Generation Of Elements Forming A Complete Recursive Set On The Higher And Lower Side {From And Up To Specified Limits} Of A Three Distinct Element Set

January 18th 2016 Anno Domini

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White Paper One {TRL96}
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Abstract

In this research manuscript, the author has detailed a Scheme for '*Generation Of Elements Forming A Complete Recursive Set On The Higher And Lower Side {Up To A Specified Limit} Of A Three Distinct Element Set*'.

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 $1 \leq i \leq n$ for the Elements on the Higher Side of α_1

Here the Limit, we have considered is $1 \leq i \leq n$

for the Elements on the Higher Side of α_1

The thusly found Elements, Conform to the Restriction of Belonging to a Complete Recursive Set, on the Higher Side with Limit $1 \leq i \leq n$ and Starting from α_1.

To compute the Elements that conform to the Restriction of Belonging to a Complete Recursive Set, on the Lower Side (upto a certain Limit) and Starting from α_1, and going on the Lower Side, we use the following Scheme:

Firstly, we use the following Triplet of Numbers

$\{\alpha_0, \alpha_1, \alpha_2\}$

where, α_0 is a Variable and we run our above Scheme detailed in the Blue-Box and find α_0 for the Result of the Scheme being α_3 which is already known. In the same fashion, we keep finding the Complete Recursive Set Elements on the Lower Side of α_1 till a specified Limit, say α_{-m}. Note that the minus Sign is just an Indicator for numbering elements lower than α_0. Here, the Lower Limit, we have considered is α_{-m}, i.e., $-m$.

Conclusion

One can note that one can Generate Elements from a Distinct Three Element Set (Arranged In Ascending Order) that Conform to the Restriction of Belonging to a Complete Recursive Set, on the Higher Side and Lower Side with

Limit $1 \le i \le n$

and Starting from α_1 and

For

the Lower Limit, α_{-m}, i.e., $-m$.

Moral

Fulfillment Of Good Promise Is A Good Virtue.

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
(Submitted on 20 Sep 2010 (this version))

Acknowledgements

The author would like to express his deepest gratitude to all the members of his loving family, respectable teachers, en-dear-able friends, inspiring Social Figures, highly esteemed Professors, reverence deserving Deities that have deeply contributed in the formation of the necessary scientific temperament and the social and personal outlook of the author that has resulted in the conception, preparation and authoring of this research manuscript document.

Tribute

The author pays his sincere tribute to all those dedicated and sincere folk of academia, industry and elsewhere who have sacrificed a lot of their structured leisure time and have painstakingly authored treatises on Science, Engineering, Mathematics, Art and Philosophy covering all the developments from time immemorial until then, in their supreme works. It is standing on such treasure of foundation of knowledge, aided with an iota of personal god-gifted creativity that the author bases his foray of wild excursions into the understanding of natural phenomenon and forms new premises and scientifically surmises plausible laws. The author strongly reiterates his sense of gratitude and infinite indebtedness to all such '<u>Philosophical Statesmen</u>' that are evergreen personal librarians of Science, Art, Mathematics and Philosophy.

Dedication

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