Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

E-Newsletter Issue no 44 dated 27-11-2014
For previous issues and further more information visit at www.vedicganita.org

‘Credit goes to Swami Bharti Krshna Tirtha Ji Maharaj to focus the attention of present generation about the values of Ganita Sutras (mental Mathematics Sutras)’

All are invited to join Awareness program

All are warmly invited to join the awareness program of Vedic Mathematics. All teachers, parents and students are invited to Learn and Teach Vedic Mathematics for proper intelligence growth at School.

Dr. S. K. Kapoor
Sh. Rakesh Bhatia
Sh. Bhim Sein Khanna
Sh. Deepak Girdhar
- Organizers

ISSUE NO 44

Page
1. Vedic mathematics, Science & Technology (Source Scripture) Satrudra Samhita 1-4
2. News and Views 5-10

Sri Om (Sri Om)

Shiv Puran (Shiv Puran)

Vedic Mathematics, Science & Technology

SOURCE SCRIPTURE

शतरुद्र शाङ्किता
Sattrudra Samhita

====================================
1. शतरुद्र शाङ्किता Satrudra Samhita is of third placement amongst the range of seven samhitas of Shiv Puran text.
2. (शत) Shat literally means hundred
3. TCV (शत) = 3+ 5 = 8 =2³.
4. TCV (शतरुद्र) = 28 = 1 + 2 + 4 + 7 + 14; a second perfect number, accepting 5 proper divisors (1, 2, 4, 7, 14)
5. Along format of hyper cube 5 accepting domain – boundary ratio as A²: 10B⁴, at second step leads to 10 x 10 = 100 boundary components set up.
6. Here it would be relevant to note that 5-space accepts the role of origin fold of hyper cube 4 being a four fold manifestation layer (2, 3, 4, 5), it as such in case of 10 x 10 = 100 boundary components set up, shall be of the feature of 100 origin (folds) of transcendental (5-space) seats.
7. The focus of शतरुद्र शाङ्किता Satrudra Samhita is upon this feature of the set up being of 100 transcendental (5-space) domain seats.
8. Further the focus of शतसृद्ध संहिता Satrudra Samhita is upon the re-organization of 100 = 42 + 58.

9. One may have a pause here and have a fresh visit to the values format of this pair of artifices (42, 52) both being the double digit numbers. Of these, artifice 42 accepts digit 2 at unit place and digit 4 at next place value.

10. The artifices pair (4, 2) is of the format of (domain, dimension), as much as that (4-space) accepts a spatial dimensional order (2-space in the role of dimension of 4-space which, that way play the dominant roles of domain and dimension folds of four fold manifestation layer of hyper cube 4 being (2, 3, 4, 5).

11. The above referred second artifice, namely (58) as well is a double digit artifice with unit place value digit being 8 and next place value digit being 5. One may have a pause here and take note that the digit 8 accepts re-organization as 8 = 5 + 3, and that artifices pair (5, 3) is parallel to the format and values features of 5-space as domain fold and 3-space as its dimension fold of four fold manifestation layer (3, 4, 5, 6) of hyper cube 5.

12. The organizational chase of शतसृद्ध संहिता Satrudra Samhita is going to be parallel to the sequential setups of hyper cubes 4, 5 and 6 respectively.

13. One may have a pause here and have a fresh look at the format and features of hyper cubes 4, 5 and 6 which may be symbolically figurated as:

14. Hyper cube 4 is of the format and features of 4-space as domain fold being wrapped within solid boundary of 8 components. With it, hyper cube 4 accepts 9 versions.

15. Parallel to it, 4-space accepts 9 geometries range.

16. Of these, five geometries are non negative geometries.

17. Parallel to this format of 5 non negative geometries and total 9 geometries ranges, is the chase of शतसृद्ध संहिता Satrudra Samhita of 5 incarnations of Lord Shiv and 9 incarnations of Lord Shiv.

18. Thereafter, parallel to the transition from the set up of hyper cube 4 to the set up of hyper cube 5, there is a chase of incarnations of transcendental (5-space) lord.

19. Then, शतसृद्ध संहिता Satrudra Samhita chases 28 incarnations of transcendental (5-space) lord Shiv is chased is of two phases and stages. The first phase and
stage is of 10 incarnations. This is parallel to 10 creative (4-space) components of boundary of hyper cube 5.

20. The second phase and stage is of 11th to 28th incarnation of transcendental (5-space) lord. These range of 18 incarnations is parallel to the four fold manifestation layer (3, 4, 5, 6) of hyper cube 5 as of summation value 3 + 4 + 5 + 6 = 18.

21. Here it also would be relevant to note that artifice 28 = 1 + 2 + 4 + 7 + 14 is of the summation value of precisely 5 proper divisors of 28.

22. Further here it also would be relevant to note that the above ranges of 5, 9, 10, 18 incarnations together constitute a range of 42 incarnations.

23. शतरूप सहिता Satrudra Samhita text further takes up the transition features range of incarnation parallel to the transition range from the set up of hyper cube 5 to that of hyper cube 6.

24. शतरूप सहिता Satrudra Samhita, in the end as chapter 42 touches the transcendental (5-space) Phenomenon of (i) द्वादश ज्योतिर्लिंग अवतार Dwadash Jyotirling Avtar (twelve transcendental (5-space) incarnations), which are of the format of 12 transcendental (5-space) components of the boundary of hyper cube 6.

25. कोटिरूप सहिता Kotirudra Samhita, which is of 4th placement of the range of seven samhitas of Shiv Puran text takes up the subject, in continuity of the subject aspects uptill which the same has been carried in last 42nd chapter of द्वादश ज्योतिर्लिंग अवतार Dwadash Jyotirling Avtar

26. The format of hyper cube 6 is of the features of four fold manifestation layer (4, 5, 6, 7).

27. Seven space as origin fold of 6-space is parallel to the format of pole star as origin of solar universe (Sun).

28. The seven space as domain fold is of the format of hyper cube 7 being of format and features of four fold manifestation layer (5, 6, 7, 8) with summation value 5+ 6 + 7 + 8 = 26, which is parallel to 26 meters range of coverage range Earth to Sun.

29. This is a range of transcendental (5-space) dimensional order,

30. One may have a pause here and take note that the transcendental (5-space) dimensional order, as such shall be manifesting transcendental (5-space) boundary for Sun (6-space) / Solar universe.

31. This transcendental (5-space) flow from origin fold of 6-space / Sun and its manifestation as transcendental (5-space) boundary is the Phenomenon which deserve to be chased thoroughly.

32. One may have a pause here and take note that Sun (6-space) is of a creative 4-space dimensional order.

33. The fountaining inn of transcendental (5-space) order from 7-space in the role of origin fold of 6-space as such would amount to the super imposition of
transcendental (5-space) order upon the creative (4-space) order of the self referral (6-space) domain of domain fold of hyper cube 6.

34. One may further have a pause here and take note that Shad Chakras (six eternal circuits) format of Human Frame, with transcendental (5-space) order flow from core of Sun as Sunlight of 7 streams of transcendental (5-space) features shall be fountaining transcendental (5-space) order from sixth eternal chakra of human frame and thereby there would be a transition and transformation for Shad Chakra (sixth chakra format) of our Existence Phenomenon within Human Frame into ten chakras format parallel to ten components of creative boundary (4-space) of transcendental (5-space) domain.

35. With it, the chase of organization format, features, values and virtuous of शत्रुद्ध सहिता Satrudra Samhita becomes a transcendental (5-space) chase.

36. This chase, as such deserve to be of equal dedication and attention. The same is to be of gentle steps appropriately phased and to be sequentially followed the way these have been phased from first to the last chapter of the text.

* 

27-11-2014

Dr. S. K. Kapoor, (Ved Ratan)
News and Views

Invitation for participation in
Vedic Mathematics textbooks project

INVITATION

1. We are undertaking the project of settling Vedic Mathematics text books for schools.
2. This project is for settlement of text books of Vedic Mathematics for classes eight to twelfth.
3. Text book for each class would be of three parts
   Part – 1 ‘Vedic Mathematics for class VIII’
   (likewise for class 9, class 10, class 11 and class 12)
   Part – 2 ‘Vedic Mathematics exercises for class VIII’
   (likewise for class 9, class 10, class 11 and class 12)
   Part – 3 ‘Teaching and evaluation manual of Vedic Mathematics for class VIII’
   (likewise for class 9, class 10, class 11 and class 12)
4. Each sutra and Upsutra would be taken up in separate section exclusively devoted to particular Sutra / Upsutra.
5. This way in all, there would be 29 sections for coverage of all the sixteen Sutras and 13 Upsutras.
6. Participants may contribute for all the 29 sections but each Sutra and Upsutra shall be taken up as independent aspect of values of mathematics as every Sutra values are to be covered in distinct section.
7. The intellectual contribution of participants shall be duly recognized and same shall be properly respected.
8. In the light of this theme, we shall be making separate requests for each sutra and upsutra.

Request of participation about the values of Ganita Upsutra 5
वेष्टनम् ।
Osculators

1. We feel privileged to request all to participate in our project of Vedic Mathematics text books for classes eight to twelfth.
2. We request you all to participate and contribute your intellectual inputs about the values of Ganita Upsutra 5.
3. Also contribute about the values of Ganita Upsutra 5 as being complemented and supplemented by the values of other Sutras and Upsutras.
4. We shall be highly thankful for this participation and contribution.
5. We shall be duly recognizing this participation and contribution of intellectual inputs about the values of Ganita Upsutra 5.
6. We shall be highly being our respects and thanks in recognition of the intellectual inputs of participants.
7. It is a noble cause.
8. Please participate.

27-11-2014
Sh. Rakesh Bhatia
Sh. Bhim Sein Khanna
Sh. Deepak Girdhar
- Organizers

(CHAPTER FROM BOOK ‘VEDIC MATHEMATICS (ORGANIZATION FORMAT OF GANITA SUTRAS) OF DR. S. K. KAPOOR )

GANITA UPSUTRA-5 वेष्टनम्
SHIFT FROM 10 PLACE VALUE
TO 6 PLACE VALUE

1. The organization format of Ganita Upsutra-5 वेष्टनम् as eight steps long range reorganizing as four pairs manifesting as values of four concentric circles around the center equal to its value.
2. It is like the range of nine numerals pairing four fold around the middle numeral value ‘5’.
3. The pairing feature of the formulation वेष्टनम् is centered around value ‘6’, and as such there is a shift from ten place value to a 6 place value.
4. It would be a blissful exercise to organize $6 \times 6 = 36$ values of 6 place value system as $5 \times 7$ matrix formats for its double digit numbers.
5. Taking the ‘0’ as a place value and ‘1, 2, 3, 4, 5’ as numerals, the set of double digit numbers of 6 place value would permit organization as follows:-

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>02</td>
<td>03</td>
<td>04</td>
<td>05</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>25</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>34</td>
<td>35</td>
<td>40</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>100</td>
</tr>
</tbody>
</table>
6. Likewise it would further be a blissful exercise to extend this format for triple digit numbers as well. It shall be constituting range of 6 x 6 x 6-1=215 value points.

7. To appreciate the working simultaneously in terms of 6 place value format and 10 place value format, it would be appropriate work out the comparative tables.

8. The comparative table for double digit numbers of 6 place value and 10 place value shall be as follows

<table>
<thead>
<tr>
<th>10 PV</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
<th>09</th>
<th>10</th>
<th>11</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 PV</td>
<td>01</td>
<td>02</td>
<td>03</td>
<td>04</td>
<td>05</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10 PV</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
<th>22</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 PV</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10 PV</th>
<th>23</th>
<th>24</th>
<th>25</th>
<th>26</th>
<th>27</th>
<th>28</th>
<th>29</th>
<th>30</th>
<th>31</th>
<th>32</th>
<th>33</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 PV</td>
<td>35</td>
<td>40</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10 PV</th>
<th>34</th>
<th>35</th>
<th>36</th>
<th>37</th>
<th>38</th>
<th>39</th>
<th>40</th>
<th>41</th>
<th>42</th>
<th>43</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 PV</td>
<td>54</td>
<td>55</td>
<td>100</td>
<td>101</td>
<td>102</td>
<td>103</td>
<td>104</td>
<td>105</td>
<td>110</td>
<td>111</td>
</tr>
</tbody>
</table>

9. One may have a pause here and reflect as that the expression value ‘06’ along 10 place value becomes ‘10’ along 6 place value.

10. Likewise, the value 36=6² of 10 place value becomes 100=10 x 10 for the 6 place value.

11. One shall perfect one’s skills for conversions from 10 place value format expressions into 6 place value format expression and vice-versa.

12. Here in the context 5 = 6-1, 4 = 6-2, 3= 6-3, shall be availed to reduce the numerals of values of ‘4’ & ‘5’ for their handling in terms of lesser range negative and positive numerals (0, 1, 2, 3, -3, -2, and -1). Like the bigger numerals of 10 place value system namely 6=10-4, 7 =10-3, 8=10-2 and 9 =10-1 can be handled in terms of lesser value range negative and positive numerals (0, 1, 2, 3, 4, 5, -5, -4, -3, -2, -1).

13. One shall have a pause here and have a fresh look at the following organization format for double digit numbers of 6 place value system.

<table>
<thead>
<tr>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>24</td>
<td>25</td>
<td>30</td>
<td>31</td>
<td>32</td>
</tr>
<tr>
<td>33</td>
<td>34</td>
<td>35</td>
<td>40</td>
<td>41</td>
</tr>
<tr>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>50</td>
</tr>
<tr>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
</tr>
</tbody>
</table>

14. One shall be observing that the self reflecting artifices (11) and (22) shall be constituting a mirror line for the upper half part of the above format and the self reflecting artifices (33, 44 and 55) shall be constituting a mirror line for the lower part of the format.
15. The upper part shall be pairing artifices as follows
   (i) (01, 10)
   (ii) (02, 20) and self reflecting artifice (11)
   (iii) (03, 30) and (12, 21)
   (iv) (04, 40) and (13, 31), and self reflecting artifice (22)
   (v) (05, 50) and (14, 41), and (23, 32)
16. The lower part of the above format shall be pairing artifices as follows
   (i) (15, 51), (24, 42) and self reflecting artifice (33)
   (ii) (25, 52) and (34, 43)
   (iii) (35, 53) and self reflecting artifice (44)
   (iv) (45, 54)
   (v) (55) self reflecting artifice
17. One shall be observing that the upper part has precisely 20 numbers grouped as 9 pairs and 2 self reflected artifices.
18. The lower part has precisely 15 numbers grouped as 6 pairs and 3 self reflecting artifices.
19. It would be a blissful exercise to compare these 15 reflection pairs and 5 self reflecting artifices of 6 place value system with the corresponding 10 place values.
20. The comparative table shall be as under:

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Comparative Value</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>07</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09</td>
<td>6 PVF</td>
<td>10 PVF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
15 and 20 are like $3 \times 5$
And $4 \times 5$

11 and 31 are like Transcendence at the Second
place

18 and 26 are like pairing Of $(3, 4, 5, 6)$ with $(5, 6, 7, 8)$

17 and 32 is like $16+1$
And $16 \times 2$

22 and 27 is like $(4, 5, 6, 7)$
And $(3 \times 3 \times 3)$

23 and 33 is like sequential increase/decrease at first
place

29 and 34 is like NVF (BLACK)
and NVF (DARK)

21. Now if the above 15 pairings would have been the pairing as such for 10
place value system then these would have been of NVF formats as follows

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>RP 10 PVF</th>
<th>RP 06 PVF</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>(01, 10)</td>
<td>01, 14</td>
</tr>
<tr>
<td>02</td>
<td>(02, 20)</td>
<td>02, 32</td>
</tr>
<tr>
<td>03</td>
<td>(03, 30)</td>
<td>03, 50</td>
</tr>
<tr>
<td>04</td>
<td>(12, 21)</td>
<td>20, 33</td>
</tr>
<tr>
<td>05</td>
<td>(04, 40)</td>
<td>04, 64</td>
</tr>
<tr>
<td>06</td>
<td>(13, 31)</td>
<td>09, 51</td>
</tr>
<tr>
<td>07</td>
<td>(05, 50)</td>
<td>05, 82</td>
</tr>
<tr>
<td>08</td>
<td>(14, 41)</td>
<td>22, 65</td>
</tr>
<tr>
<td>09</td>
<td>(23, 32)</td>
<td>35, 52</td>
</tr>
<tr>
<td>10</td>
<td>(15, 51)</td>
<td>23, 63</td>
</tr>
<tr>
<td>11</td>
<td>(24, 42)</td>
<td>40, 70</td>
</tr>
<tr>
<td>12</td>
<td>(25, 52)</td>
<td>41, 84</td>
</tr>
<tr>
<td>13</td>
<td>(34, 43)</td>
<td>54, 71</td>
</tr>
<tr>
<td>14</td>
<td>(35, 53)</td>
<td>55, 85</td>
</tr>
<tr>
<td>15</td>
<td>(45, 54)</td>
<td>73, 90</td>
</tr>
</tbody>
</table>

22. Illustrative cases: Case 1 (01, 10)
Here '0' is the place value and '1' is the first numeral. The double digit
expression 01 and 10 swap their places and as such constitute a reflection
pair.
As such in every place value system, (other than that of '1' place value
system itself where the place value and first, infact the only numeral,
would have common placement), the availability of distinct place value and
distinct numeral (numerals) shall be accepting double and higher digit
expressions, and as such their would follow the $(n-1) \times (n+1)$ format for all
values of n and accordingly 01=1 and 10=n shall be constituting a pairing
(1, n) in terms of which the corresponding measuring rods shall be having on repeated application, starting afresh with '1'.

23. Illustrative cases: Case 2  (45, 54)
   This for ten place value format, is for partitioning of the biggest numerals (9) as 4 & 5 and a swapping of places for them. And this reflection pair (45, 54) emerges to be the end placement of the mirror line of self reflecting artifices of the upper part of the matrix format for the double digit numbers of ten place value system.
   In case of largest numeral even, there shall be a self reflecting artifice like for 7 place value system, the biggest numeral would be 6 which would split as 3 and 3 and so the self reflecting artifices 33 as well as 66.
   However in case of 6 place value system, the biggest numeral shall be 5 and it shall be proving split as
2 and 3 and the corresponding reflection pair (23, 32) shall be along the mirror line of self reflecting artifices of the upper part of the matrix format.

23. One shall have a pause here and think about the another feature of osculation whereby the squares values sequence unfold along 2 x n matrix format for all values of n. Sequentially as 2 x 2, 3 x 3, 4 x 4 and so on.

24. Matrix 2 x 2=4  $2^2$ is a four numbers expression:
   \[
   \begin{array}{cc}
   00 & 01 \\
   \end{array}
   \begin{array}{c}
   =04 \text{ as sum of 4 numbers of matrix} \\
   \end{array}
   \begin{array}{cc}
   01 & 02 \\
   \end{array}
   \]

25. Matrix 2 x 3=6  is a six numbers expression:
   \[
   \begin{array}{ccc}
   00 & 01 \\
   01 & 02 \\
   \end{array}
   \begin{array}{c}
   =09=3^2 \text{ as sum of 6 numbers of matrix} \\
   \end{array}
   \begin{array}{cc}
   02 & 03 \\
   \end{array}
   \]

26. Matrix 2 x 4=8  is a eight numbers expression:
   \[
   \begin{array}{cccc}
   00 & 01 \\
   01 & 02 \\
   03 & 04 \\
   \end{array}
   \begin{array}{c}
   =16=4^2 \text{ as sum of 8 numbers of matrix} \\
   \end{array}
   \begin{array}{cc}
   02 & 03 \\
   \end{array}
   \]

27. Matrix 2 x 5=10 is a ten numbers expression:
   \[
   \begin{array}{ccccc}
   00 & 01 \\
   01 & 02 \\
   03 & 04 \\
   04 & 05 \\
   \end{array}
   \begin{array}{c}
   =25=5^2 \text{ as sum of 10 numbers of matrix} \\
   \end{array}
   \begin{array}{cc}
   02 & 03 \\
   \end{array}
   \]

28. The use of osculation with format of square within circle and circle within square and likewise sphere within cube and cube within sphere is to be availed to reach at the value of $\Pi$ uptill 33 places of decimal with a self contained master key, as pointed and announced by Swami Bharti Krishna Tirtha Ji Maharaj while preserving 32 places values in blocks of 16 values for $\Pi/10$ as under
   \[
   \begin{array}{cccccccccccccccc}
   .3 & 1 & 4 & 1 & 5 & 9 & 2 & 6 & 5 & 3 & 5 & 8 & 9 & 7 & 9 & 3 \\
   2 & 3 & 8 & 4 & 6 & 2 & 6 & 4 & 3 & 3 & 8 & 3 & 2 & 7 & 9 & 2 \\
   \end{array}
   \]

*