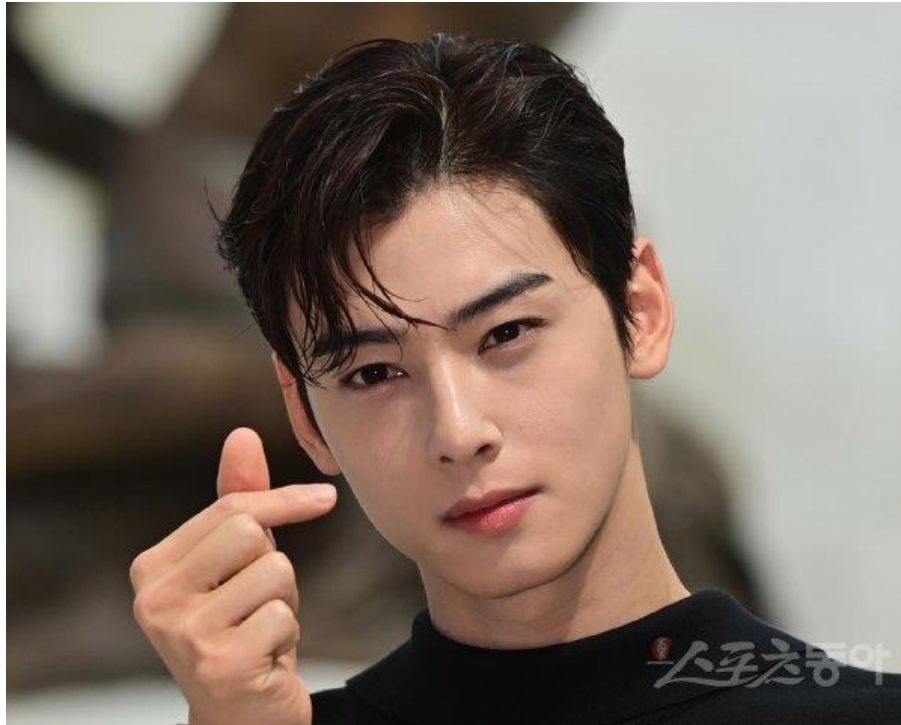
Gitt, W. (2006). In the beginning was information.



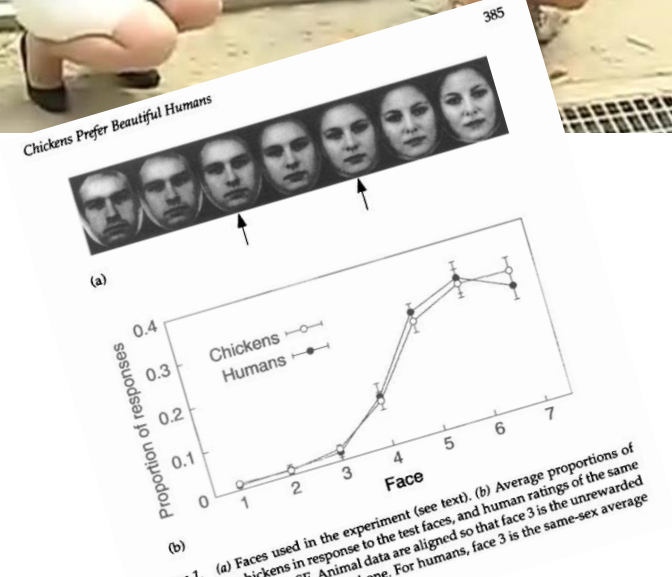
본론1 Body1

생명체의 아름다움(美)은
어디에서 오는가?

생명체의 아름다움(美)과 황금비

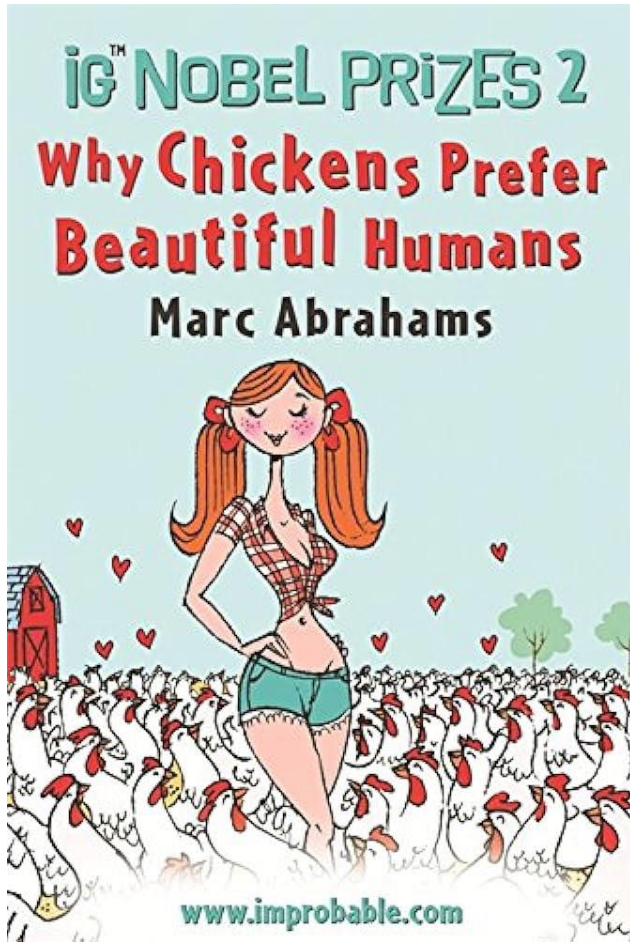


동물들도 선호하는 외모가 있다?



Ghirlanda, S., Jansson, L., & Enquist, M. (2002). Chickens prefer beautiful humans. *Human Nature*, 13, 383-389.

닭도 아름다운 인간을 더 좋아한다



SPRINGER LINK

Find a journal Publish with us Search

Home > Human Nature > Article

Chickens prefer beautiful humans

Published: September 2002 | 13, 383–389 (2002)

Stefano Ghirlanda ✉, Liselotte Jansson & Magnus Enquist

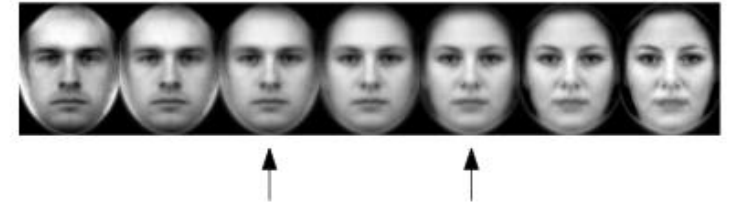
3389 Accesses 26 Citations 274 Altmetric 8 Mentions Explore all metrics →

Cite this article

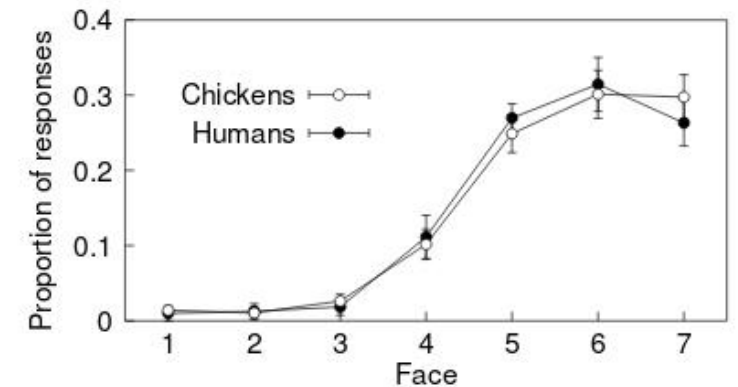
Abstract

We trained chickens to react to an average human female face but not to an average male face (or vice versa). In a subsequent test, the animals showed preferences for faces consistent with human sexual preferences (obtained from university students). This suggests that human preferences arise from general properties of nervous systems, rather

a



b



Ghirlanda, S., Jansson, L., & Enquist, M. (2002). Chickens prefer beautiful humans. *Human Nature*, 13, 383-389.

Ghirlanda et al (2002)

어떤 얼굴이 더 매력적인가?

British Journal of Psychology (2000), 91, 125–140 Printed in Great Britain
© 2000 The British Psychological Society

125

Sex-typicality and attractiveness: Are supermale and superfemale faces super-attractive?

Gillian Rhodes*

University of Western Australia and University of Canterbury, New Zealand

Catherine Hickford

University of Canterbury, New Zealand

Linda Jeffery

University of Western Australia, Australia

Many animals find extreme versions of secondary sexual characteristics attractive, and such preferences can enhance reproductive success (Andersson, 1994). We hypothesized, therefore, that extreme versions of sex-typical traits may be attractive in human faces. We created supermale and superfemale faces by exaggerating all spatial differences between an average male and an average female face. In Expt 1 the male average was preferred to a supermale (50% exaggeration of differences from the female average). There was no clear preference for the female average or the superfemale (50% exaggeration). In Expt 2, participants chose the most attractive face from sets of images containing feminized as well as masculinized images for each sex, and spanning a wider range of exaggeration levels than in Expt 1. Chinese sets were also shown, to see whether similar preferences would occur for a less familiar race (participants were Caucasian). The most attractive female image was significantly feminized for faces of both races. However, the most attractive male image for both races was also significantly feminized. These results indicate that feminization, rather than sex exaggeration *per se*, is attractive in human faces, and they corroborate similar findings by Perrett *et al.* (1998).

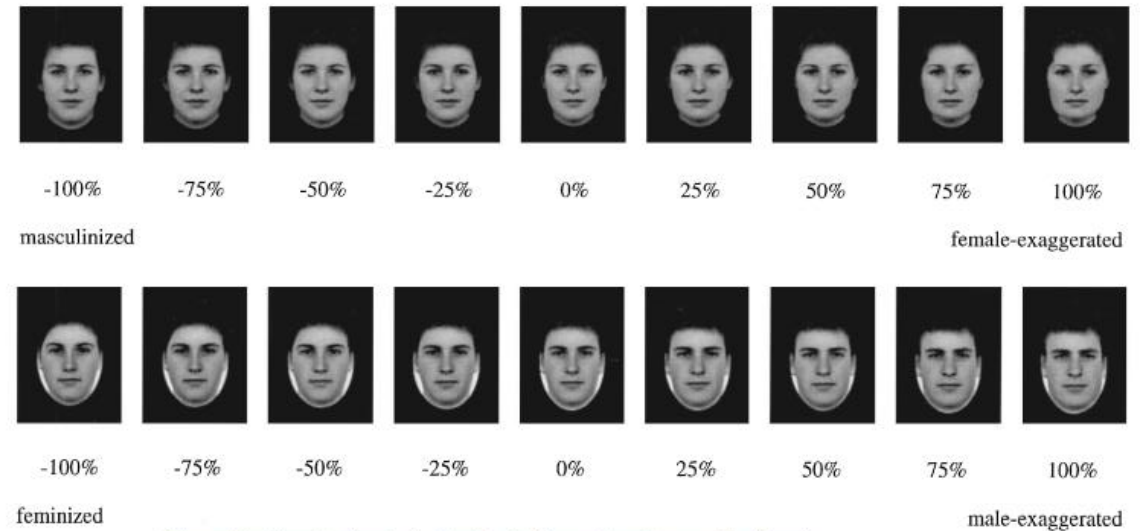
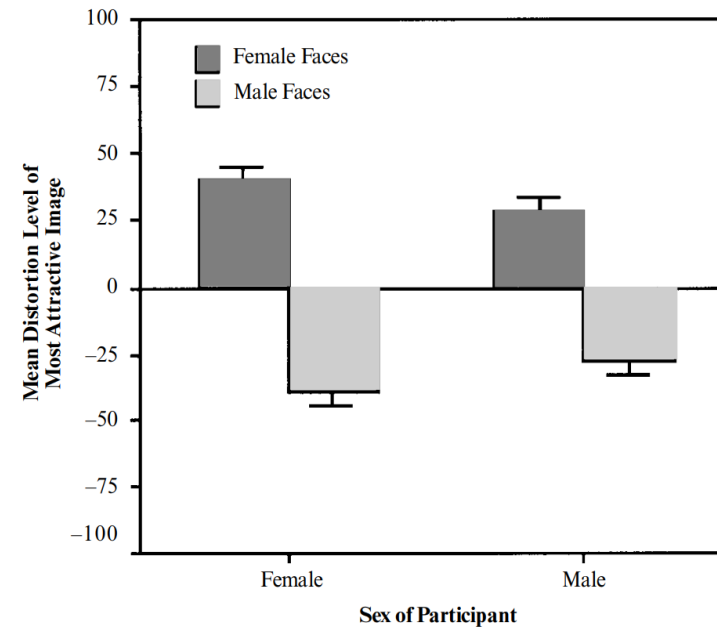


Figure 2 A. Caucasian female (top) and male (bottom) continua used in Expt 2.



Gillian et al (2000)



본론1 Body1

아름다움(美)이란?

안정감

조화

만족

쾌감

선호

아름다움(美)이란?

황금비

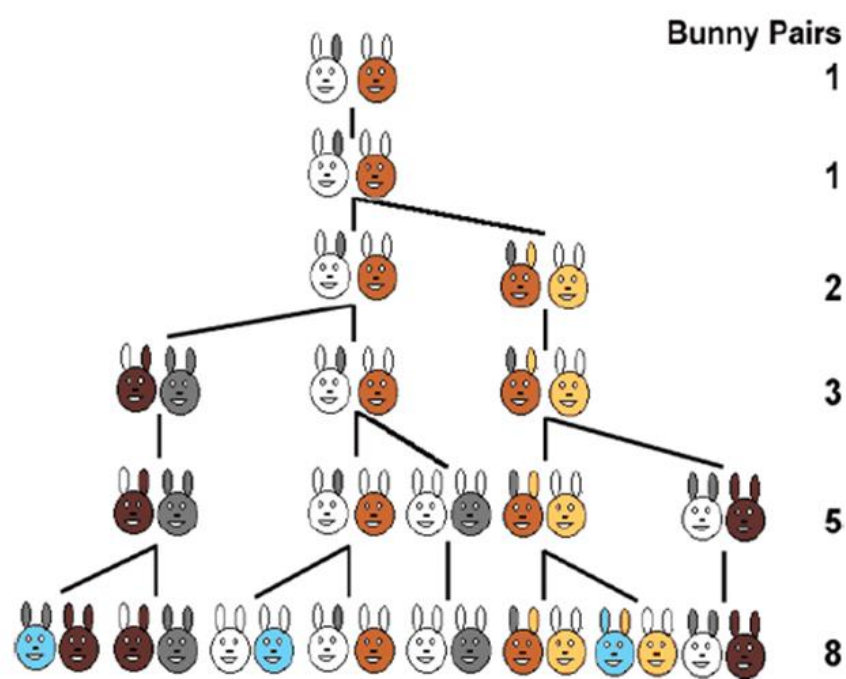
매력

질서

생명

균형

피보나치 수열과 황금비



Month	Baby Rabbit	Mature Rabbit	Total
January 1	1	0	1
February 1	0	1	1
March 1	1	1	2
April 1	1	2	3
May 1	2	3	5
June 1	3	5	8
July 1	5	8	13
August 1	8	13	21
September 1	13	21	34
October 1	21	34	55
November 1	34	55	89
December 1	55	89	144

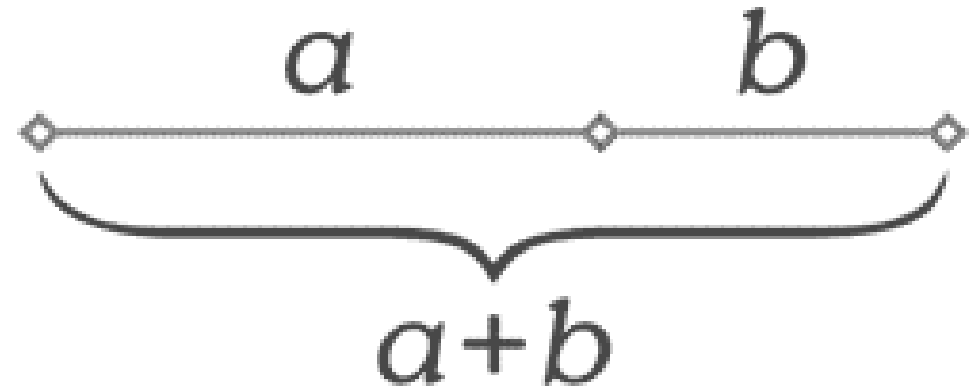
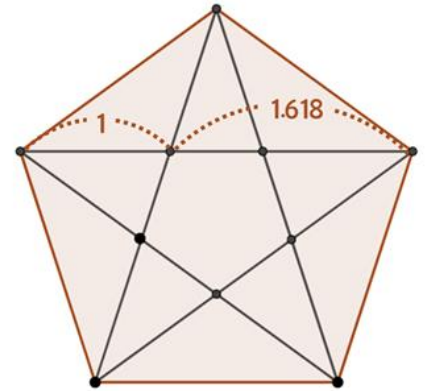
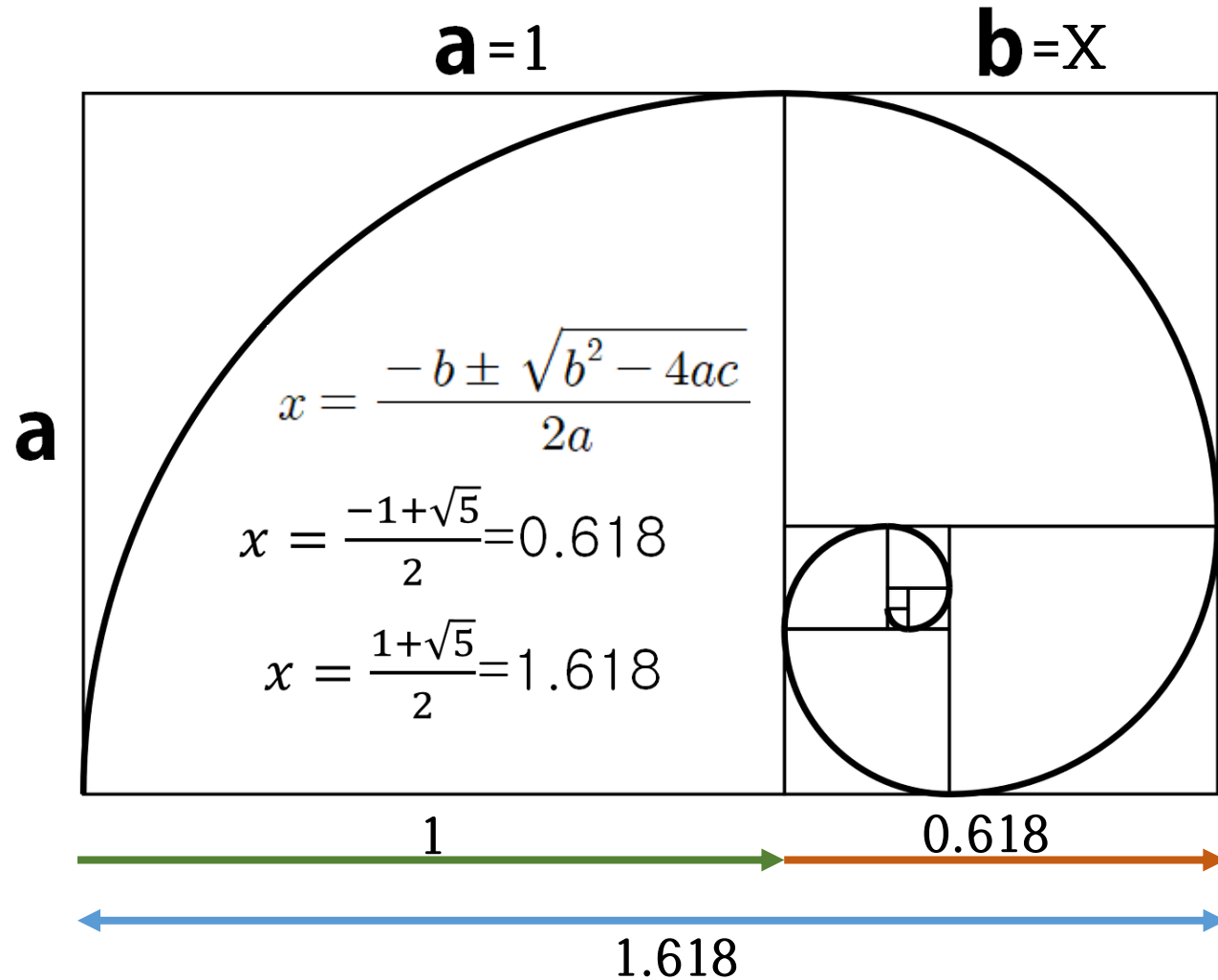
피보나치 수열: 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144...

비율a: $1/2, 1/3, 2/5, 3/8, 5/13...$ = 0.382

비율b: $1/1, 1/2, 2/3, 3/5, 5/8, 8/13...$ = 0.618

비율c: $2/1, 3/2, 5/3, 8/5, 13/8 \dots$ = 1.618 -> 황금비율

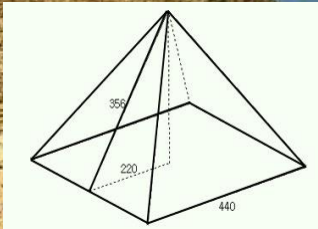
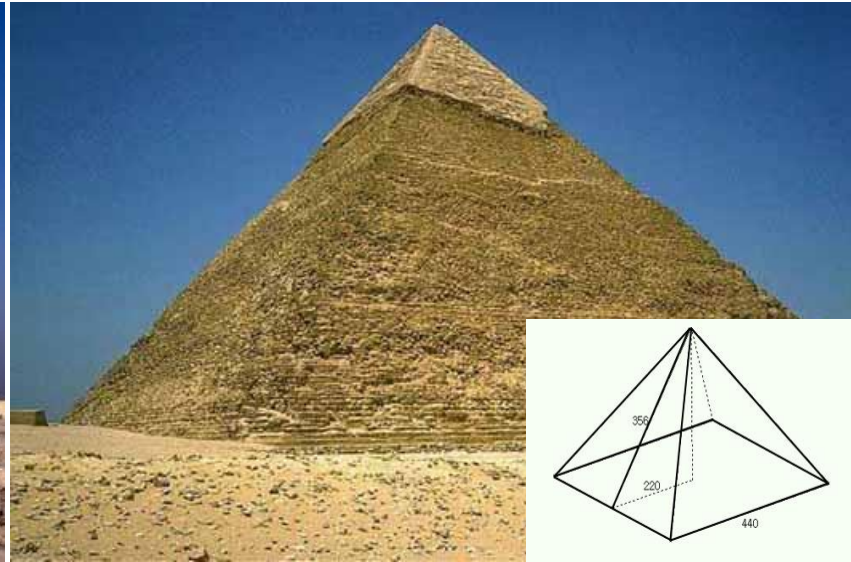
황금비 구하는 방법



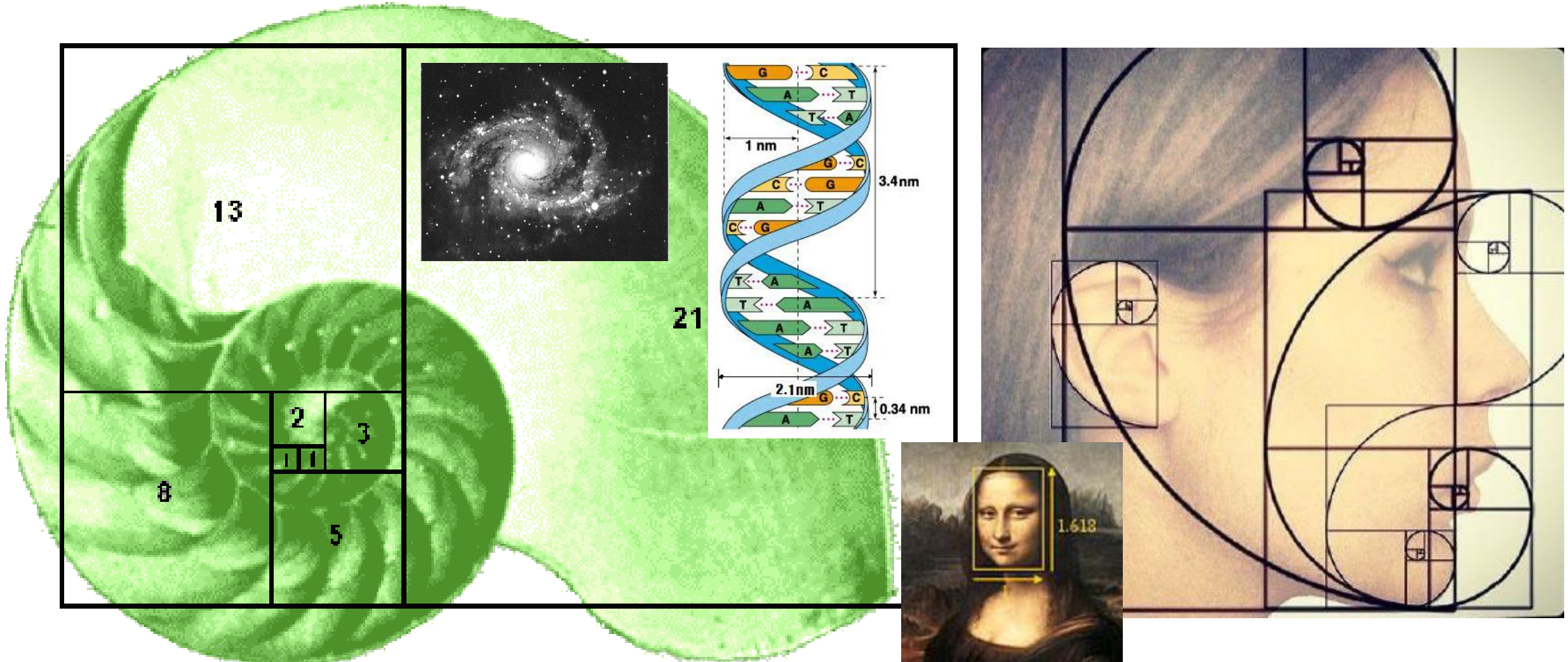
$$a : a+b = b : a$$

$$1 : 1+x = x : 1 \quad \Rightarrow \quad x^2 + x - 1 = 0$$

황금비율-안정감



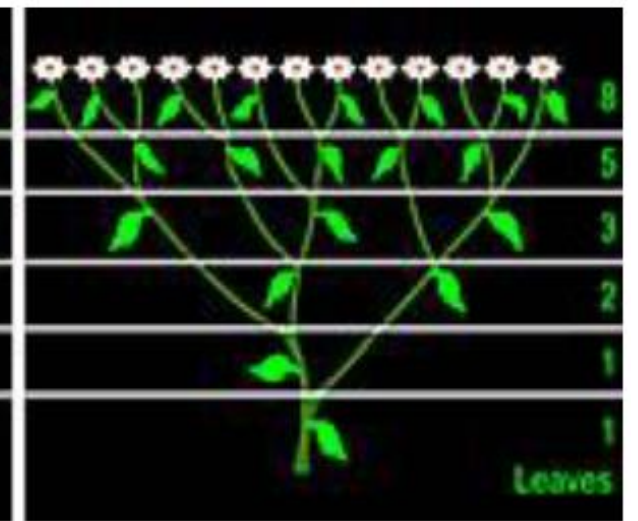
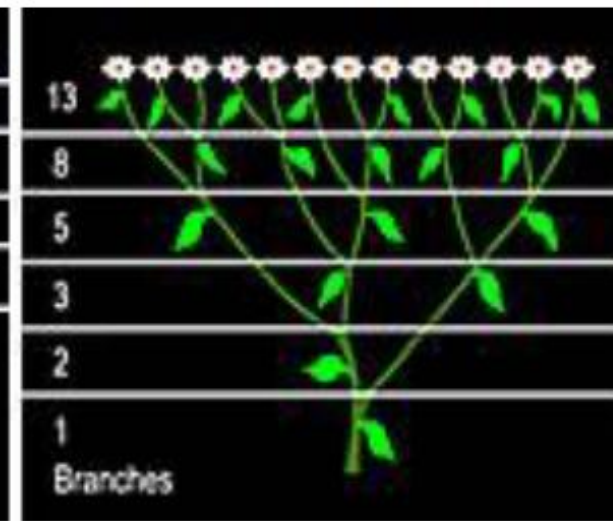
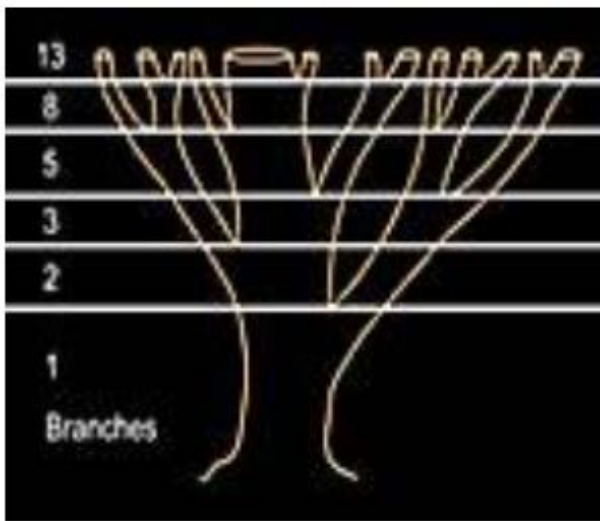
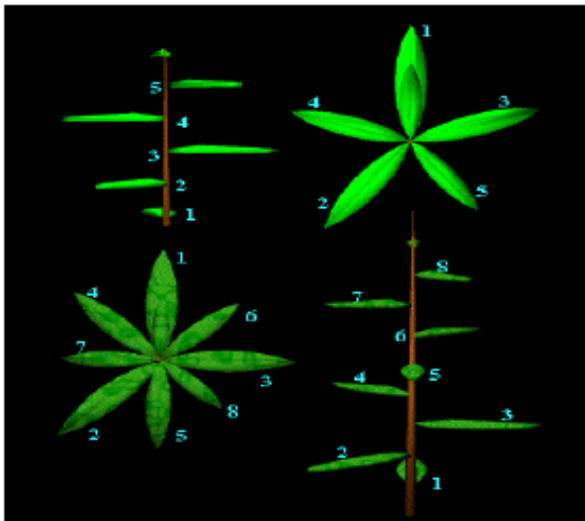
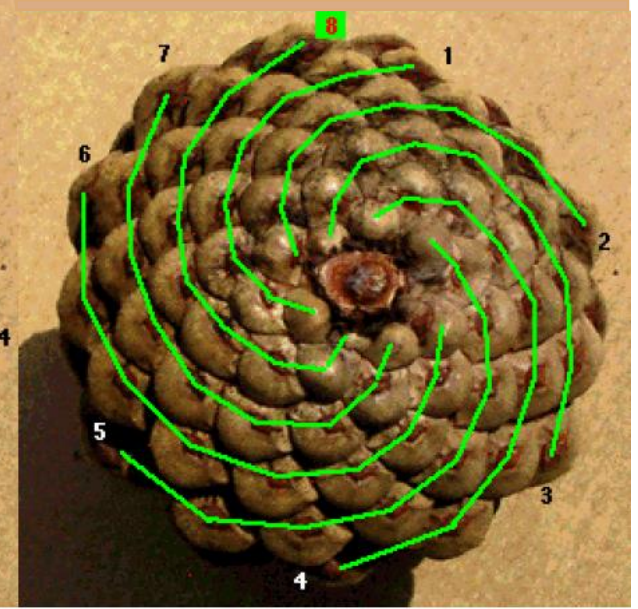
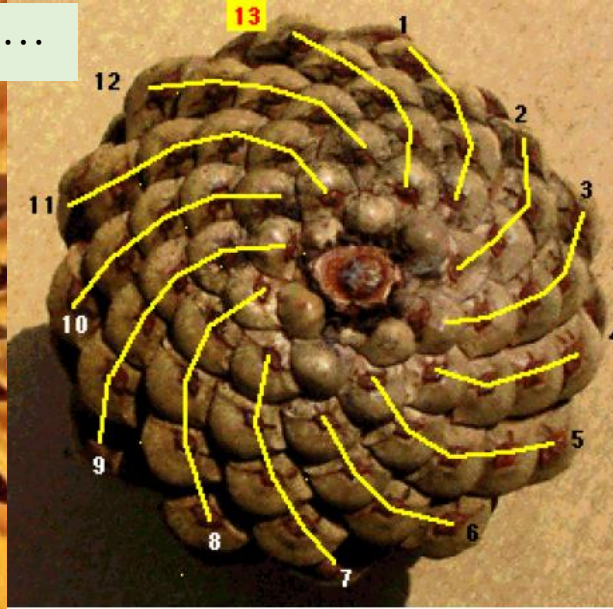
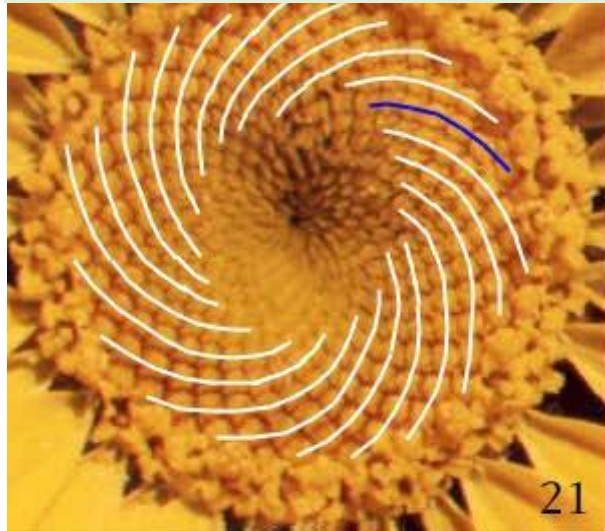
생명체 나타난 황금비



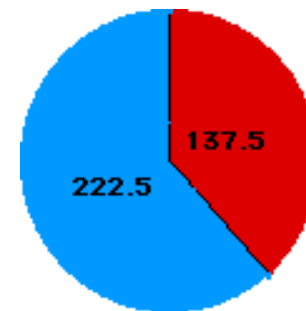
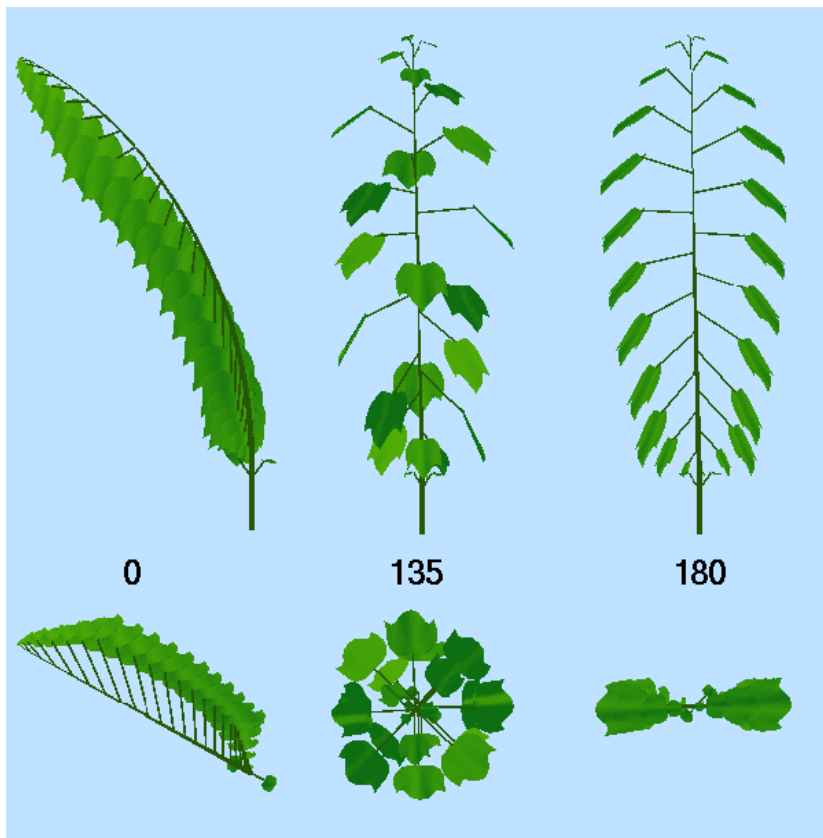
피보나치 수열: 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144...

생명체 나타난 황금비

피보나치 수열: 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144...



생명체 나타난 황금비



0.618034를 각도로 나타내면
 시계반대방향 $0.618034 \times 360 = 222.92$
 시계방향 각 $137.0776 (360 - 222.92)$

$$222.5 \div 137.5 = 1.618 \dots$$

행성 공전주기 및 식물의 나선잎 정렬과 피보나치 수와의 관계

	관측치(일)	이론치	비율	식물
명왕성	90,000		(2:3 해왕성)	
해왕성	60,193	62,000		
천왕성	30,688	31,000	1:2	느릅나무
토성	10,670	10,333	1:3	너도밤나무
목성	4,332	4,133	2:5	살구
소행성들	1200~2000	1,550	3:8	배
화성	687	596	5:13	아몬드
지구	365	366(8:13)	8:21	
금성	225	277(13:21)	8:21	소나무
수성	88	87	13:34	소나무

안정감

조화

만족

쾌감

선호

아름다움(美)이란?

황금비

매력

질서

생명

균형

안정감

조화

만족

쾌감

선호

어떻게? 아름다움(美)

황금비

매력

질서

생명

균형

안정감

조화

만족

쾌감

선호

왜? 아름다움(美)

황금비

매력

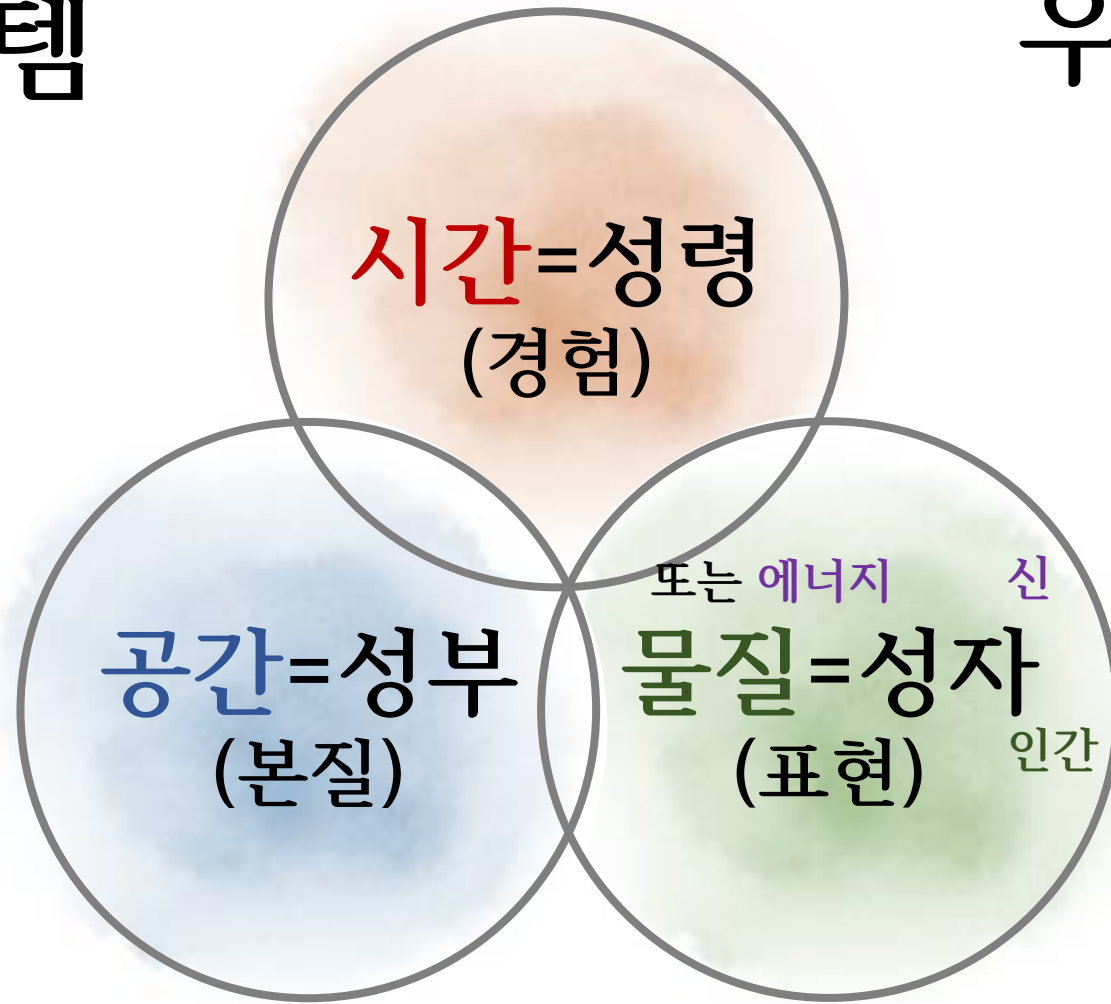
질서

생명

균형

우주의 시스템

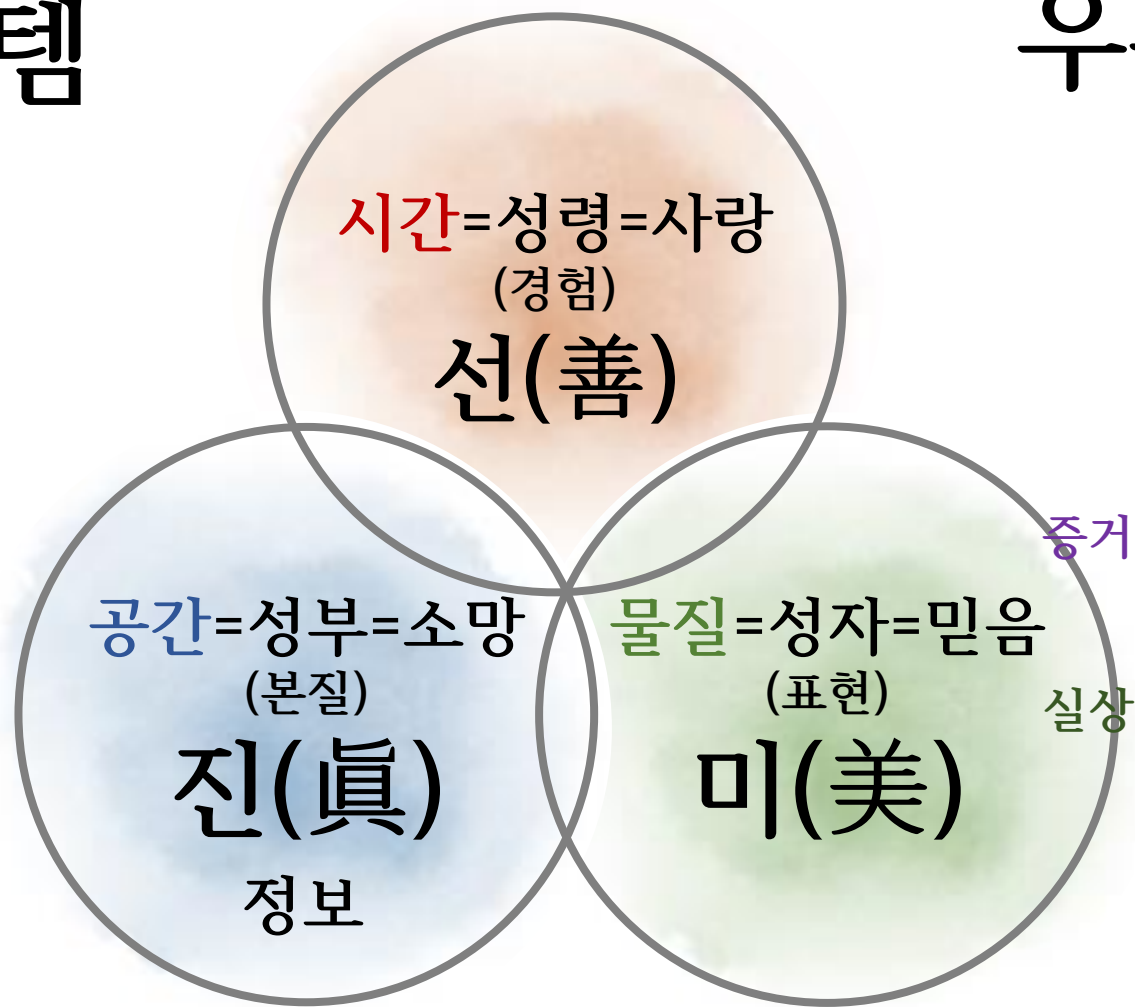
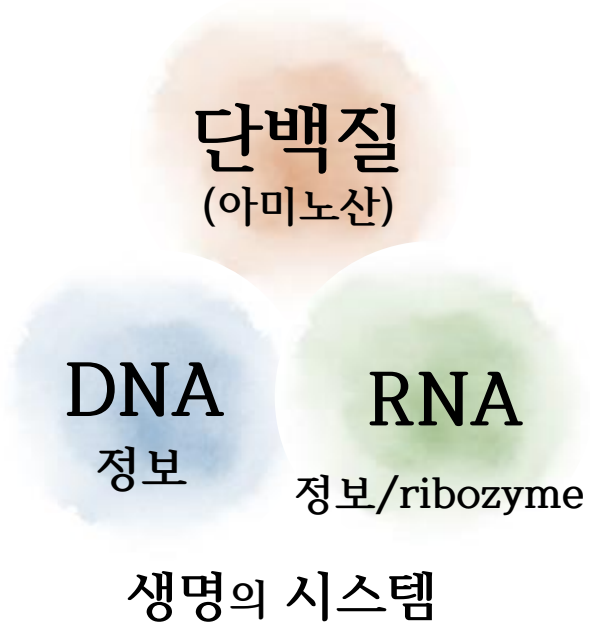
우주의 설계자



우주의 삼 요소 vs 삼위일체 하나님 vs 질서와 조화

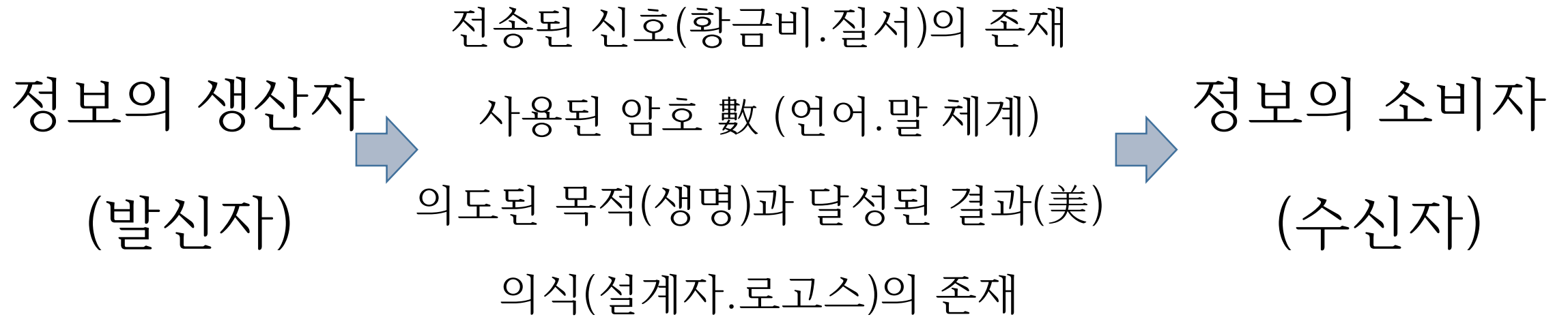
우주의 시스템

우주의 설계자



우주의 삼 요소 vs 삼위일체 vs 진선미 vs 질서와 조화

정보이론과 아름다움(美)의 본체?

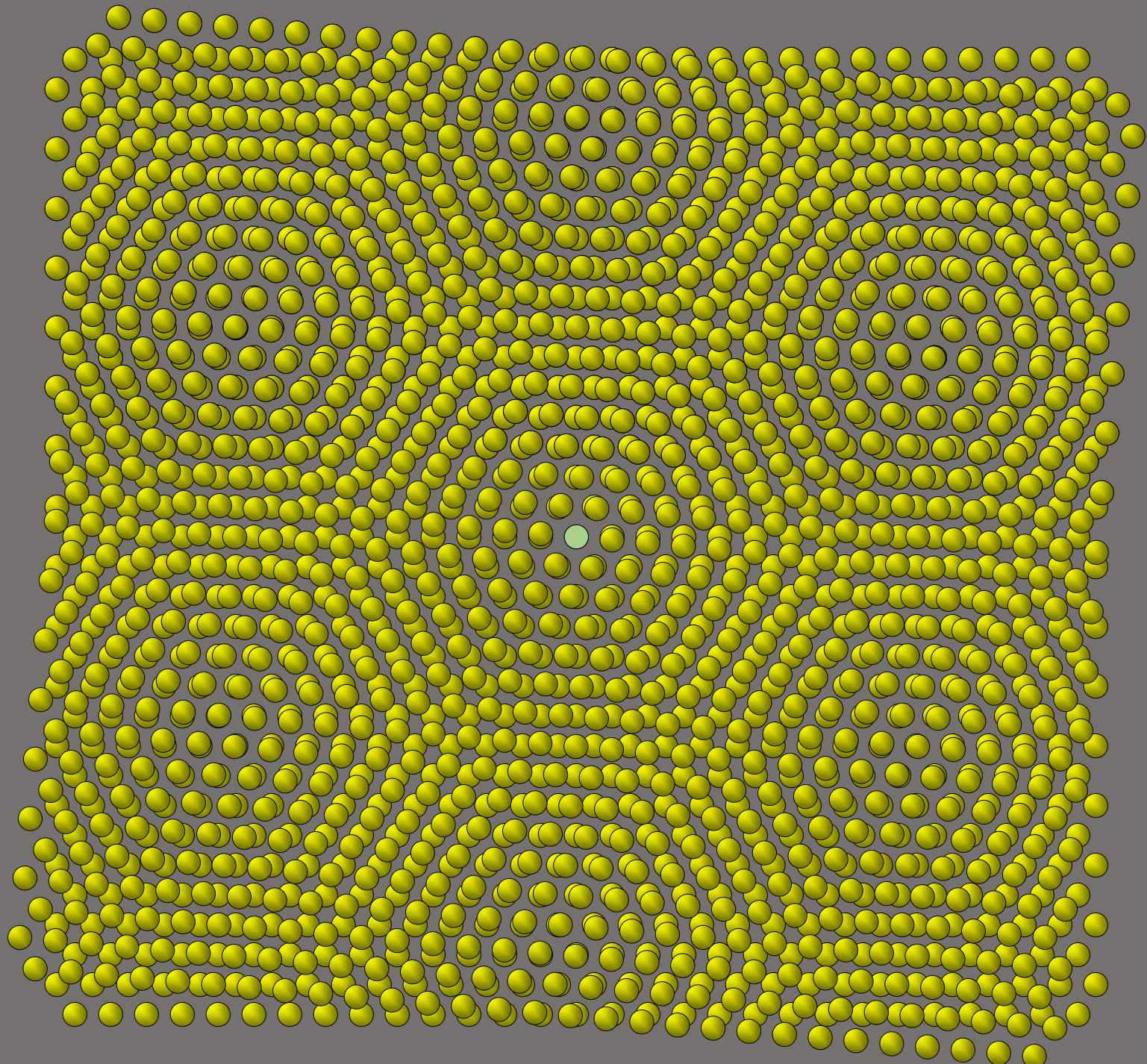




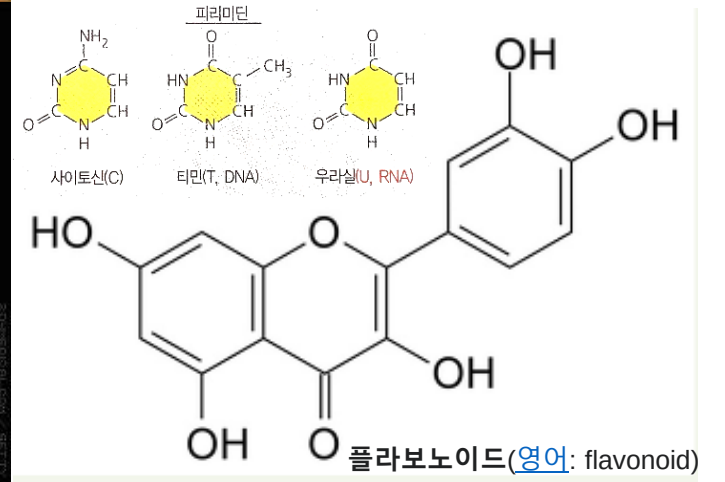
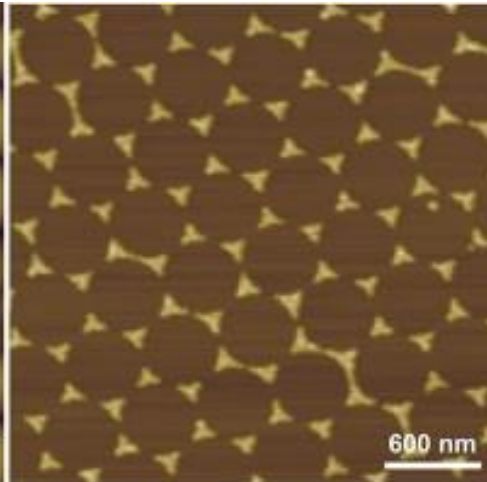
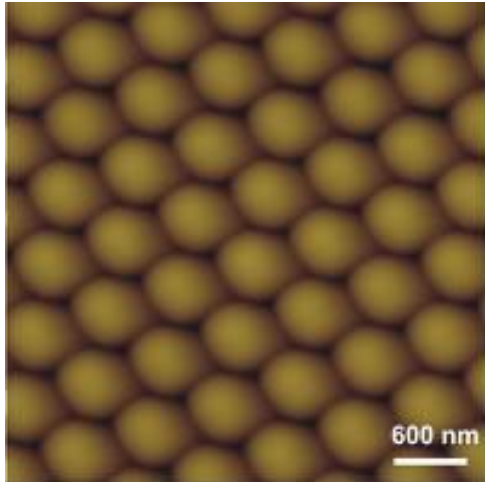
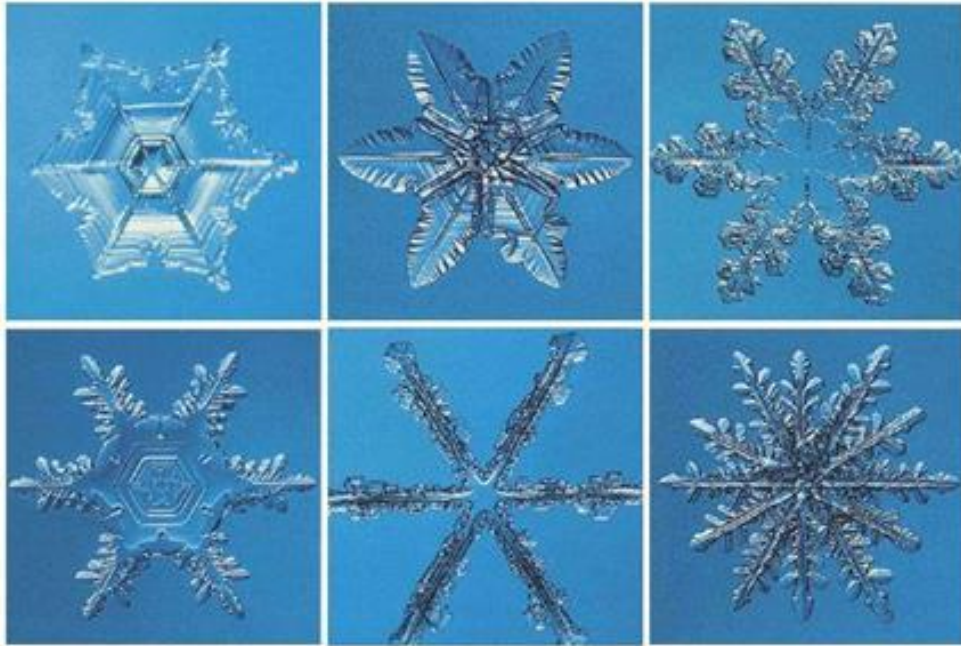
본론2 Body2

생명체에 나타나는 수학적 질서
에는 무엇이 있을까?

기하학적 구조와 생명체의 수(數)



육각형(육각별)과 생명체



0 1 2 3 4
5 6 7 8 9



생명체의 수(數)? 기하학?



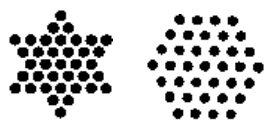
3-균형: 삼원색



6-불완전: 피조세계



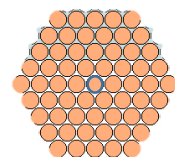
7-완전: 분류, 생식주기



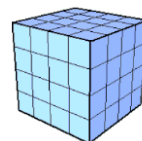
37-생명체 체온, 배란

Ἀδάμ
1+4+1+40

46-염색체 수(數)



61-아미노산 매칭 유전암호



64-3자리 유전암호 가지 수



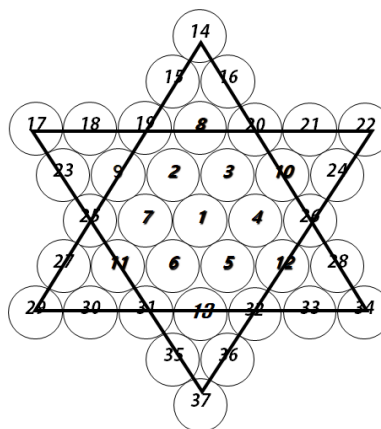
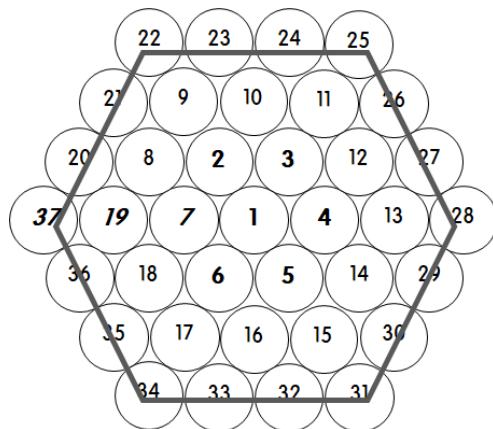
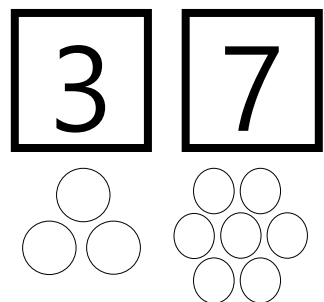
73-보온, 합성, 프롤린

74-아미노산 블록 질량수

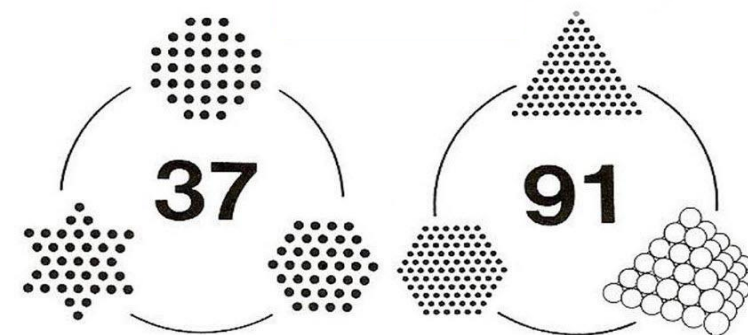
* 육각별 수(數) 식: $6n^2 - 6n + 1$, 1, 13, 37, 73, 121...

** 육각형 수(數) 식: $3n^2 - 3n + 1$, 1, 7, 19, 37, 61, 91...

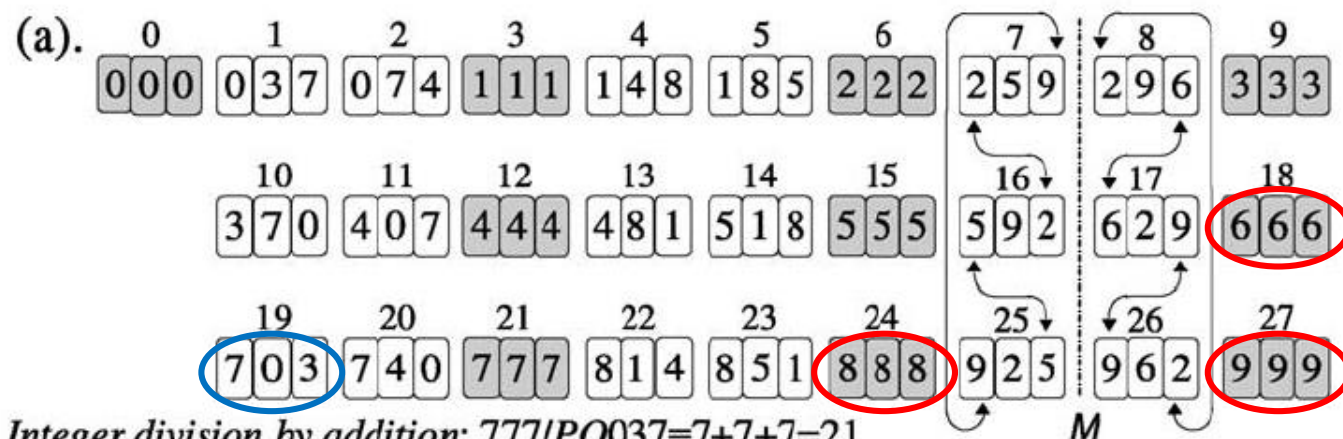
37은 육각형과 육각별 모두 표현가능한 수



삼형수: 3가지 도형으로 표현



Vernon et al (1993)



37의 배수들과 반복되는 수:
111, 222, 333...999

shcherbak, V. I. (2003)

유전암호(64)와 아미노산(20)

		DNA				RNA								
		SECOND BASE												
		T	C	A	G			U	C	A	G			
FIRST BASE	T	TTT Phe TTC Phe TTA Leu TTG Leu	TCT Ser TCC Ser TCA Ser TCG Ser	TAT Tyr TAC Tyr TAA Stop TAG Stop	TGT Cys TGC Cys TGA Stop TGG Trp	T C A G	U	UUU Phe UUC Phe UUA Leu UUG Leu	UCU Ser UCC Ser UCA Ser UCG Ser	UAU Tyr UAC Tyr UAA Stop UAG Stop	UGU Cys UGC Cys UGA Stop UGG Trp	U C A G		
	C	CTT Leu CTC Leu CTA Leu CTG Leu	CCT Pro CCC Pro CCA Pro CCG Pro	CAT His CAC His CAA Gln CAG Gln	CGT Arg CGC Arg CGA Arg CGG Arg	T C A G		C	CUU Leu CUC Leu CUA Leu CUG Leu	CCU Pro CCC Pro CCA Pro CCG Pro	CAU His CAC His CAA Gln CAG Gln	CGU Arg CGC Arg CGA Arg CGG Arg	U C A G	
	A	ATT Ile ATC Ile ATA Ile ATG Met	ACT Thr ACC Thr ACA Thr ACG Thr	AAT Asn AAC Asn AAA Lys AAG Lys	AGT Ser AGC Ser AGA Arg AGG Arg	T C A G			A	AUU Ile AUC Ile AUA Ile AUG Met	ACU Thr ACC Thr ACA Thr ACG Thr	AAU Asn AAC Asn AAA Lys AAG Lys	AGU Ser AGC Ser AGA Arg AGG Arg	U C A G
	G	GTT Val GTC Val GTA Val GTG Val	GCT Ala GCC Ala GCA Ala GCG Ala	GAT Asp GAC Asp GAA Glu GAG Glu	GGT Gly GGC Gly GGA Gly GGG Gly	T C A G				G	GUU Val GUC Val GUA Val GUG Val	GCU Ala GCC Ala GCA Ala GCG Ala	GAU Asp GAC Asp GAA Glu GAG Glu	GGU Gly GGC Gly GGA Gly GGG Gly

Amino Acid		
Name	Abb'n	
Alanine	Ala	A
Arginine	Arg	R
Asparagine	Asn	N
Aspartic acid	Asp	D
Cysteine	Cys	C
Glutamic acid	Glu	E
Glutamine	Gln	Q
Glycine	Gly	G
Histidine	His	H
Isoleucine	Ile	I
Leucine	Leu	L
Lysine	Lys	K
Methionine	Met	M
Phenylalanine	Phe	F
Proline	Pro	P
Serine	Ser	S
Threonine	Thr	T
Tryptophan	Trp	W
Tyrosine	Tyr	Y
Valine	Val	V

Universal genetic code
 TCAG ($4^3=64$)
 →

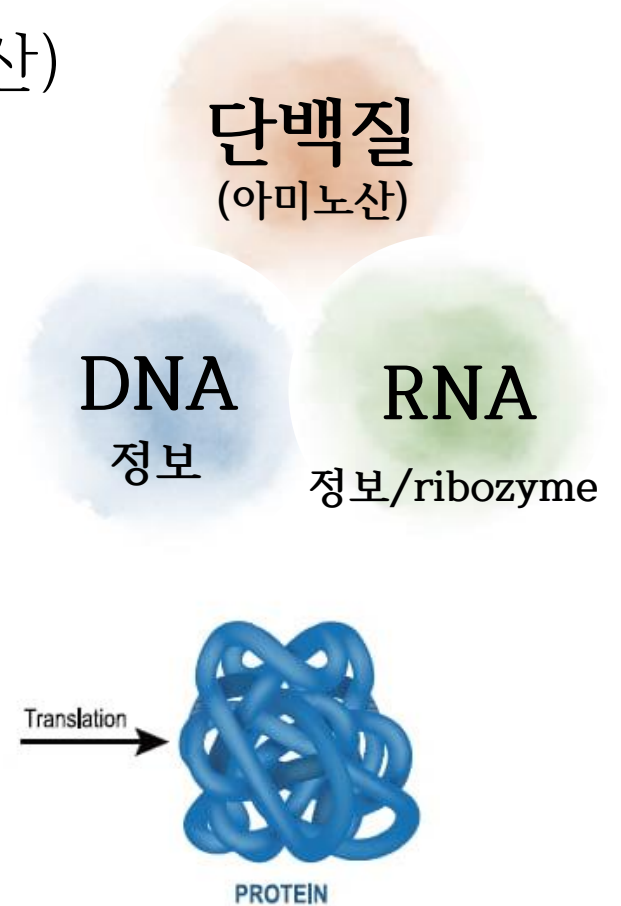
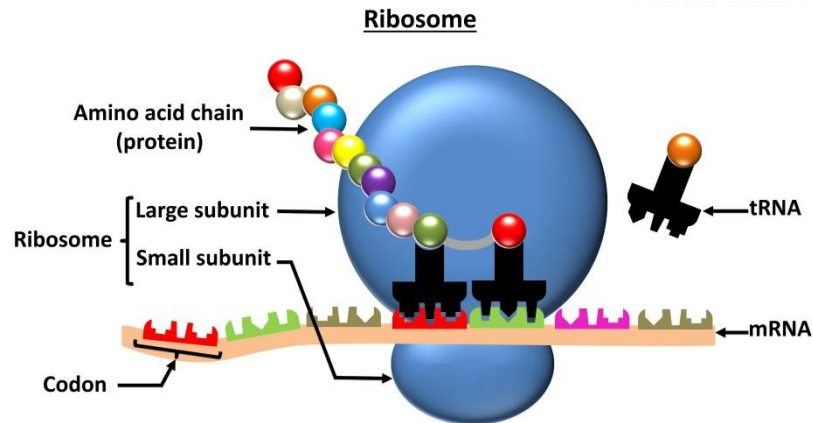
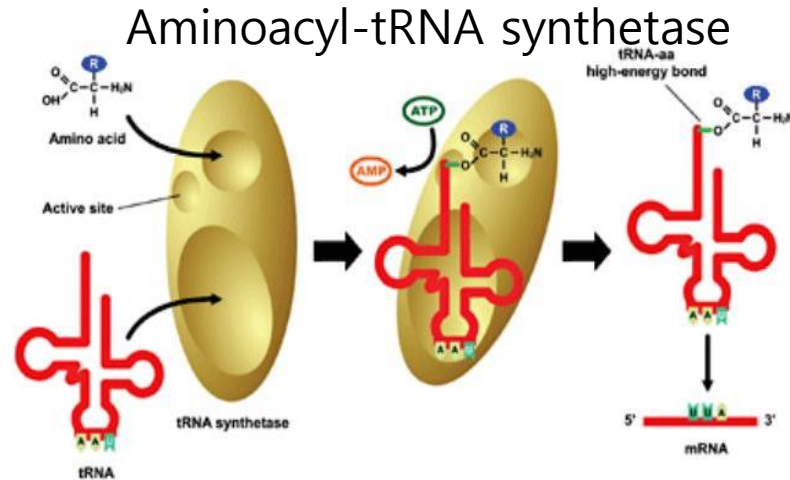
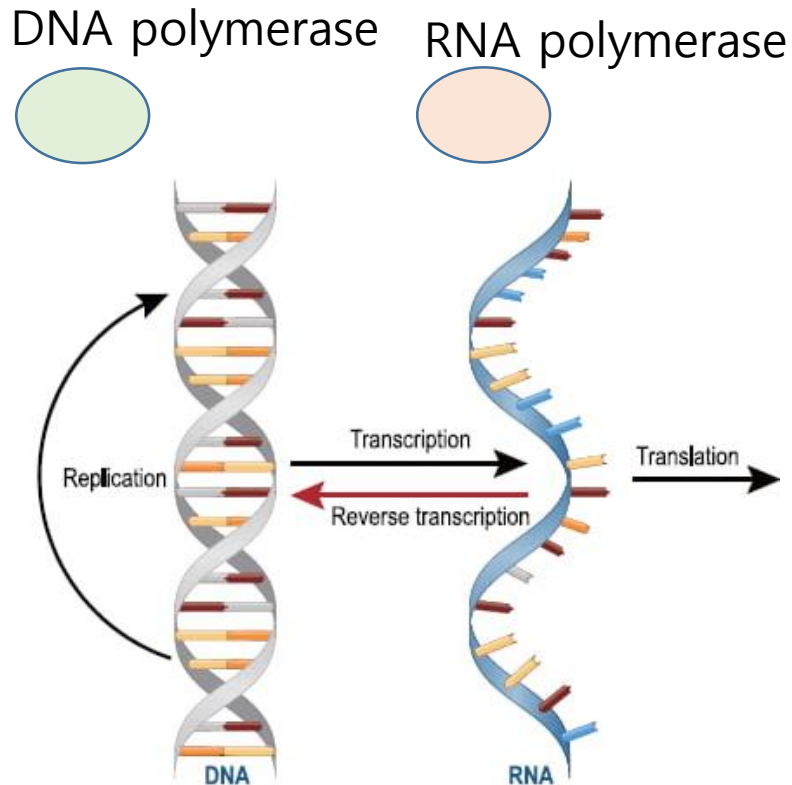
생명의 시스템

누가 조율하는가?

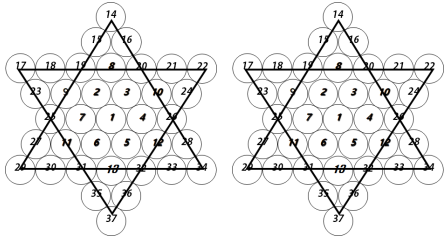


중심원리-Central Dogma

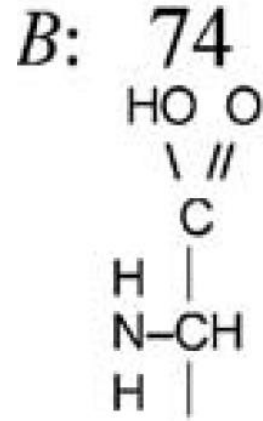
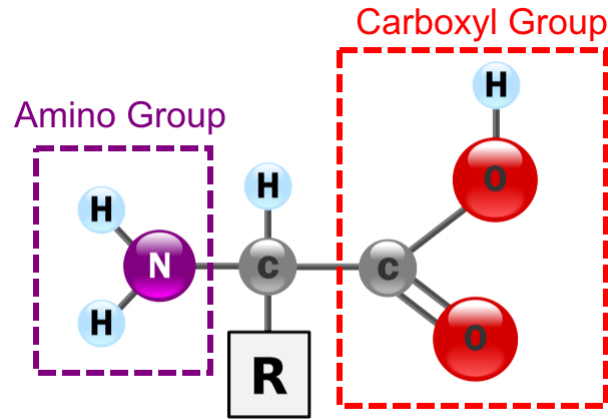
DNA → RNA → 단백질(아미노산)



아미노산 질량수: 74



$$74 = 37 \times 2$$



아미노산

R



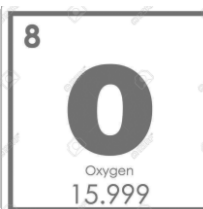
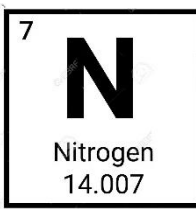
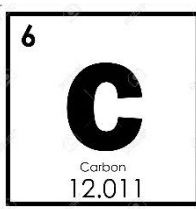
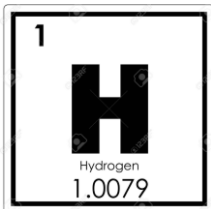
R: 측쇄

B: 블록

B: 74 (H₂2+N14+C12+H1+C12+O₂32+H1)

중성자수	양성자수	핵자수
35	39	74
5*7	3*13	2*37

질량수
4
2
원자번호



Element		Nucleons		
Name	Symbol	Protons	Neutrons	Total
Hydrogen	H	1	0	1
Carbon	C	6	6	12
Nitrogen	N	7	7	14
Oxygen	O	8	8	16
Sulphur	S	16	16	32

Element	Approx Atomic Mass of most common isotope	Atomic Mass natural isotope mixture
H	1	1.008
C	12	12.011
N	14	14.007
O	16	15.999
S	32	32.066

Rakočević, M. M. (2004)



Available online at www.sciencedirect.com

SCIENCE @ DIRECT®

Journal of Theoretical Biology 229 (2004) 221–234

Journal of
Theoretical
Biology

www.elsevier.com/locate/jtbi

A harmonic structure of the genetic code

Miloje M. Rakočević

Department of Chemistry, Faculty of Science, University of Niš, Čirila i Metodija 2, Serbia & Montenegro, Yugoslavia

Received 7 October 2003; received in revised form 19 March 2004; accepted 26 March 2004

Abstract

In this paper is presented a new, very harmonic structure of the genetic code (GC) within a system of “4 × 5” (and/or of “5 × 4”) of amino acids (AAs) in two variants. In first variant, the five rows within the system start with one polar charged amino acid (AA) each, making first column, consisting from five polar charged AAs (D, R, K, H, E). Five polar non-charged AAs (N, P, Y, W, Q) follow, then five non-polar AAs as last column (A, L, F, V, I) and, finally, five polar or non-polar AAs, in a combination, as first to last column (A as non-polar; S, T as polar, and G, P as ambivalent AAs). A second variant is subsequent to this one—“4 × 5” system with five nitrogen AAs (K, R, P, H, W), five oxygen (D, E, Y, S, T), five solely carbon (A, L, F, V, I) and five “combined” AAs (G with hydrogen as side chain; C and M with carbon and sulfur; N and Q with carbon, oxygen and nitrogen). A strict balance of atom and nucleon number as well as molecule mass follows the classification in both system variants.

© 2004 Elsevier Ltd. All rights reserved.

Keywords: Genetic code; Siemion-Siemion's rule; Davidov's rule; Damjanović's spiral model; Atom-number; Nucleon number; System theory

1. Introduction

In a previous paper (Rakočević, 1998a), we presented a system of “2 × 10” (10 pairs) of canonical amino acids (AAs), with firmly determined positions in pairs, within two classes, handled by class I and class II of enzymes aminoacyl-tRNA synthetases (Fig. 1, in relation to Fig. 2). However, in this paper we will present a system of “4 × 5” (four quintets and five quartets at the same time) of AAs, with characteristics of a harmonic structure, “hidden” i.e. integrated within the system of “2 × 10” (Table 1). The system is being generated in

Starting from aspartic polar charged AAs linear and continual AAs are being added. Finally, the cycle is broken derivatives to their stand within the system of D-E within step pair D-N remains in in the last row. This way, the first and second column within the system of “4 × 5” are being realized, shown in Table 1. Finally, step (3) presents the manner on which

D-R-K-H-E
N-F-Y-W-Q
A-P-T-S-G
L-I-M-C-V

shcherbak, V. I. (2003)



Available online at www.sciencedirect.com

SCIENCE @ DIRECT®

BioSystems 70 (2003) 187–209



www.elsevier.com/locate/biosystems

Arithmetic inside the universal genetic code

Vladimir I. shCherbak

Department of Applied Mathematics, al-Faraby Kazakh National University, 71 al-Faraby Avenue, Almaty 480078, Kazakhstan, CIS

Received 28 October 2001; received in revised form 23 April 2002; accepted 10 December 2002

Abstract

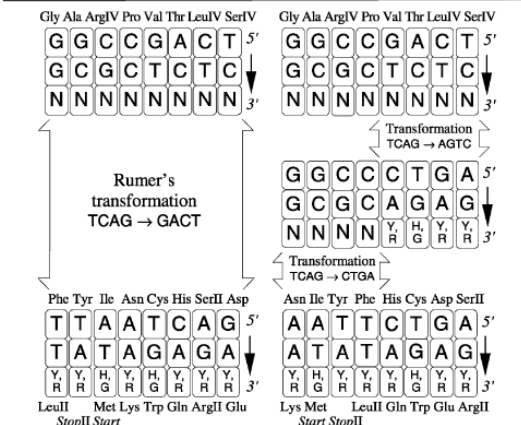
The first information system emerged on the earth as prime appearance of arithmetic power in such a linguistic milieu is systems of extremely high efficiency. In this case, the arithmetic code. A number is the fundamental arithmetic symbol produced inside the genetic code, it would be natural to expect control, safety, and precise alteration of the genetic texts. The suitable for embodiments of digits. These assumptions were

The compressed, life-size, and split representation of the E considered simultaneously. An exact equilibration of the nucleic acid was found repeatedly within specified sets of the genetic code. In decimal representation, the unique form 111, 222, ..., 999. This criterion could simplify some computing mechanism of a cell in symmetry of the genetic code demonstrates that possibly a zero the genetic code could be explained by activities of some hypothetical digital genetic texts.

It is well known that if mutation replaces an amino acid, the strong. The antisymmetrical correlation between the amino acid that these and some other familiar properties may be a physical

The “frozen accident” model, giving unlimited freedom to both arithmetic symbols and physicochemical protection inside

8 compressed series of degeneracy IV (32 life-size triplets)



16 compressed series of degeneracy III, II, I (32 life-size triplets)

모든 아미노산의 질량수의 합: 37의 배수

AMINO ACID	SYMBOL	MOLAR MASS
Alanine	Ala /A	89.09
Arginine	Arg /R	174.20
Asparagine	Asn/N	132.12
Aspartic acid	Asp/D	133.10
Cysteine	Cys/C	121.16
Glutamic acid	Glu /E	147.13
Glutamine	Gln /Q	146.14
Glycine	Gly /G	75.07
Histidine	His /H	155.15
Isoleucine	Ile /I	131.17
Leucine	Leu /L	131.17
Lysine	Lys /K	146.19
Methionine	Met/M	149.21
Phenylalanine	Phe /F	165.19
Proline	Pro /P	115.13
Serine	Ser /S	105.09
Threonine	Thr /T	119.12
Tryptophan	Trp/W	204.23
Tyrosine	Tyr /Y	181.19
Valine	Val /V	117.15

	1	2	3	4	
1	Asp/D 133.10	Asn/N 132.12	Ala /A 89.09	Leu /L 131.17	ROW TOTALS 485.48
2	Arg/R 174.20	Phe/F 165.19	Pro /P 115.13	Ile /I 131.17	585.69
3	Lys /K 146.19	Tyr /Y 181.19	Thr/T 119.12	Met/M 149.21	595.71
4	His /H 155.15	Trp/W 204.23	Ser/S 105.09	Cys/C 121.16	585.63
5	Glu/E 147.13	Gln/Q 146.14	Gly/G 75.07	Val /V 117.15	485.49
	COLUMN TOTALS 755.77	828.87	503.50	649.86	2738.00

(a).

0	1	2	3	4	5	6	7	8	9
000	037	074	111	148	185	222	259	296	333
370	407	444	481	518	555	592	629	666	
703	740	777	814	851	888	925	962	999	

Integer division by addition: $777/PQ037=7+7+7=21$

M

$$\begin{aligned}
 &1332.37 \\
 &= 2 \times 666 + 0.37 \\
 &1405.63 \\
 &= 2 \times 703 - 0.37
 \end{aligned}$$

$$\begin{aligned}
 &= 37 \times 74 \\
 &= 2 \times 37^2
 \end{aligned}$$

Rakočević, M. M. (2004)

모든 아미노산의 질량수의 합: 37의 배수

AMINO ACID	SYMBOL	MOLAR MASS
Alanine	Ala /A	89.09
Arginine	Arg /R	174.20
Asparagine	Asn/N	132.12
Aspartic acid	Asp/D	133.10
Cysteine	Cys/C	121.16
Glutamic acid	Glu /E	147.13
Glutamine	Gln /Q	146.14
Glycine	Gly /G	75.07
Histidine	His /H	155.15
Isoleucine	Ile /I	131.17
Leucine	Leu /L	131.17
Lysine	Lys /K	146.19
Methionine	Met/M	149.21
Phenylalanine	Phe/F	165.19
Proline	Pro /P	115.13
Serine	Ser /S	105.09
Threonine	Thr/T	119.12
Tryptophan	Trp/W	204.23
Tyrosine	Tyr /Y	181.19
Valine	Val /V	117.15

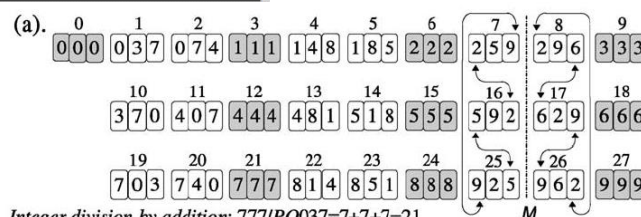
	1	2	3	4	
1	Asp/D 133.10	Asn/N 132.12	Ala /A 89.09	Leu /L 131.17	ROW TOTALS 485.48
2	Arg/R 174.20	Phe/F 165.19	Pro /P 115.13	Ile /I 131.17	585.69
3	Lys /K 146.19	Tyr /Y 181.19	Thr/T 119.12	Met/M 149.21	297.855
4	His /H 155.15	Trp/W 204.23	Ser /S 105.09	Cys/C 121.16	585.63
5	Glu/E 147.13	Gln/Q 146.14	Gly /G 75.07	Val /V 117.15	485.49
	COLUMN TOTALS 755.77	828.87	503.50	649.86	2738.00

$$1369.025 = 37^2 + 0.025$$

$$1368.975 = 37^2 - 0.025$$

$$= 37 \times 74$$

$$= 2 \times 37^2$$

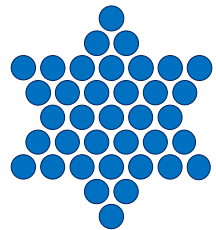
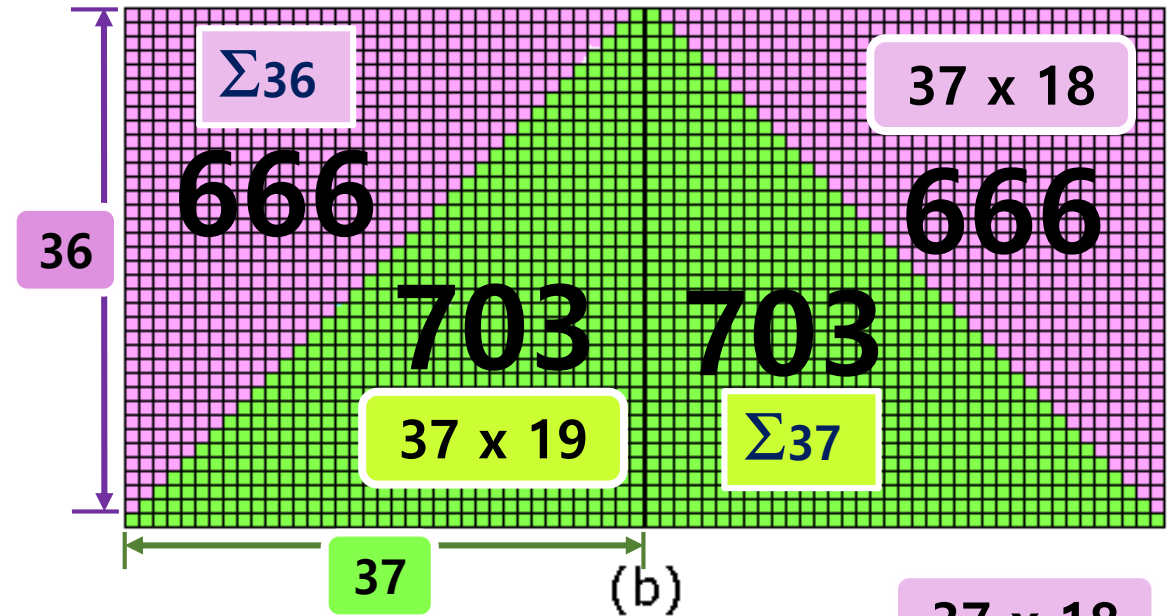
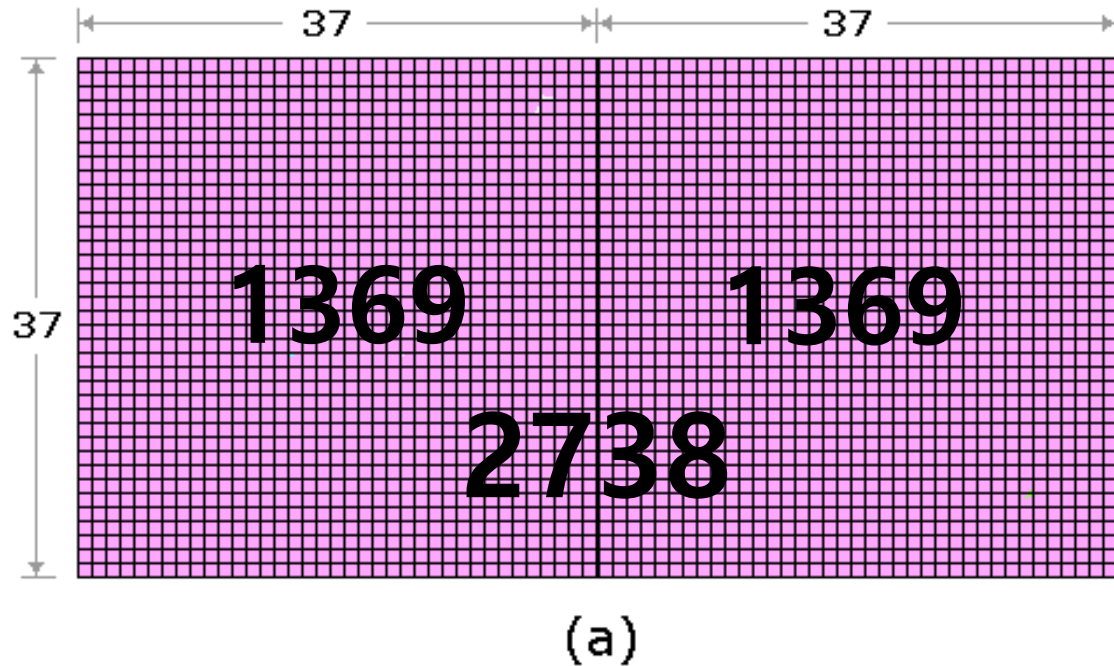


$$1332.37 = 2 \times 666 + 0.37$$

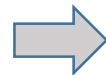
$$1405.63 = 2 \times 703 - 0.37$$

Rakočević, M. M. (2004)

모든 아미노산의 질량수의 합: 37의 배수



$$37 \times 74$$



$$2738$$

$$1+2+3+\dots +35+36 = \Sigma 36$$

$$\sum_{k=1}^n k = \frac{n(n+1)}{2}$$

$$1+2+3+\dots +36+37 = \Sigma 37$$

$$37 \times 18$$

$$666$$

$$703$$

$$37 \times 19$$

shCherbak의 RNA 암호패턴

RNA		SECOND BASE				
		U	C	A	G	
FIRST BASE	U	UUU UUC UUA UUG	UCU UCC UCA UCG	UAU UAC UAA UAG	UGU UGC UGA UGG	THIRD BASE
	C	CUU CUC CUA CUG	CCU CCC CCA CCG	CAU CAC CAA CAG	CGU CGC CGA CGG	
	A	AUU AUC AUA AUG	ACU ACC ACA ACG	AAU AAC AAA AAG	AGU AGC AGA AGG	
	G	GUU GUC GUA GUG	GCU GCC GCA GCG	GAU GAC GAA GAG	GGU GGC GGA GGG	

Universal genetic code

UCAG ($4^3=64$)



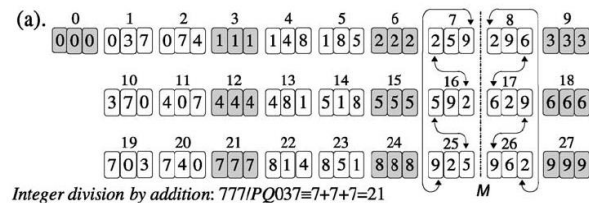
		FIRST BASE			
		A	G	U	C
SECOND BASE	A	AAU Asn AAC Asn AAA Lys AAG Lys	GAU Asp GAC Asp GAA Glu GAG Glu	UAU Tyr UAC Tyr UAA Stop UAG Stop	CAU His CAC His CAA Gln CAG Gln
	G	AGU Ser AGC Ser AGA Arg AGG Arg	GGU Gly GGC Gly GGA Gly GGG Gly	UGU Cys UGC Cys UGA Stop UGG Trp	CGU Arg CGC Arg CGA Arg CGG Arg
	U	AUU Ile AUC Ile AUA Ile AUG Met	GUU Val GUC Val GUA Val GUG Val	UUU Phe UUC Phe UUA Leu UUG Leu	CUU Leu CUC Leu CUA Leu CUG Leu
	C	ACU Thr ACC Thr ACA Thr ACG Thr	GCU Ala GCC Ala GCA Ala GCG Ala	UCU Ser UCC Ser UCA Ser UCG Ser	CCU Pro CCC Pro CCA Pro CCG Pro

shCherbak의 암호패턴

AGUC ($4^3=64$)



Shcherbak의 유전암호 1st 패턴과 핵자 수 37



(a). The amino acids of degeneracy IV series

Nucleon number of whole molecule, N:	Gly	Ala	SerIV	Pro	Val	Thr	LeuIV	ArgIV	Σ_{Total}	$\Sigma_{Total} / PQ 037$
standard box, B:	75	89	105	115	117	119	131	174	925	25=5 ²
	74	74	74	73+1	74	74	74	74	592	16=4 ²

side chain, R: 1 15 31 42-1 43 45 57 100 333 9=3²

(b). The amino acids and syntactic signs of degeneracy III, II, I series

	Cys	Ile	StopII	SerII	LeuII	Asn	Asp	Gln	Lys	Glu	His	Phe	ArgII	Tyr	Met	Trp	Σ_{Total}
B:	74	74	0	74	74	74	74	74	74	74	74	74	74	74	74	74	111+999

R: 47 57 0 31 57 58 59 72 72 73 81 91 100 107 75 136 111+999

Shcherbak의 첫 번째 패턴

		FIRST BASE			
		A	G	U	C
SECOND BASE	A	AAU Asn AAC Asn AAA Lys AAG Lys	GAU Asp GAC Asp GAA Glu GAG Glu	UAU Tyr UAC Tyr UAA Stop UAG Stop	CAU His CAC His CAA Gln CAG Gln
	G	AGU Ser AGC Ser AGA Arg AGG Arg	GGU Gly GGC Gly GGA Gly GGG Gly	UGU Cys UGC Cys UGA Stop UGG Trp	CGU Arg CGC Arg CGA Arg CGG Arg
	U	AUU Ile AUC Ile AUA Ile AUG Met	GUU Val GUC Val GUA Val GUG Val	UUU Phe UUC Phe UUA Leu UUG Leu	CUU Leu CUC Leu CUA Leu CUG Leu
	C	ACU Thr ACC Thr ACA Thr ACG Thr	GCU Ala GCC Ala GCA Ala GCG Ala	UCU Ser UCC Ser UCA Ser UCG Ser	CCU Pro CCC Pro CCA Pro CCG Pro

(a) IV그룹 아미노산 핵자수 (b) I ~ III그룹 아미노산 핵자수

R	B	합	R	B	합
333	592	925	1110	1110	2220
3*3*37	4*4*37	5*5*37	3*10*37	3*10*37	3*4*5*37

Shcherbak의 유전암호 2nd 패턴과 핵자 수 37

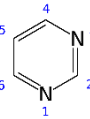
37

Shcherbak의 두 번째 패턴

(a). The amino acids and syntactic signs of the series with the 5' pyrimidine bases (the first 5' bisection)

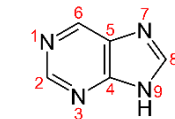
5' T: Phe LeuII SerIV Tyr <i>StopII</i> Cys Trp														5' C: LeuIV Pro His Gln ArgIV					Σ_{Total}	
B: 74	74	74	74	0	74	74								74	73+1	74	74	74	814	14
HO O	HO O	HO O	HO O		HO O	HO O								HO O	HO O	HO O	HO O	HO O		
C	C	C	C		C	C								C	C	C	C	C		
N-CH	N-CH	N-CH	N-CH		N-CH	N-CH								N-CH	N-CH	N-CH	N-CH	N-CH		
H	H	H	H		H	H								H	H	H	H	H		
HCH	HCH	HCH	HCH		HCH	HCH								HCH	HCH	HCH	HCH	HCH		
C	CH	OH	C		HS	HC=C								CH	CH	C	C	C		
CH CH	CH CH	CH CH	CH CH		CH CH	CH CH								CH CH	CH CH	CH CH	CH CH	CH CH		
CH CH	CH CH	CH CH	CH CH		CH CH	CH CH								CH CH	CH CH	CH CH	CH CH	CH CH		
CH			CH		CH-CH=CH									CH	CH	CH	CH	CH		
R: 91	57	31	107	0	47	130								57	42-1	81	72	100	814	14

Balance

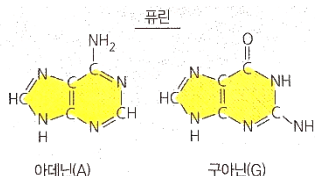
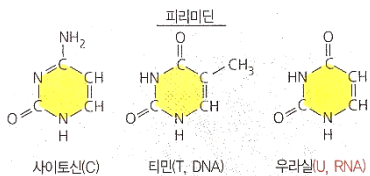


(b). The amino acids and syntactic signs of the series with the 5' purine bases

5' A: Ile Met Thr Asn Lys SerII ArgII														5' G: Val Ala Asp Glu Gly					Σ_{Total}	
N: 131	149	119	132	146	105	174								117	89	133	147	75	925	+2Δ
B: 74	74	74	74	74	74	74								74	74	74	74	74	592	+Δ
R: 57	75	45	58	72	31	100								43	15	59	73	1	333	+Δ



Δ=1110-814

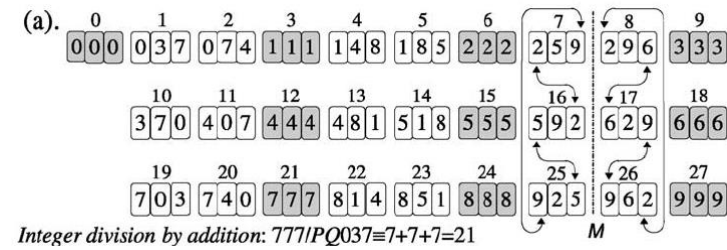


		FIRST BASE			
		A	G	U	C
SECOND BASE	A	AAU Asn AAC Asn AAA Lys AAG Lys	GAU Asp GAC Asp GAA Glu GAG Glu	UAU Tyr UAC Tyr UAA Stop UAG Stop	CAU His CAC His CAA Gln CAG Gln
	G	AGU Ser AGC Ser AGA Arg AGG Arg	GGU Gly GGC Gly GGA Gly GGG Gly	UGU Cys UGC Cys UGA Stop UGG Trp	CGU Arg CGC Arg CGA Arg CGG Arg
	U	AUU Ile AUC Ile AUA Ile AUG Met	GUU Val GUC Val GUA Val GUG Val	UUU Phe UUC Phe UUA Leu UUG Leu	CUU Leu CUC Leu CUA Leu CUG Leu
	C	ACU Thr ACC Thr ACA Thr ACG Thr	GCU Ala GCC Ala GCA Ala GCG Ala	UCU Ser UCC Ser UCA Ser UCG Ser	CCU Pro CCC Pro CCA Pro CCG Pro

(a) 피리미딘 아미노산 핵자수 (b) 퓨린 아미노산 핵자수

R	B	합	R	B	합
814	814	1628	629	888	1517
2*11*37	2*11*37	4*11*37	17*37	24*37	41*37
* Δ = 1110-814 = 296			333+Δ	592+Δ	925+2Δ

Shcherbak의 유전암호 3rd 패턴과 핵자 수 37



(a). The amino acid side chains and syntactic signs of the second 5' bisection

5' T: Phe LeuII SerIV Tyr										Cys Trp		5' G: Val Ala Asp Glu Gly					Σ_{Total}
																	654
R:	91	57	31	107	0	47	130			43	15	59	73	1			
5' A: Ile Met Thr Asn Lys SerII ArgII										5' C: LeuIV Pro His Gln ArgIV					789		
R:	57	75	45	58	72	31	100			57	42-1	81	72	100			

Start									
5'A: Ile Met Thr Asn Lys SerII ArgII					5'C: LeuIV Pro His Gln ArgIV				
R:	57	75	45	58	72	31	100	57	42-1
								81	72
									100
Σ_{Total}									
								789	

(ㄱ) 세로형

Shcherbak의 세 번째 패턴

(ㄴ) 가로형

	FIRST BASE			
	A	G	U	C
SECOND BASE	A	AAU Asn AAC Asn AAA Lys AAG Lys	GAU Asp GAC Asp GAA Glu GAG Glu	UAU Tyr UAC Tyr UAA Stop UAG Stop
	G	AGU Ser AGC Ser AGA Arg AGG Arg	GGU Gly GGC Gly GGA Gly GGG Gly	UGU Cys UGC Cys UGA Stop UGG Trp
	U	AUU Ile AUC Ile AUA Ile AUG Met	GUU Val GUC Val GUA Val GUG Val	UUU Phe UUC Phe UUA Leu UUG Leu
	C	ACU Thr ACC Thr ACA Thr ACG Thr	CCU Ala GCC Ala GCA Ala GCG Ala	UCU Ser UCC Ser UCA Ser UCG Ser

	FIRST BASE			
	A	G	U	C
SECOND BASE	A	AAU Asn AAC Asn AAA Lys AAG Lys	GAU Asp GAC Asp GAA Glu GAG Glu	UAU Tyr UAC Tyr UAA Stop UAG Stop
	G	AGU Ser AGC Ser AGA Arg AGG Arg	GGU Gly GGC Gly GGA Gly GGG Gly	UGU Cys UGC Cys UGA Stop UGG Trp
	U	AUU Ile AUC Ile AUA Ile AUG Met	GUU Val GUC Val GUA Val GUG Val	UUU Phe UUC Phe UUA Leu UUG Leu
	C	ACU Thr ACC Thr ACA Thr ACG Thr	CCU Ala GCC Ala GCA Ala GCG Ala	UCU Ser UCC Ser UCA Ser UCG Ser

(b). The amino acid side chains and syntactic signs of the unique Center bisection

Start									
Center T: Phe LeuII LeuIV Ile Met Val					Center G: Cys Trp ArgIV SerII ArgII Gly				
R:	91	57	57	57	75	43	47	130	100
								31	100
									1
Σ_{Total}									
								789	

StopII									
Center C: SerIV Pro Thr Ala					Center A: Tyr His Gln Asn Lys Asp Glu				
R:	31	42-1	45	15	107	0	81	72	58
								72	59
									73
Σ_{Total}									
								654	

(1) 주황 아미노산 핵자수

R	B	합
654	814	1468
A	$2 \times 11 \times 37$	

(2) 파랑 아미노산 핵자수

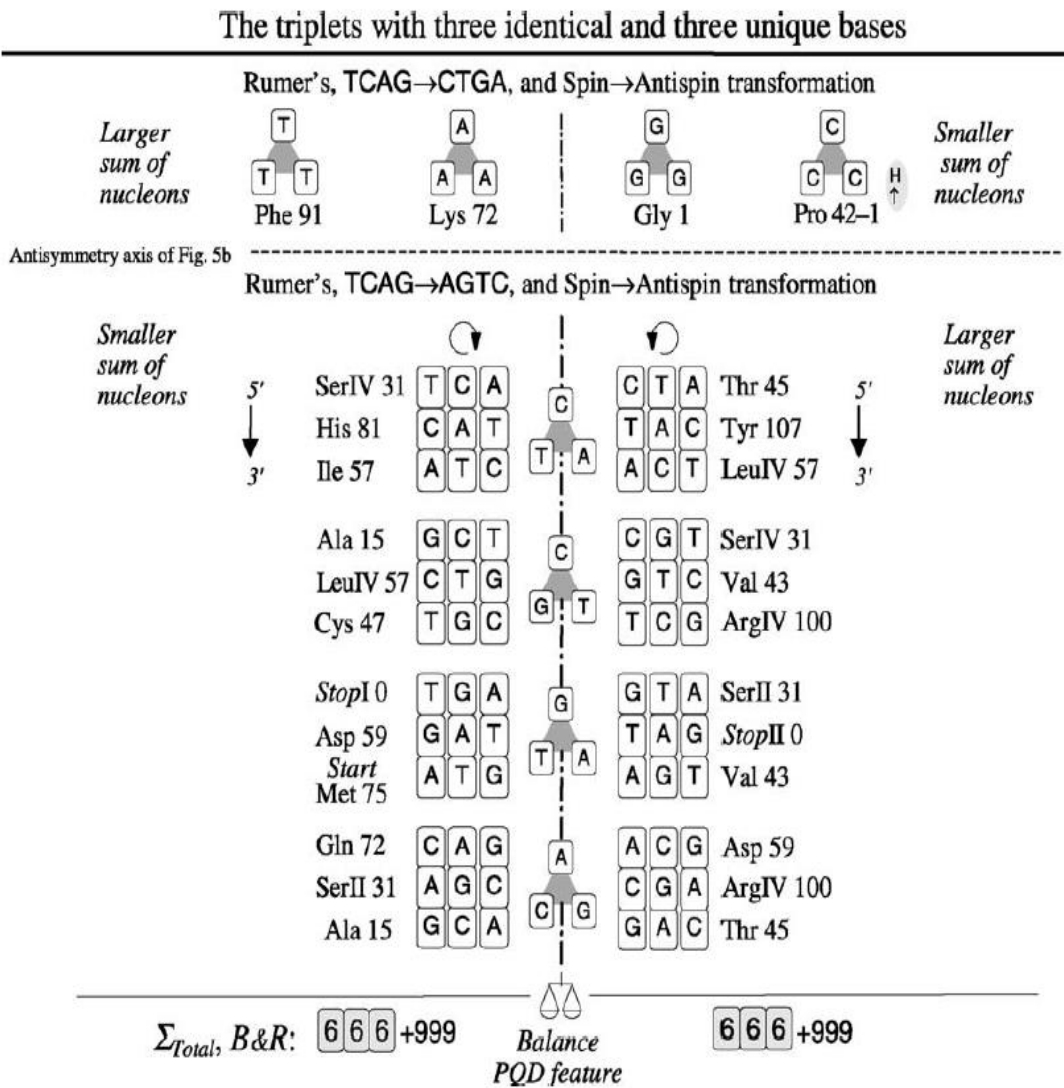
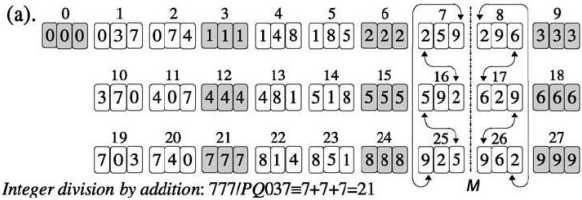
R	B	합
789	888	1677
B	24×37	

* $A+B = 1443 = 444 + 999$

$3 \times 13 \times 37$

shcherbak, V. I. (2003)

Shcherbak의 유전암호 4th 패턴과 핵자 수 37



Triplets of Identical Bases			
TTT Phe	R = 91 ; B = 74	GGG Gly	R = 1 ; B = 74
AAA Lys	R = 72 ; B = 74	CCC Pro	R = 41 ; B = 74

Clockwise Codons	Triplets of Unique Bases	AntiClockwise Codons
TCA Ser R = 31; B = 74 CAT His R = 81; B = 74 ATC Ile R = 57; B = 74	T A C	CTA Leu R = 57; B = 74 TAC Tyr R = 107; B = 74 ACT Thr R = 45; B = 74
GCT Ala R = 15; B = 74 CTG Leu R = 57; B = 74 TGC Cys R = 47; B = 74	G T C	CGT Arg R = 100; B = 74 GTC Val R = 43; B = 74 TCG Ser R = 31; B = 74
TGA Stop R = 0 ; B = 0 GAT Asp R = 59; B = 74 ATG Met R = 75; B = 74	T A G	GTA Val R = 43; B = 74 TAG Stop R = 0 ; B = 0 AGT Ser R = 31; B = 74
CAG Gln R = 72; B = 74 AGC Ser R = 31; B = 74 GCA Ala R = 15; B = 74	C G A	ACG Thr R = 45; B = 74 CGA Arg R = 100; B = 74 GAC Asp R = 59; B = 74

(a) 시계방향코돈 핵자수

(b) 시계반대방향 아미노산 핵자수

R	B	합	R	B	합
703	962	1665	703	962	1665
666 + 999		45*37	666+999		45*37

유전암호에 따른 아미노산의 블록B 및 측쇄R의 원자수, 질량수 총합

AMINO ACID	Particles in the Individual Amino Acids				DNA/RNA PF*	Particles in the Products of the Genetic Code			
	Atoms	Protons	Neutrons	Total		Atoms	Protons	Neutrons	Total
Std Blk	9	39	35	74	61	549	2379	2135	4514
Ala /A	13	48	41	89	4	52	192	164	356
Arg/R	26	94	80	174	6	156	564	480	1044
Asn/N	17	70	62	132	2	34	140	124	264
Asp/D	16	70	63	133	2	32	140	126	266
Cys/C	14	64	57	121	2	28	128	114	242
Glu/E	19	78	69	147	2	38	156	138	294
Gln/Q	20	78	68	146	2	40	156	136	292
Gly /G	10	40	35	75	4	40	160	140	300
His /H	20	82	73	155	2	40	164	146	310
Ile /I	22	72	59	131	3	22/44	72/144	59/118	131/262
Leu/L	22	72	59	131	6	132	432	354	786
Lys /K	24	80	66	146	2	48	160	132	292
Met/M	20	80	69	149	1	20	80	69	149
Phe/F	23	88	77	165	2	46	176	154	330
Pro /P	18	63	52	115	4	72	252	208	460
Ser/S	14	56	49	105	6	84	336	294	630
Thr/T	17	64	55	119	4	68	256	220	476
Trp/W	27	108	96	204	1	27	108	96	204
Tyr/Y	24	96	85	181	2	48	192	170	362
Val /V	19	64	53	117	4	76	256	212	468

Totals	'rebels' included	1147	4264	3654	7918
	'rebels' excluded	1078	4004	3430	7434

AMINO ACID	TOTAL NUCLEONS	RELATED CODONS	NUCLEON GRAND TOTAL
Gly /G	75	2+2	300
Ala /A	89	2+2	356
Ser/S	105	2+2	420
Pro /P	115	2+2	460
Val /V	117	2+2	468
Thr/T	119	2+2	476
Leu/L	131	2+2	524
Arg/R	174	2+2	696

8	925 [5x5x37]	32 [4x8]	3700 [10x10x37]
---	-----------------	-------------	--------------------

AMINO ACID	TOTAL NUCLEONS	RELATED CODONS	NUCLEON GRAND TOTAL
(STOP)	(0)	(2+1)	(0)
Ser /S	105	2	210
Cys/C	121	2	242
Leu/L	131	2	262
Ile /I	131	2+1	393
Asn/N	132	2	264
Asp/D	133	2	266
Gln/Q	146	2	292
Lys /K	146	2	292
Glu/E	147	2	294
Met/M	149	2-1	149
His /H	155	2	310
Phe/F	165	2	330
Arg/R	174	2	348
Tyr/Y	181	2	362
Trp/W	204	2-1	204

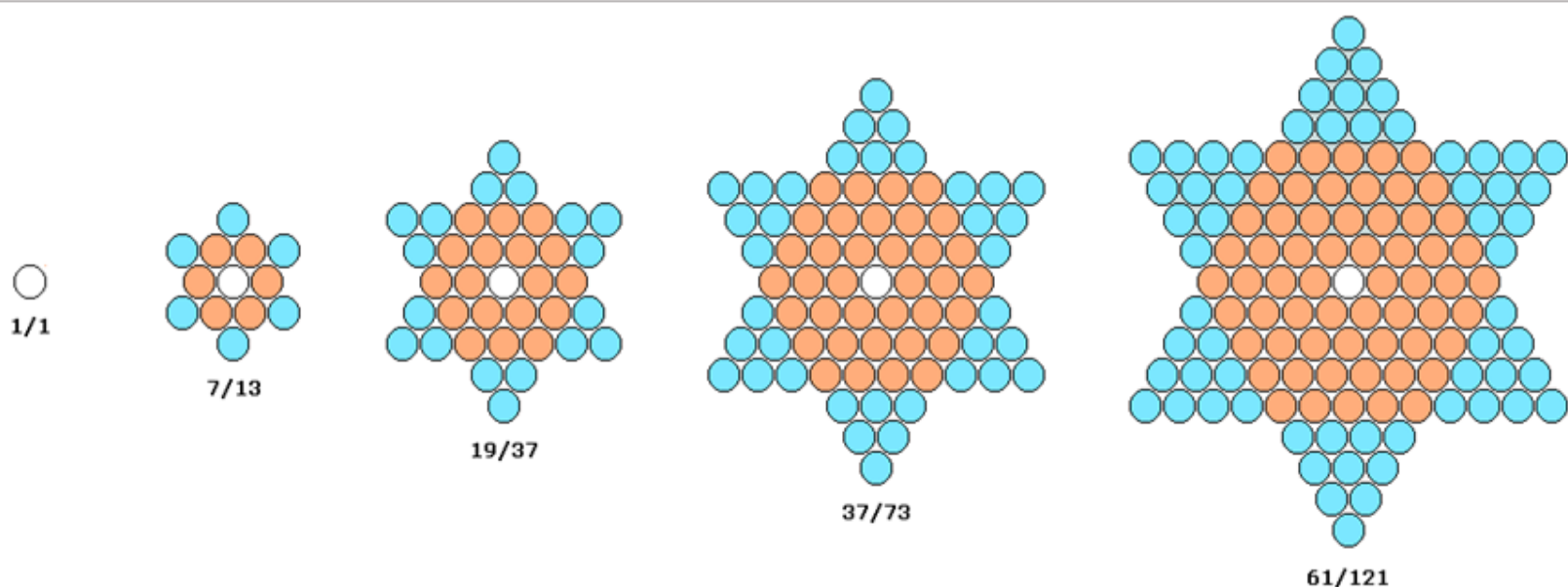
16	2220 [3x4x5x37]	32 [2x16+2-2]	4218 [6x19x37]
----	--------------------	------------------	-------------------

4그룹	1-3그룹	합
3700	4218	7918
100*37	6*19*37	214*37

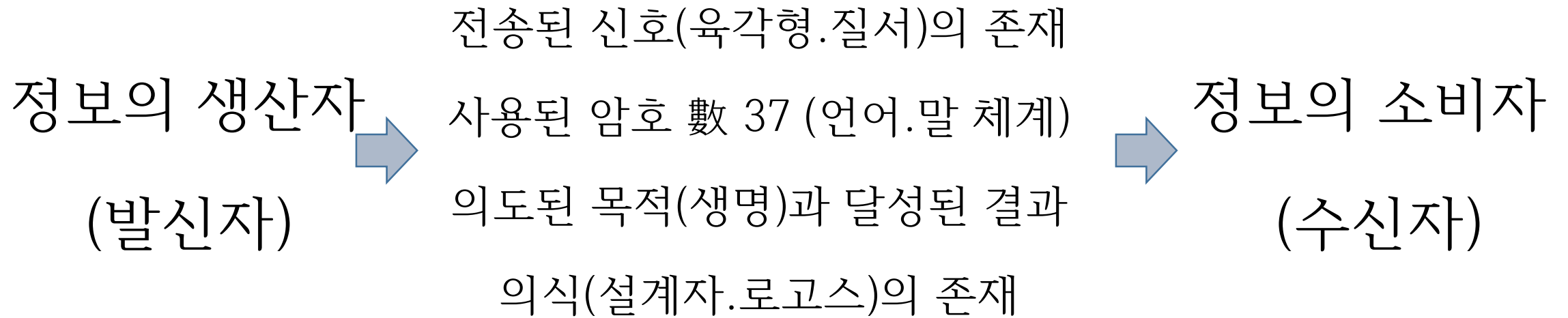
shcherbak, V. I. (2003)

유전암호에 따른 아미노산의 각각 질량수의 합과 도형수 비교

Particles	In the base of each amino acid	In all amino acids	In the 'rebel group'	In all amino acids without the 'rebel group'
NUCLEONS	74 [= 37x2]	7918 [= 37x214]	484 [= 121x4]	7434 [= 7x1062]
PROTONS	39 [= 13x3]	4264 [= 13x328]	260 [= 13x20]	4004 [= 13x7x44]
NEUTRONS	35 [= 7x5]	3654 [= 7x522]	224 [= 7x32]	3430 [= 7x7x7x10]



정보이론과 생명체의 수(數) 37?





본론3 Body3

성경말씀에도 수학적 질서(수, 기하학)가
존재하는 곳이 있을까?

신성한 서문에 숨겨진 생명의 수

Technical journal

VOLUME SEVEN (PART 2), 1993

Demography
research of
ancient
civilizations

The origin of
mammals:
Important
fossils study

Advanced
mathematics
on ancient
clay tablet

More on man's
early history

Biological
race theory

The Ultimate Assertion: בראשית ברא אלהים את השמים ואת הארץ: והארץ Evidence of Supernatural Design in the Divine Prologue

VERNON JENKINS

ABSTRACT

Some alternative views of Genesis 1:1 that explain why this first verse of the Hebrew Scriptures must be regarded as the most remarkable combination of words ever written.

SOME PRELIMINARIES

- (1) The term **characteristic value** will be found to occur frequently in the following pages. It refers to a numerical attribute of every Hebrew word, or group of words, that has its origin in the **alphabetic scheme of numeration** introduced into Jewish society circa 200 BC. This is given in Table 1 where the Hebrew alphabet of 22 letters — five with **end-forms** — is presented as a set of numerals.

The practice then was to record numbers on an **additive basis**, that is, letter-values were simply added together to obtain the number represented by a group of characters. It is in this manner that the **characteristic values** are calculated.

- (2) In an appropriate example of this procedure the derivation of the characteristic values of the **eight opening words** of the Bible is explained in Table 2. Reading from **right to left**, the eight numbers bracketed beneath the text are obtained by adding together

Position in alphabet	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Letter	א	ב	ג	ד	ה	ו	ז	ח	ט	י	כ	ל	מ	נ	ס	ע	פ	צ	ק	ר	ש	ת
Numerical Value	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100	200	300	400

Table 1. The basis of the Hebrew alphabetic scheme of numeration.

(90)(200)(1)(5)(6)	(90)(200)(1)(5)	(400)(1)(6)	(40)(10)(40)(300)(5)	(400)(1)	(40)(10)(5)(30)(1)	(1)(200)(2)	(400)(10)(300)(1)(200)(2)
והארץ	הארץ	ואת	השמים	את	אלהים	ברא	בראשית
EARTH THE AND	EARTH THE	AND	HEAVEN THE	-	GOD	CREATED	BEGINNING THE IN
(302)	(296)	(407)	(395)	(401)	(86)	(203)	(913)

Table 2. Derivation of the characteristic values of the eight opening words of the Bible, the first seven words making up Genesis 1:1.

ΑΔάμ

1+4+1+40

수-문자 체계(Alpha numeric system)

(히브리어)

Place:	1	2	3	4	5	6	7	8
Letter:	א	ב	ג	ד	ה	ו	ז	ח
Name:	aleph	beyt	gimel	dalet	hey	vav	zayin	hhet
Numeral:	1	2	3	4	5	6	7	8

Place:	9	10	11	12	13	14	15
Letter:	ט	י	כ	ל	מ	נ	ס
Name:	tet	yud	kaph	lamed	mem	nun	samech
Numeral:	9	10	20	30	40	50	60

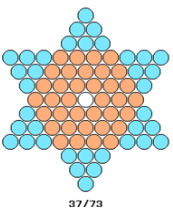
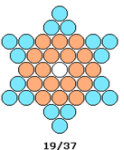
Place:	16	17	18	19	20	21	22
Letter:	ע	פ	צ	ק	ר	ש	ת
Name:	ayin	pey	tsadey	quph	resh	shin	tav
Numeral:	70	80	90	100	200	300	400

(5+13+11+8) 서수 값=37

חַכְמָה 지혜(호크마)

(5+40+20+8) 숫자 값=73

73



(헬라어)

Place:	1	2	3	4	5	6	7	8
Letter:	Αα	Ββ	Γγ	Δδ	Εε	Ζζ	Ηη	Θθ
Name:	Alpha	Beta	Gamma	Delta	Epsilon	Zeta	Eta	Theta
Numeral:	1	2	3	4	5	7	8	9

Place:	9	10	11	12	13	14	15	16
Letter:	Ιι	Κκ	Λλ	Μμ	Νν	Ξξ	Οο	Ππ
Name:	Iota	Kappa	Lambda	Mu	Nu	Xi	Omicron	Pi
Numeral:	10	20	30	40	50	60	70	80

Place:	17	18	19	20	21	22	23	24
Letter:	Ρρ	Σσς	Ττ	Υυ	Φφ	Χχ	Ψψ	Ωω
Name:	Rho	Sigma	Tau	Upsilon	Phi	Chi	Psi	Omega
Numeral:	100	200	300	400	500	600	700	800

(9+7+18+15+20+18) 서수 값=87

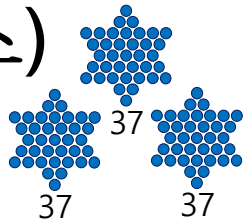
Ι η σ ο υ ς 예수(이에수스)

(10+8+200+70+400+200) 숫자 값=888

888=8 x 3 x 37=111*8

Vernon et al (1993)

111=3*37



참고사이트: Blue Letter(원어연구)

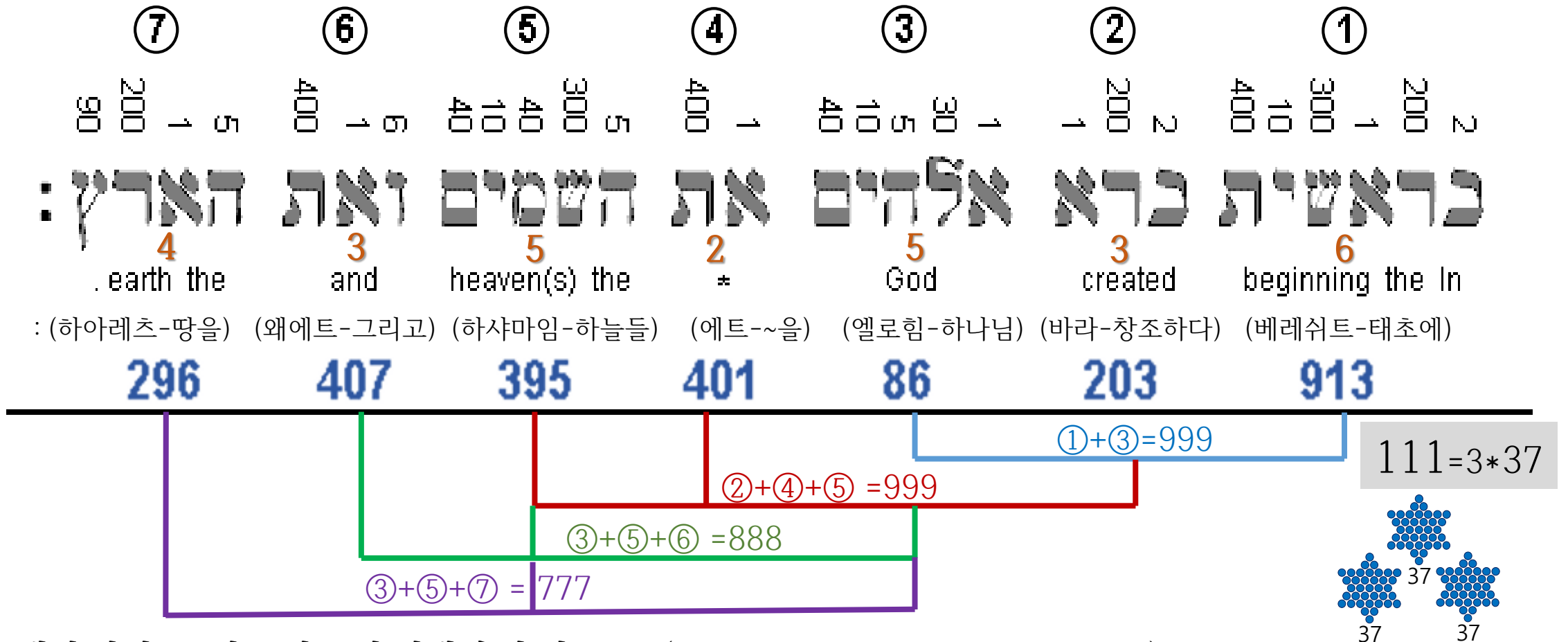
The screenshot shows the Blue Letter Bible website interface. At the top, there's a navigation bar with 'BLUE LETTER BIBLE' and various tools like 'HELP', 'QUICKNAV', and 'ADV. OPTIONS'. Below this, a search bar contains 'Verse or Word(s)' and 'KJV'. The main content area displays 'Gen 1:1' with the text 'In the beginning God created the heaven and the earth.' in English. Below the English text, there's a section for 'Masoretic Text' showing the Hebrew text 'בְּרֵאשִׁית בָּרָא אֱלֹהִים אֶת הַשָּׁמַיִם וְאֶת הָאָרֶץ:'. To the right of the Hebrew text, there's a table with columns for 'English (KJV) [?]', 'Strong's', 'Inflected, Root & Transliterated', and 'Parsing'. The table shows the words 'In the beginning' (Strong's H7225, Inflected: בְּרֵאשִׁית, Root & Transliterated: רֵאשִׁית, Parsing: re'shit) and 'God' (Strong's H430, Inflected: אֱלֹהִים, Root & Transliterated: אֱלֹהִים, Parsing: 'elohim). The website also features a sidebar with 'BLB Searches' and 'Multi-Verser Retrieval' sections.

참고사이트: Gematria calculator

The screenshot shows the Gematria calculator website. At the top, there's a navigation bar with 'Gematria calculator' in a yellow box. Below this, there's a section titled 'This multi-language gematria calculator calculates letters/words into numbers. Select language and input words.' followed by a list of supported languages: 'only Hebrew letters in the Hebrew gematria calculator', 'only Greek letters in the Greek gematria calculator', and 'only English letters in the English gematria calculator'. Below this, there's a section titled 'The table has the dragging property, giving it the infinite potential of width.' followed by a note: 'If you hover the mouse pointer over the table and hold shift you can drag it to the end by scrolling down with the mouse.' Below this, there's a section titled 'It can be used outside of this page in full-screen mode showing more letters than here.' followed by a link for full-screen mode: <https://777codes.com/gematria/form.php>. At the bottom, there's a form with a text input field labeled 'Enter text and select a language', a language dropdown menu set to 'English', a 'Submit' button, and two buttons labeled 'input starter system' and 'starter system result'.

창세기1장1절의 숫자 값(2701)과 특별한 질서들

GENESIS 1:1

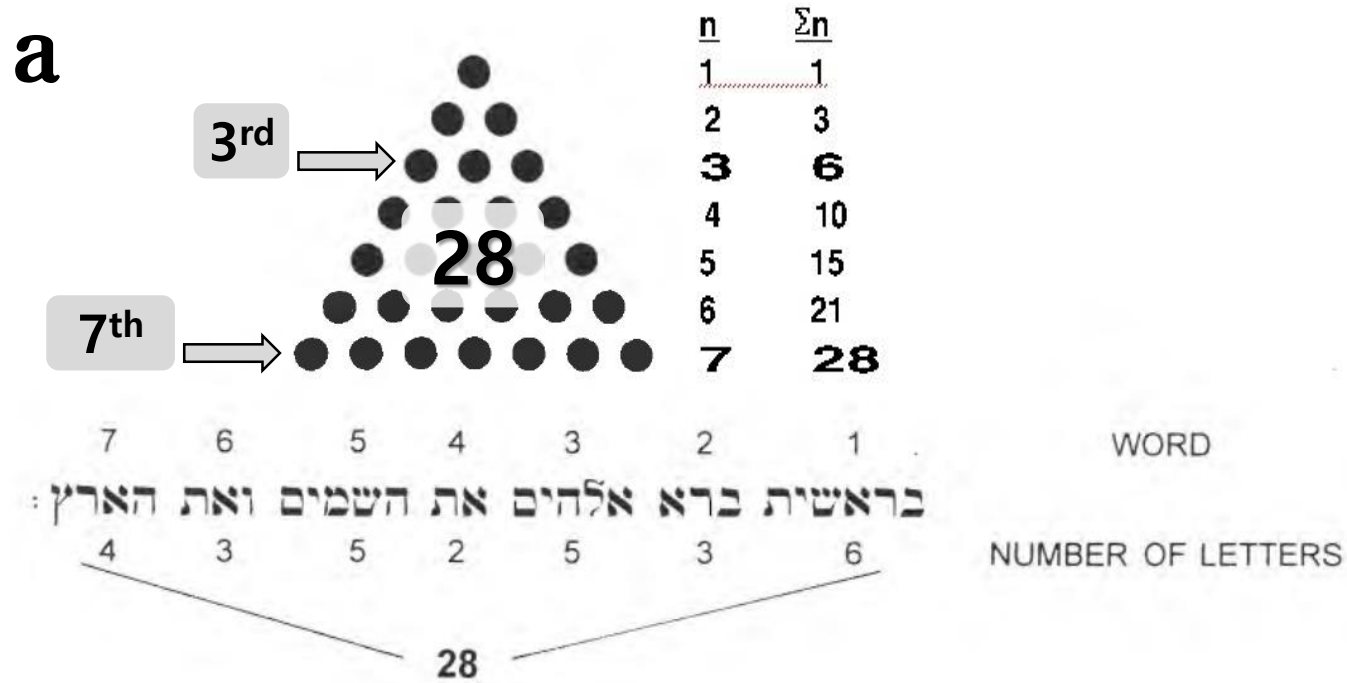


7개의 단어, 28의 문자, 1절 전체 숫자 값: 2701(913+203+86+401+395+407+296)

①+③=999, ②+④+⑤=999, ③+⑤+⑥=888, ③+⑤+⑦=777, 111=3*37

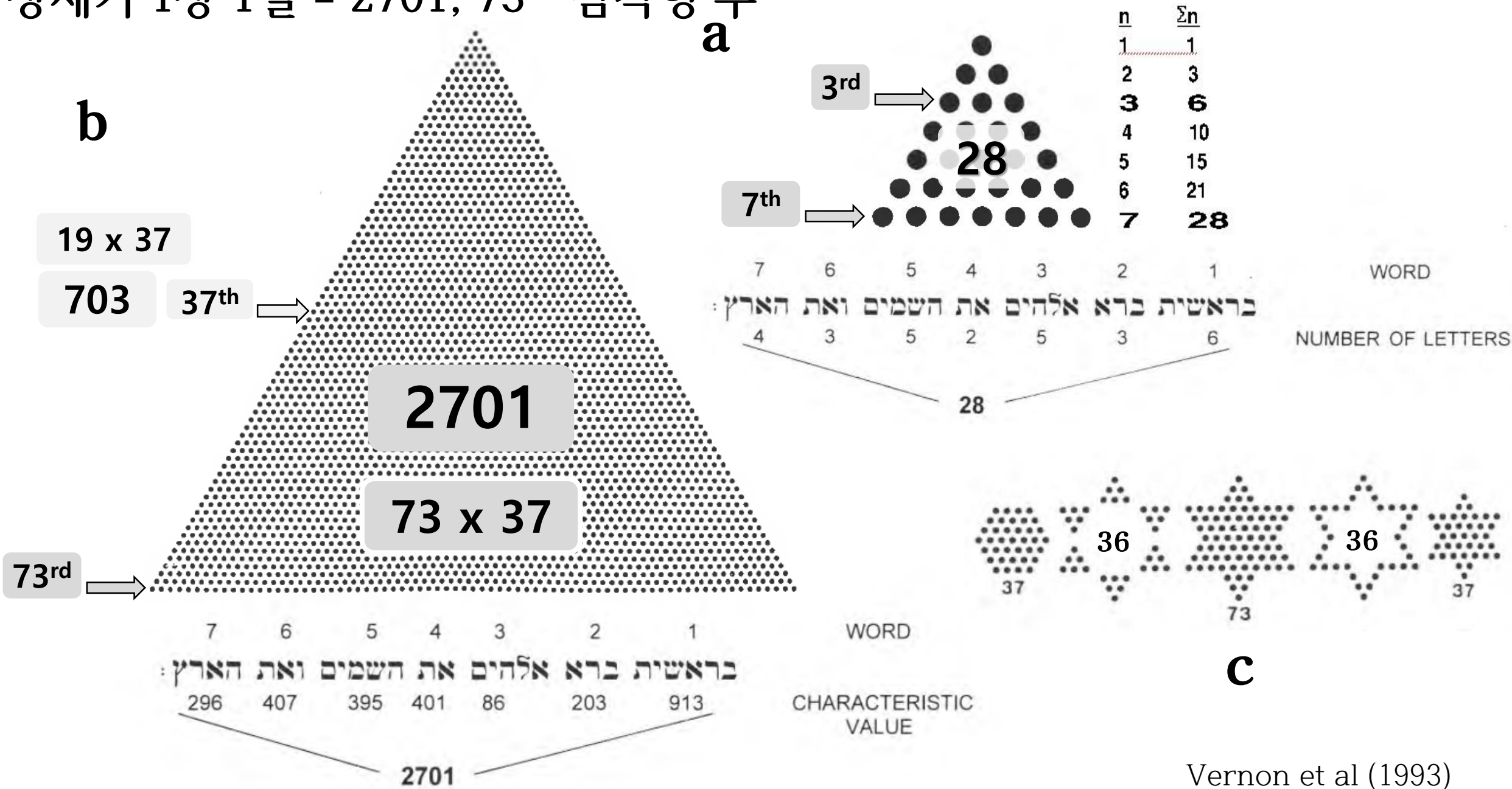
Vernon et al (1993)

창세기 1장 1절 = 7개의 단어, 28의 문자, 7th 삼각형 수

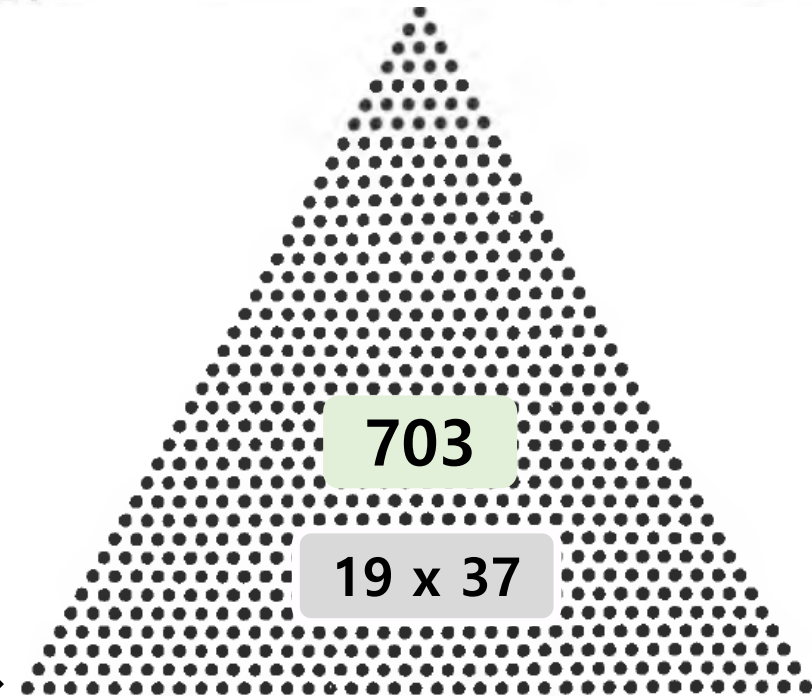
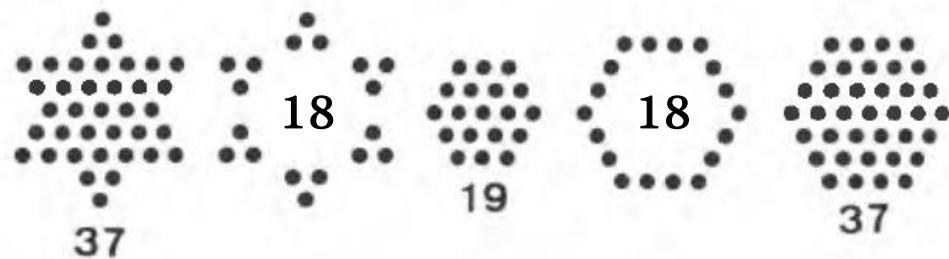


בְּרֵאשִׁית בָּרָא אֱלֹהִים אֶת הַשָּׁמַיִם וְאֶת הָאָרֶץ:

창세기 1장 1절 = 2701, 73rd 삼각형 수



a



37th



בראשית ברא אלהים את השמים ואת הארץ:

296

407

395

401

86

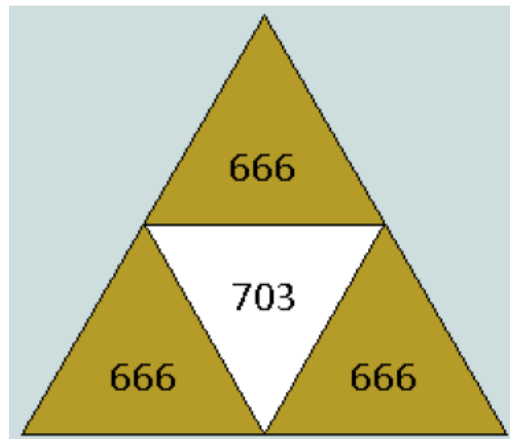
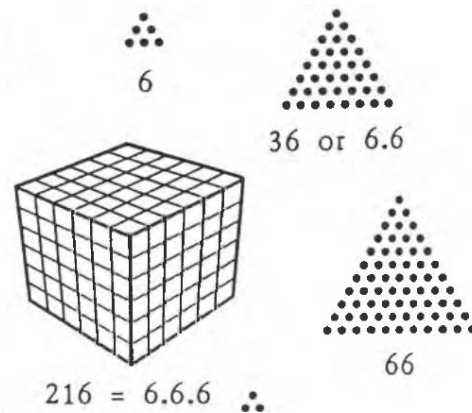
203

913

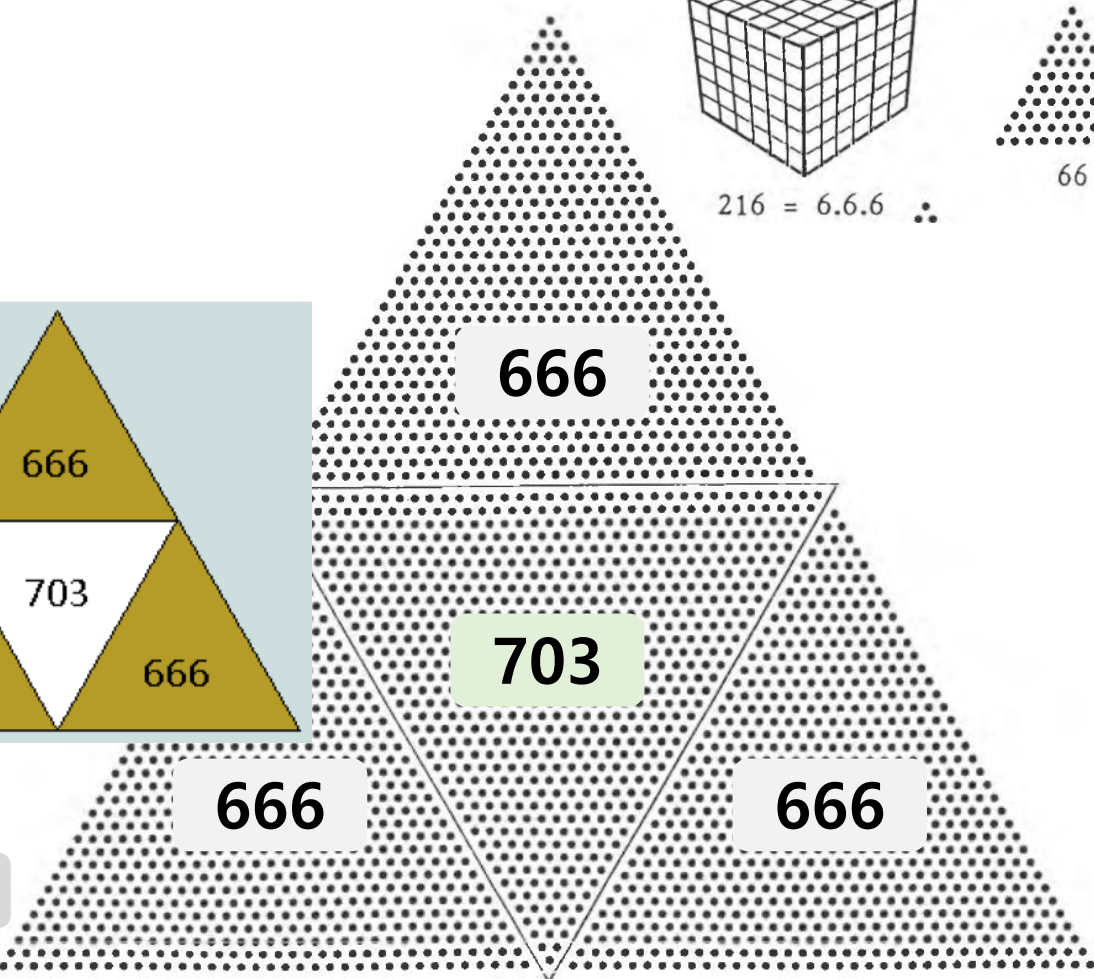
703

그리고, 땅을 = 703, 37th 삼각형 수

b



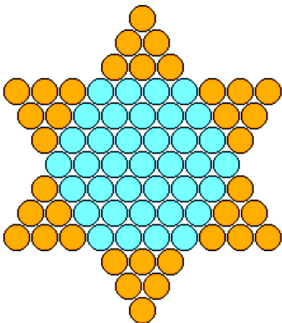
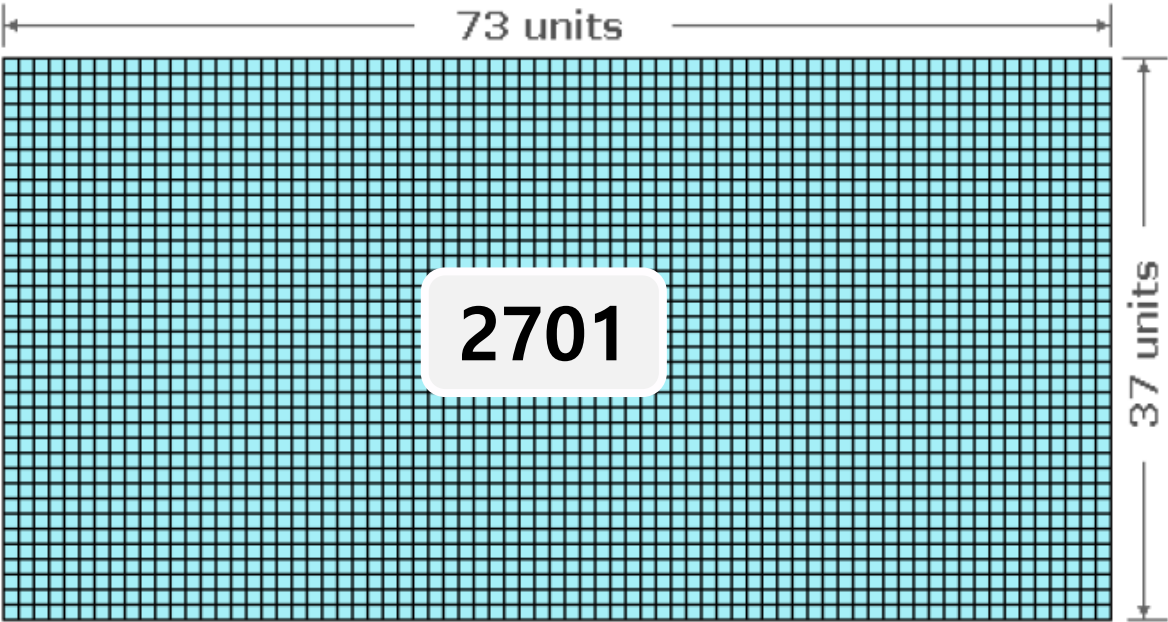
73rd



2701

Vernon et al (1993)

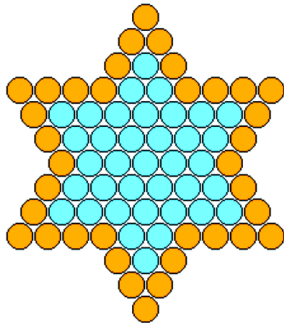
창세기 1장 1절 = 2701, 73*37, 직사각형



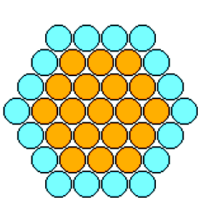
73-as-hexagram with
37-as-hexagon inset



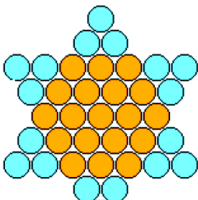
A snow crystal displays the same underlying design



73-as-hexagram with
37-as-hexagon inset

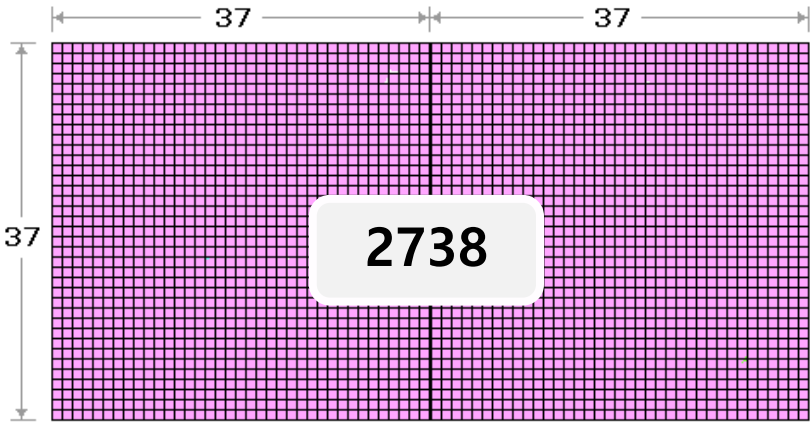


37-as-hexagon with
19-as-hexagon inset

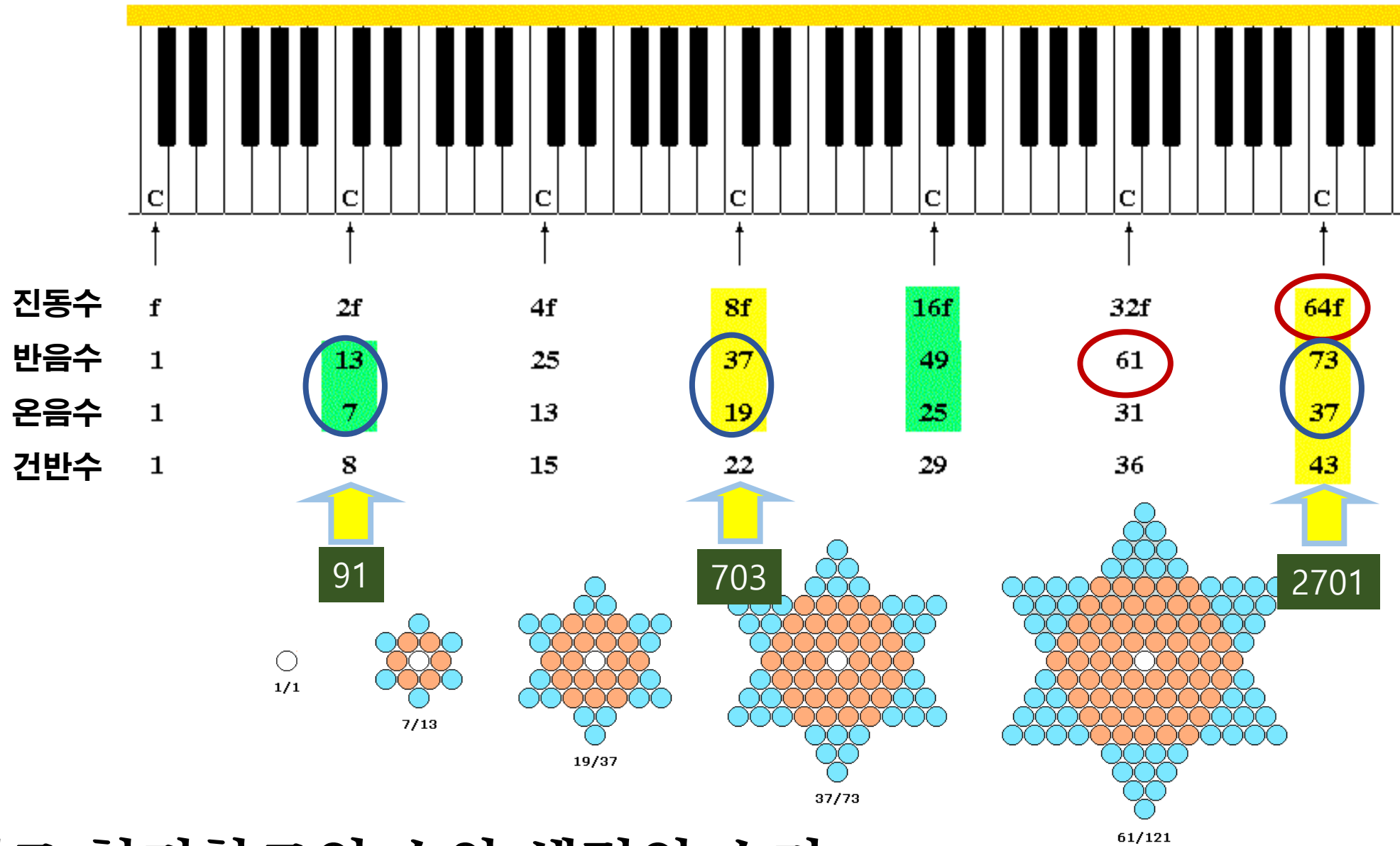


37-as-hexagon with
19-as-hexagon inset

$2738 = 2701 + 37$



모든 아미노산의 질량수의 합



음악에도 천지창조의 수와 생명의 수가...

Vernon et al (1993)

Ἰησοῦς Χριστός

Word

λογος (Logos)

30+70+3+70+200

λογος

Word,

373

Ἰησοῦς

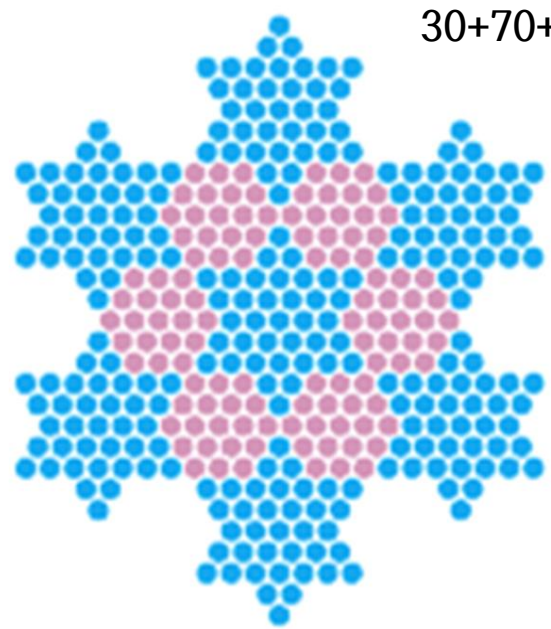
Χριστός

(10) (8) (200) (70) (400) (200)

Ἰησους

(600) (100) (10) (200) (300) (70) (200)

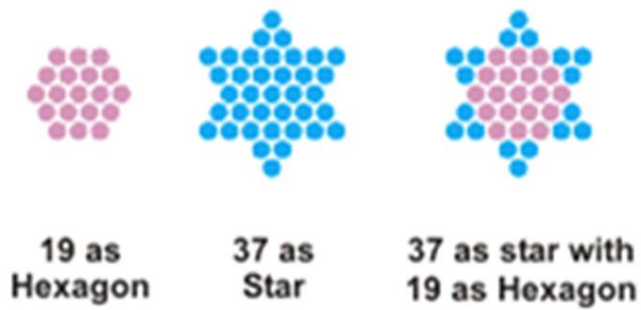
Χριστος



$$373 = 7 \times 37 + 6 \times 19$$

259

114



37

5 13 11 8

ה ה ו ה

5 40 20 8

73

$$888 = 24 \times 37 = 3 \times 296$$

$$1480 = 40 \times 37 = 5 \times 296$$

$$2368 = 64 \times 37 = 8 \times 296$$

7

200 1 5

ה א ר י

4

. earth the

: (하아레츠-땅을)

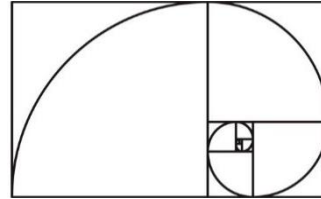
296

예수께서 대답하시되 진실로 진실로 네게 이르노니 사람이 물과 성령으로 나지 아니하면 하나님의 나라에 들어갈 수 없느니라(요3:5)

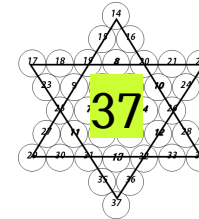
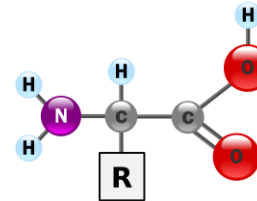


결론 Conclusion

생명체가 나타내는 아름다움(조화)에는 질서가 있으며 황금비율과 같은 수학적 질서가 존재한다.

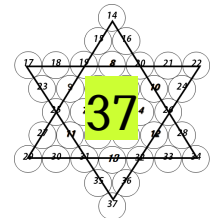


생명체 관련 수들 중에 유전자와 아미노산 속의 규칙 가운데 나타나는 37이 생명의 수에 가장 가깝다.



신성한 서문과 음악 속에 숨겨진 수학적 질서들 속에도 생명의 수(數) 37이 존재하는 것을 보아 생명수 되시는 창조주는 지혜이자 진리이시다.

בְּרֵאשִׁית בָּרָא אֱלֹהִים אֶת הַשָּׁמַיִם וְאֶת הָאָרֶץ:





참고문헌 Reference

Ghirlanda, S., Jansson, L., & Enquist, M. (2002). Chickens prefer beautiful humans. Human Nature, 13, 383-389.

(https://www.summagallicana.it/lessico/j/Ig_Nobel_2003_Ghirlanda_Jansson_Enquist_2002.pdf)

...

Rakočević, M. M. (2004). A harmonic structure of the genetic code. Journal of theoretical biology, 229(2), 221-234.

(https://c2c809b8-35c8-4f15-887e-f137df902d3e.usrfiles.com/ugd/c2c809_3d0fb947fced4a359d09fb24abb5780e.pdf)

shcherbak, V. I. (2003). Arithmetic inside the universal genetic code. Biosystems, 70(3), 187-209.

(https://c2c809b8-35c8-4f15-887e-f137df902d3e.usrfiles.com/ugd/c2c809_396bdebd880249dd9b764dcf6e911e11.pdf)

shCherbak, V. (2008). The arithmetical origin of the genetic code. In The codes of life: the rules of macroevolution (pp. 153-185). Dordrecht: Springer Netherlands.

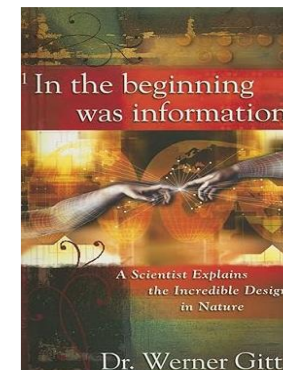
...

Vernon, J. (1993). The Ultimate Assertion : Evidence of Supernatural Design in the Divine Prologue, CEN Technical Journal.,vol.7(2), pp.184-196. (https://dl0.creation.com/articles/p028/c02814/j07_2_184-196.pdf)

인터넷 사이트

성경 원어와 영어번역본 비교 사이트: https://www.blueletterbible.org/kjv/gen/1/1/ss0/rl0/t_conc_1001

성경 말씀의 숫자 값 계산 사이트: <https://777codes.com/index.php/gematria-calculator/>





나눔을 위한 질문 Questions for Sharing

1. 아름다움의 기준이 황금비와 관련이 있다는데 내적인(영적인) 아름다움의 기준은 무엇인가요?
2. 왜 수학적 질서와 규칙(37의 배수)이 유전자 암호와 아미노산의 질량수에 반복해서 나타날까요?
3. 생명의 수(천지창조의 수.창조자 예수)가 나타나는 다른 곳이 또 있을까요?
4. 7일 창조(안식일 포함)를 기하학으로 표현할 수 있을까요?