Natural Memory Embedding

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Abstract

In this research manuscript, the author has detailed a Scheme to implement '*Natural Memory Embedding*'.

Theory

With respect to author's '*Universal Recursive Scheme For Generating The Sequence Of Prime Numbers (Of 2nd Order Space)*' shown in the Blue Box Below,

Universal Recursive Scheme For Generating The Sequence Of Prime Numbers (Of 2nd Order Space)

Abstract

In this research monograph, the author presents a novel '*Universal Recursive Scheme For Generating The Sequence Of Prime Numbers (Of 2nd Order Space)*'.

Theory

One can note that we can represent any *Asymmetric Universal Recursion Scheme* as

$$\{x\} \leftrightarrow \{x-a\} \leftrightarrow \{x+b\}$$

One can simply *Normalize* it by simply doing the operation

$$\{x\} \leftrightarrow \left\{x-\left(\frac{a}{x}\right)\right\} \leftrightarrow \left\{x+\left(\frac{b}{x}\right)\right\}$$

i.e.,

$$\{x\} \leftrightarrow \left\{\frac{x^2-a}{x}\right\} \leftrightarrow \left\{\frac{x^2+b}{x}\right\}$$

Now, we consider the first three consecutive numbers starting from 0, i.e., {0, 1, 2} (that are supposed to indicate some (*Universal Recursion Scheme*) $0 \leftrightarrow 1 \leftrightarrow 2$.

We now re-write all possible 6 arrangements of $0 \leftrightarrow 1 \leftrightarrow 2$ namely:

Universal Asymmetric Recursion Scheme	***NormalizedUniversal Asymmetric Recursion Scheme*** $\{x\} \leftrightarrow \left\{\frac{x^2-a}{x}\right\} \leftrightarrow \left\{\frac{x^2+b}{x}\right\}$	***Values Of*** x, a, b	***Result***	***Finalized Pick From The Result***
$0 \leftrightarrow 1 \leftrightarrow 2$	$\{0\} \leftrightarrow \left\{\frac{(0)^2-(-1)}{0}\right\} \leftrightarrow \left\{\frac{(0)^2+2}{0}\right\}$	$x=0,\ a=-1,\ b=2$	Undefined	
$1 \leftrightarrow 2 \leftrightarrow 0$	$\{1\} \leftrightarrow \left\{\frac{(1)^2-(-1)}{1}\right\} \leftrightarrow \left\{\frac{(1)^2-1}{1}\right\}$	$x=1,\ a=-1,\ b=-1$	$1 \leftrightarrow 2 \leftrightarrow 0$	No New Prime Number To Select
$2 \leftrightarrow 0 \leftrightarrow 1$	$\{2\} \leftrightarrow \left\{\frac{(2)^2-(2)}{2}\right\} \leftrightarrow \left\{\frac{(2)^2-1}{2}\right\}$	$x=2,\ a=2,\ b=-1$	$4 \leftrightarrow 2 \leftrightarrow 3$	***3*** (Prime Number Nearest to 2)
$1 \leftrightarrow 0 \leftrightarrow 2$	$\{1\} \leftrightarrow \left\{\frac{(1)^2-(1)}{1}\right\} \leftrightarrow \left\{\frac{(1)^2+1}{1}\right\}$	$x=1,\ a=1,\ b=1$	$1 \leftrightarrow 0 \leftrightarrow 2$	No New Prime Number To Select

$0\leftrightarrow 2\leftrightarrow 1$	$\{0\}\leftrightarrow\left\{\frac{(0)^2-(-2)}{0}\right\}\leftrightarrow\left\{\frac{(0)^2+1}{0}\right\}$	$x=0,\ a=-2,\ b=1$	Undefined	
$2\leftrightarrow 1\leftrightarrow 0$	$\{2\}\leftrightarrow\left\{\frac{(2)^2-1}{2}\right\}\leftrightarrow\left\{\frac{(2)^2-2}{2}\right\}$	$x=2,\ a=1,\ b=-2$	$4\leftrightarrow 3\leftrightarrow 1$	***3*** (Prime Number Nearest to 2)

Now, noting that the next nearest *PrimeNumber* found being 3, we now use the set {0, 1, 2} given in the beginning and use its two highest {***Prime***} numbers and couple the recently found 3 to form a new set {1, 2, 3} and consequently a *Asymmetric Universal Recursion Scheme* $1\leftrightarrow 2\leftrightarrow 3$. Using the same above scheme we again find a similar table for $1\leftrightarrow 2\leftrightarrow 3$

Universal Asymmetric Recursion Scheme	***NormalizedUniversal Asymmetric Recursion Scheme*** $\{x\}\leftrightarrow\left\{\frac{x^2-a}{x}\right\}\leftrightarrow\left\{\frac{x^2+b}{x}\right\}$	***Values Of*** x, a, b	***Result***	***Finalized Pick From The Result***
$1\leftrightarrow 2\leftrightarrow 3$	$\{1\}\leftrightarrow\left\{\frac{(1)^2-(-1)}{1}\right\}\leftrightarrow\left\{\frac{(1)^2+2}{1}\right\}$	$x=0,\ a=-1,\ b=2$	$1\leftrightarrow 2\leftrightarrow 3$	No New Prime Number To Select
$2\leftrightarrow 3\leftrightarrow 1$	$\{1\}\leftrightarrow\left\{\frac{(2)^2-(-1)}{2}\right\}\leftrightarrow\left\{\frac{(2)^2-1}{2}\right\}$	$x=1,\ a=-1,\ b=-1$	$2\leftrightarrow 5\leftrightarrow 3$	***5*** (Prime Number Nearest to 3)
$3\leftrightarrow 1\leftrightarrow 2$	$\{3\}\leftrightarrow\left\{\frac{(3)^2-(2)}{3}\right\}\leftrightarrow\left\{\frac{(3)^2-1}{3}\right\}$	$x=2,\ a=2,\ b=-1$	$9\leftrightarrow 7\leftrightarrow 8$	***7*** (Prime Number greater than 5)
$2\leftrightarrow 1\leftrightarrow 3$	$\{2\}\leftrightarrow\left\{\frac{(2)^2-(1)}{2}\right\}\leftrightarrow\left\{\frac{(2)^2+1}{2}\right\}$	$x=1,\ a=1,\ b=1$	$4\leftrightarrow 3\leftrightarrow 5$	***5*** (Prime Number Nearest to 3)
$1\leftrightarrow 3\leftrightarrow 2$	$\{1\}\leftrightarrow\left\{\frac{(1)^2-(-2)}{1}\right\}\leftrightarrow\left\{\frac{(1)^2+1}{1}\right\}$	$x=0,\ a=-2,\ b=1$	$1\leftrightarrow 3\leftrightarrow 2$	No New Prime Number To Select
$3\leftrightarrow 2\leftrightarrow 1$	$\{3\}\leftrightarrow\left\{\frac{(3)^2-1}{3}\right\}\leftrightarrow\left\{\frac{(3)^2-2}{3}\right\}$	$x=2,\ a=1,\ b=-2$	$4\leftrightarrow 3\leftrightarrow 1$	No New Prime Number To Select

Now, noting that the next nearest Prime number found being 5, we now use the set {1, 2, 3} given in the beginning and use its two highest {***Prime***} numbers and couple the recently found 5 to form a new set {2, 3, 5} and consequently a *Asymmetric Universal Recursion Scheme* $2\leftrightarrow 3\leftrightarrow 5$. Using the same above scheme we again find a similar table for $2\leftrightarrow 3\leftrightarrow 5$

Universal Asymmetric Recursion Scheme	***NormalizedUniversal Asymmetric Recursion Scheme*** $\{x\}\leftrightarrow\left\{\frac{x^2-a}{x}\right\}\leftrightarrow\left\{\frac{x^2+b}{x}\right\}$	***Values Of*** x, a, b	***Result***	***Finalized Pick From The Result***
$2\leftrightarrow 3\leftrightarrow 5$	$\{2\}\leftrightarrow\left\{\frac{(2)^2-(-1)}{2}\right\}\leftrightarrow\left\{\frac{(2)^2+2}{2}\right\}$	$x=0,\ a=-1,\ b=3$	$4\leftrightarrow 5\leftrightarrow 7$	***7*** (Prime Number Nearest to 5)

$3 \leftrightarrow 5 \leftrightarrow 2$	$\{3\} \leftrightarrow \left\{\frac{(3)^2-(-2)}{3}\right\} \leftrightarrow \left\{\frac{(3)^2-1}{3}\right\}$	$x=1,\ a=-2,\ b=-1$	$9 \leftrightarrow 11 \leftrightarrow 8$	***11*** (Prime Number greater than 7)
$5 \leftrightarrow 2 \leftrightarrow 3$	$\{5\} \leftrightarrow \left\{\frac{(5)^2-(3)}{5}\right\} \leftrightarrow \left\{\frac{(5)^2-2}{5}\right\}$	$x=2,\ a=3,\ b=-2$	$25 \leftrightarrow 22 \leftrightarrow 23$	***23*** (Prime Number greater than 7)
$3 \leftrightarrow 2 \leftrightarrow 5$	$\{3\} \leftrightarrow \left\{\frac{(3)^2-(1)}{3}\right\} \leftrightarrow \left\{\frac{(3)^2+2}{3}\right\}$	$x=1,\ a=1,\ b=2$	$9 \leftrightarrow 8 \leftrightarrow 11$	***11*** (Prime Number greater than 7)
$2 \leftrightarrow 5 \leftrightarrow 3$	$\{2\} \leftrightarrow \left\{\frac{(2)^2-(-3)}{2}\right\} \leftrightarrow \left\{\frac{(2)^2+1}{2}\right\}$	$x=0,\ a=-3,\ b=1$	$4 \leftrightarrow 7 \leftrightarrow 5$	***7*** (Prime Number Nearest to 5)
$5 \leftrightarrow 3 \leftrightarrow 2$	$\{5\} \leftrightarrow \left\{\frac{(5)^2-2}{5}\right\} \leftrightarrow \left\{\frac{(5)^2-3}{5}\right\}$	$x=2,\ a=2,\ b=-3$	$25 \leftrightarrow 23 \leftrightarrow 22$	***23*** (Prime Number greater than 7)

Now, noting that the next nearest Prime number found being 7, we now use the set {2, 3, 5} given in the beginning and use its two highest {***Prime***} numbers and couple the recently found 7 to form a new set {3, 5, 7} and consequently a *Asymmetric Universal Recursion Scheme* $3 \leftrightarrow 5 \leftrightarrow 7$. Using the same above scheme we again find a similar table for $3 \leftrightarrow 5 \leftrightarrow 7$ and can consequently find the next Prime Number to be 11.
We can keep repeating the aforementioned scheme many, many times so on, so forth and can generate the entire '*SequenceOfPrimeNumbers*' up to a desired limit.

the author replaces, the set $\{0,1,2\}$ by the *Given Sequence Of Triplet Not Containing Zero And Arranged In Ascending Order*, say $\{\alpha_1, \alpha_2, \alpha_3\}$ and considers the cases of

$\alpha_2 \leftrightarrow \alpha_1 \leftrightarrow \alpha_3$

and

$\alpha_2 \leftrightarrow \alpha_3 \leftrightarrow \alpha_1$

and use the above Scheme to find α_4.

which will be *Nearest* ***Common*** *Outcome* of the above considered cases when the author's above mentioned Scheme is implemented on each. In a similar fashion, we can keep generating α_5, α_6, ..., $\alpha_{(n-1)}$, α_n by considering $\{\alpha_{i-1}, \alpha_i, \alpha_{i+1}\}$ and considering the cases

$\alpha_i \leftrightarrow \alpha_{i-1} \leftrightarrow \alpha_{i+1}$

and

$\alpha_i \leftrightarrow \alpha_{i+1} \leftrightarrow \alpha_{i-1}$

and use the above Scheme to find α_{i+2}.

which will be *Nearest* ***Common*** *Outcome* of the above considered cases $\alpha_i \leftrightarrow \alpha_{i-1} \leftrightarrow \alpha_{i+1}$ and $\alpha_i \leftrightarrow \alpha_{i+1} \leftrightarrow \alpha_{i-1}$ when the author's above mentioned Scheme is implemented on each, for any $1 \le i \le n$.

We now consider a Given Sequence, say
$\{\beta_1, \beta_2, \beta_3, \beta_4, \beta_5, ..., \beta_{m-1}, \beta_m\}$
Considering $\{\beta_1, \beta_2, \beta_3\}$, using the above Scheme and find β_4'.
We also note the ratio $\frac{\beta_4}{\beta_4'} = k_1$
Considering $\{\beta_2, \beta_3, \beta_4\}$, using the above Scheme and find β_5'.
We also note the ratio $\frac{\beta_5}{\beta_5'} = k_2$
Similarly,
Considering $\{\beta_{m-3}, \beta_{m-2}, \beta_{m-1}\}$, using the above Scheme and find β_m'.
We also note the ratio $\frac{\beta_m}{\beta_m'} = k_{m-3}$
Now, the Set $\{k_1, k_2, k_3, k_4, k_5, ..., k_{m-4}, \beta_{m-3}\}$
Characterizes the Evolution Set of the given Sequence $\{\beta_1, \beta_2, \beta_3, \beta_4, \beta_5, ..., \beta_{m-1}, \beta_m\}$. This Evolution Set is with Respect to the Evolution Set of the Sequence of Prime Numbers.
We now again Compute the Evolution Set of the thusly computed Evolution Set $\{k_1, k_2, k_3, k_4, k_5, ..., k_{m-4}, \beta_{m-3}\}$. We again keep computing the Evolution Set of this new Evolution Set, and so on so forth, till we reach an Evolution Set that has only three elements. This *Three Element Set* can be called as the *Recursion Scheme* of the originally given Set
$\{\beta_1, \beta_2, \beta_3, \beta_4, \beta_5, ..., \beta_{m-1}, \beta_m\}$.

Using this thusly computed *Three Element Set*, One can follow the *Reverse* (*Inverse*) *Procedure* stated in the Yellow Box above and can *Generate* the *Whole*

Set From Its *Three Element Set Recursion Scheme*. Using this *Reverse Procedure*, one can even *Embed Memory Optimally* and in the most *Natural Fashion*, i.e., one can implement ***Natural Memory Embedding***.

Some additional Information from author's '*Universal Recursive Scheme To Generate The Sequence Of Primes Of Any Order {Say, R^{th}} Space*'

Universal Recursive Scheme To Generate The Sequence Of Primes Of Any Order {Say, R^{th}} Space

Abstract

In this research manuscript, the author has detailed a '*Universal Recursive Scheme To Generate The Sequence Of Primes Of Any Order {Say, R^{th}} Space*'.

Theory

Firstly, we present a *Definition*,

Definition

The First Prime of any R^{th} Order Space Sequence Of Primes can be Computed by simply considering *Consecutively (R-1) Number of Primes of 2^{nd} Order Space Sequence Of Primes*, *starting* from the *First Prime of 2^{nd} Order Space Sequence Of Primes*, i.e., *2* and *Forming a Product Term of the Form* $\overbrace{\left\{2\times3\times5\times7\times\ldots\ldots\ldots\ldots\left\{p_{(R-3)}\right\}\times\left\{p_{(R-2)}\right\}\times\left\{\left(p_{(R-1)}\right)\right\}\right\}}^{(R-1)\ Number\ Of\ Product\ Forming\ Factors}$ which becomes the *First Prime of any R^{th} Order Space Sequence Of Primes* as it *cannot* be *factored in terms of R Number of Unique Factors*. We *Label* this *Number*as ${}^{R}p_{1}$.

The Second Prime of any R^{th} Order Space Sequence Of Primes can be Computed by simply considering *Consecutively (R-1) Number of Primes of 2^{nd} Order Space Sequence Of Primes*, *starting* from the *First Prime of 2^{nd} Order Space Sequence Of Primes*, i.e., *2* and *Forming a Product Term of the Form* $\overbrace{\left\{2\times3\times5\times7\times\ldots\ldots\ldots\ldots\left\{p_{(R-3)}\right\}\times\left\{p_{(R-2)}\right\}\times\left\{\left(p_{(R)}\right)\right\}\right\}}^{(R-1)\ Number\ Of\ Product\ Forming\ Factors}$ which becomes the *Second Prime of any R^{th} Order Space Sequence Of Primes* as it *cannot* be *factored in terms of R Number of Unique Factors*. We *Label* this *Number*as ${}^{R}p_{2}$.

The Third Prime of any R^{th} Order Space Sequence Of Primes can be Computed by simply considering *Consecutively (R-1) Number of Primes of 2^{nd} Order Space Sequence Of Primes*, *starting* from the *First Prime of 2^{nd} Order Space Sequence Of Primes*, i.e., *2* and *Forming a Product Term of the Form* $\overbrace{\left\{2\times3\times5\times7\times\ldots\ldots\ldots\ldots\left\{p_{(R-3)}\right\}\times\left\{p_{(R-2)}\right\}\times\left\{\left(p_{(R+1)}\right)\right\}\right\}}^{(R-1)\ Number\ Of\ Product\ Forming\ Factors}$ which becomes the *Second Prime of* *any* R^{th} *Order Space Sequence Of Primes* as it *cannot* be *factored in terms of R Number of Unique Factors*. We *Label* this *Number*as ${}^{R}p_{3}$.

We also note that the above denoted $p_{(R-i)}$ is an$(R-i)^{th}$ *Prime of Sequence Of Primes of 2nd Order Space*.
We now consider the thusly computed First Three Consecutive Primes of R^{th} Order Space, i.e., ${}^{R}p_{1}$, ${}^{R}p_{2}$, and ${}^{R}p_{3}$and*Follow Author's 'Universal Recursive Algorithmic Scheme To Generate The Sequence Of Primes {Of Second (2nd) Order Space}'* to *Generate the Complete Sequence Of Primes Of* R^{th}*Order Space, Up To Any Desired Limit*.

Conclusion
One can note that the *ElementsBelonging* to the above type of Computed *Sequences Of Primes Of Higher Order Space(s)* have *Significance* in *Forming*and/ or *Understanding Higher Order Dimensional Manifestations* that can be *Envisioned*and/ or *Modeled*by using these elements to form our *Primality Set*, i.e., *Hyper-Primality Set*of *Any Aspect* ofconcern *Spanning* its *Manifestations Through Higher Order Space(s)* as well.
Moral
A Hungry Man Knows Best About Where And How To Find Food.

Conclusion

One can note that using this Scheme one can Scale any Local Infinity. Also, using the Evolution Function, one can Optimize any Sequence of concern. Also, One can Find *The Three Element Set Recursion Scheme Of Any Set* of concern. Also, conversely, one can *Generate the Entire Given Set from the Sets' Three Element Recursion Scheme*. Also, one can even *Embed Memory Optimally* and in the most *Natural Fashion*, i.e., one can implement ***Natural Memory Embedding***.

Note: For *Holistic Analysis* of the above, please refer to author's '*Primality Tree Analysis*' {in the References} as well.

Moral

Fulfillment Of Promise Is Character And Character Forms Our Life Story.

References

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OTHER PUBLICATIONS

1. **'Quantification Of The Criterion For Corrosion Onset'**pp (1277-1284) Corrosion and Its Control: Proceedings of International Conference on Corrosion CORCON '97 A NACE International Conference, Nehru Centre, Mumbai, India, 3-6 December 1997, Elsevier Science Ltd Publishers, Vol. II, (1997) pp. 1067-1073, ISBN 13: **9780444829160**ISBN 10: 0444829164
2. **'Corrosion Of Galvanized Reinforcement Bars Due To An Electrothermodynamic Parameter: Pyroelectricity**'pp (238-242) Proceedings of "International Conference on Maintenance and Durability of Concrete Structures: March 4 - 6, 1997", Hyderabad, India.ISBN 8173710686, ISBN 9788173710681.

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arXiv Publications at http://www.arxiv.org/abs/1009.3809v1
Cornell University LibraryarXiv.org**>**cs**> arXiv:1009.3809v1**
Computer Science > Data Structures and Algorithms

1. **One, Two, Three and N Dimensional String Search Algorithms**

Ramesh C. Bagadi
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Dedication

All of the aforementioned Research Works, inclusive of this One are ***Dedicated to Lord Shiva****.*