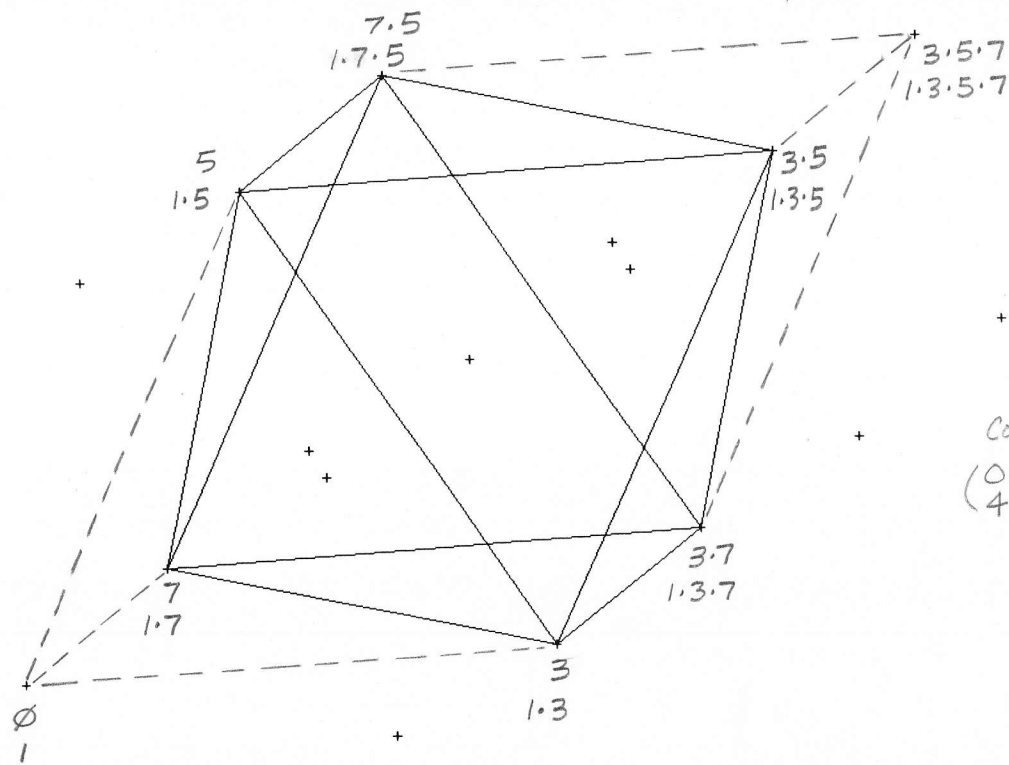
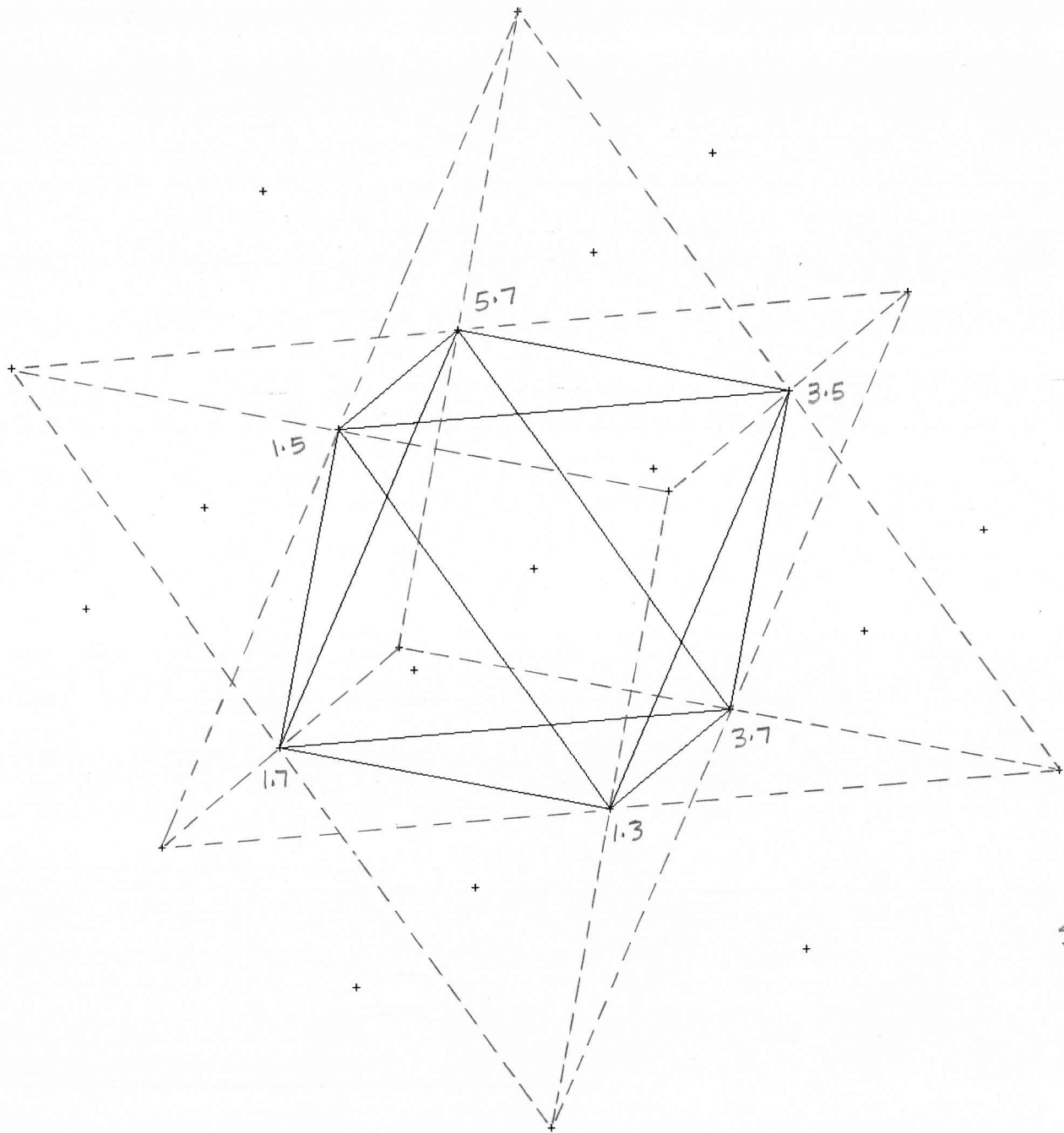


Hexany

EWILSON-HEVANY



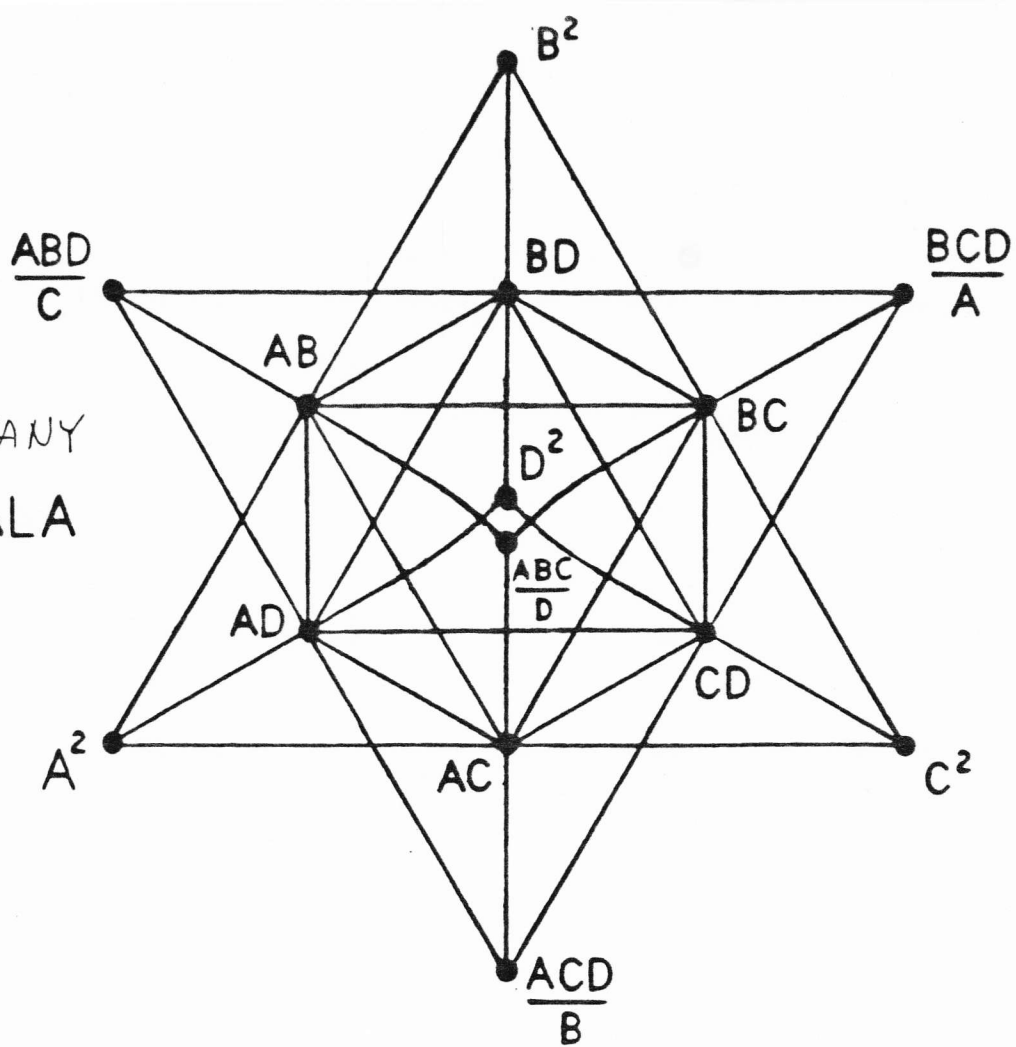
Combination product-set series
 $\binom{0}{4}$ Thru $\binom{4}{4}$ 1.3.5.7



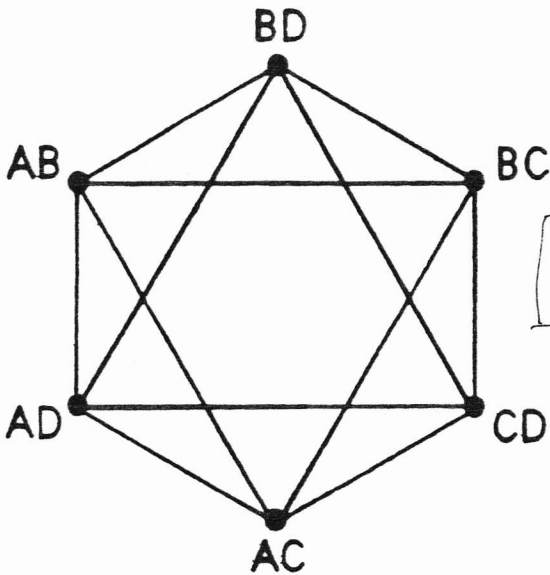
Stellate Hexang

EWILSON-HEVANY
©1987 by Eric Wilson

STELLATE HEXANY
MANDALA

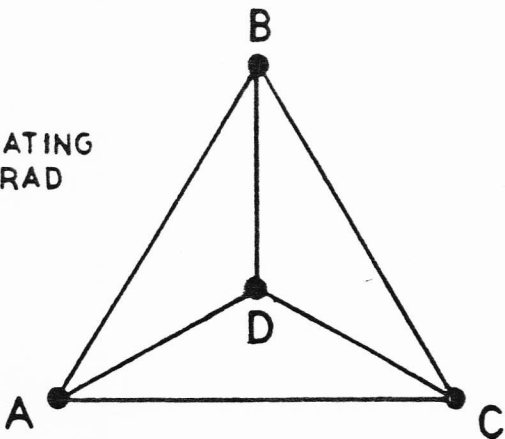


A-B-C-D
HEXANY

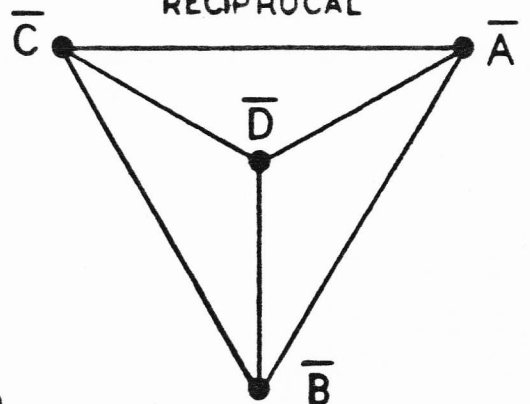


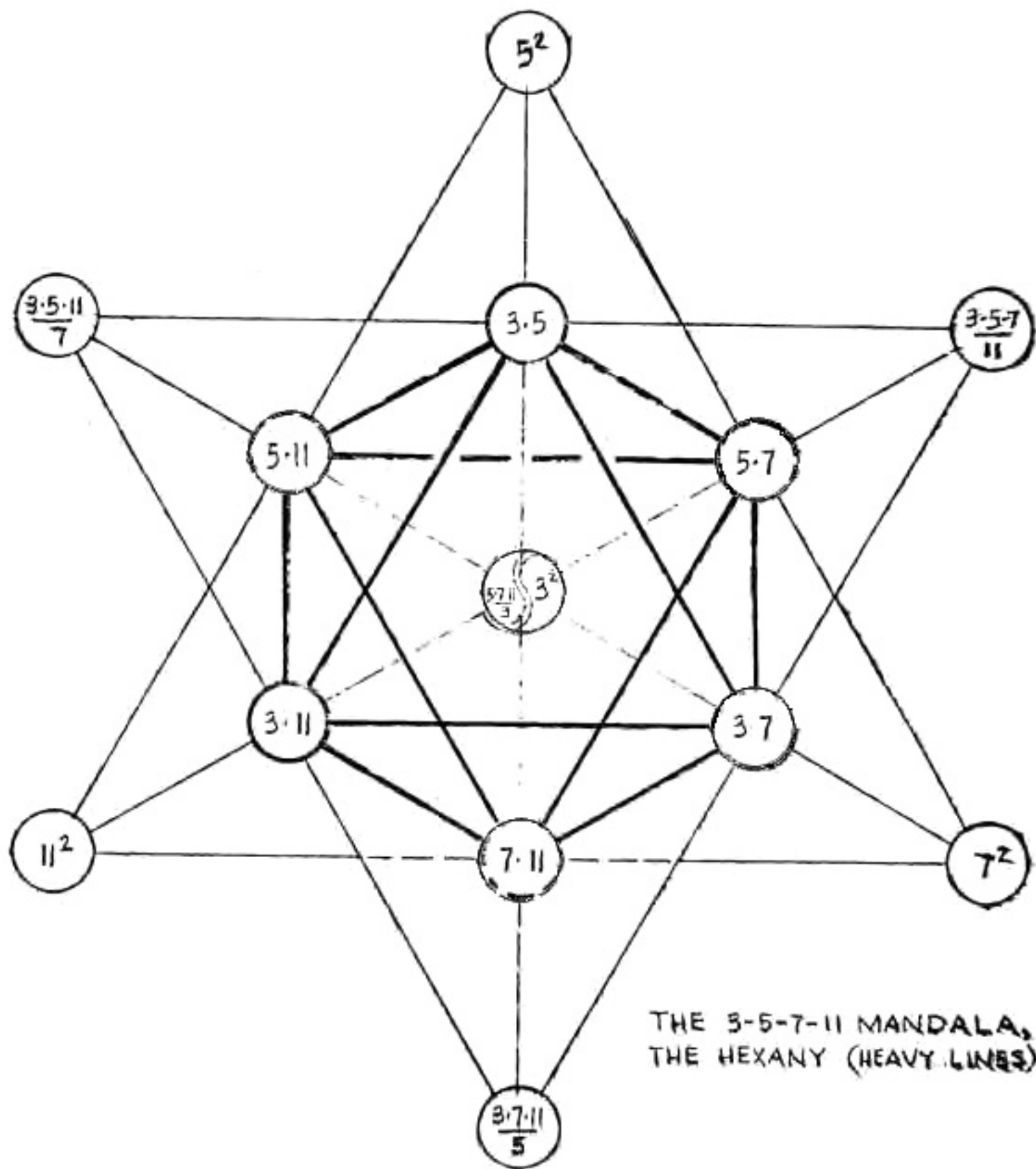
$$\left[\begin{matrix} 2 \\ 4 \end{matrix} \right] A \cdot B \cdot C \cdot D$$

GENERATING
TETRAD



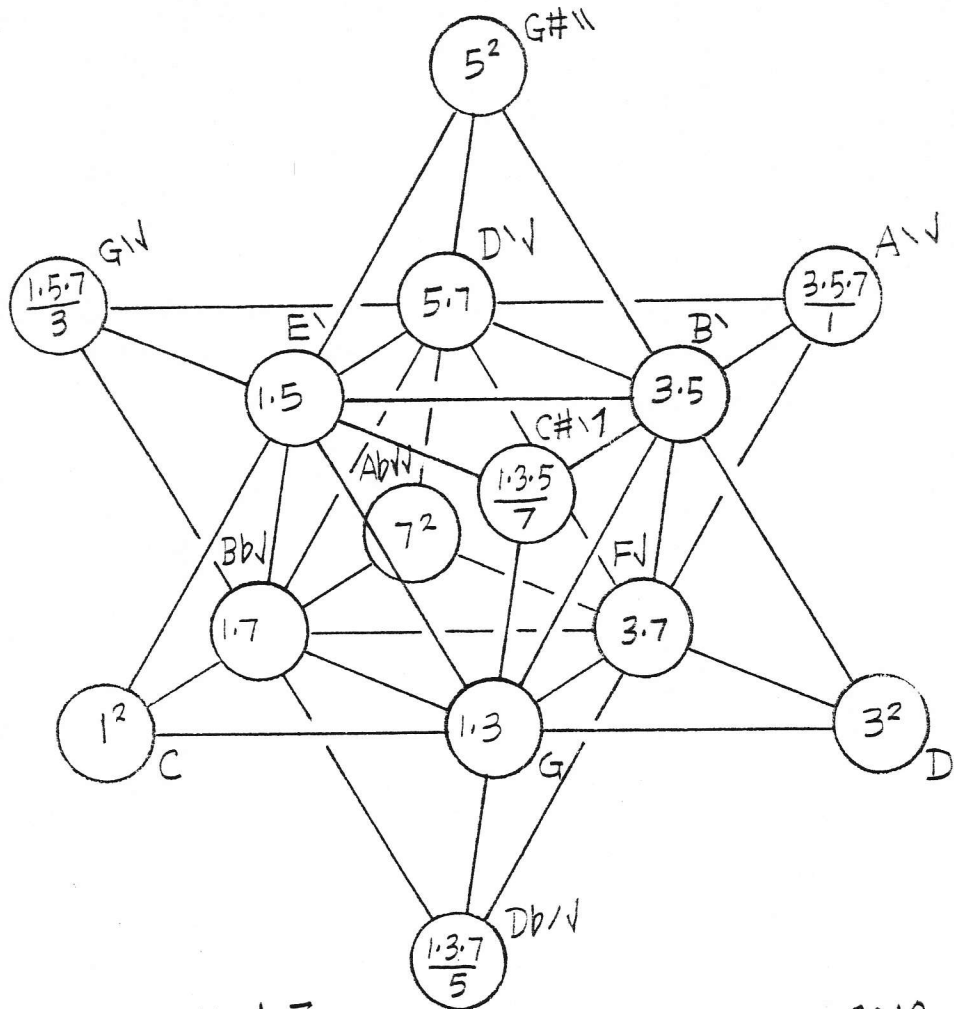
RECIPROCAL





THE 3-5-7-11 MANDALA,
THE HEXANY (HEAVY LINES)

ISSUED BY ERV WILSON
27 JAN 1967



C#1	E1	G	B1	7
E1	G11	Bb1	D11	3
G	Bb1	Db11	F1	5
B1	D11	F1	A11	1
7	3	5	1	

$$\# = \frac{2187}{2048}$$

$$/ = \frac{81}{80}$$

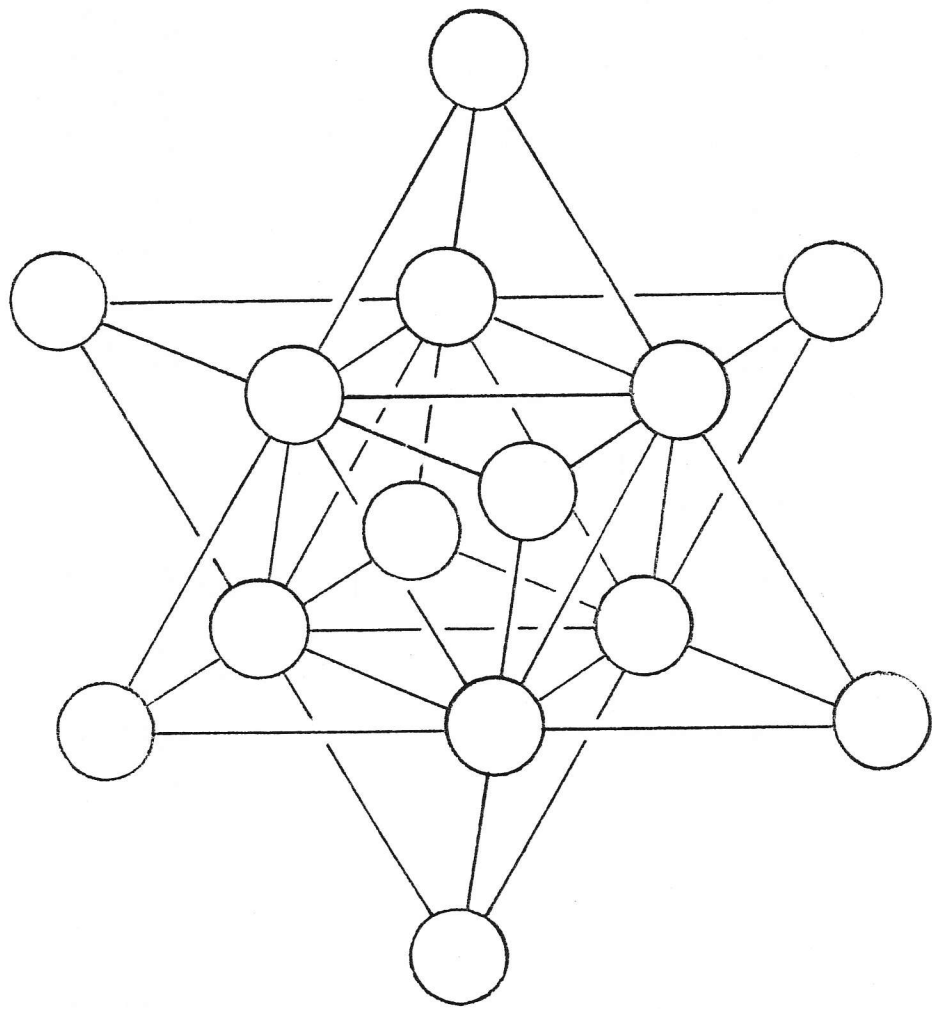
$$\backslash = \frac{64}{63}$$

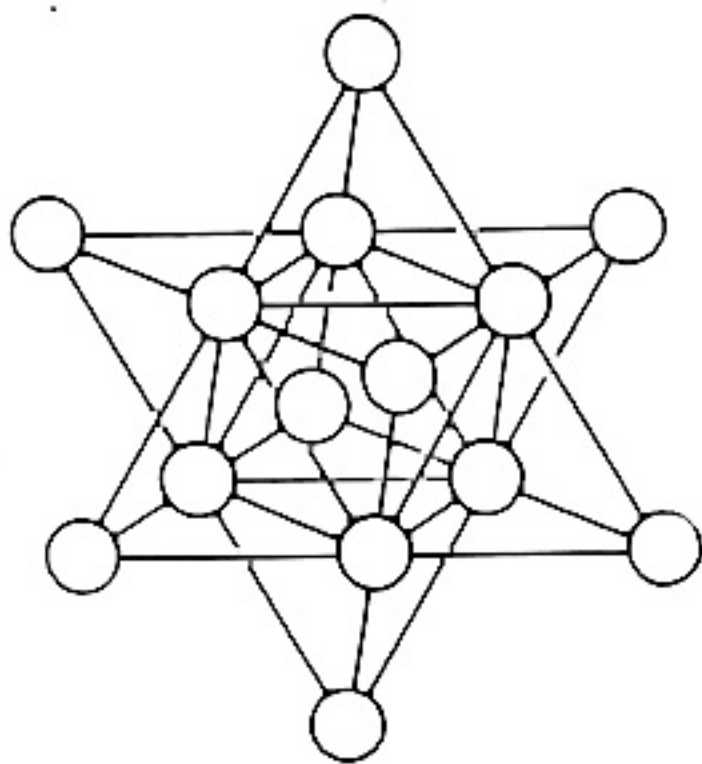
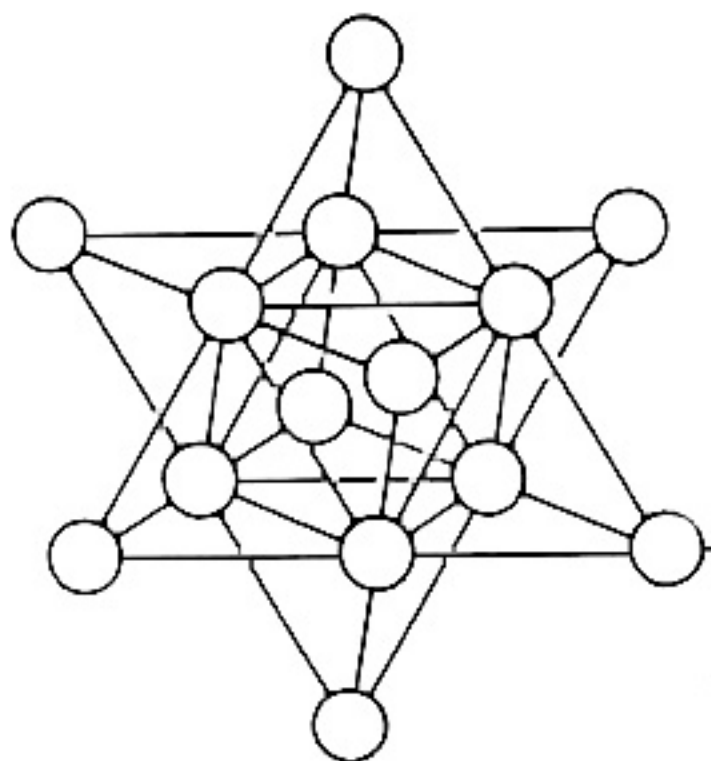
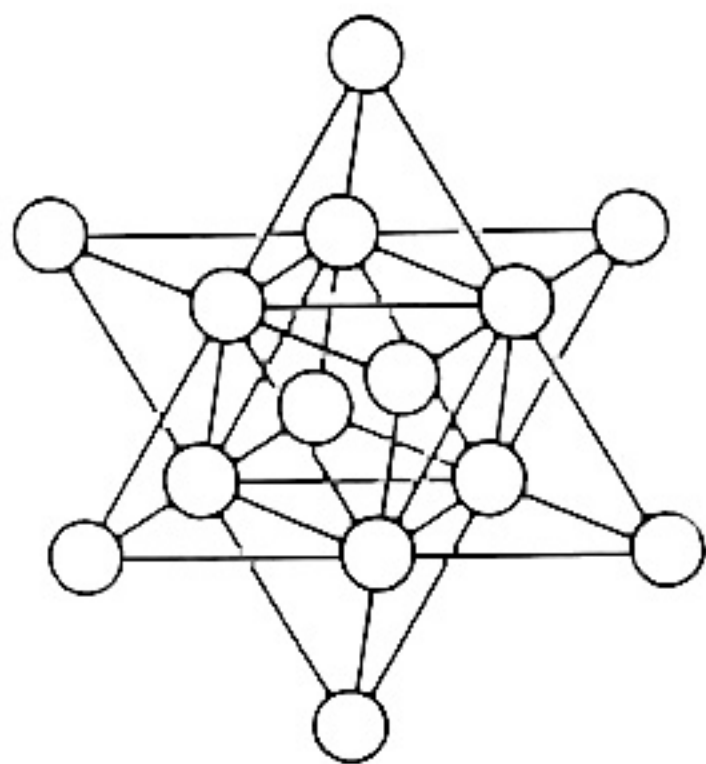
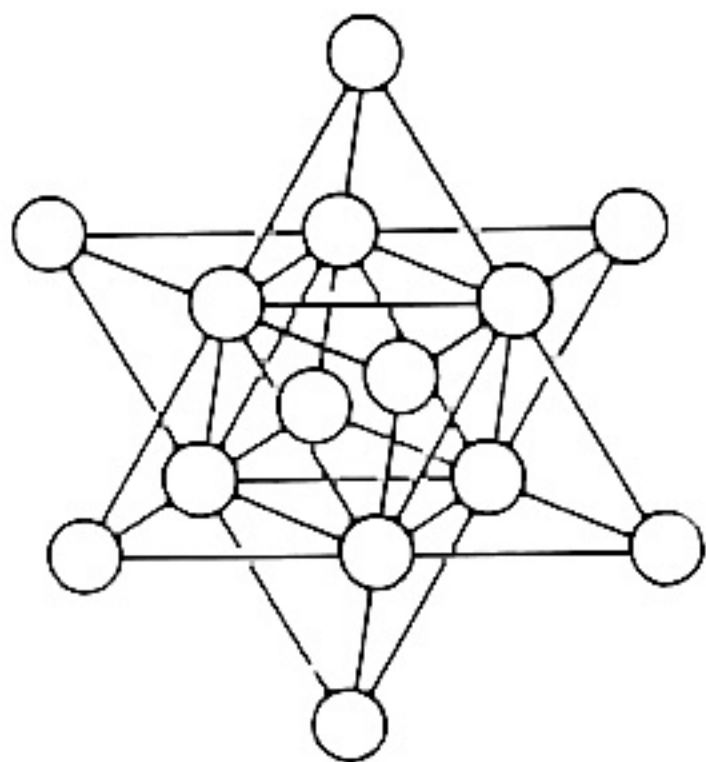
$$b = \frac{2048}{2187}$$

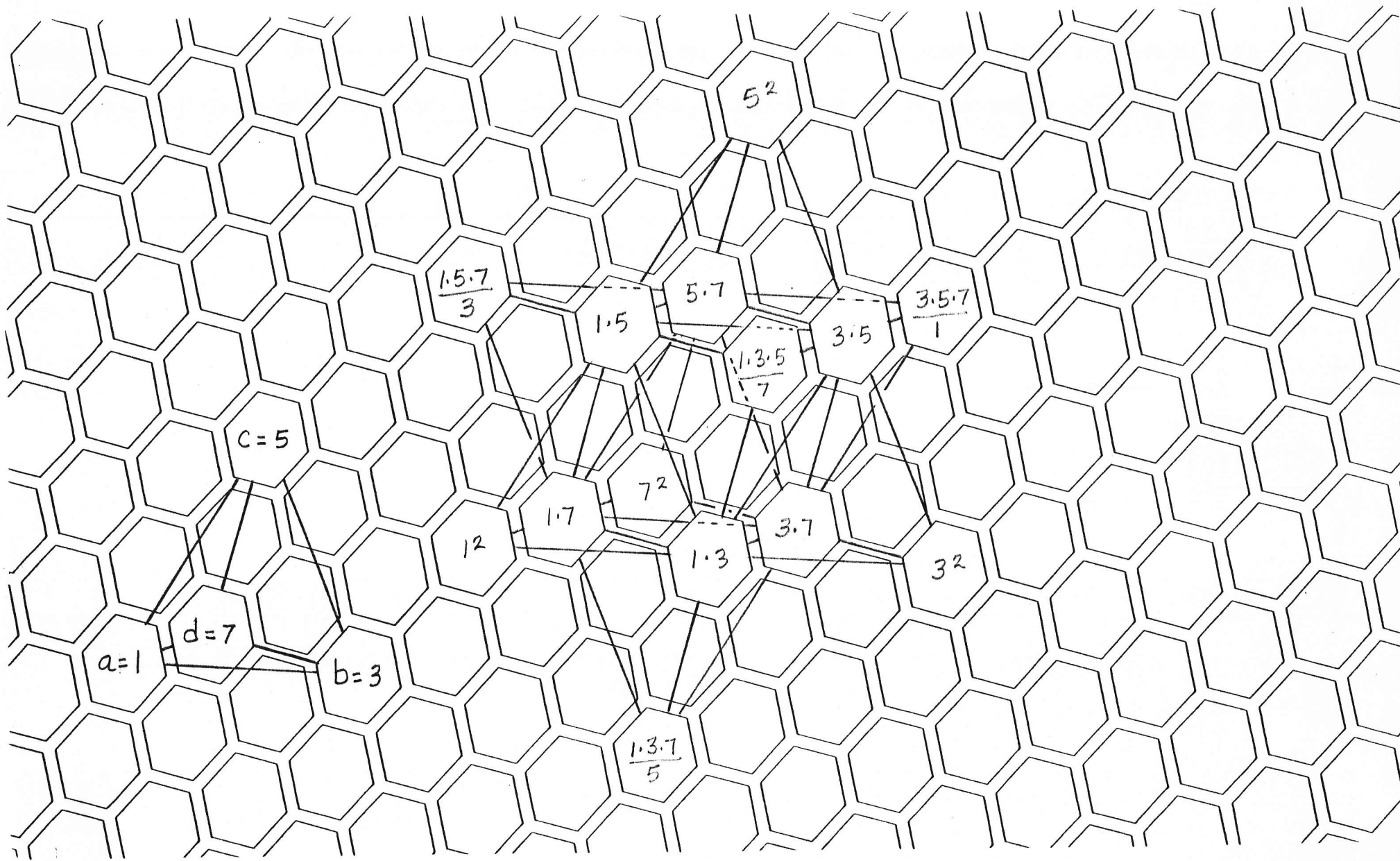
$$v = \frac{80}{81}$$

$$\downarrow = \frac{63}{64}$$

	1	5	3	7
1	C	E1	G	Bb1
5	E1	G#11	B1	D11
3	G	B1	D	F1
7	Bb1	D11	F1	A11







Stellate Octahedron Work-Sheets

© 1997 by Eric Wilson

+19

+21

+23

+22

+24

1.

+14

6.

+16

11.

+18

+20

72

24.

+17

29.

+19

1.

5.7

9.

+11

14.

+13

1.5.7

3.5.7

1

25.

+12

4.

+9

3.7

3

22.

+10

1.7

30.

1.3.7

5

2.

7.

+4

1.5

+6

5²

25.

+5

3.5

+10

12

0/31.

+2

3²

5.

-3

15.

+1

1.3

23.

-2

+10

12

31/0.

1.3.5

7

3.

-5

8.

13.

18.

-4

26.

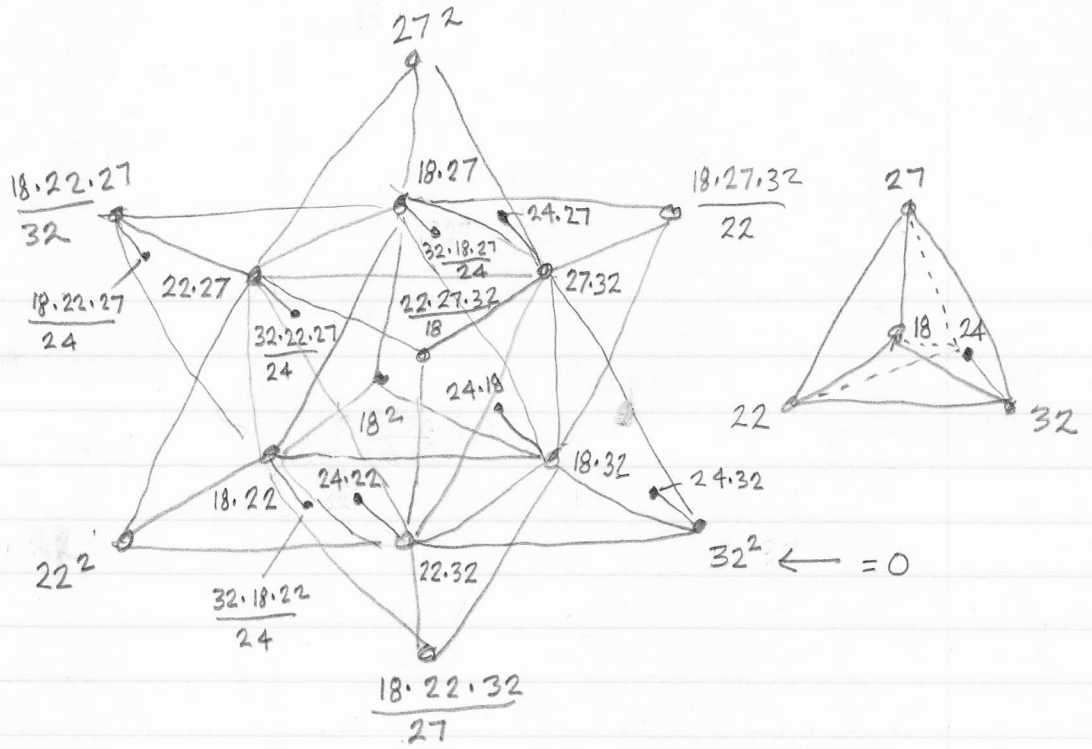
E.W.
Jan 12, 94

Octave Permutations on 3,5,7,11 Hexany

© E. Wilson Dec 7, 1996

3 5 7 11

a	b	c	d	<u>ab</u>	<u>ac</u>	<u>ad</u>	<u>bc</u>	<u>bd</u>	<u>cd</u>
3	5	7	11	3.5 ^{F#}	3.7 ^E	3.11 ^{C#}	5.7 ^D	5.11 ^F	7.11 ^{D#}
3	5	11	7	3.5	3.11	3.7	5.11	5.7	11.7
3	7	5	11	3.7	3.5	3.11	7.5	7.11	5.11
3	7	11	5	3.7	3.11	3.5	7.11	7.5	11.5
3	11	5	7	3.11	3.5	3.7	11.5	11.7	5.7
3	11	7	5	3.11	3.7	3.5	11.7	11.5	7.5
5	3	7	11	5.3	5.7	5.11	3.7	3.11	7.11
5	3	11	7	5.3	5.11	5.7	3.11	3.7	11.7
5	7	3	11	5.7	5.3	5.11	7.3	7.11	3.11
5	7	11	3	5.7	5.11	5.3	7.11	7.3	11.3
5	11	3	7	5.11	5.3	5.7	11.3	11.7	3.7
5	11	7	3	5.11	5.7	5.3	11.7	11.3	7.3
7	3	5	11	7.3	7.5	7.11	3.5	3.11	5.11
7	3	11	5	7.3	7.11	7.5	3.11	3.5	11.5
7	5	3	11	7.5	7.3	7.11	5.3	5.11	3.11
7	5	11	3	7.5	7.11	7.3	5.11	5.3	11.3
7	11	3	5	7.11	7.3	7.5	11.3	11.5	3.5
7	11	5	3	7.11	7.5	7.3	11.5	11.3	5.3
11	3	5	7	11.3	11.5	11.7	3.5	3.7	5.7
11	3	7	5	11.3	11.7	11.5	3.7	3.5	7.5
11	5	3	7	11.5	11.3	11.7	5.3	5.7	3.7
11	5	7	3	11.5	11.7	11.3	5.7	5.3	7.3
11	7	3	5	11.7	11.3	11.5	7.3	7.5	3.5
11	7	5	3	11.7	11.5	11.3	7.5	7.3	5.3



11.	30.	49.	0.	38.
18	22	27	32	24
<hr/>				
18	22			
18		27		
18			32	
	22	27		
	22		32	
		27	32	

sheet 1

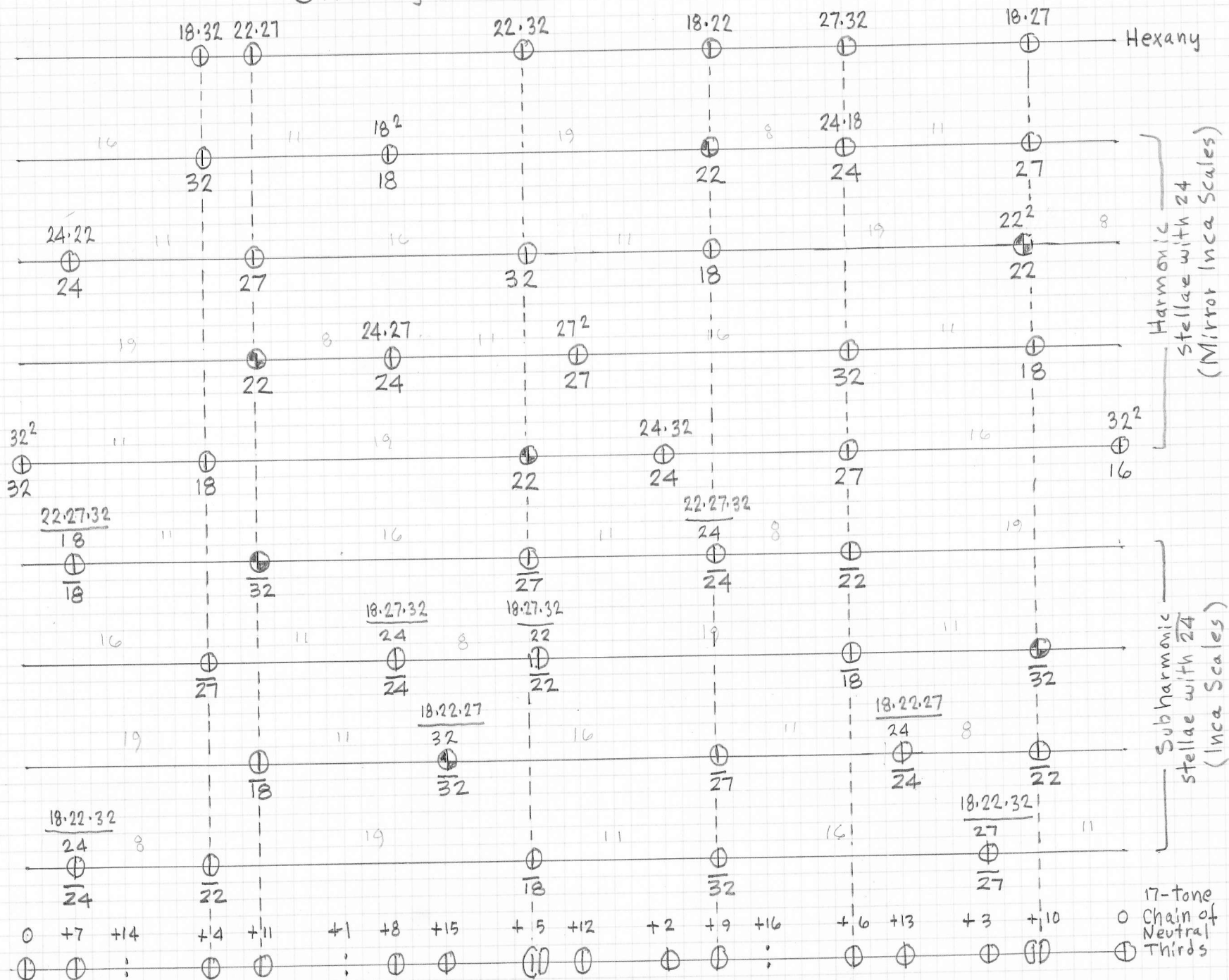
18, 22, 27, 32 Stellate Hexany
with 24 added to the Stellae

©1994 by Erv Wilson

18, 22, 27, 32 Stellate Hexany with 24 added to Stellae

sh 2

©1994 by Erv Wilson

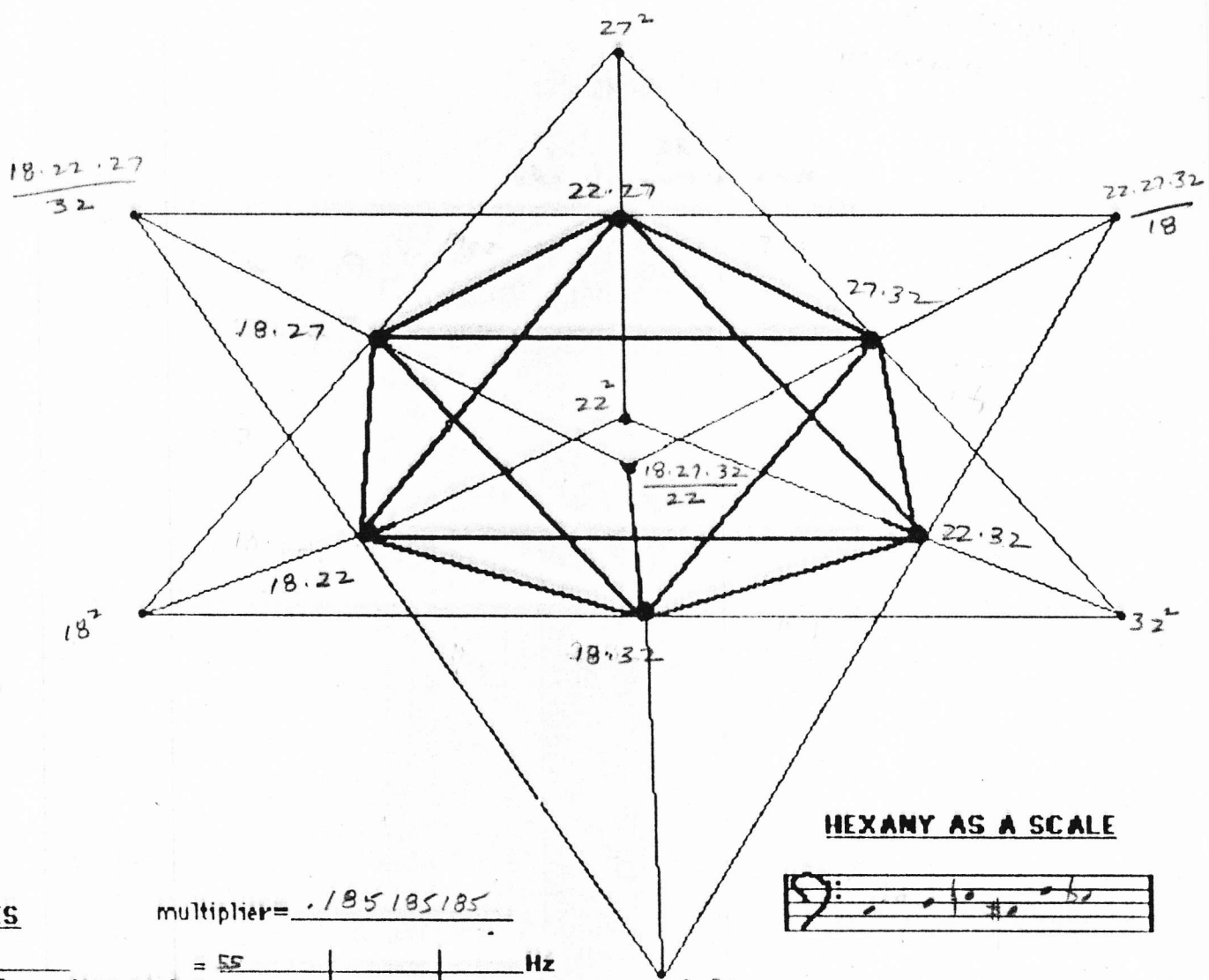
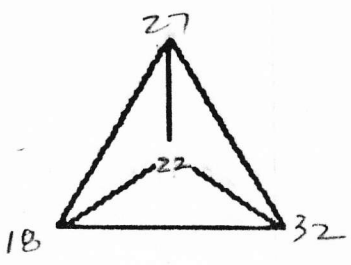


can use inca scale

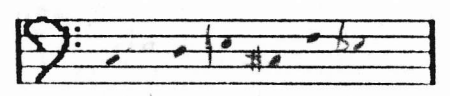
18-22-27-32

STELLATED HEXANY

CENTRAL PITCH = $\frac{110.1}{Hz} = \frac{22 \cdot 27}{22} = C-1$ on kbd



HEXANY AS A SCALE

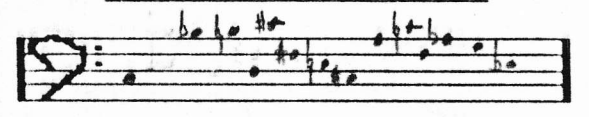


HEXANY NOTES

multiplier = .185185185

BO =	= 55	Hz
C1 = $\frac{22 \cdot 27}{32}$ (top ctr)	= 110, 220, 440	980
C#1 = $\frac{27 \cdot 32}{18}$ (upper rt)	= 160, 320, 640	1280
D1 = $\frac{27 \cdot 32}{18}$ (lower rt)	= 130.37, 260.74, 521.48	1042.96
D#1 = $\frac{18 \cdot 32}{27}$ (low ctr)	= 126.67, 253.33, 506.66	1013.33
E1 = $\frac{18 \cdot 22}{27}$ (low left)	= 146.67, 293.33, 586.66	1173.33
F1 = $\frac{18 \cdot 27}{32}$ (upper left)	= 180, 360, 720	1440

WITH STELLATED NOTES



STELLATED NOTES

F#1 = $\frac{27^2}{18}$ (TOP CTR)	= 135, 270, 540	1080
G1 = $\frac{22 \cdot 27 \cdot 32}{18}$ (UPPER RT)	= 95.56, 191.11, 382.22	1564.44
G#1 = $\frac{32^2}{27}$ (LOWER RT)	= 189.63, 379.26, 758.52	1517.04
A1 = $\frac{18 \cdot 22 \cdot 32}{27}$ (LOWER CTR)	= 173.33, 346.66, 693.33	1386.66
A#1 = $\frac{18^2}{27}$ (LOWER LEFT)	= 120, 240, 480	960
B1 = $\frac{18 \cdot 22 \cdot 27}{32}$ (UPPER LEFT)	= 123.75, 247.5, 495	990
C2 = $\frac{22^2}{27}$ (REAR CTR)	= 179.26, 358.52, 717.04	1434.07
C#2 = $\frac{18 \cdot 27 \cdot 32}{22}$ (FRONT CTR)	= 30.91, 61.82, 123.64	1047.27
D2 = $\frac{24 \cdot 32}{27}$	= 71.11, 142.22, 284.44, 568.89	1137.78
D#2 = $\frac{18 \cdot 22 \cdot 27}{24}$	= 82.5, 165, 330, 660	1320

STELLATED NOTES ONLY



E2 = +14 in 17 tone 101.25, 202.5, 405, 810, 1620
 F2 = +1 in 17 tone linear 58.06, 116.2, 232.25, 464.5, 929
 F#2 = +16 in 17 tone lin neut 3rds 75.94, 151.87, 303.75, 607.5, 1215

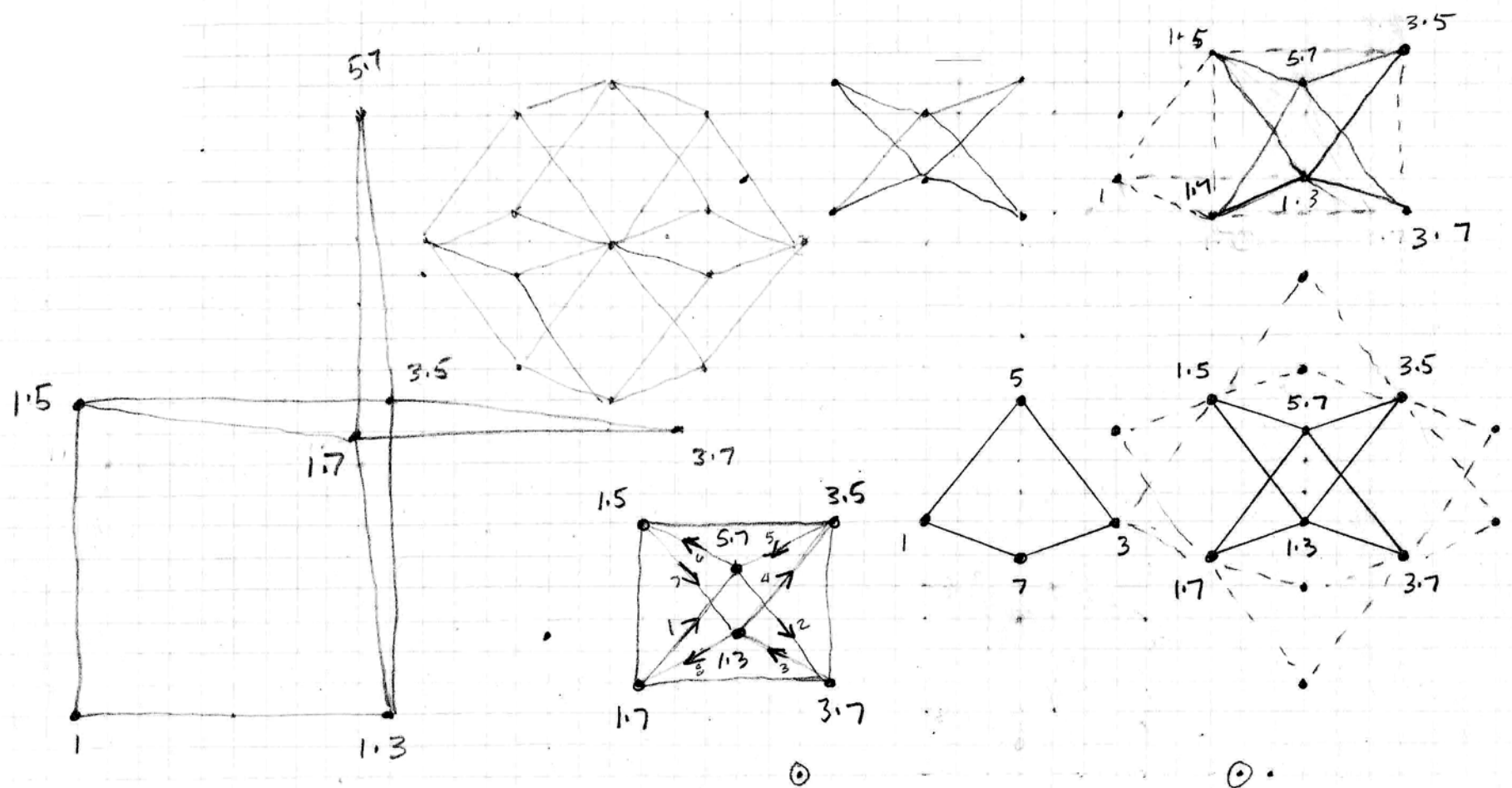
for the addition of 24 to Hexany
 to get full 17

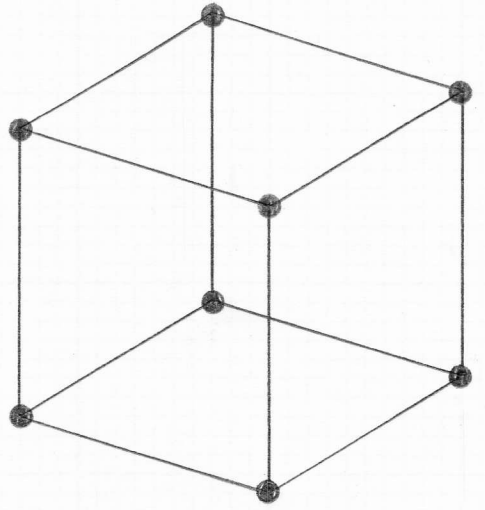
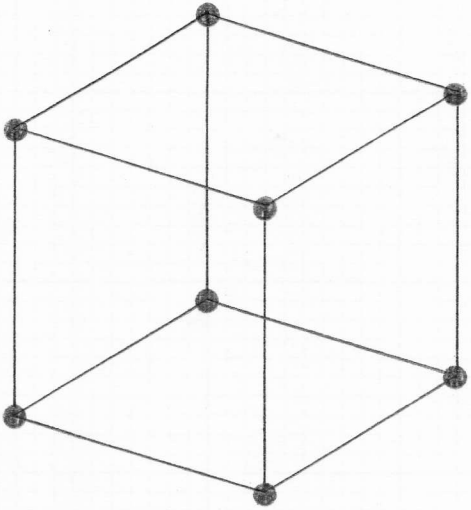
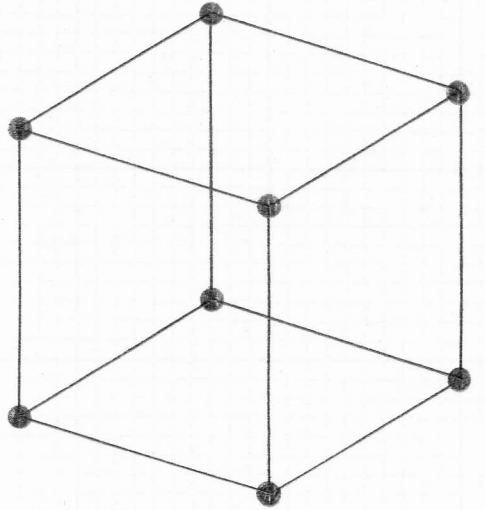
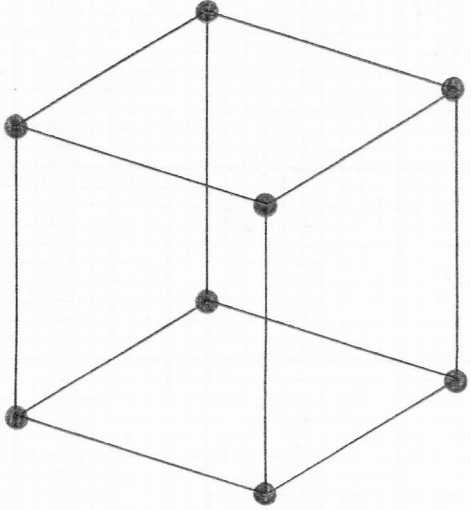
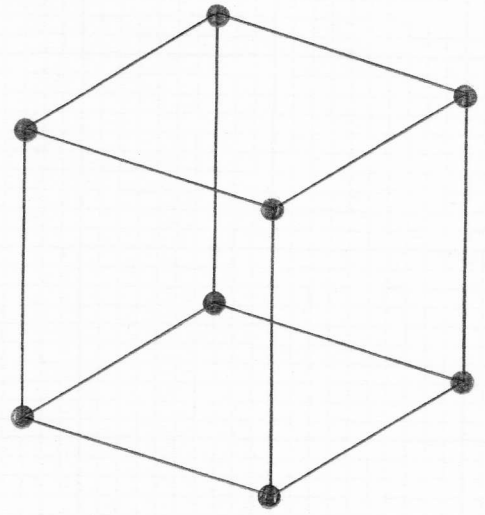
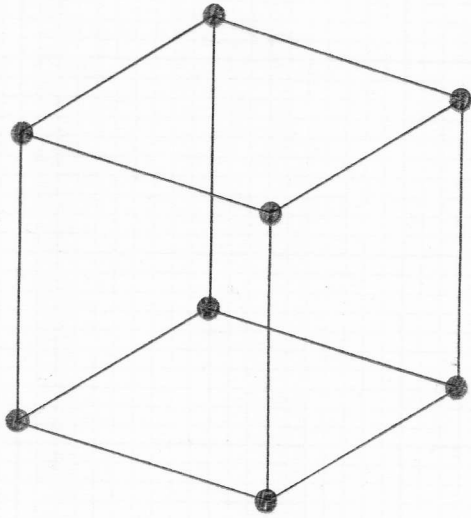
$\frac{1357}{13}$	1357
35	1375
57	1735
71	1753
.	1573
	1537
	1357

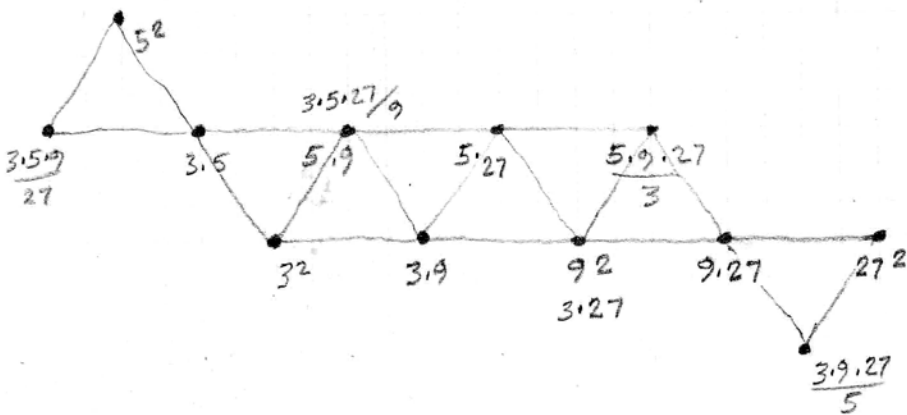
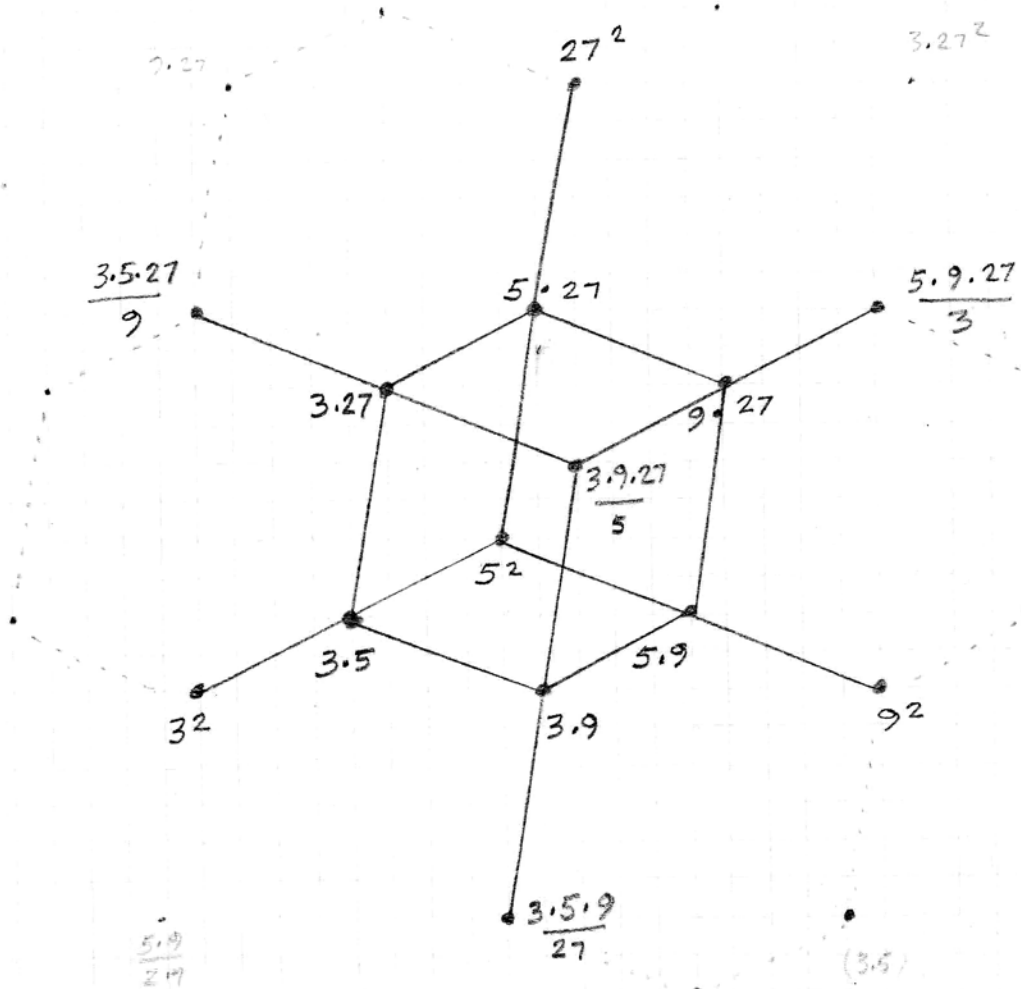
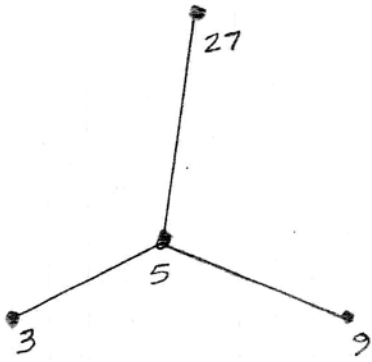
$\frac{1357}{135}$
357
157
137

$\frac{1357}{13}$
35
57
17

This is quite good







5.9.27

9.27

3.27²

$\frac{3 \cdot 5 \cdot 27}{9}$

5 · 27

$\frac{5 \cdot 9 \cdot 27}{3}$

3 · 27

$\frac{3 \cdot 9 \cdot 27}{5}$

5²

3 · 5

5 · 9

3²

3 · 9

9²

$\frac{3 \cdot 5 \cdot 9}{27}$

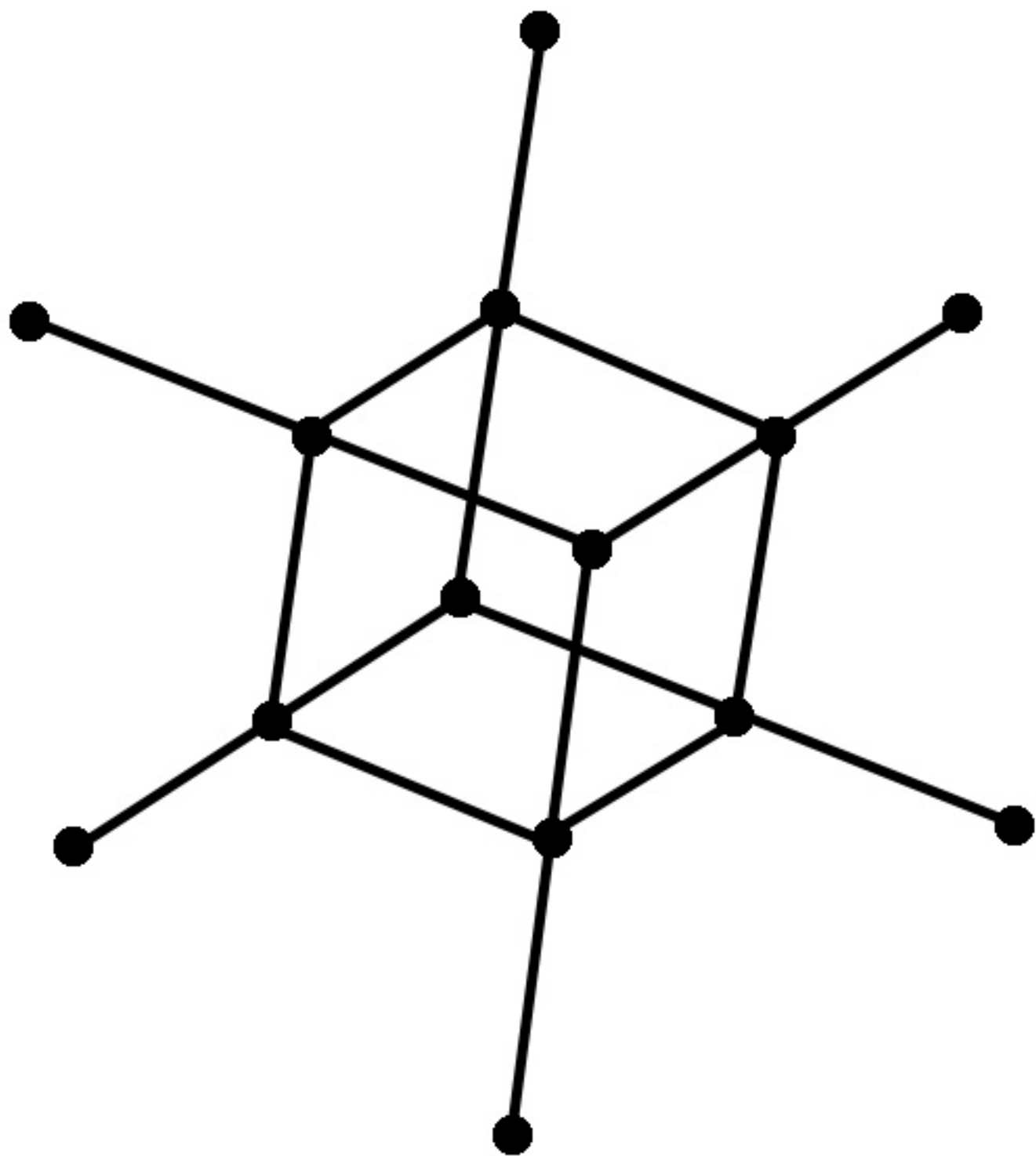
(3.5)

$\frac{5 \cdot 9}{27}$

(11)

(3)

- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
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- 98
- 99
- 100



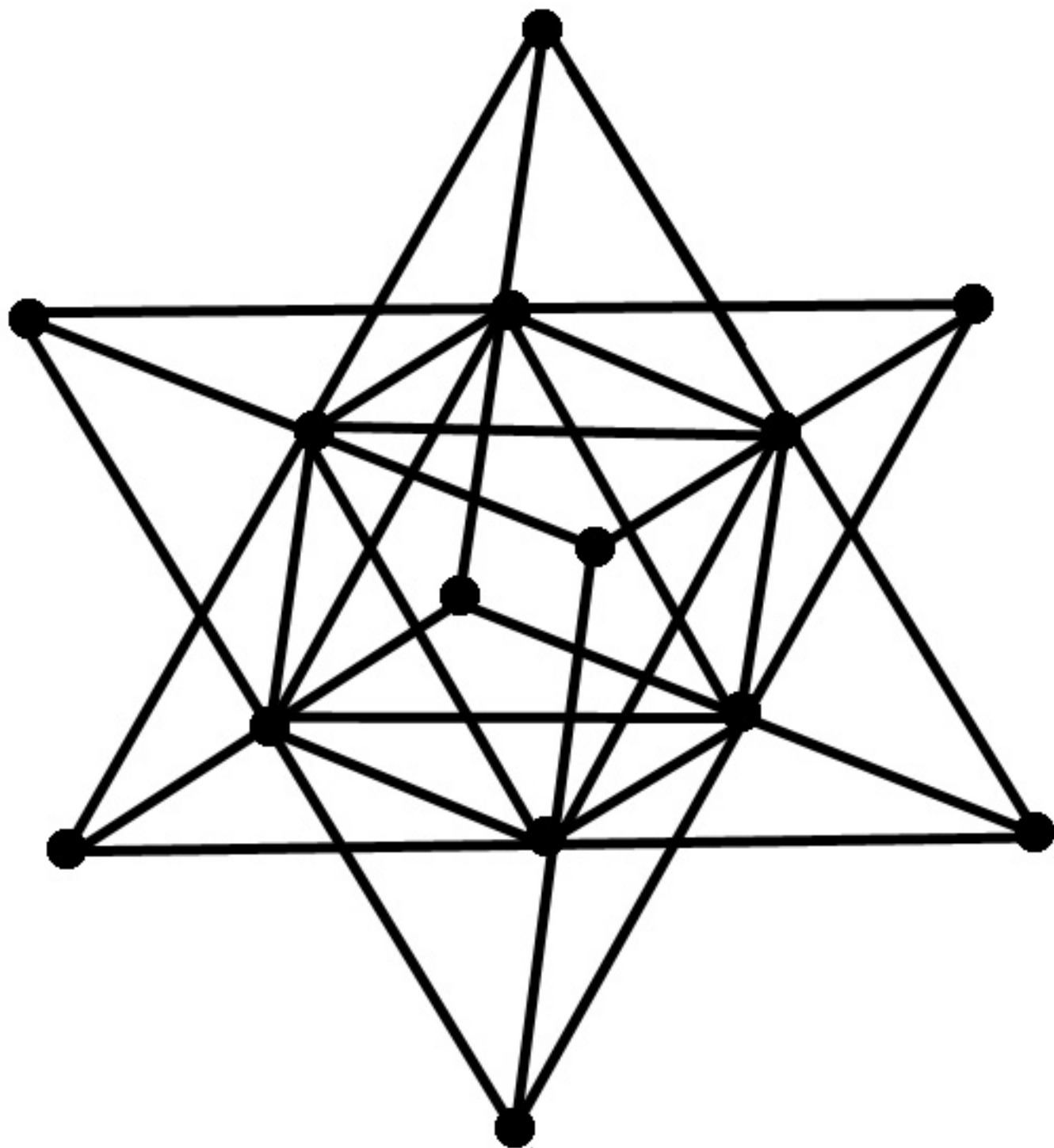


Fig I

HEXANY

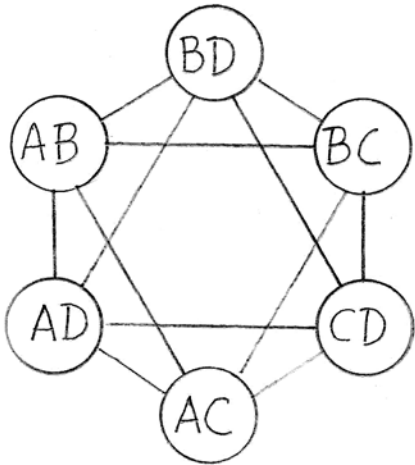


Fig II

MANDALA

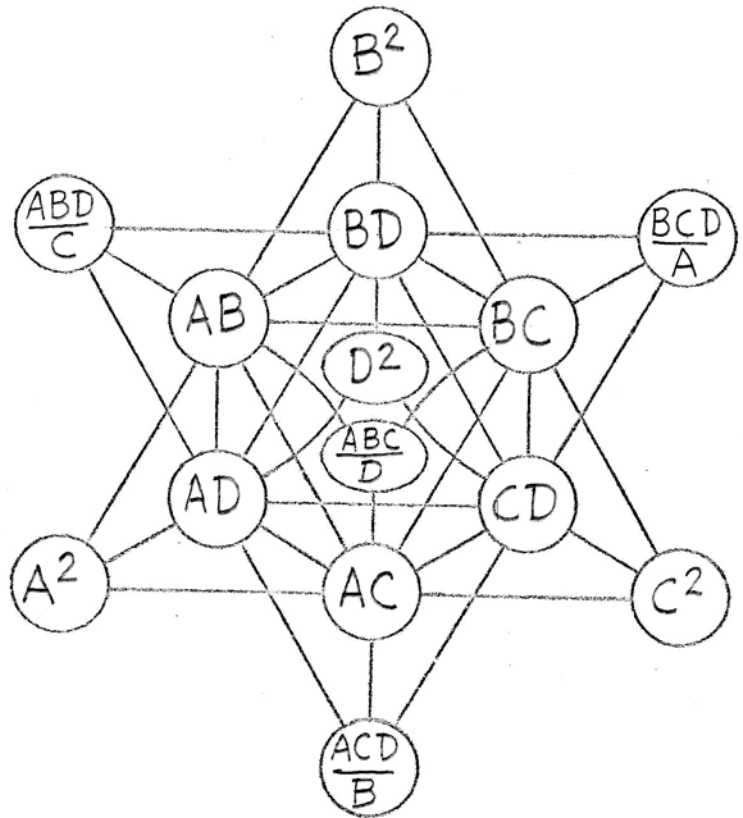
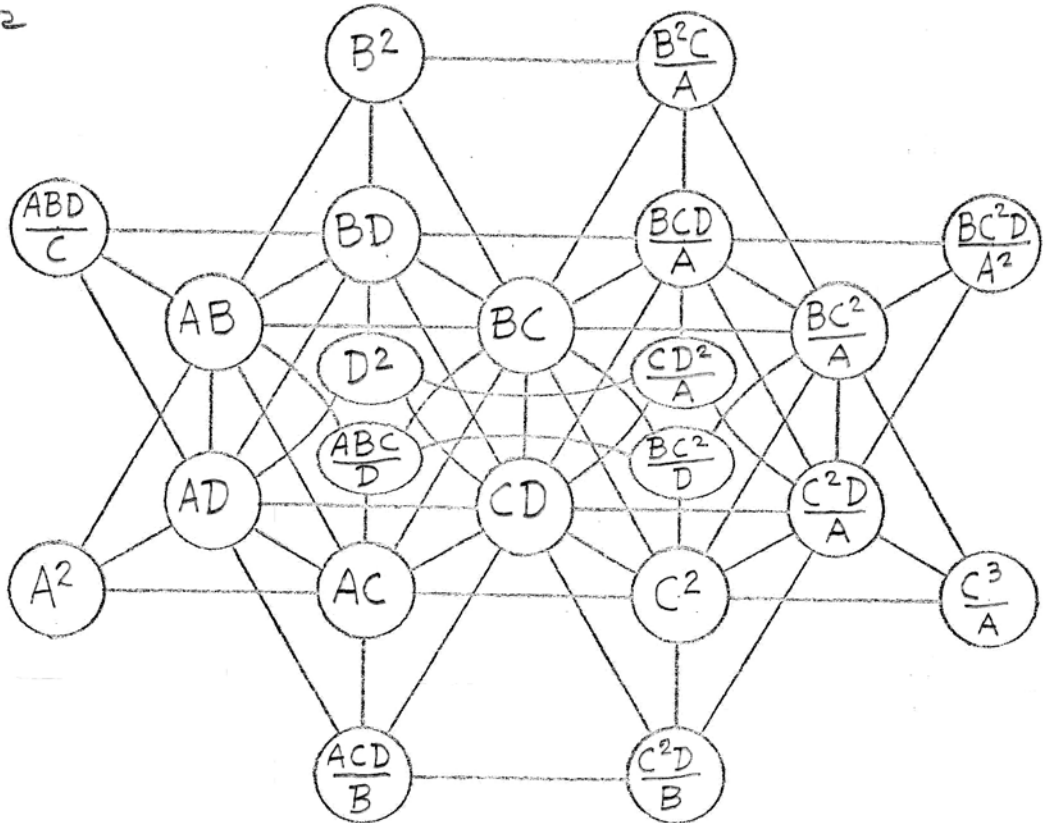


Fig III

2ble Mandala



Aggregate of 2 mandalas related by
The primary interval $\frac{C}{A}$

(To check: The product of any pair of opposites is BC^2D .
i.e. $A^2 \times \frac{BC^2D}{A^2} = BC^2D$)

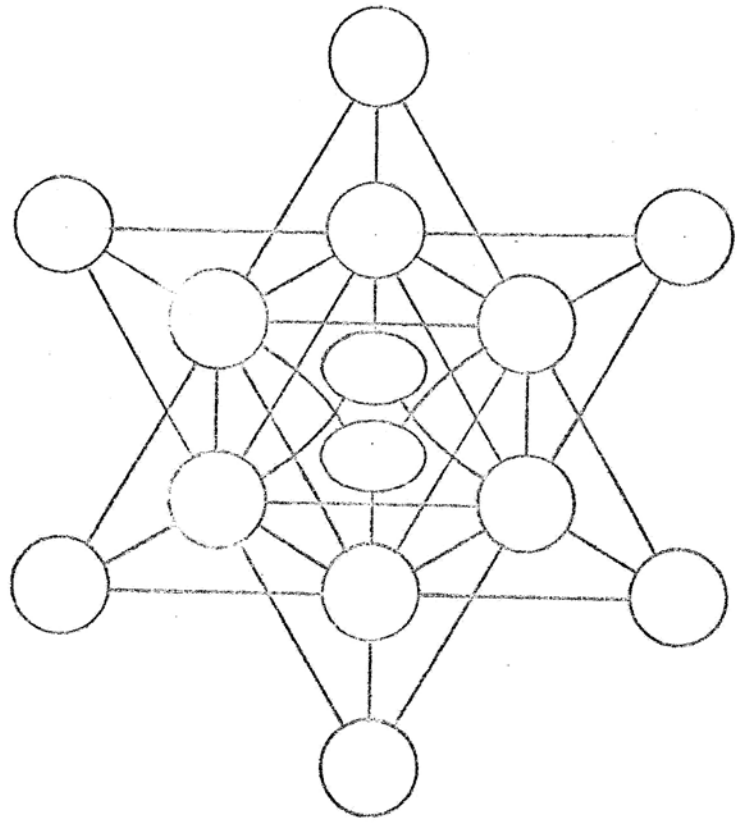
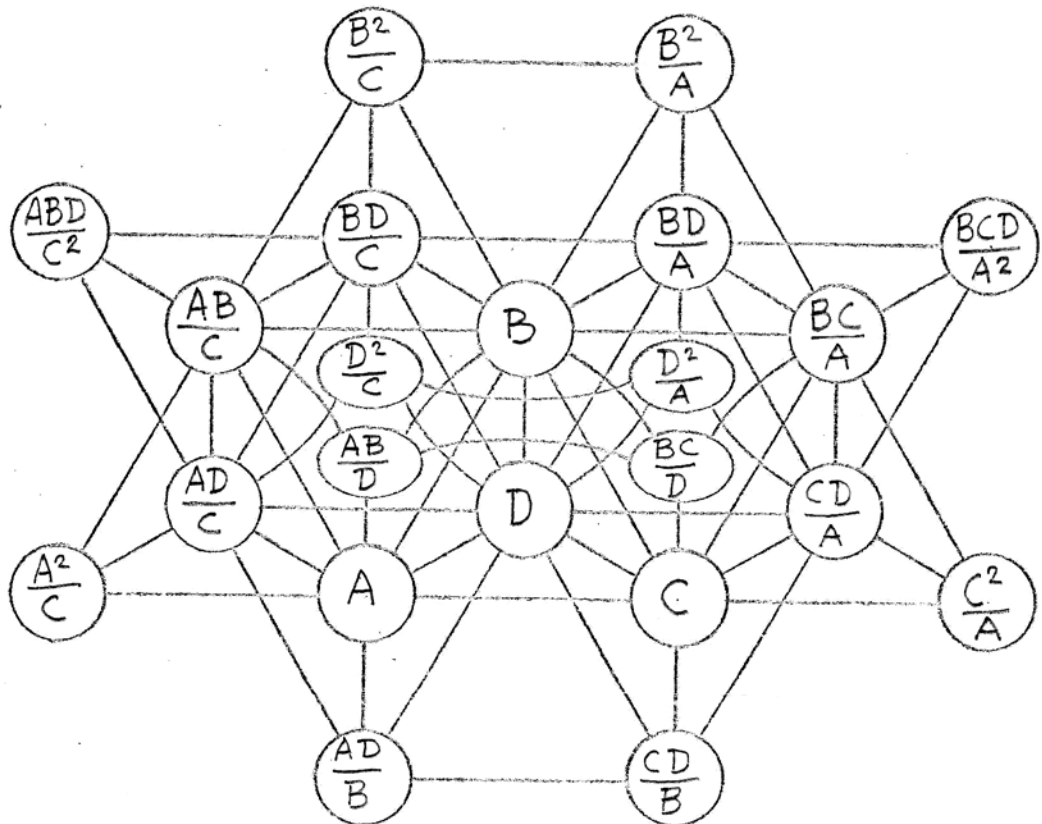
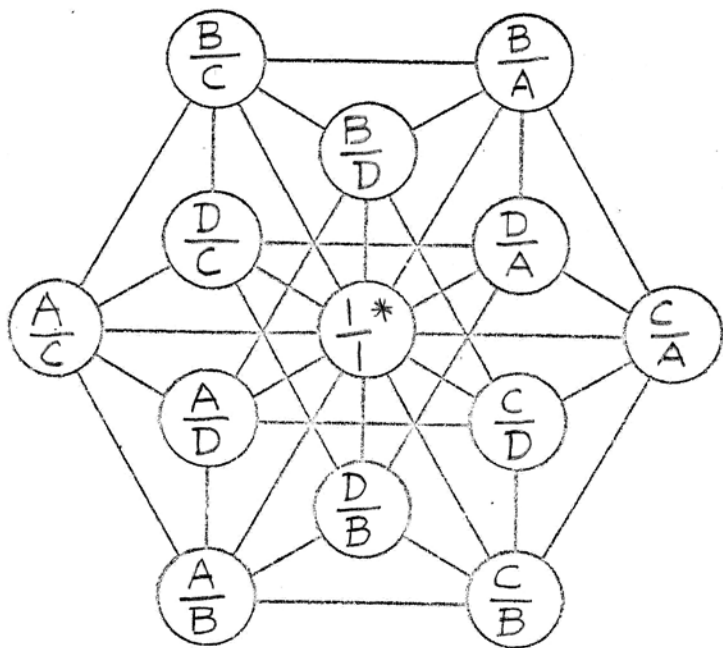


Fig IV
2ble Mandala



Multiplying Fig III by $\frac{1}{C}$
 to illustrate symmetry and a relation to the primary tetrad.
 (The check on this is The product of any pair of opposites
 is BD .)

Fig V
DIAMOND



$$* \frac{1}{I} = \frac{A}{A}, \frac{B}{B}, \frac{C}{C}, \frac{D}{D}$$

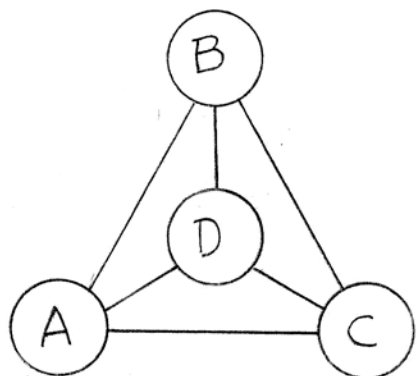
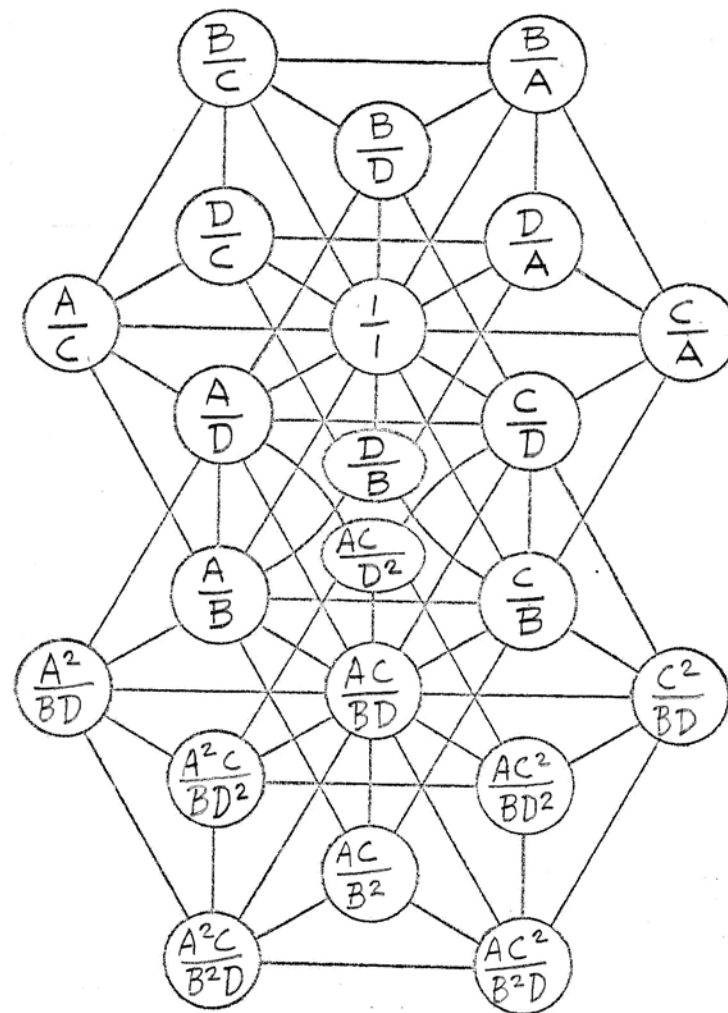
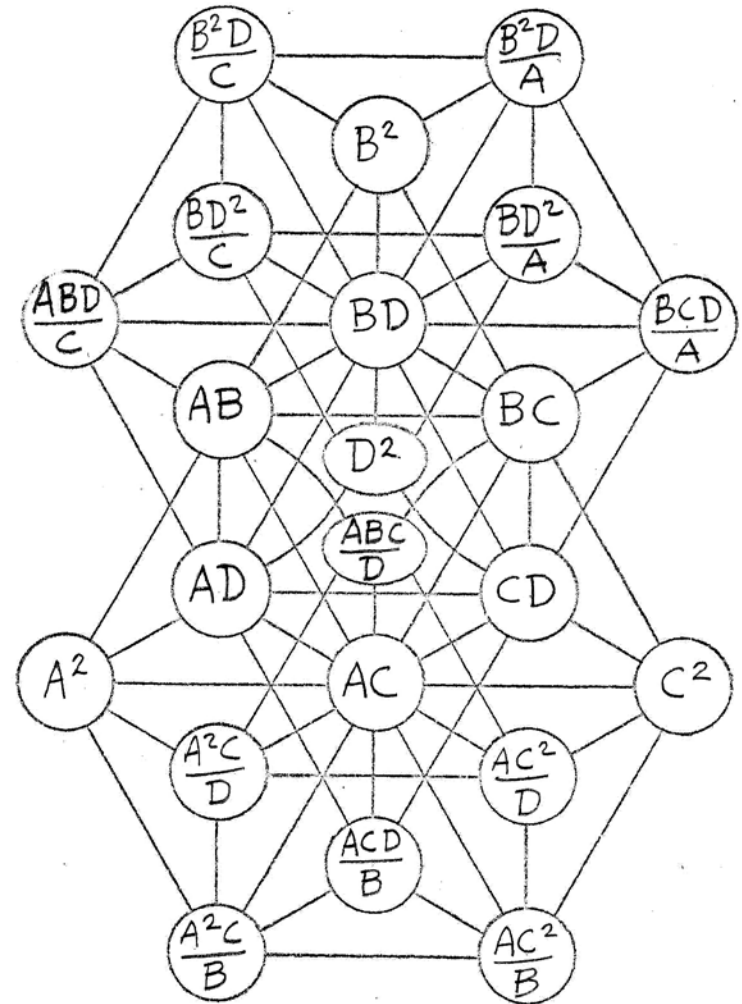
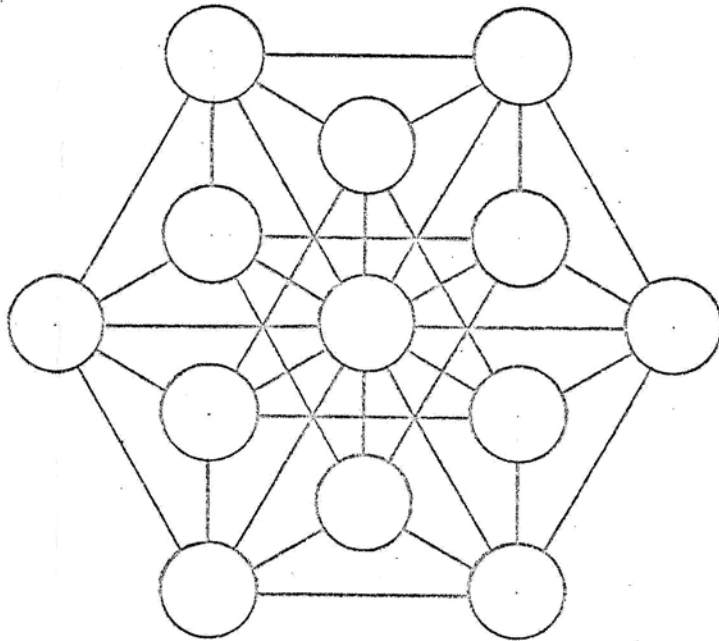


Fig VII
2ble Diamond



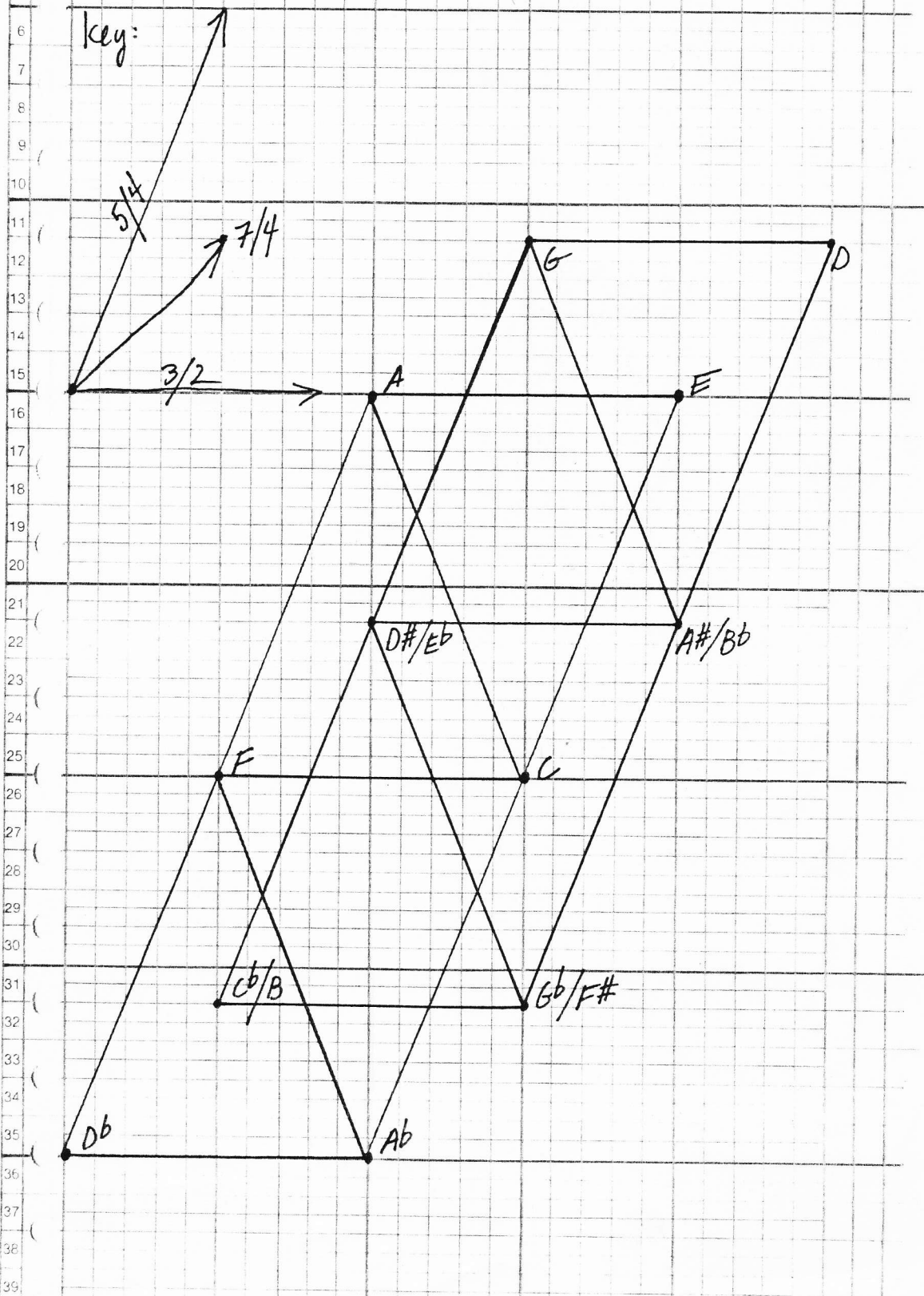
Aggregate of 2 Diamonds related
by the secondary interval $\frac{AC}{BD}$

Fig VIII
2ble Diamond



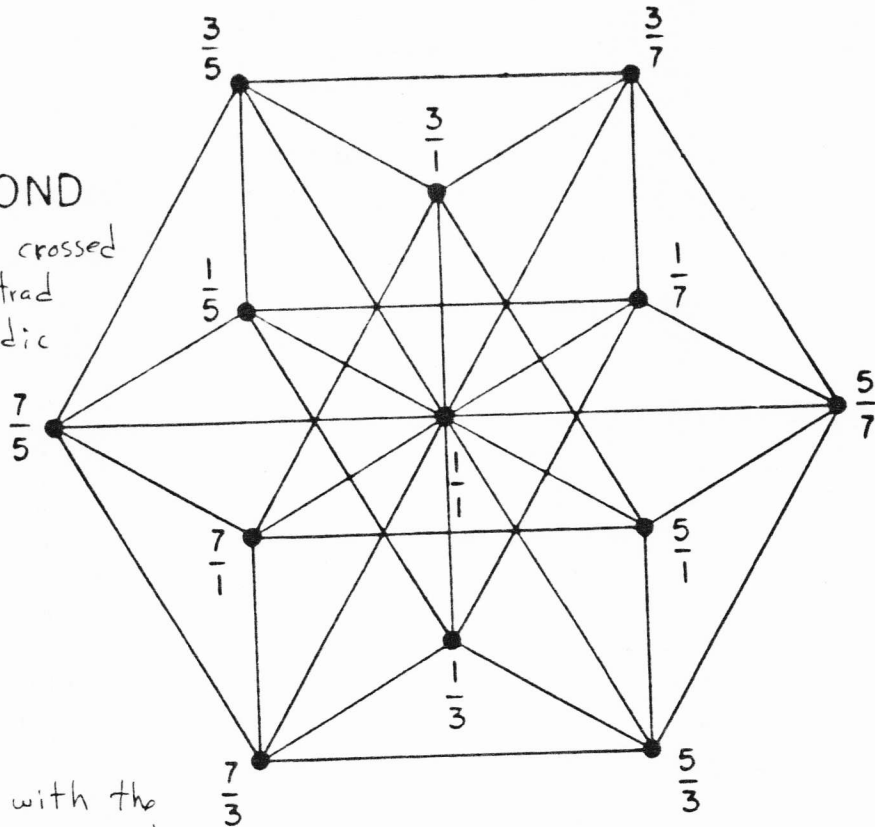
Multiplying Fig VII by BD
To show symmetry and a relation to the
Mandalz, Fig II

DOUBLE HEXANY TUNING LATTICE



Tetradic 1-3-5-7 DIAMOND

The harmonic tetrad is crossed with the subharmonic tetrad to generate the Tetradic Diamond

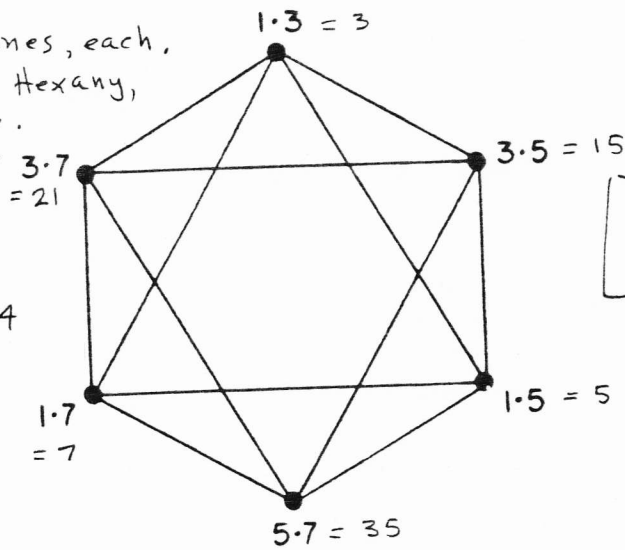


x	1	3	5	7
1	1/1	3/1	5/1	7/1
3	1/3	3/3	5/3	7/3
5	1/5	3/5	5/5	7/5
7	1/7	3/7	5/7	7/7

The Hexany interlocks with the Diamond. Six Hexanies surround the Diamond, interfacing by 5 tones, each. Likewise Six Diamonds surround the Hexany, interfacing by 5 tones, in each case. Together they fill Tetradic tone-space

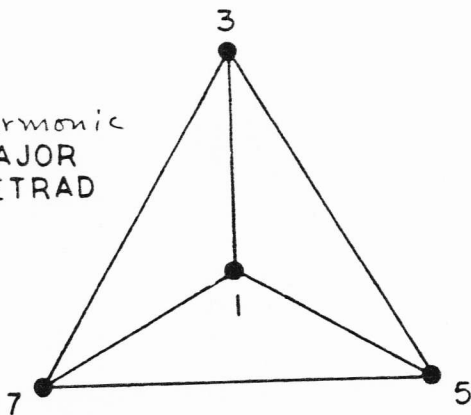
1-3-5-7 HEXANY

The combinations of 2-out-of-4 are 6. These are multiplied to generate the 6 pitches of the Hexany.

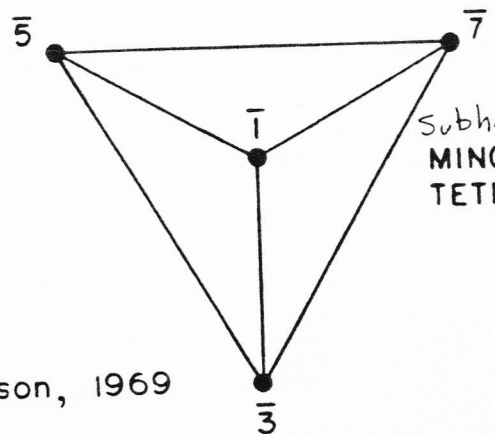


$$\begin{pmatrix} 2 \\ 4 \end{pmatrix} 1 \cdot 3 \cdot 5 \cdot 7$$

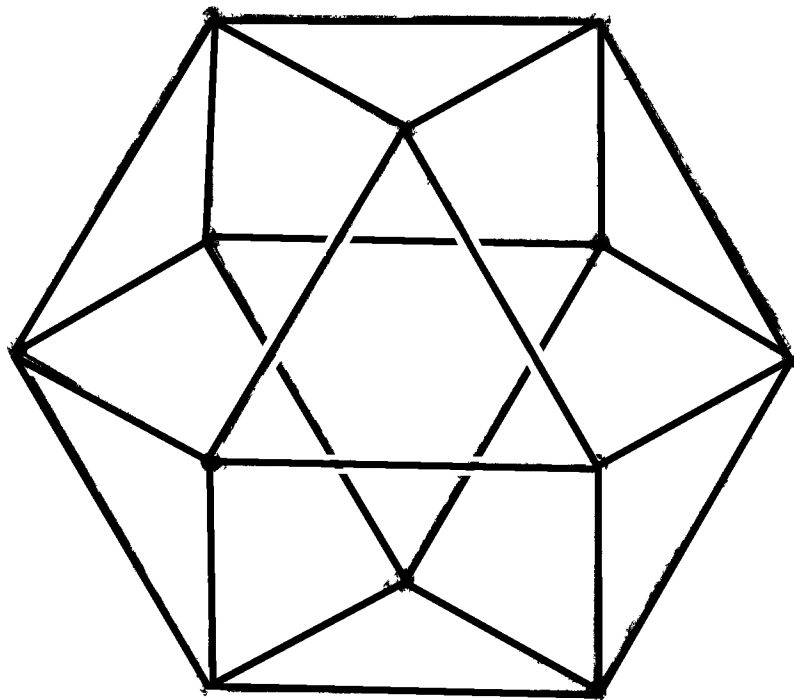
Harmonic MAJOR TETRAD



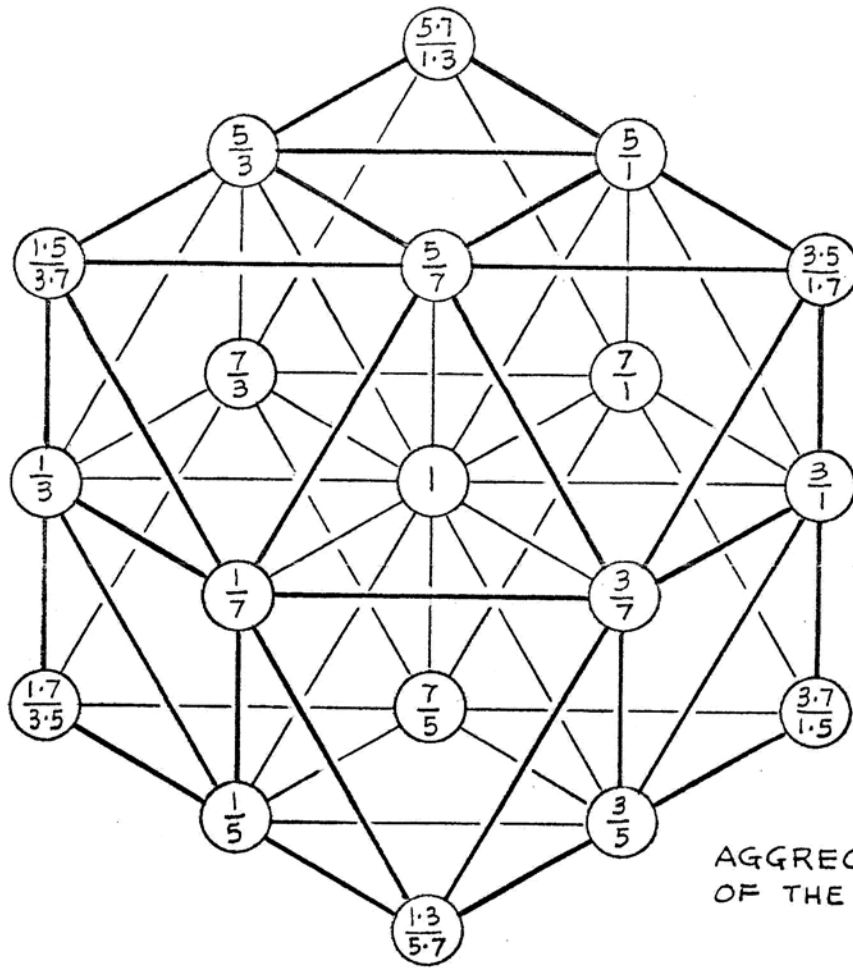
Subharmonic MINOR TETRAD



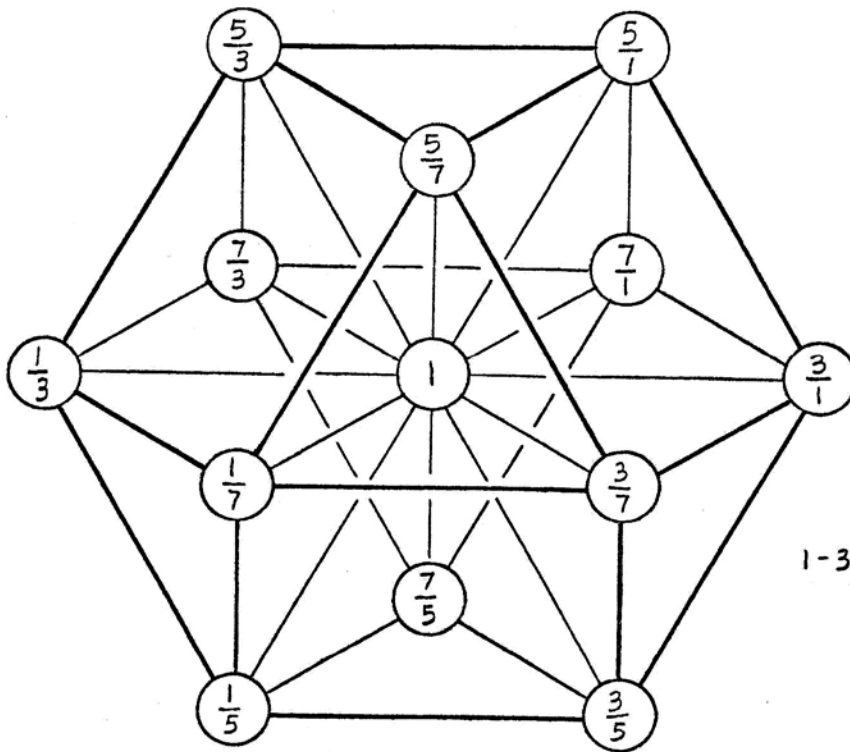
4 harmonic elements may be mapped to the centered-triangle, above, or to the tetrahedron, styrofoam lattice. Issued by Erv Wilson, 1969



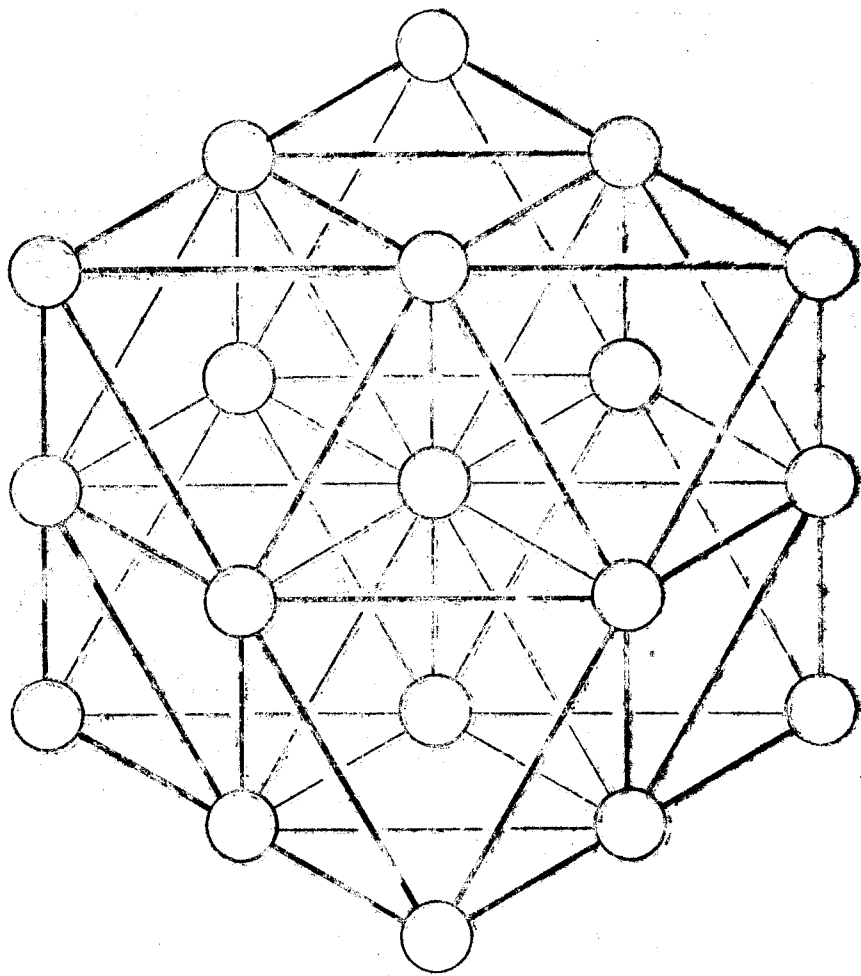
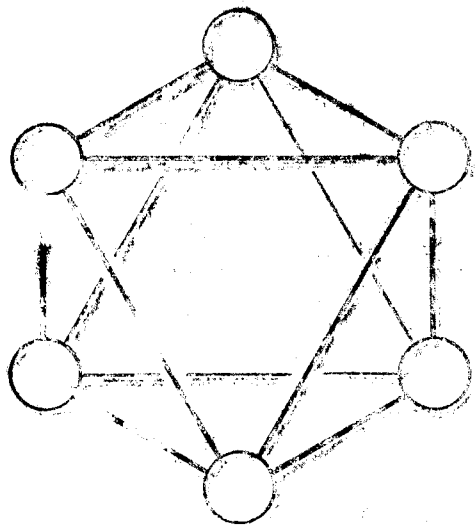
TETRADIC DIAMOND WITH MISSING CENTER



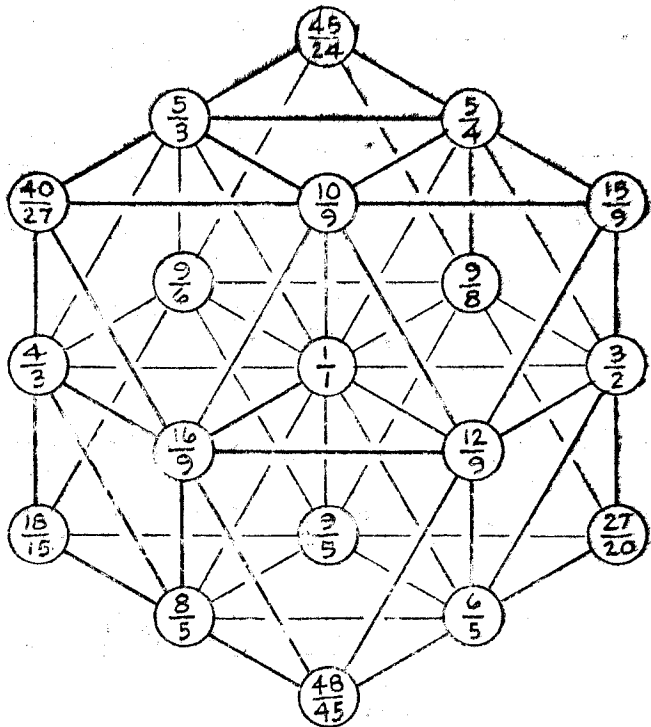
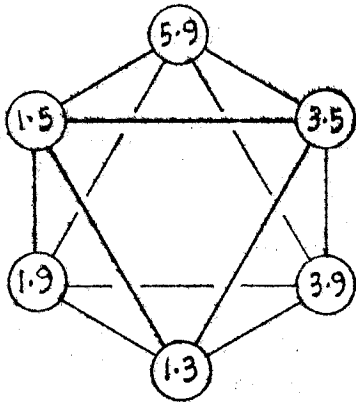
AGGREGATE ROTATIONS
OF THE 1-3-5-7 HEXANY



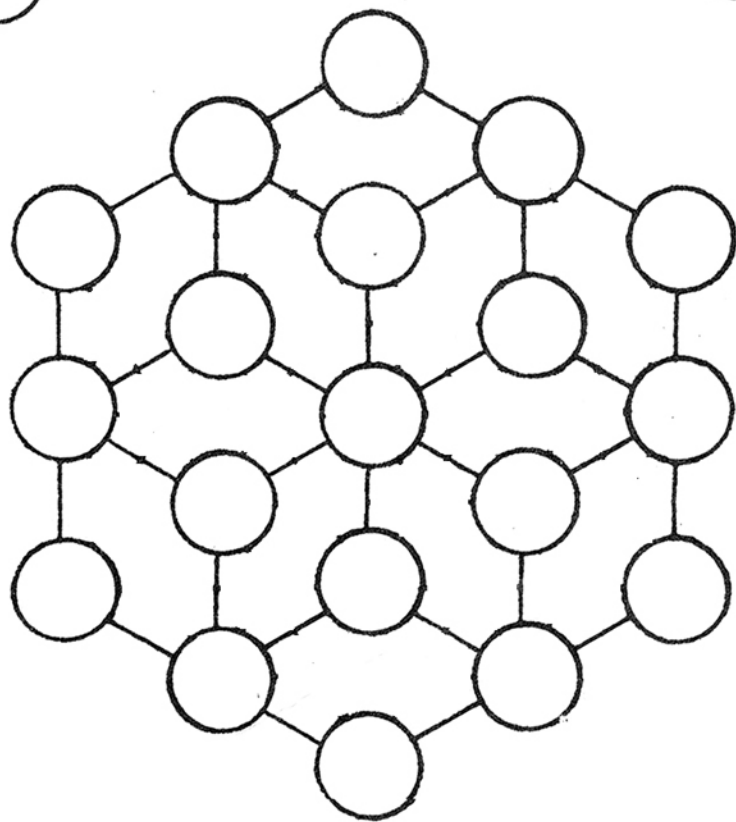
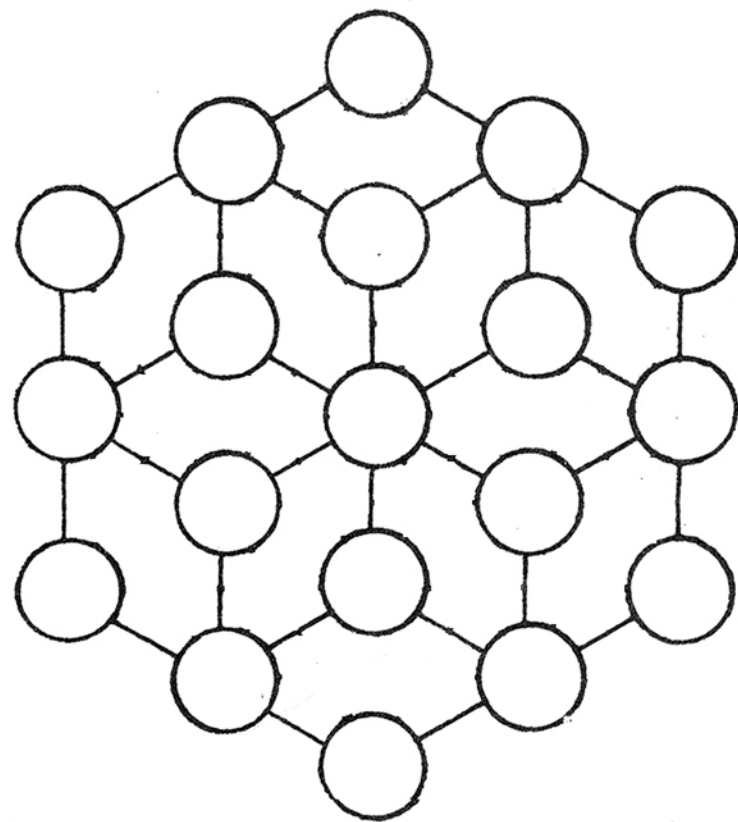
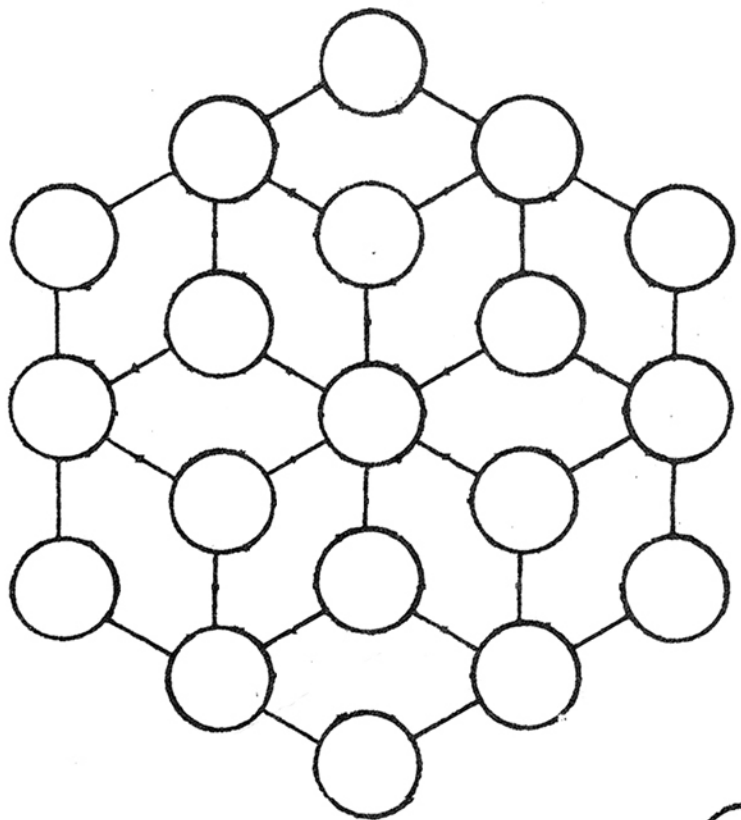
1-3-5-7 DIAMOND

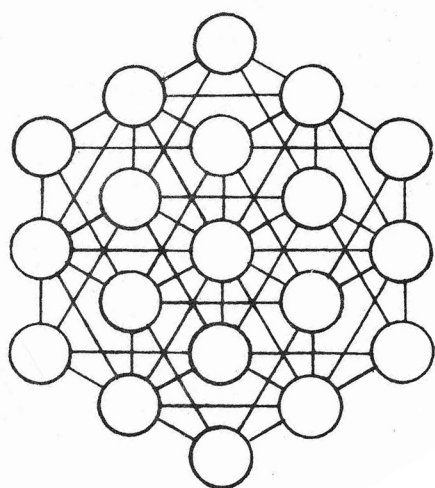
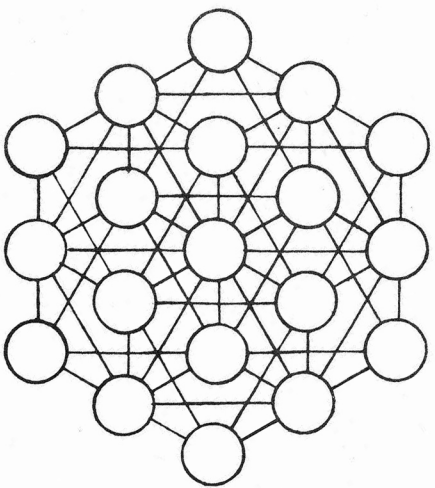
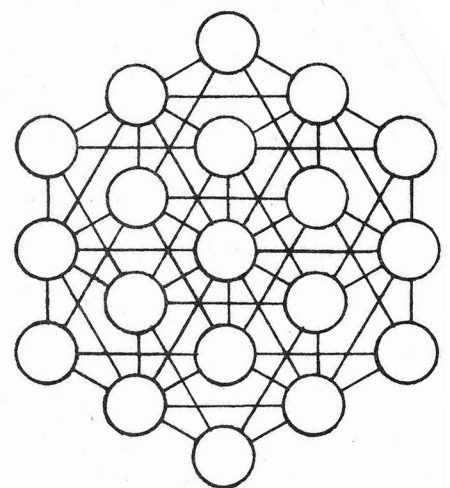
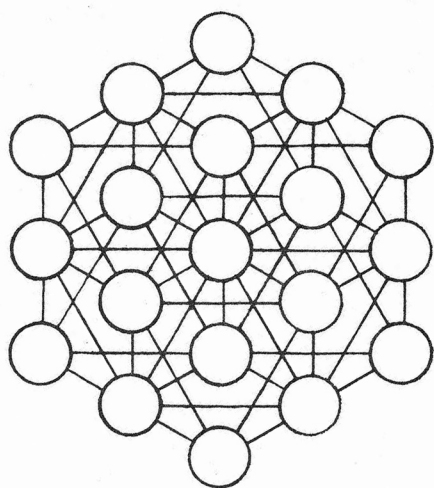
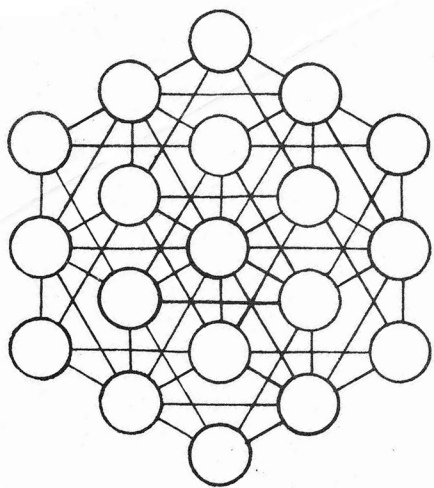
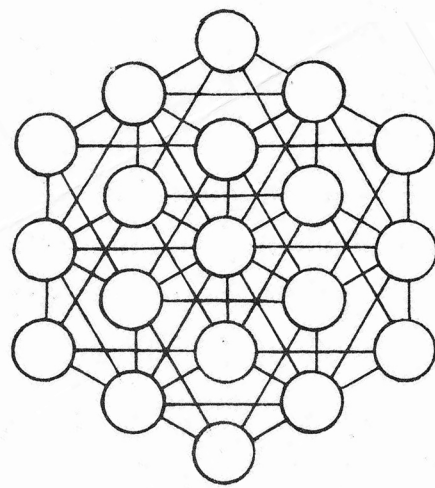
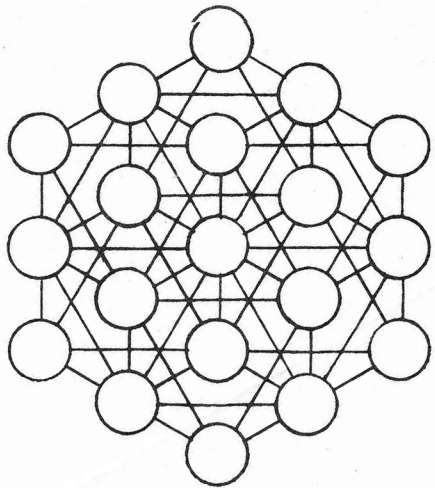
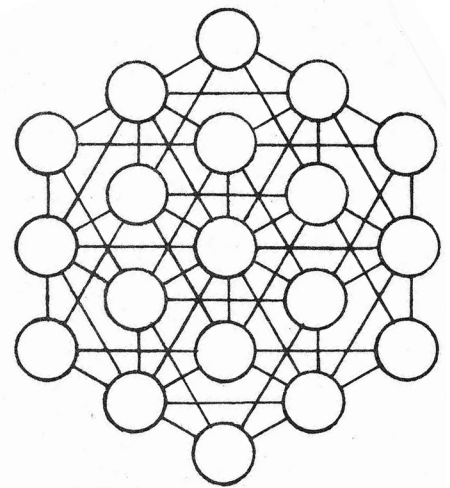
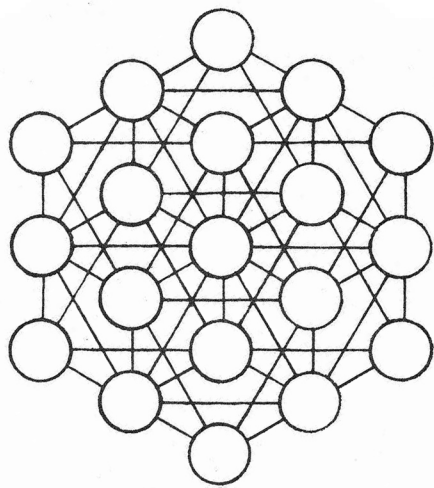
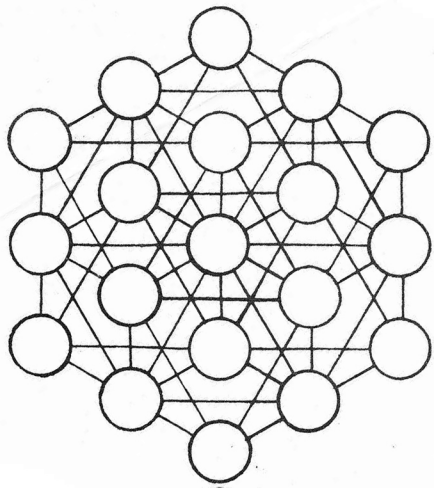


(COMMON-TONE AGGREGATE)

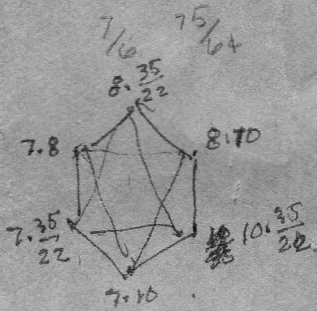
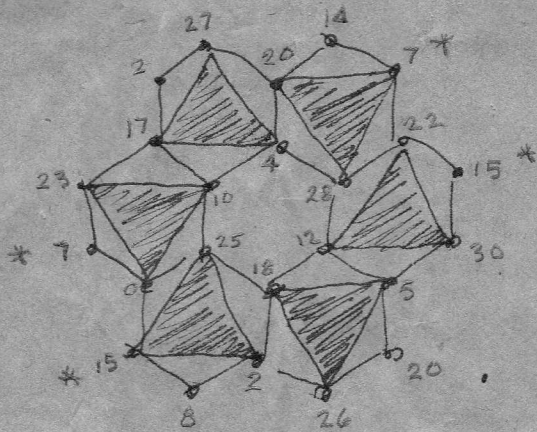
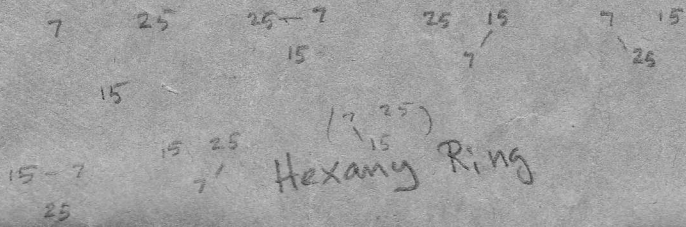


0. 0.	7. 4.	13. 7.	24. 13.	30. 16.	37. 20.	41. 22.	
(1.3)	(3.9)	(3.5)	(1.9)	(1.5)	(5.9)	(1.3)	
$\frac{1}{1}$	$\frac{9}{8}$	$\frac{5}{4}$	$\frac{9}{6} (\frac{3}{2})$	$\frac{5}{3}$	$\frac{45}{24} (\frac{15}{8})$	$\frac{2}{1}$	
0. 0.	7. 4.	11. 6.	18. 10.	24. 13.	35. 19.	41. 22.	
(1.5)	(5.9)	(1.3)	(3.9)	(3.5)	(1.9)	(1.5)	
$\frac{1}{1}$	$\frac{9}{8}$	$\frac{6}{5}$	$\frac{27}{20}$	$\frac{3}{2}$	$\frac{9}{5}$	$\frac{2}{1}$	
0. 0.	6. 3.	13. 7.	17. 9.	24. 13.	30. 16.	41. 22.	
(1.9)	(1.5)	(5.9)	(1.3)	(3.9)	(3.5)	(1.9)	
$\frac{1}{1}$	$\frac{10}{9}$	$\frac{5}{4}$	$\frac{12}{9} (\frac{4}{3})$	$\frac{3}{2}$	$\frac{15}{9} (\frac{5}{3})$	$\frac{2}{1}$	
0. 0.		11. 6.	17. 9.	24. 13.	28. 15.	35. 19.	41. 22.
(3.5)		(1.9)	(1.5)	(5.9)	(1.3)	(3.9)	(3.5)
$\frac{1}{1}$		$\frac{18}{15} (\frac{6}{5})$	$\frac{4}{3}$	$\frac{9}{6} (\frac{3}{2})$	$\frac{8}{5}$	$\frac{9}{5}$	$\frac{2}{1}$
0. 0.	6. 3.		17. 9.	23. 12.	30. 16.	34. 18.	41. 22.
(3.9)	(3.5)		(1.9)	(1.5)	(5.9)	(1.3)	(3.9)
$\frac{1}{1}$	$\frac{10}{9}$		$\frac{4}{3}$	$\frac{40}{27}$	$\frac{5}{3}$	$\frac{16}{9}$	$\frac{2}{1}$
0. 0.	4. 2.	11. 6.	17. 9.		28. 15.	34. 18.	41. 22.
(5.9)	(1.3)	(3.9)	(3.5)		(1.9)	(1.5)	(5.9)
$\frac{1}{1}$	$\frac{48}{45} (\frac{16}{15})$	$\frac{5}{6}$	$\frac{12}{9} (\frac{4}{3})$		$\frac{8}{5}$	$\frac{16}{9}$	$\frac{2}{1}$





Nothing that exists is unmetavel
Spock



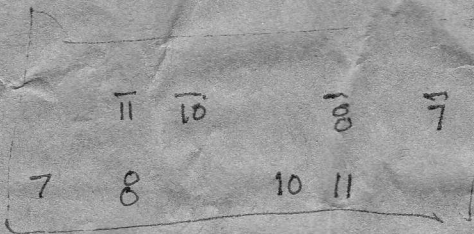
Blue Gordo = Cancho

Tuluca

Blue corns Wagner

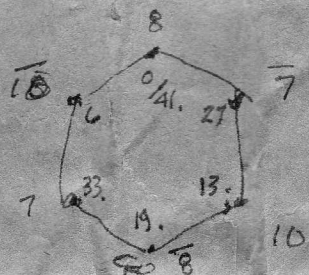
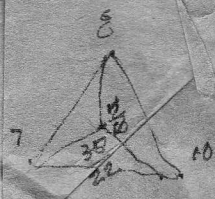
Opaque corn to Diebold

Progression

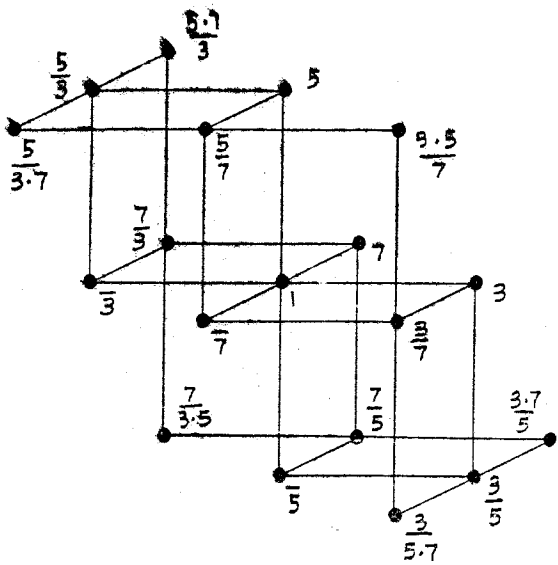


$$\frac{11}{10} \times \frac{8}{7} = \frac{44}{35}$$

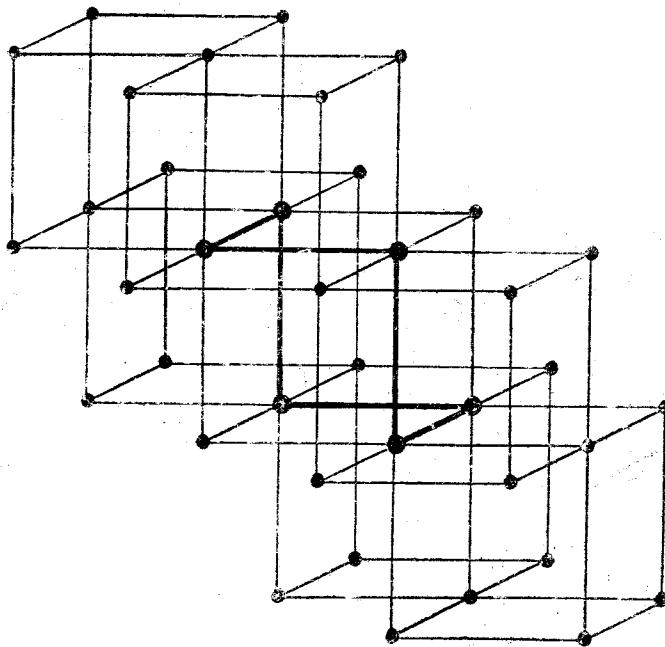
$$\frac{14}{35} = \frac{88}{70}$$



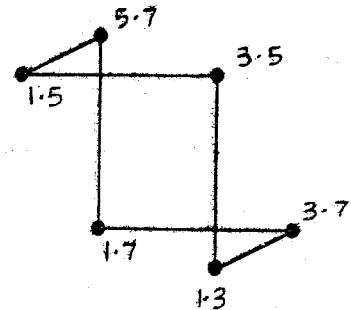
$$\frac{14}{14} \times \frac{8}{7} = \frac{88}{49}$$



INVERSIONS OF HEXANY

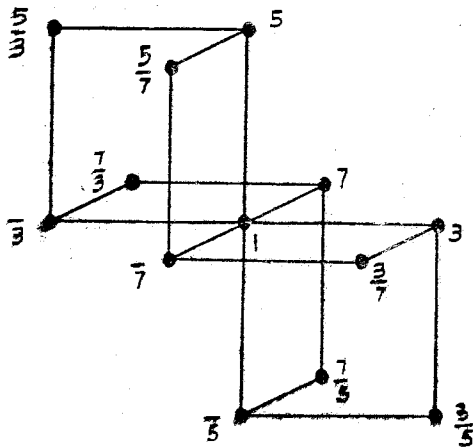


HEXANY-DIAMOND MANDALA

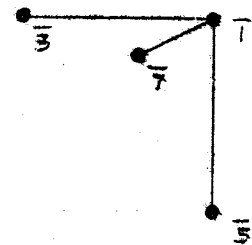


1.3.5.7 HEXANY

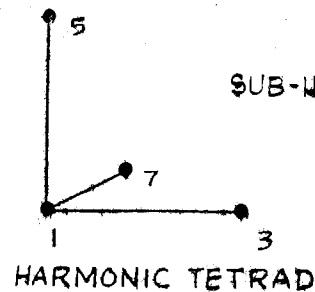
1	3
1	5
1	7
3	5
3	7
5	7



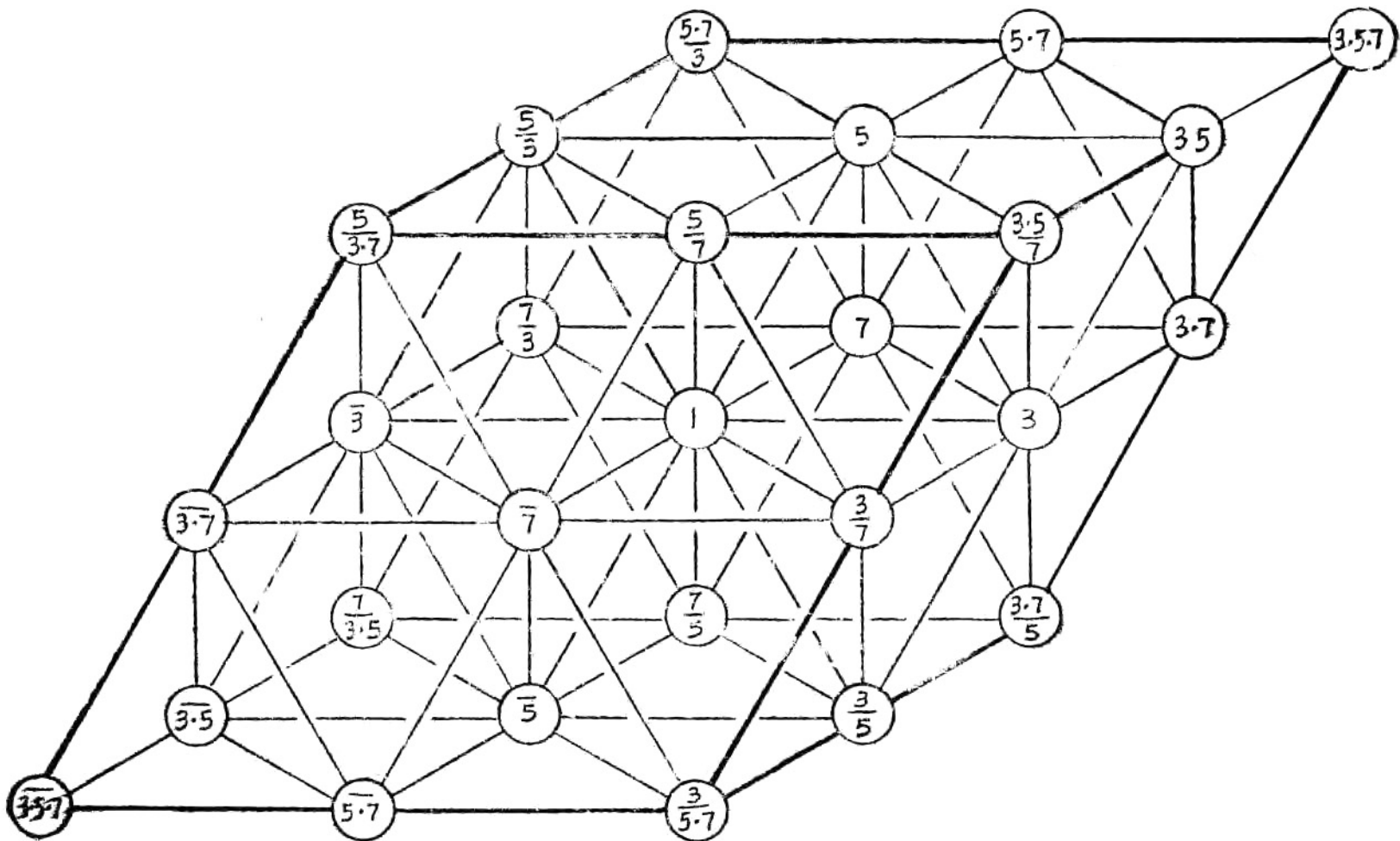
1.3.5.7 DIAMOND



SUB-HARMONIC TETRAD

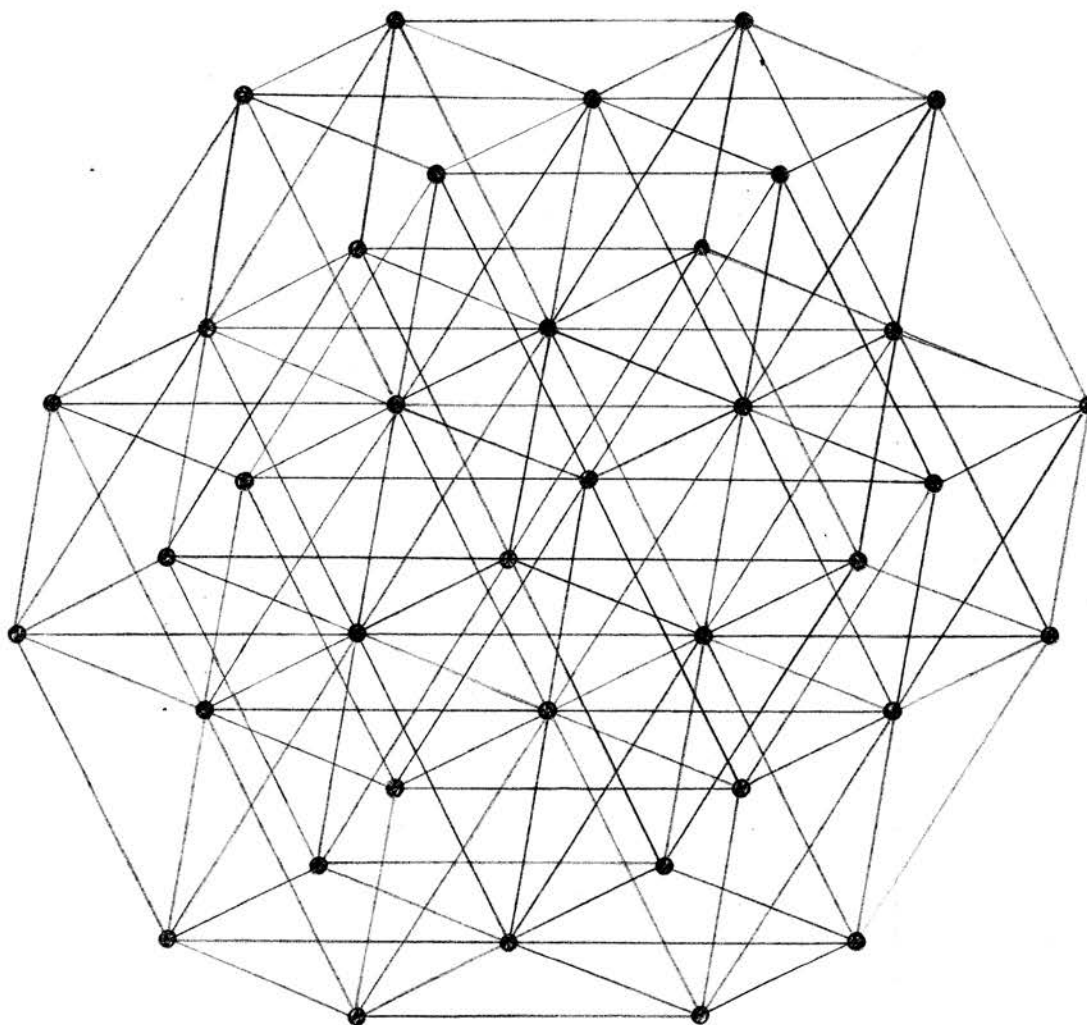


HARMONIC TETRAD

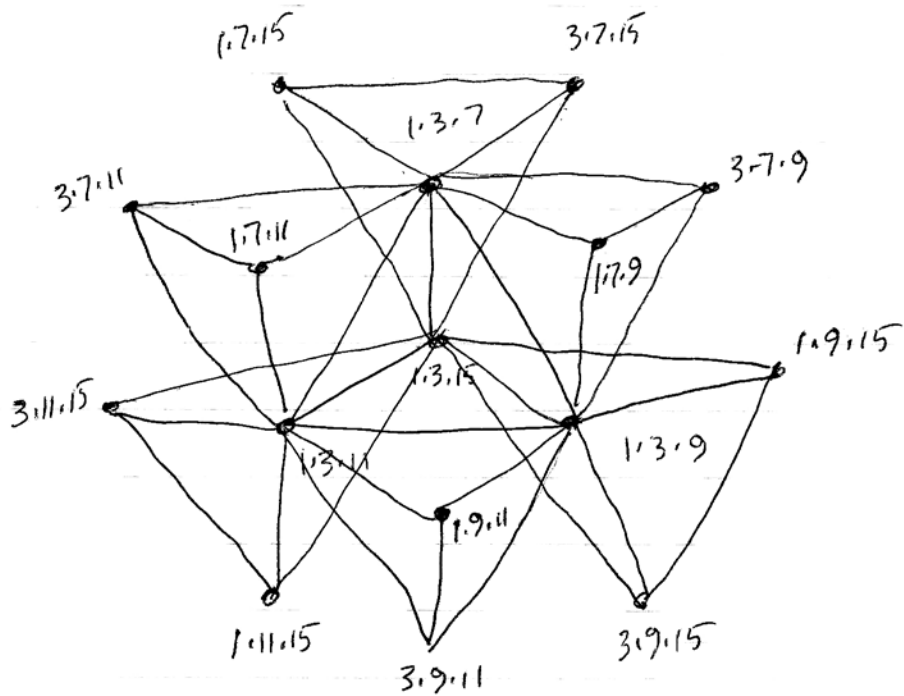


Aggregate Rotations
of Euler Genus 1-3-5-7

TETRADIC DIAMONDS CENTERED ON HEXANY POINTS



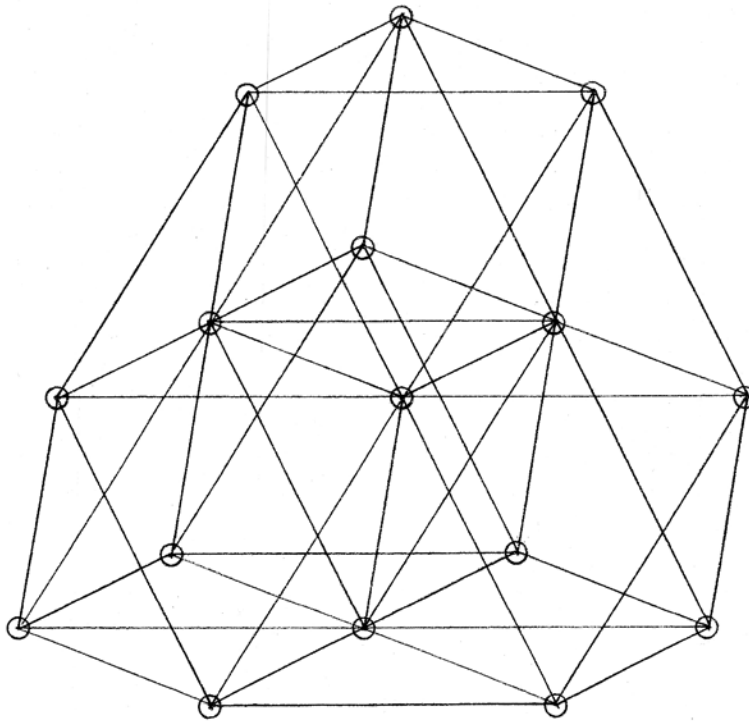
WILSON BLANK DECODED
BY K. GRADY 6/6/16



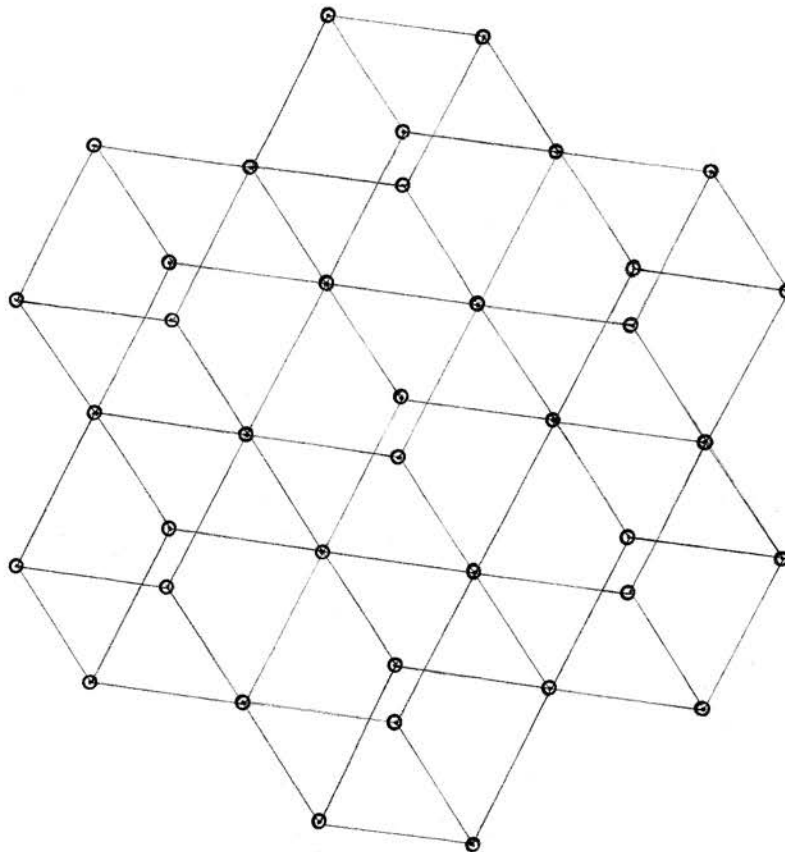
HEXANY / SUBHARMONIC CROSSET

TETRAD / HEXANY

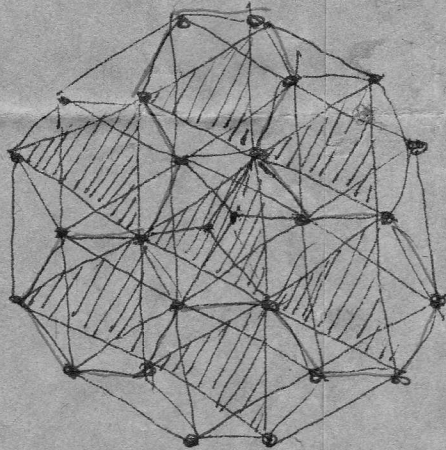
CROSS-SET



STELLATE HEXANY WHERE EACH TRIAD
IS EXTENDED TO A HEXANY
AND/OR
EACH DYAD IN A HEXANY IS
EXTENDED INTO ANOTHER HEXANY.



The hexang may be surrounded by 12 like
Hexangies, each intersecting at 2 points

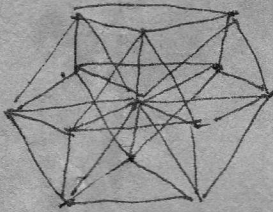


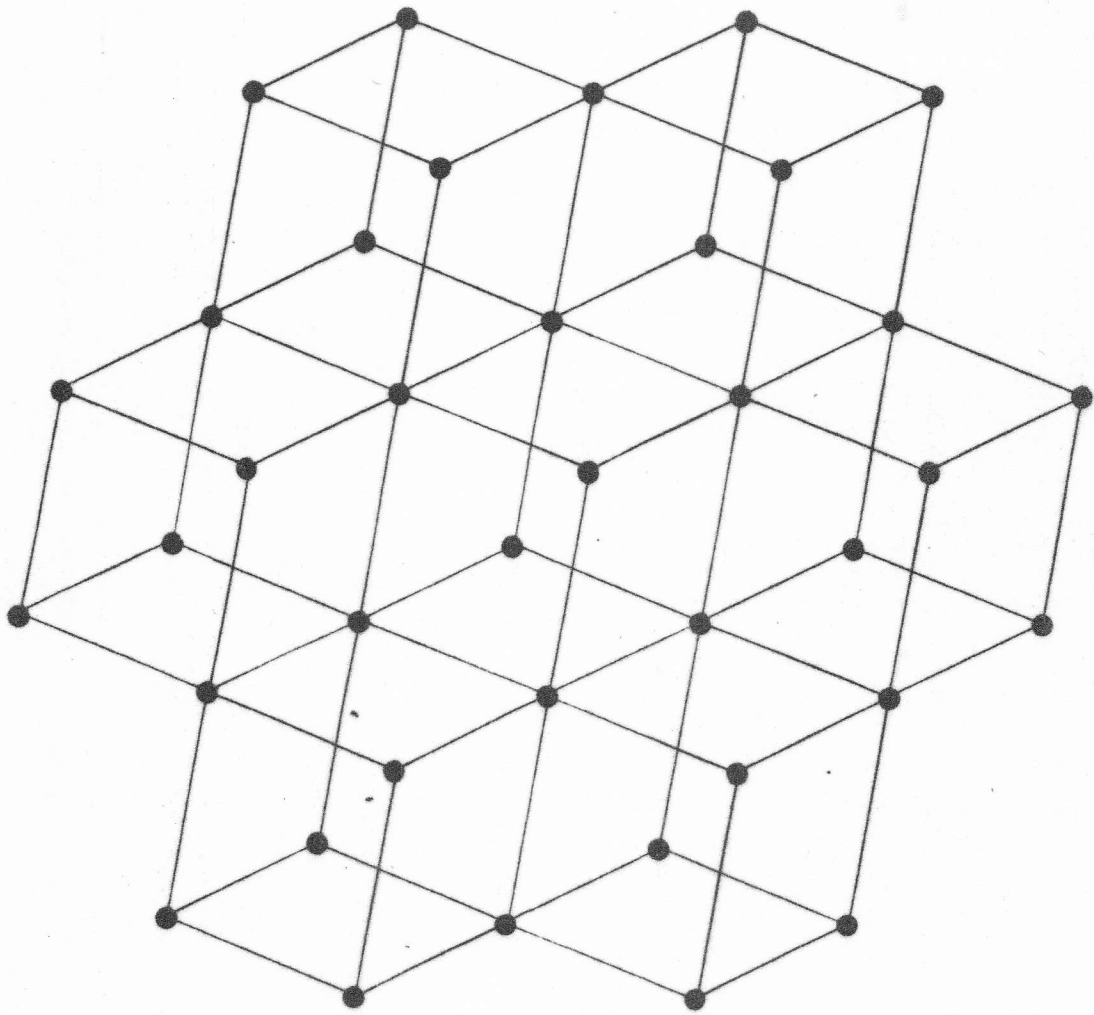
$$\begin{array}{r} 6 \\ 8 \\ \hline 24 \\ 38 \text{ tones} \end{array}$$

$$\begin{array}{r} 13 \\ 6 \\ \hline 78 \end{array}$$

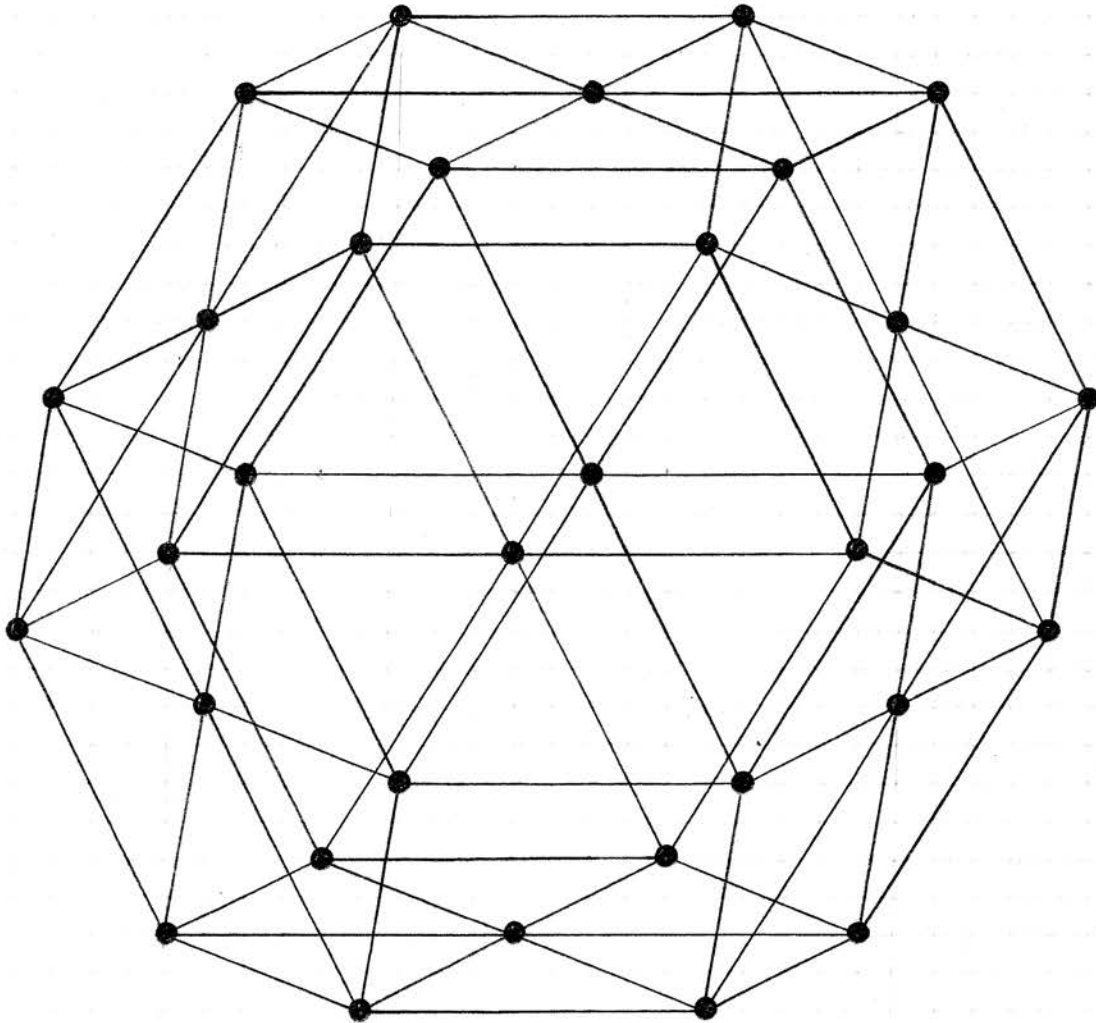
There will be 4 Six-Hexang rings ?
A ring has 24 tones

$$\begin{array}{r} DE \\ 81 \\ \hline 9219 \\ 53 \\ \hline 24 \\ 87 \\ \hline 21 \\ 891 \\ \hline 82 \end{array} \quad \left| \begin{array}{l} 6 \\ 9 \end{array} \right.$$



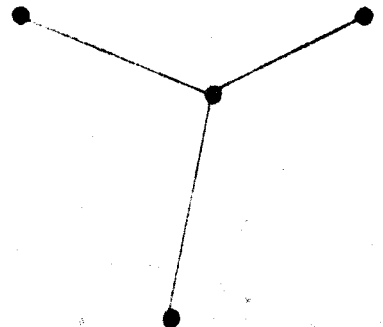
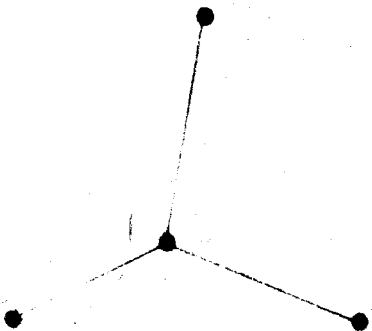
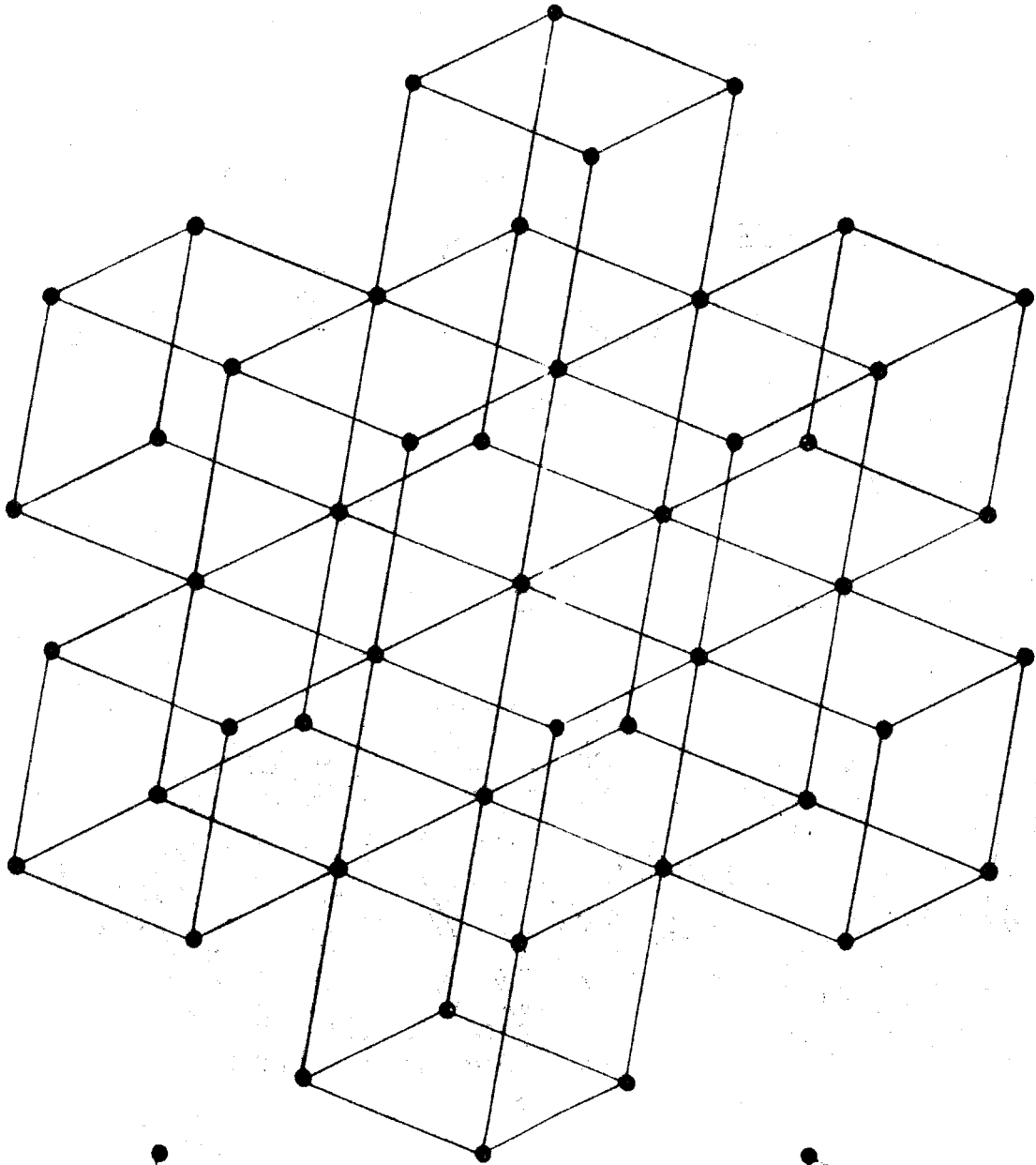


TETRADIC DIAMONDS CENTERED
ON HEXANY POINTS
WITH OMITTED
HEXANY

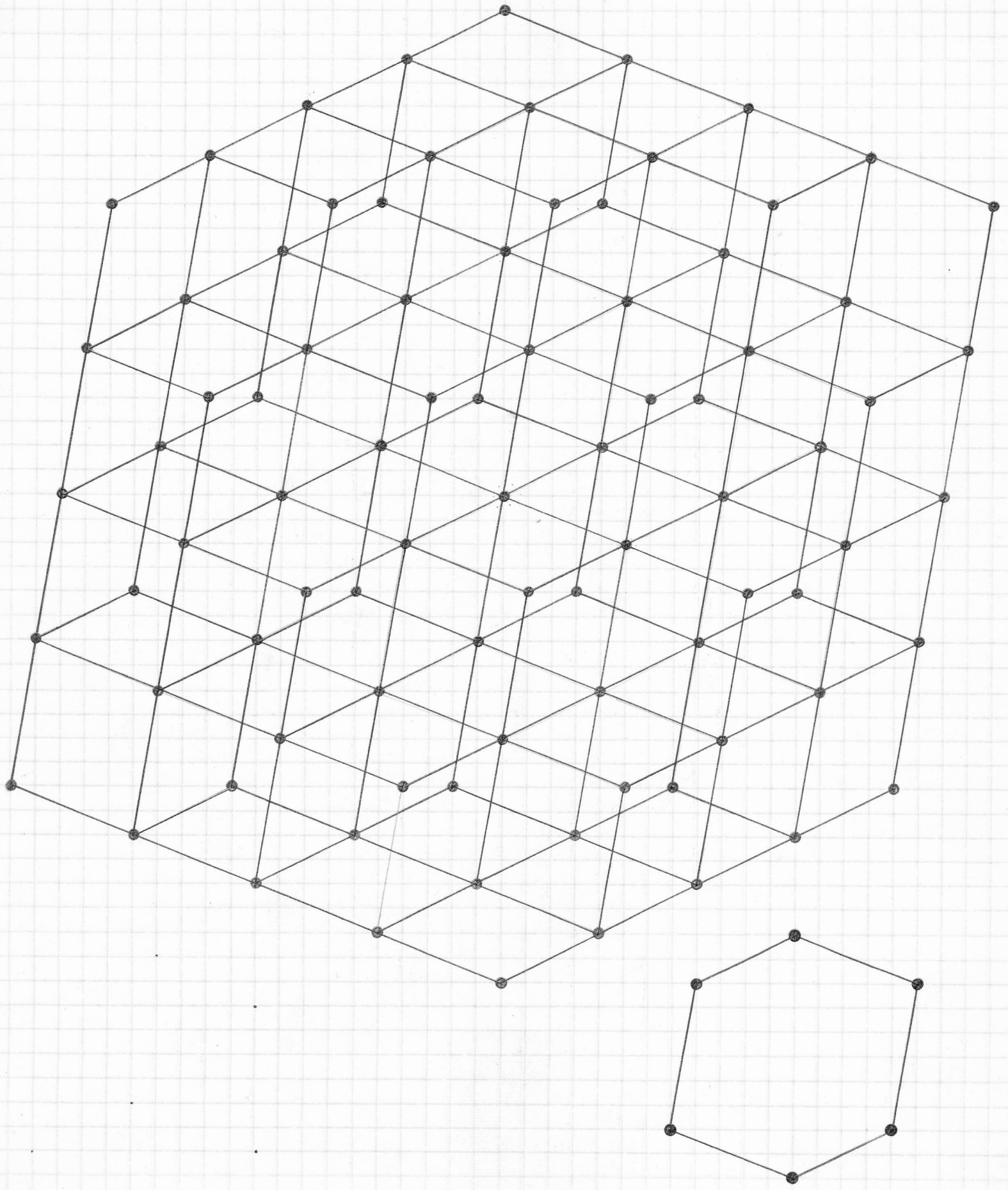


Lattice for Thrusby

© 1976 by Erv Wilsm

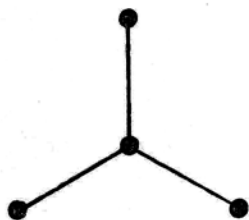
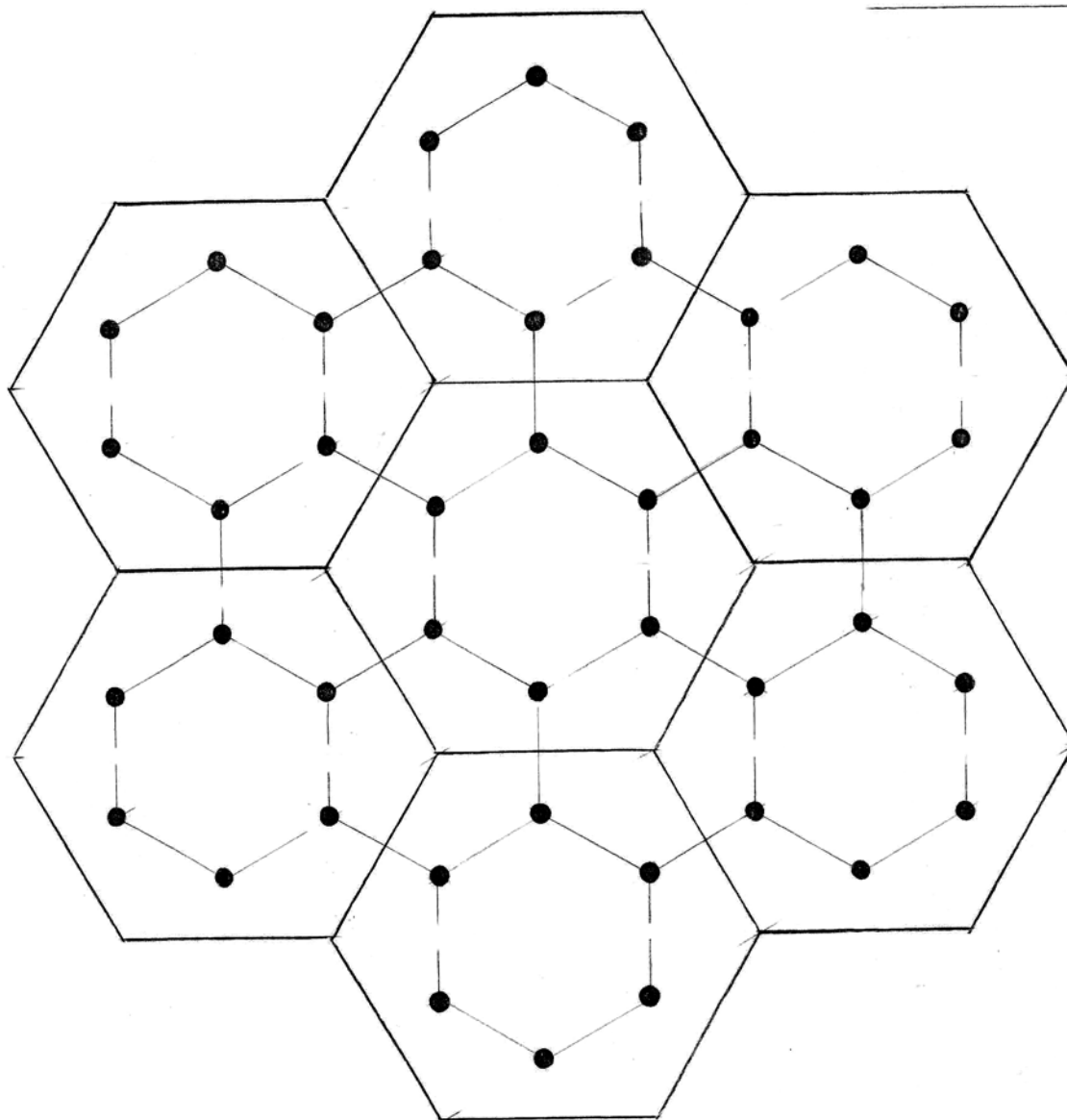


12
12
8



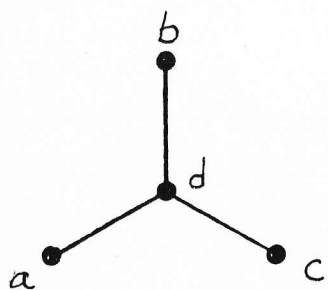
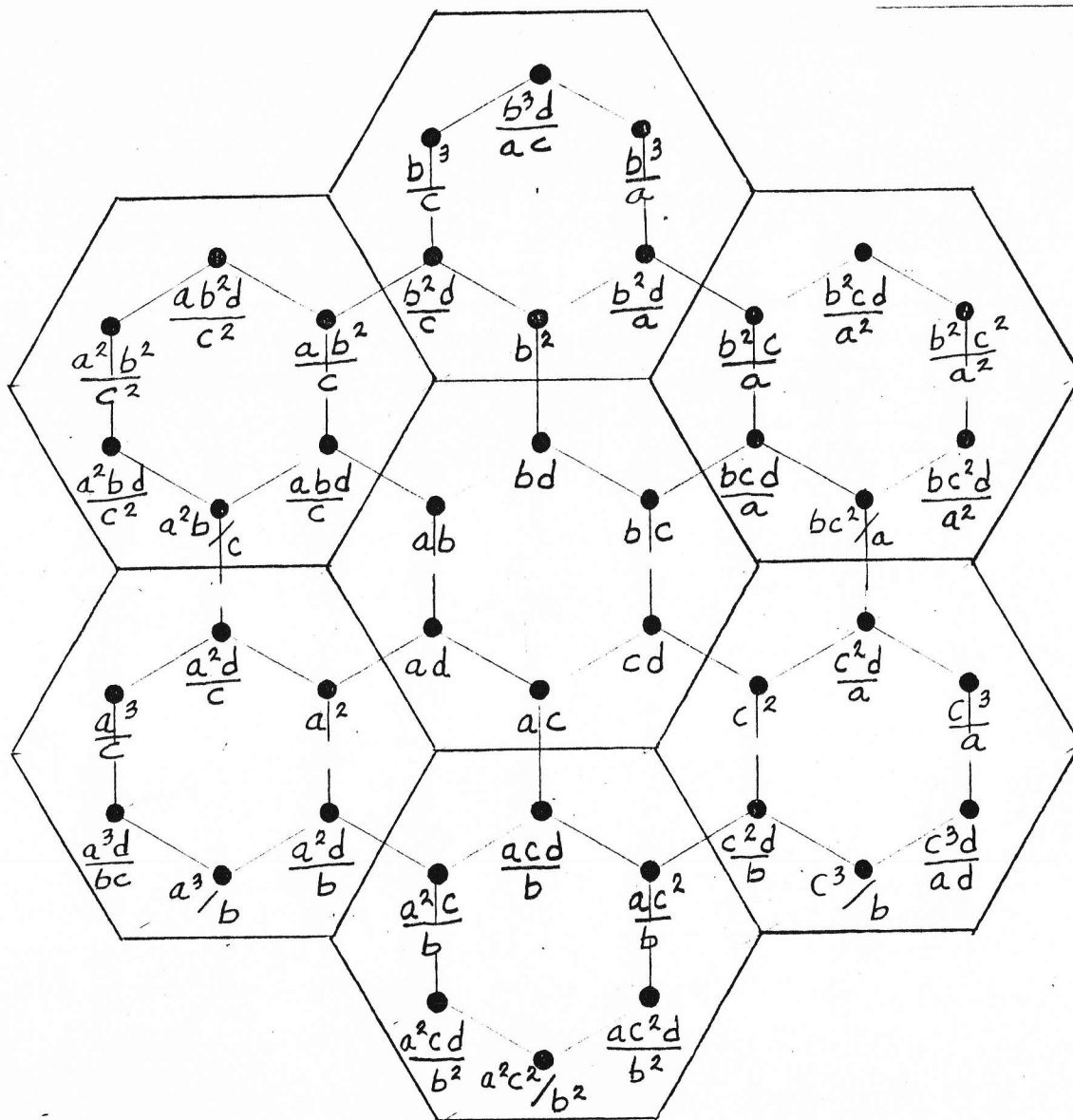
Voilà-Viola

©1997 by Erv Wilson



Voilà-Viola

©1997 by Erv Wilson



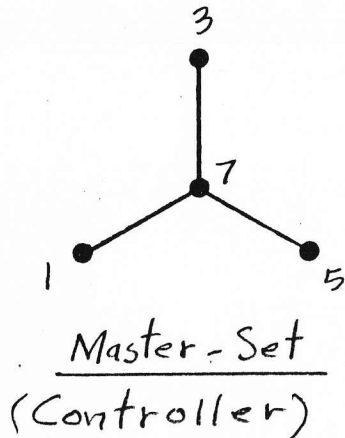
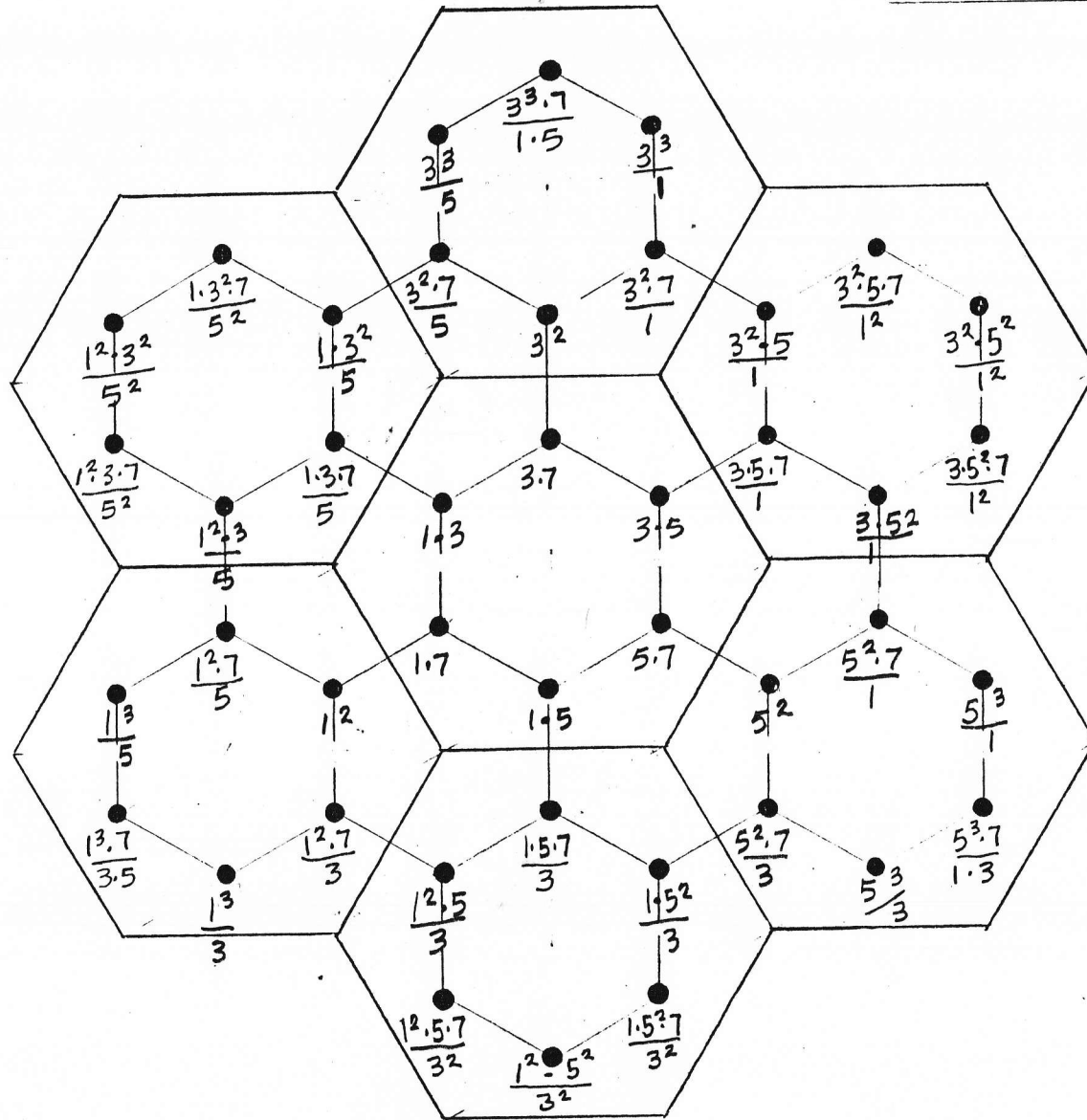
Master-Set

Setting for 2-out-of-4 $\binom{2}{4}$ a,b,c,d Hexany Array

Sheet 1
of 3 sheets

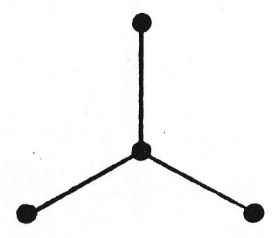
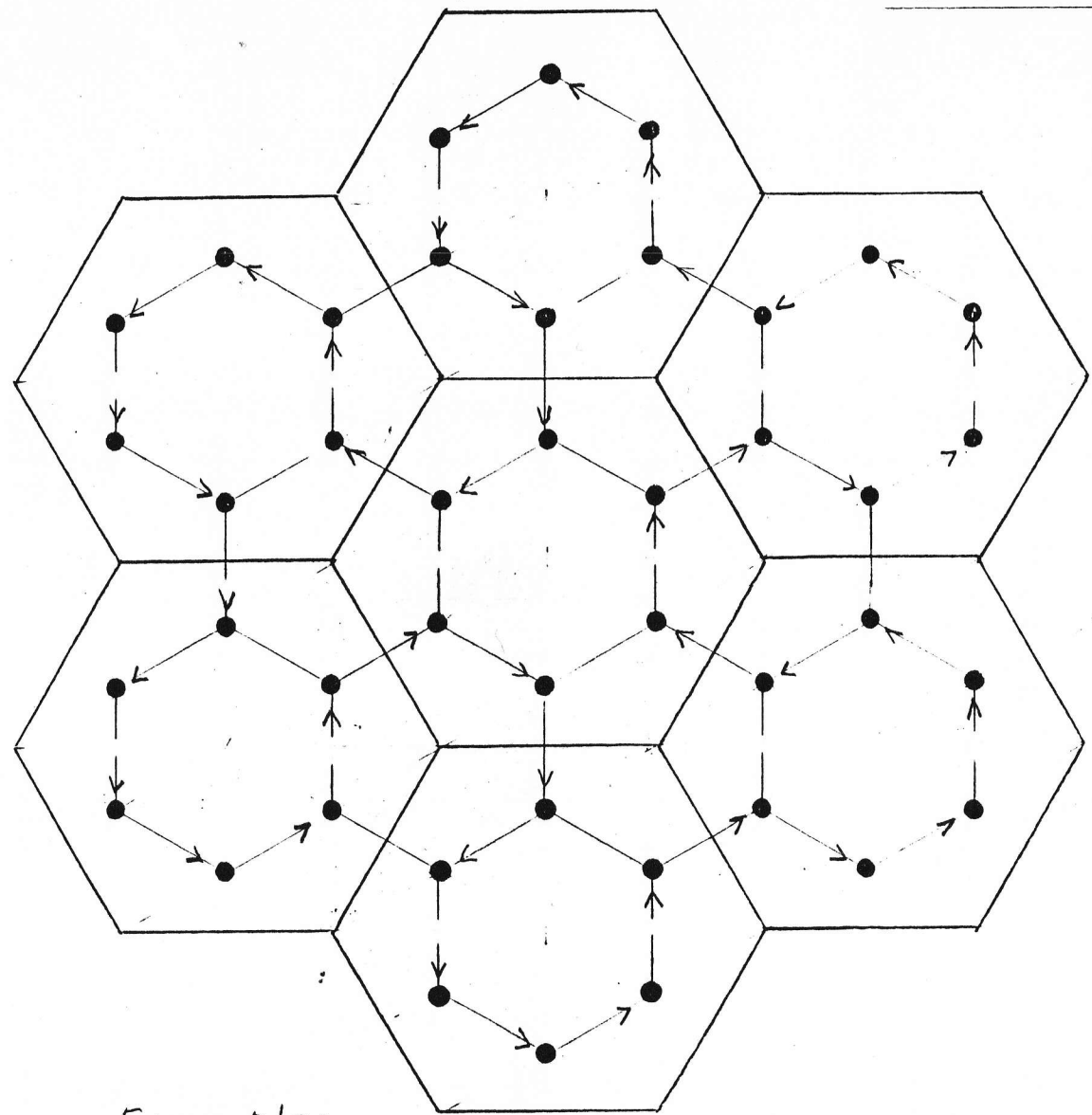
Voilà-Viola

©1997 by Erv Wilson



Example; Stage Setting for 1,3,5,7 Hexany Array

Sheet 2



Examples;
a non-intersecting pathway thru all 42 nodes.

E.W.