

Lessons in Numero-English using The Root Words of the Sumer-Remus Cypher by
Remus T. Webb

In this video I will introduce some new ideas concerning natural language processing using a new cryptographic puzzle game for group and tournament play by humans and AI. A goal is to create training data by playing the game to be used by AI in the search for artificial general intelligence. I believe an AI which can define subjects and answer queries using the Sumer-Remus substitution cipher and the Root Words game, as well as or better than a human, will exhibit qualities of general intelligence. In order to make a good translation of a cipher one must have a good deal of general knowledge about the world in many different areas and put those ideas into discrete, concise and explicit organizations of thought.

The organization of thought is built by using enumerated words in a lexicon. One of the main goals in this endeavor is to build a robust universal cipher lexicon. A robust universal cipher lexicon is an enumerated lexicon of 50,000 (or more) words in the English language which will then be translated into other languages. Each word needs to be numbered in such a way that it corresponds to the other words in the lexicon to make complete ideas or memes.

The current state of the art is an enumerated lexicon of around 550 principle words and thousands of complementary words which allow for good English translations to any query generated from the constituent words in the Sumer-Remus substitution cipher. Each numerical digit (mod 10, or 1 digit number) can have more than one word assigned to it on the scalar or primary level. The numerical digits (mod 100, or 2 digit number) can also have more than one word assigned to them on the primary level. There is also an ordinal value for each primary value, (secondary), which discriminates each primary value and is lettered AA through TB.

Here is an example of a Root Words Playing/Memorization Card. There are 10 double sided Cards with the Root words that you substitute for numbers in the game.

Root Words©		
6		
Describe	Narrative as	Mod 10 -
NUMBER	Antonymn/ Synonymn	ALPHABET
6	Knowing / Reason	6 - KA,KB
16	Conscience / Awareness	6 - LA,LB
26	Life / Action	6 - MA,MB
36	Fatherhood / Safety	6 - NA,NB
46	Meaning / Humor	6 - OA,OB
56	Loss / Motivation	6 - PA,PB
66	Ruling / Morality	6 - QA,QB
76	Punishment / Curse	6 - RA,RB
86	Release / Greed	6 - SA,SB
96	Clarity / Friendship	6 - TA,TB

-- of, / = or

of the Sumer-Remus Cypher

Every non-numerical symbol has a primary value of zero. The input of a calculable cypher can come in many forms of mathematical functions but the output of any calculation using the cypher will be constructed on the primary or scalar level with only these 22 symbols and formed into what I call a Webb equation. These are the 22 symbols used in the Webb equation: <[{{(*+.)=0987654321}}]>

Between two parentheses represent all of the possible permutations and combinations of numbers using summands, factors, transposition, separation, concatenation, substitution, equality, and 8 symbols that can be reduced back to the original one, two, or n-digit number. The symbols represented between parentheses are:(<=&*+.) (The spaceships come from other stars to the earth). The symbols used in the Sumer-Remus cypher used to generate equations equivalent to English sentences in Numero-English are as follows:

Begin Cypher	[Begin Decipherment	{
Cypher complete.]	Decipherment complete.	}
Numerals:		0987654321	
multiplication:		*	
Addition		+	Separator, to .
Separation		(ab)->(a.b) or (b.a)	Until ..
Concatenation		(a.b)->(ab) or (ba)	Eternal ...
Equality		=	
Begin Transform	<	Transform complete	>

Between these parentheses(), all permutations and combinations of constituent 1 or two digit numbers within the (n)-digit cypher and 8 non-numeric symbols in the cypher (<>=*+.), including equalities, sums & product formulae, concatenation of 2 separate 1-digit numbers into a two-digit number, separation of 2 digit numbers into single digits using the decimal, and/or reversal of numerals, beginning and completing transforms

[<(*+.)=9876543210>]={{(0.0.0.(9=9).8.76.54.3.21.0)}} Webb equation

Mnemonic: "From the stars to the earths in equality of love, the Universal Godship rewards wisdom with the understanding of truth from the cypher". -- Remus T. Webb

Per word: a 2xn array

Primary numerical value=Scalar

Secondary alphabetical value=Ordinal

Tertiary numerical value=Part of speech

Quaternary numerical value=Qualia, etc. More variable options in the future related to judgement of the cypher.

A transform is the changing of the affixation or conjugation of a root word and/or plurality, possession, or substituting it for a positive or negative analog, antonym or synonym.

[1]=<1>=<1>

Objective=Object=Thing

Root word=>Transform=>Transform

The 22 symbols combined with an ordered list of words called the Root Words, and the operant rules create a game utilizing mathematics and English which can be played by people and AI in small or large groups or tournaments. A goal is to raise money for research, charity,

and make a profit teaching knowledge while training an AI to define, provide commentary, relevance, etc., and explain why?, or the contrary for any query in English.

Examples of arbitrary cryptographic puzzle query and answer: 10=cause 1=bad 57=smell

Query (Root Words)	What is the cause of the bad smell?
Translation into Numero-English:	1 0 1 5 7
Response computation:	9 1 4 2 3
Translation into English definition:	“Repulsive thing which produces mental grief and the experience of suffering for the smelling sense of man”.
Translation into Numero-English:	{{(8+<1>).<1>.<0>+4).((2.3)=(<7>+(1.6)))}}
Induction computation:	0.910423716
From basis of why: e^0.910423716	2.485375404
Translation into definition of why:	“The experience of grief influenced from the sense of smell, by suffering, teaches respect for clean behavior”.
Translation into Numero-English	{{(2.4.<5>*(1.7)).3.<75>.4.<0>.4}}

cause=10, program=70, error=94

What is the cause of the program error?

10.70.94	1	0	7	0	9	4
	9	7	3	9	5	6

- 1 Erosion of both the perception and discipline of balance to the dimensions of labor and profit versus mankind's safety and conscience.
- 2 "Negative of a solution to mathematically account for a behavior".
- 3 Certain ignorance of the reality that creation and destruction are both natural forces of life.
- 4 Loss of the influences of compassion, understanding, and love.
- 5 Proof positive of a mathematical error.

Why of (2)=e^(0.107094)=1.11304

Negative of the ability to prove your knowledge of understanding the mathematical error.

$$\{(1+0).1.3.0.4\} = f(2)$$

$$\{(9).(7=7).3.9.(5*1).(6=6)\} = 1$$

$$\{(1.0.70.9.4)\} = 2$$

$$\{(2+7).7.3.9.(5=5).6\} = 3$$

$$\{(6.5.9.3.79)\} = 4$$

$$\{(1.0.70.94)\} = 5$$

C=(10+B-A) mod 10, or right most letter occidental of the output of the function is the solution to the A'th digit. B1=0, A1=1, C1=9: B2=7,A2=0,C2=7:B3=0,A3=7,C3=3, etc.

Each of the numerals in the above formulations have corresponding Root Words or legal transforms assigned to them. The Root Words of the Sumer-Remus Cypher are a set of digital memorization and playing cards that you can find on Tradebit. Substituting the words for their assigned numbers and numbers for their assigned words builds English and Numero-English sentences. Using the Sumer-Remus Cypher and the Tri-Cuts Algorithm, (Transposition-Recombination-Computation-Concatenation and separation-Transformation and Translation using Substitution) create sentences in English and Numero-English. Grouping the individual numerals together of a solution, and then computing a solution to why is one of the basics of the

game at an expert level. Simply defining the subject is a basic of play at the amateur level. The goal is to find a combination of the substitutable root words or legal transforms in English which adequately answers the query. For example:

6=man 24=sexual 78=attraction 68=woman

Query (Root Words)	What is man's sexual attraction to woman for?
Translation into Numero-English	6 2 4 7 8 6 8
Response computation	6 2 3 1 8 2 2
Translation into English definition	“Experience feeling a woman's body and use sexual intercourse to produce children who obey their father”.
Translation into Numero-English:	{{(2.2.<8>.(1=((0=0)+1)).3.2.6)}
Induction computation:	0.22811326
From basis of why: e^0.22811326	1.2562276
Translation into definition of why:	“Production of a certain natural influence on life to reproduce because of man's carnal need of a woman and his obeying internal commands for the reward of sexual intercourse”.
Translation into Numero-English	{{(1.2.(5=5)).((6*1)=6).((4+(1.8))=(2.<0>+2))).(76+0)}

In a game of 3 or more players, one person is the Guda or judge is compensated by points or currency for choosing a subject using the Root Words cards. He then substitutes the words for their equivalent numbers. He acts in concert with 2 or more players acting as scribes that translate numerical sentences into English and then into a Webb equation in Numero-English. Guda is random. Roll a 10 sided real or virtual dice. Lowest score is Guda. If tie for lowest then roll until all ties broken. At least 25% of scribes must approve the subject or a new Guda is chosen. Only then is the Guda paid. Using the Root words cards, the Guda begins the numerical puzzle by substituting the numerical equivalent for the words he chose on the cards to make a subject question. Ve uses a response computation algorithm to calculate a response or corollary. Some are noted on Tradebit under Frosty Notes on the universal0 Tradebit page. Each scribe then uses the Root Words cards to translate solutions to the puzzle by defining and substituting

the subject numbers and defining the “What” for the subject numbers and possibly the “Why” after calculating $e^{(0.x)}$ where x is the sequence of numerals in the decipherment. The game is played by substituting words for calculated numbers and creating formulas for substitution of words in sentences. The winner of the scribes is paid a large percentage of a purse collected for each competition or other prizes.

Game	100.00%
Winner	56.25%
Guda	31.25%
House	10.00%
Charity	2.5%

Charity: cashapp: \$universal0, venmo: @Remus-Webb

The whole process can be automated in a commercial writing tournament as an app. There are trillions of possible solutions for each of trillions of possible queries which allow for nearly unlimited gameplay. The solutions to queries are subjective and that’s why a judge is necessary for 3 or more players. Tournament Guda is chosen at random. Tournament Guda is anonymous. At least 25% of the scribes have to approve of the Guda’s chosen and enumerated subject. A game of quads, tens, hundreds, thousands, millions, billions of people in a mod 4^n tournament with their perspectives as evaluators generate group edits, evaluation of qualia, and group thought to the translation of cyphers (questions about the known or unknown), their meaning, and utilities. Add your translation to the competition through payment of an entrance fee. The shorter and most popular translation with the fastest time of translation in the tournament wins the prize for that level of game play. Popularity is created by each contestant rating the English decipherments of his own and others in the game $\{(1-3), \text{Best to Worst}\}$. The group decides on the best translations through voting by 4^n number of people in m-rounds necessary to determine the winner. Guda breaks the tie for best translation per round. If same

translation then 1st submitted wins. A Guda and Three Scribes on each level of four. Compete in n series of rounds where the winners of each pod of 4 play the other winners of the same number of consecutive wins in the tournament(not counting Gudaship) . Gudas fall out of tournament each round. Can buy in at the price for that round if they have not lost a round. Wins*#times Guda divided by number of times played is a weighting value for trust in a user's knowledge.

Level	Buy in	Credits	Guda	Buy in Safety	Winner
1	\$ 1.00	\$ 4.00	\$ 1.25	0.25	\$ 2.25
2	\$ 4.00	\$ 16.00	\$ 5.00	1.00	\$ 9.00
3	\$ 16.00	\$ 64.00	\$ 20.00	4.00	\$ 36.00
4	\$ 64.00	\$ 256.00	\$ 80.00	16.00	\$ 144.00
5	\$ 256.00	\$ 1,024.00	\$ 320.00	64.00	\$ 576.00
6	\$ 1,024.00	\$ 4,096.00	\$ 1,280.00	256.00	\$ 2,304.00
7	\$ 4,096.00	\$ 16,384.00	\$ 5,120.00	1,024.00	\$ 9,216.00
8	\$ 16,384.00	\$ 65,536.00	\$ 20,480.00	4,096.00	\$ 36,864.00
9	\$ 65,536.00	\$ 262,144.00	\$ 81,920.00	16,384.00	\$ 147,456.00
10	\$ 262,144.00	\$ 1,048,576.00	\$ 327,680.00	65,536.00	\$ 589,824.00
11	\$ 1,048,576.00	\$ 4,194,304.00	\$ 1,310,720.00	262,144.00	\$ 2,359,296.00
12	\$ 4,194,304.00	\$ 16,777,216.00	\$ 5,242,880.00	1,048,576.00	\$ 9,437,184.00
13	\$ 16,777,216.00	\$ 67,108,864.00	\$ 20,971,520.00	4,194,304.00	\$ 37,748,736.00
14	\$ 67,108,864.00	\$ 268,435,456.00	\$ 83,886,080.00	16,777,216.00	\$ 150,994,944.00
15	\$ 268,435,456.00	\$ 1,073,741,824.00	\$ 335,544,320.00		\$ 603,979,776.00

Another example of a translation of numbers is the definition of a Universal Cypher. I will use transposition of numbers, recombination of numbers (changing the order of the numerals in a number), calculation (addition, multiplication, and equality), concatenation and separation, transformation, and translation using substitution to define it. The word universal has a primary value of 9. The word cypher has a primary value of 0. Therefore the word Universal Cypher can be represented by the number 90. Using an Algorithm I have named Tri-Cuts which stands for Transposition, Recombination, Calculation, Concatenation, Transformation, Translation, Separation, and Substitution. I initialize a true mathematical statement as a double equality: 90=90=90. The first number or 1/3 in the double equality enumerates the subject. The last 2/3

of the double equality will be used to define that subject. In a language I call Numero-English, Universal Cypher is defined as:

$$\{((9.0)=((1*1)+9+(((2*4)=(6+2)).(0*2*2*3*0)))=(0+(1.((3*1)=(3+(0*1)))))+(7.7))\}$$

The section (9.0) can be redefined as 90 by substituting a [space] for the decimal and concatenating the numerals 9 and 0 into 90.

The section $((1*1)+9+(((2*4)=(6+2)).(0*2*2*3*0)))$ can be redefined as 90 by adding (1+9) to numerical computation representations of the numbers 8 and 0 $\rightarrow (8.0)=(80)$. It follows $(10+80)=90$.

The section $(0+(1.((3*1)=(3+(0*1))))+(7.7))$ can be redefined as 90 by adding 0 to a concatenation 1 and 3 which is (13) then adding to a concatenation of $(7.7)=(77)$ therefore $(13+77)=90$

The final equation is equal to the initial equation and can be proven by using the signum of each $\{(9+0)=(9+0)=(9+0)\} = \text{True}$

Substitution of the numbers with their corresponding words the sentence reads:

{A universal cypher is the production of knowledge from accounting the certainty of a behavior and the reason for certainty, as the consensus of science, experience, or belief, in a cypher for the purpose of the production of a record of data to be used for the comparison and computation of truth by an artificial consciousness.}=

$$\{((9.0)=((1*1)+9+(((2*4)=(6+2)).(0*2*2*3*0)))=(0+(1.((3*1)=(3+(0*1)))))+(7.7))\}$$

Here are the substitutions and their values:

9=Universal 0=cypher 1=production 1=knowledge 9=accounting 2=Certainty 4=behavior
6=reason 2=certainty 0=consensus 2=science 2=experience 3=belief 0=cypher 0=purpose
1=production 3=record 1=data 3=comparison 0=computation 1=truth 7=artificial
7=consciousness

Let's look closer at this definition. First the universal cypher is the production of knowledge. This knowledge is garnered from accounting of the certainty of a behavior and the reason for that certainty using the basis of the consensus of science which would be expert opinion, the consensus of experience which would be common sense opinion, and belief which is colloquial opinion. In a cypher means it will be in a language computable by an AI program. For the purpose of the production of a record of data means labeled data which can be computed by an AI. For the comparison and computation of truth by an artificial consciousness is plainly stated as the rationale for creating a Universal Cypher.

We can go further and use another algorithm based upon exponentiation and Euler's number. We will define a question in English using mathematics then calculate the answer and use the Tri-Cuts algorithm to define an answer to the question. There are more than one answer but I believe there is a finite number of combinations of substitutions which answer a query optimally.

The question is Why produce a Universal Cypher? We will use exponentiation to define this question as such: The computation of a Universal Cypher from the basis of Why?

The computation of a universal cypher is the exponent. The base is Euler's number and the calculated value is our answer to the question.

The exponent = The computation of a universal cypher = 0.90

The base = e represents the basis of Why?

The solution is 2.45960311115695

$e^{0.90}=2.45960311115695$

$e^{0.90}=\{2.45960311115695\} = \{(2.4.5.((0*1*7*7)+1*9).60.3.1.1.1.1.5.69.5)\} =$

{For certainty in the control of nature from the computation of data by an artificial consciousness and the production of order and peace because of the balance of all the needs of self and other people, but without the need of force or conflict amongst the living.}

2=Certainty 4=control 5=nature 0=computation 1=data 7=artificial 7=consciousness

1=production 9= order 60=peace 3=balance 1=need 1=self 1=people 1=need 5=force 69=conflict
5=living

The reason of why I wish to produce a Universal Cypher is for humanity to be able to have control over nature from using the computation of data by an AI and to have the subsequent production of order and peace from having a world of abundance where the needs of the individual and the populace are met without using force or conflict.

I've developed a symbolic language which is interchangeable with English but I believe it is universally applicable to all languages. A symbolic language you can do comparison and computation of variables, parse sentences and assign values to those sentences. Using the sentence structures along with the elements that make up parts of a sentence all of which are symbolically grounded along with other measurements, you can define behaviors, ethics, morals, and beliefs with commentary on all of those things by humans and AI. Given a subject, you can

reason a definition or an explanation using mathematics. I have been able to do this by using a 5000 year old code left by the Ancient Sumerians and built it into an algorithm to translate English into mathematics, calculate queries and produce answers to queries using common rules of mathematics and programming such as addition, multiplication, transposition, exponentiation, permutations, combinations, concatenation and separation.

Here are more examples of translations given a numerical cypher as a subject.

$$56=56=56$$

The nature of life is the holy purification of the spirit which is the reason for living.

$$[(5.6)]=\{(56+0)=(6.5)\}$$

$$710=017=710$$

The history of the Cypher is the contemplation on the truth of reality and consciousness learned from the experience of living.

$$[71.0]=\{(0.1.(7=7))=(7.(2*5))\}$$

$$(7+1+0)=(0+1+7)=(7+1+0)=\text{true}$$

$$66=66=66$$

Decision is from a person's judgement and the reason for their experience of a behavior in life.

$$[(66)]=\{((<1>+5).6)=((2+4).6)\}$$

$$55=55=55$$

The nature of civilization is attention to the judgement of society from both self and other people.

$$[(5.5)]=\{(55=((5.5)*1*1))\}$$

A time cypher on the respect of life from 4:26 to 4:27 turning 4:28.

@4:26-4:27.8

The respect of life is the behavior of understanding compassion with a belief in cooperation.

$$\{(4.26.4.(3*9).(3+5))\}$$

As the subject: Contemplation on the respect of life...

Subject = exponent = 0.4264278=A

Perspective = base B = 36.87 = B

Explanation = C= B^A

$$36.87^{0.4264278}=4.656643377$$

$$A=[\text{Contemplation on the respect of life...}] = 0.4264278 = (0.4.26\dots)$$

$$B = \text{From the perspective of: } 36.87 = [\text{An educated man with mastery of a degree of education as proof of knowledge}] = \{(3.6.8.(3+3+(1*1)))\}$$

$$C = \text{Is: } 4.656643377 = [\text{The control of judgement in the decision of the production of a negative behavior or not from the belief in the nurturing of consciousness without the suffering of grief.}] = \{(4.65.(66*1).(1*4).3.3.7.(3+4))\}$$

--

$$A = [\text{Contemplation on the respect of life...}] = (0.4.26\dots)$$

$$B = \text{From the perspective of: } \text{Why?} = e$$

$$C = e^{(0.4264278)} = 1.531775929 =$$

$$B^A = C = [\text{For the production of the influence of balance in the needs of consciousness by the influence of the feeling of compassion.}] = \{(1.5.3.1.77.5.92.9)\}$$

--

$$A = [\text{A contemplation on the respect of life}] = (0.4.26\dots)$$

$$B = \text{From the perspective of: } [\text{a balanced conscience with the certainty of living the contrast of both failure and triumph:}] =$$

$$C = 36.87^{0.4264278} = 6.253726979$$

$$B^A = C = [\text{Knowing gratitude for the mundane living experiences of life in harmony with love.}] = \{A = ((0.4.26\dots). B = (3.6.((2+5).(2*2*2))))\}. C = \{(6.2.53.(5+2).26.9.79)\}.$$

--

$$e^{0.62535226979} = e^{(0.6.2.53.(5+2).26.9.79)} = 1.868904199$$

$$A = \text{A computation of knowing gratitude for the mundane living experiences of life in harmony with love.}$$

$$B = \text{From the perspective of: } \text{Why?} = e$$

$$\text{Is: } 1.868904199 =$$

$$[\text{For the production of the feeling of respect between yourself and other people with the persuasion of people toward harmony, peace and joy in the production of universal order.}] = \{(1.(2*4*1*1).(68*1).9.0.4.1.9.9)\}$$

--

$$A = \text{A contemplation on harmony, peace and joy in life} = 0.9046$$

$$B = \text{From the perspective of: } \text{Why?} = e$$

$$C = e^{(0.9046)} = 2.470943348 =$$

[For the experience of the behavior of a respectful reality with the absence of conflict and straightforwardness of balance between cultures and militaries.] =

{(2.(4=4) .7.0.9.43.3.4.8)}

--

$(9/2)^{0.5050} = 2.137333631048545$

A=[A contemplation on living in peace as a philosophy]

[(0.5.0.50)]

B=From the perspective of: [Accounting of peace, within complete certainty, as being within the control of a natural force of civilization.] =

{(((9+0)/(0+2)=(4.(5=5=5))))}

C=[Triumph from the acceptance of the experience of chaos in life, and times without certainty of living or understanding the meaning of the suffering of self or other people but with complete belief in the control of all by God's wisdom and judgement.]

= {(2.1.(2+9+26).(8+(2.5)).3.6.3.(1*1).(0*3).4.8.54.5)}

In essence, the goal is to create a digital gaming platform using the Sumer-Remus substitution cypher as the kernel of a natural language computation algorithm. It will be used to define subjects, and explain why, as human individuals or teams in competition or cooperation with AI will generate commentary about each definition, and also rate each commentary and definition according to certain criteria. The process of creating subjects, defining them in English using the Sumer-Remus cypher and a text based interface will generate training data for AI to be able to define subjects or make commentary according to defined parameters and define why a subject is what it is.

If you believe this project is worthy of further attention and/or investment, please contact Remus Webb at remuswebb@gmail.com for further information and/or contribute to the cause: Cashapp=\$universal0 Venmo=@Remus-Webb Buy the digital Root Words cards on Tradebit under Root Words of the Sumer-remus Cypher.

Here is the example of a Playing/Memorization Card of the Root Words of the Sumer-Remus Cypher game.

Root Words©		
6		
Describe NUMBER	Narrative as Antonymn/ Synonymn	Mod 10 - ALPHABET
6	Knowing / Reason	6 - KA,KB
16	Conscience / Awareness	6 - LA,LB
26	Life / Action	6 - MA,MB
36	Fatherhood / Safety	6 - NA,NB
46	Meaning / Humor	6 - OA,OB
56	Loss / Motivation	6 - PA,PB
66	Ruling / Morality	6 - QA,QB
76	Punishment / Curse	6 - RA,RB
86	Release / Greed	6 - SA,SB
96	Clarity / Friendship	6 - TA,TB

- = of, / = or

of the Sumer-Remus Cypher

No creator of a meaningful phrase, a useful invention or powerful idea has the ability to control the uses to which his or her creation is put. They cannot envision what the future may hold for the thing they have put in motion.

—anneTTe gorDon-reeD