

Vedic Mathematics, Science & Technology course

**PART – XIV
ARTIFICE 14**

(Chase steps 85, 86, 87, 88, 89 & 90)

Chase Step – 85

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SELF REFERRAL BOUNDARY OF 14 COMPONENTS

1. Reach at hyper cube 7 as manifestation layer (5, 6, 7, 8) is a transcendence phenomenon (5-space) within creator's space (4-space).
2. This reach is a reach of transcendental dimensional order (5-space) in the role of dimension.
3. Transcendental dimensional order (5-space in the role of dimension) takes to 1-space in the role of its dimension of dimension. Transcendental domain structuring unity state (7-

space) set up and transcendental domain itself being of the reach to its dimension of dimension level along the format of 1-space, is the phenomenon which deserves to be chased.

4. It is the self referral boundary (6-space in the role of boundary of unity state (7-space) which is of prime focus for the existence phenomenon within our solar universe (6-space universe) which accepts pole star (7-space) as its origin folds.
5. The split of self referral boundary (6-space as boundary) of unity state (7-space) / hyper cube 7, that way becomes our basic concern. This, this way, firstly brings to focus the values of artifice (14).
6. Artifice 14, that way becomes our basic artifice of chase which shall be taking us uptill the self referral boundary (6-space as boundary of unity state (7-space) / pole star).
7. Ancient wisdom has chased artifice 14 for organization of pure and applied values of knowledge. There are
 - i. 14 boundary components of hyper cube 7
 - ii. 14 Maheshwara Sutras
 - iii. 14 Manu
 - iv. 14 Bhuwan
 - v. 14 Videshwar Samhita mantras

Chase Step – 86
HYPER CUBE 7

1. Hyper cube 7 manifests unity state content as its domain fold.
2. One way to chase unity state domain is to have chase in terms of parallel pair of quadruple values namely (1, 3, 5, 7) and (2, 6, 10, 14).
3. Another way to chase unity state is as a unity range (1, 2, 3, 4, 5, 6, 7) as a pair of manifestation layers (1, 2, 3, 4) and (4, 5, 6, 7).

4. Still another way to chase unity state may be in terms of 4 x 4 matrix format for simultaneous chase in terms of 4 consecutive manifestation layers

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 2 | 3 | 4 | 5 |
| 3 | 4 | 5 | 6 |
| 4 | 5 | 6 | 7 |

However it would be a quarter by a quarter chase for four quarters and fifth quarter (additional quarter) projection from artifice value $7 \times 4 = 28$ to $7 \times 5 = 35$. This feature of having 5th quarter value as unmanifest chase, in a way is a chase a step ahead of a chase in terms of 3 manifest quarters and 4th quarter remaining unmanifest as extension from artifice value $7 \times 3 = 21$ to $7 \times 4 = 28$. Here re-organization of artifice value $21 = 1 + 2 + 3 + 4 + 5 + 6$ as 6 sequential steps brings to focus the three quarters chase availing artifice value 6 parallel to 6 as the first perfect number.

5. The chase of hyper cube 7, sequentially is of following phases and stages.

| Sr | H1 | H2 | H3 | H4 | H5 | H6 | H7 |
|----|----|----|----|-----|-----|-----|------|
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | 1 | 3 | 6 | 10 | 15 | 21 | 28 |
| 3 | 1 | 4 | 10 | 20 | 35 | 56 | 84 |
| 4 | 1 | 5 | 15 | 35 | 70 | 126 | 210 |
| 5 | 1 | 6 | 21 | 56 | 126 | 252 | 462 |
| 6 | 1 | 7 | 28 | 84 | 210 | 462 | 924 |
| 7 | 1 | 8 | 36 | 120 | 330 | 792 | 1716 |

6. The chase of unity state domain (7-space) as a Sathapatya measuring rod of hyper cubes 1 to 7 parallel to sequential values of column no 1 to 7 above will take us to prominent features of unity state.

7. Ultimately the reach would be in terms of unity range values of column no 7 which comes to be (1, 7, 28, 84, 210, 462, 924, 1716).
8. The re-organization of above range values as (1x 1), (7x 1), (7x 4), (21x 4), (21 x 10), (22 x 21), (22 x 42), (22 x 78).
9. It would a blissful exercise to chase above 7 unity state ranges of columns no 1 to 7 to have insight about the structural set up of hyper cubes 7.

Chase Step – 87

14 MAHESHWARA SUTRAS

1. Maheshwara Sutras are 14 organized as:

- i. अ इ उ ण्
- ii. ऋ लृ क्
- iii. ए ओ ङ्.
- iv. ऐ औ च्
- v. ह य व र ट
- vi. ल ण्
- vii. ज म ङ् ण न म्
- viii. झ भ ञ
- ix. घ ढ् ध ष्
- x. ज ब ग ड द श्
- xi. ख फ छ ठ थ च ट त व्
- xii. क प य
- xiii. श ष स र
- xiv. ह ल

2. These Sutras are organized as values and format of 42 letters of Devanagiri alphabet.

3. This organization is of 9 vowels and 33 consonants.

4. The formulation 'महेश्वर' 'Maheshwara' preserves the organization code of values and formats of the Sutras. The formulation 'मह' leads us to TCV (म) = 9 + 1 = 10 and TCV (ह) = 9 + 1 = 10.
5. The artifices pair (9+1, (9,1), firstly takes us to the summation value 20 which is parallel to the TCV (वेद) = 20 and further it is parallel to the dimensional synthesis value of quadruple dimension of any order being $[(n+ (n+2)+6+(12-2n)] = 20$.
6. Secondly, the artifices pair (9+1, 9+1) takes us to artifices pair (9, 9) with summation value $9+9 = 18$ which is parallel to 18 natural components of the boundary of Brahman domain (9-space) which provide formats for organization of 18 Vidya (Discipline of knowledge), as well as for the formats of 18 Purans.
7. Thirdly, the artifices pair (9+1, 9+1) as (9, 9) further leads to artifice 9 firstly being parallel to 9 geometries range of 4-space and secondly it being parallel to 9 -space as origin fold of the manifestation layer of self referral dimensional order (6-space in the role of dimension)
8. One may have a pause here and permit the transcending mind to be face to face with this feature of 9 geometries range for 4-space and 9-space playing the role of dimension fold of the manifestation layer (6, 7, 8, 9) of hyper cube 8 .
9. This as such shall be leading us to the artifices pair (4, 6) and parallel to it spaces (4-space, 6-space) which otherwise are coordinated as dimension fold and domain fold of manifestation layer (4, 5, 6, 7) of hyper cube 6.
10. It is this reach for the hyper cubes pair (hyper cube 6, hyper cube 8) which are coordinated as dimension fold and domain fold of the manifestation layer (H6, H7, H8, H9), a

manifestation layer with its each fold itself being a manifestation layer.

11. This feature of reach from a manifestation layer to manifestation layer with folds themselves being manifestation layers, is the reach which deserves to be chased availing the format of hyper cube 4 accepting solid boundary of eight components appreciating that 4-space is a spatial dimensional space and $4 = 2^2$ and $9 = 3^2$.

12. These features will lead us to an organization values code for Devnagri alphabet of 50 letters (9 vowels, 33 consonants and 8 yama letters) as under:

Organization code value for 9 vowels

6 7 8 9 10 11 12 13 14

Organization code value for $5 \times 5 = 25$ consonants

10 11 12 13 14
15 16 17 18 19
20 21 22 23 24
25 26 27 28 29
30 31 32 33 34

This code values format transit and transforms into following code values format for $5 \times 5 = 25$ consonants.

14 15 16 17 18
18 19 20 21 22
22 23 24 25 26
26 27 28 29 30
30 31 32 33 34

Organization code value for 8 remaining consonants

35 26 37 38
39 40 41 42

Organization code value for 8 yama letters

| | | | |
|----|----|----|----|
| 43 | 44 | 45 | 46 |
| 47 | 48 | 49 | 50 |

13. The chase of organization of 14 Maheshwara Sutras in the light of transcendental code values and further in terms of organization code values as above will provide us insight about the operational rules of Maheshwara Sutras.
14. The organization code values will help us work out the unity state (7-space) of transcendental dimensional order (5-space) in terms of measuring rod of 5-space which for its repetitive applications will begin and count sixth step as the first step as is the organization code value for the first vowel. The organization code value for the first consonant is 10 which is the summation value of quadruple artifices (1, 2, 3, 4). This is parallel to the manifestation layer (1, 2, 3, 4) of linear order hyper cube 3. This is a step ahead of 0 order hyper cube 2 as manifestation layer (0, 1, 2, 3) of summation value $(0+1+2+3) = 6$ of organization code value of first vowel.
15. It would be a blissful exercise to have a chase of Maheshwara Sutras as per TCV code values and organization code values. Illustratively Maheshwara Sutra 1 shall be leading to quadruple artifices (1, 2, 3, 7) as per the TCV code values. The quadruple artifices (1, 2, 3, 7) leads to the limit of linear dimensional order set up of 3-space having seven geometries range.
16. The organization code value shall be leading to quadruple artifices (6, 7, 8, 23) focusing upon the features of reach for 6-space in terms of 26 meters / chandas and parallel to it the reach of first perfect number (6) along artifices range (1 to 26) which accepts 23 as the biggest prime and also that it is the tenth prime

17. Further illustratively, it would be blissful to be face to face with organization code values of formulation 'कल्प' Kalap which comes to be कल्प= 10+6 +37 + 30 + 6= 89 which is parallel to /NVF (unity) = 89
18. Further it also would blissful to be face with the organization code values of formulation 'मनु' manu OCV (मनु) = 34 +6 + 30 + 8 = 78 which is parallel to NVF (Ambrosia)
19. Further it would be blissful to be face to face with organization code values for formulations 'कल्पः' Kalap and 'मनुः' manu
 OCV 'कल्पः' = 137
 OCV 'मनुः' = 126
20. The artifice 137 is of unique value and format which sequentially avails artifices 1, 3 and 7 which accept coordination as linear order of 3-space accepting 7 geometries range
21. The artifice 126 as well is of unique value and features as much as that $126 = 6 (1+2+3+4+5+6)$
22. Still further it also would be relevant to note that $137 - 126 = 11$ which is parallel to 11 geometries range of 5-space.

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Chase Step - 88
 14 VIDESHWAR MANTRAS

1. Videshwara Samhita covers basic features of transcendental domains.
2. It settles following 14 formulations

| Sr | Formulation | No of Sub formulations | Total |
|----|-------------|------------------------|-------|
| 1 | ॐ हरि नमः | 3 | 3 |

| | | | |
|----|--------------------|---|----|
| 2 | ॐ नमः | 2 | 5 |
| 3 | ॐ क्लीम नमः | 3 | 8 |
| 4 | ॐ ही नमः | 3 | 11 |
| 5 | ॐ ही नमः | 3 | 14 |
| 6 | ॐ ही हु नमः | 4 | 18 |
| 7 | ॐ हु नमः | 3 | 21 |
| 8 | ॐ हु नमः | 3 | 24 |
| 9 | ॐ ही हु नमः | 4 | 28 |
| 10 | ॐ ही नमः | 3 | 31 |
| 11 | ॐ ही हु नमः | 4 | 35 |
| 12 | ॐ क्रो क्षौ रौ नमः | 5 | 40 |
| 13 | ॐ ही नमः | 3 | 43 |
| 14 | ॐ नमः | 2 | 45 |

3. The above 14 formulations are availing only following eight basic sub formulations namely

| Sr | Sub Formulation | Frequency of Occurrence | Total |
|----|-----------------|-------------------------|-------|
| 1 | ॐ | 14 | 14 |
| 2 | नमः | 14 | 28 |
| 3 | हरिम | 8 | 36 |
| 4 | क्लीम | 1 | 37 |
| 5 | हुं | 5 | 42 |
| 6 | क्रौ | 1 | 43 |
| 7 | क्षौ | 1 | 44 |
| 8 | रौ | 1 | 45 |
| | | 45 | |

4. This leads to 14 formulations, 8 sub formulations of frequency ranges (14, 14, 8, 1, 5, 1, 1, 1) which in sequential arrangement would get organized as frequencies range (14, 14, 8, 5, 1, 1, 1, 1) that way the focus of these formulations and sub formulations including their frequency of occurrence focus upon the quadruple artifices (14, 8, 5, 1) total summation value $14 + 8 + 5 + 1 = 28$.

5. The transcendental code value for above eight sub formulations comes to be as under :

| Sr | Sub Form. | Letters of The text | Value | Total Value |
|----|-----------|---------------------|--------------|-------------|
| 1 | ॐ | ॐ | 16 | 16 |
| 2 | नमः | न्, अ, म्, अ, : | 8+1+9+1 + 13 | 32 |
| 3 | हरीम | ह्, र्, ई, म् | 9+1+4+ 9 | 23 |
| 4 | क्लिम | क्, ल्, ई, म् | 1+5+4+9 | 19 |
| 5 | लुं | ह्, उ, म् | 9+3+9 | 21 |
| 6 | क्रौं | क्, र, औ, म् | 1+1+9+9 | 20 |
| 7 | क्षौं | क् ष्, औ म् | 1+6+9+9 | 25 |
| 8 | रौं | र् औ म् | 3+9+9 | 21 |
| | | | | |

6. The transcendental code value for above 14 formulations comes to be as under

| Sr | Formulation | Transcendental Code value | Total | Grand Total |
|----|----------------------|---------------------------|-------|-------------|
| 1 | ॐ हरि नमः | 16+23+32 | 71 | 71 |
| 2 | ॐ नमः | 16+32 | 48 | 119 |
| 3 | ॐ क्लीम नमः | 16+19+32 | 67 | 186 |
| 4 | ॐ ही नमः | 16+23+32 | 71 | 257 |
| 5 | ॐ ही नमः | 16+23+32 | 71 | 328 |
| 6 | ॐ ही हु नमः | 16+23+32 | 71 | 399 |
| 7 | ॐ हु नमः | 16+21+32 | 69 | 468 |
| 8 | ॐ हु नमः | 16+21+32 | 69 | 537 |
| 9 | ॐ ही हु नमः | 16+23+21+ 32 | 92 | 629 |
| 10 | ॐ ही नमः | 16+23+32 | 71 | 700 |
| 11 | ॐ ही हु नमः | 16+23+21+ 32 | 92 | 792 |
| 12 | ॐ क्रो क्षौं रौं नमः | 16+ 20+25+21+32 | 114 | 906 |
| 13 | ॐ ही नमः | 16+23+32 | 71 | 977 |
| 14 | ॐ नमः | 16+32 | 48 | 1025 |
| | | | | |

7. The transcendental code values for above 14 formulations are of the sequential range (48 occurring 3 times, 67 occurring once, 69 occurring twice, 71 occurring 6 times, 92 occurring once and 114 occurring once).
8. The emerging range of artifices is (48, 67, 69, 71, 92, 114) with total summation value 461.
9. The above 14 formulations accepting 8 sub formulations are availing only following letters

| Sr | Formulation | Transcendental Code value |
|----|-------------|---------------------------|
| 1 | ॐ | 16 |
| 2 | अ | 1 |
| 3 | ई | 4 |
| 4 | औ | 9 |
| 5 | क् | 1 |
| 6 | प् | 6 |
| 7 | न् | 8 |
| 8 | म् | 9 |
| 9 | - | 1 |
| 10 | र् | 3 |
| 11 | ल् | 5 |
| 12 | ह् | 9 |
| 13 | . | 9 |
| 14 | : | 13 |
| | | |

Chase Step – 89
14 BHUWAN

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1. The formulation 'Bhuwan' is of transcendental code value TCV (Bhuwan) = 8 + 3 + 7 + 1 + 8 + 1 = 28 which is parallel to the value of 28 as second perfect number.

2. It is the attainment of the order of second perfect number.
3. This attainment is of the unity state of hyper cube 7 / 7-space / summation value of artifices range (1, 2, 3, 4, 5, 6, 7) with summation value (1+2+3+ 4 +5+6+7=28)
4. Being the unity state (1, 2, 3, 4, 5, 6, 7), it accepts self referral range (6-space in the role of boundary) of 14 components.
5. The chase of self referral domain of 14 components with each component being a distinct phase and stage of attainment, as such each of these 14 states are designated as 'Bhuwan'.
6. Ancient wisdom chases it as 12 syllables mantra (ॐ नमो भगवते वासदेवाय).
7. The sequential chase of this mantra takes us through 12 phases and stages sequentially arranged as syllables of this formulation:
 - i. ॐ
 - ii. न
 - iii. मो
 - iv. भ
 - v. ग
 - vi. व
 - vii. ते
 - viii. वा
 - ix. स
 - x. दे
 - xi. वा
 - xii. य
8. The transition from 12 components range of transcendental boundary of 6-space to 14 components range of self referral boundary (6-space) of unity state (7-space) is the feature of reaching unity state of 7 steps in terms of six manifested steps self referral stage.

9. It is the phase and stage of attainment of self referral domain (6-space) which ahead plays the role of boundary of 14 components of unity state (7-space)
10. 6-space in the role of boundary brings into operation a Sathapatya measuring rod synthesised by hyper cubes 1 to 6 as self referral range (1, 2, 3, 4, 5, 6) with summation value $1+2+3+4+5+6=21$ which is parallel to TCV (मनु) = 21.
11. One may have a pause here and permit the transcending mind to be face to face with formulation (मनु). This chase will focus upon super imposition of 'म्' upon the formulation 'अनु'. This is parallel to super imposition of value 9 upon format value 12.
12. One may have a pause here and have a fresh look at artifices pair (9, 12) which admits re-organization as (3x3, 3 x4). This is parallel to the format of three manifest quarters of their own leading to fourth unmanifest quarter.
13. Further it also would bring us face to face with TCV (म) = 9 parallel to 9 geometries range of 4-space, which plays the role of dimension of 6-space and 6-space as dimension fold taking to 9-space as origin fold of unity state.
14. One may have a pause here and permit the transcending mind to face to face with this organization of 14 (मनु) structuring self referral boundary (6-space) of 14 components of unity state (7-space)
15. This 14 manu organization is the organization of 14 Manus occupying 14 Bhuwans.

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Chase Step – 90
14 MANU

1. Self referral boundary of 14 components as 14 Bhuvans occupied by 14 Manus is of the values of existence range of the age of Brahma, the creator.
2. The organization of age of Brahma the creator as of the order and value of 14 kalap is parallel to the age and existence of all the fourteen manus.
3. Ancient wisdom preserves organization of one kalap as of 14 manus range as under :

| Sr | Name of Manu | Rishis of Manu | Devtas of Manu |
|---------------------------------------|--------------|--|--|
| Previous/ past six Manavanater | | | |
| 1 | स्वायम्भुव | मरीचि, अत्रि, अडिगरा, पुलह, ऋतु, पुलस्त्य, वसिष्ठ | आग्नीध्र, अग्निबाहु, मेध्य, मेधातिथि, वसु, ज्योतिष्मान्, घृतिमान्, हव्य, सबल और पुत्र |
| 2 | स्वारोचिष | प्राण, बृहस्पति, दत्तात्रेय, अत्रि, च्यवन, वायुप्रोक्त तथा महाव्रत | हविर्ध्रं, सुकृति, ज्योति, आप, मूर्ति, प्रतीत, नभस्य, नभ तथा उर्ज |
| 3 | उत्तम | वसिष्ठ तथा हिरण्यगर्भ के तेजस्वी पुत्र उर्ज | इष, उर्ज, तनूर्ज, मधु, माधव, शुचि, शुक्र, सह, नभस्य तथा नभ |
| 4 | तामस, | काव्य, पुथु, अग्नि, जहु, धाता, कपीवान् और अकपीवान् | घृति, तपस्य, सुतपा, तपोभूत, सनातन, तपोरति, अकल्माष, तन्वी, धन्वी और पंरतप |
| 5 | रैवत | देवबाहु, यदुध्र, वेदशिरा, हिरण्यरोमा, पर्जन्य, सोमनन्दन उर्ध्वबाहु तथा अत्रिकुमार सत्यनेत्र | धृतिमान्, अव्यव, युक्त, तत्वदर्शी, निरुत्सुक, आरण्य, प्रकाश, निर्मोह, सत्यवाक्, और कृती |
| 6 | चाक्षुष | भृगु, नभ, विवस्वान्, सुधामा, विरजा, अतिनामा और सहिष्णु | नाड्वलेय नामसे प्रसिद्ध रुरु आदि |

| Present Manvantar | | | |
|------------------------|--|---|--|
| 7 | वैवस्वत | अत्रि, वसिष्ठ, कश्यप, गौतम, भरद्वाज, विश्रवामित्र तथा जमदग्नि | साध्य, रुद्र, विश्वेदेव, वसु, मरुद्गण, आदित्य और अश्रिवनीकुमार |
| Future seven Manvantar | | | |
| 8 to 13 | सावर्णि, भौत्य, रौच्य, मेरुसावर्ण्य १, मेरुसावर्ण्य २, मेरुसावर्ण्य ३, मेरुसावर्ण्य ४ | | |

4. Age of Brahma, the creator is of value parallel to 432000 revolutions of Earth around Sun. It is further parallel to the range of 432000 syllables of Rigved.
5. The organization of artifice $432000 = 24 \times 18 \times 1000 = (6 \times 4) \times (6 \times 3) \times (10 \times 10 \times 10)$.

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