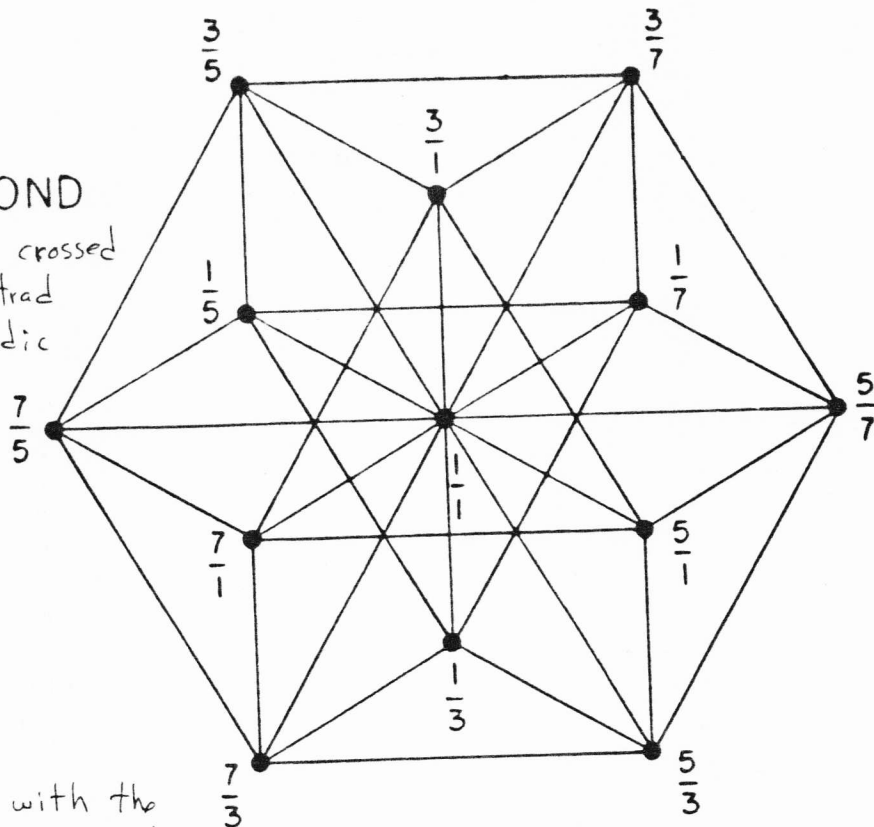


Tetradic 1-3-5-7 DIAMOND

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

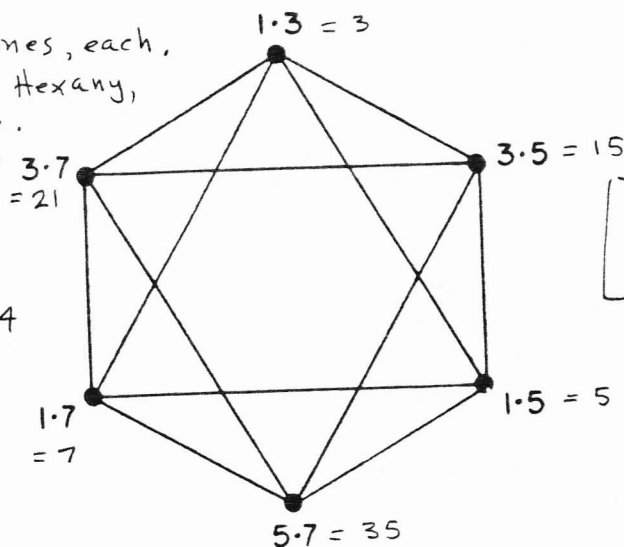


x	1	3	5	7
1	1/1	3/1	5/1	7/1
3	1/3	3/3	5/3	7/3
5	1/5	3/5	5/5	7/5
7	1/7	3/7	5/7	7/7

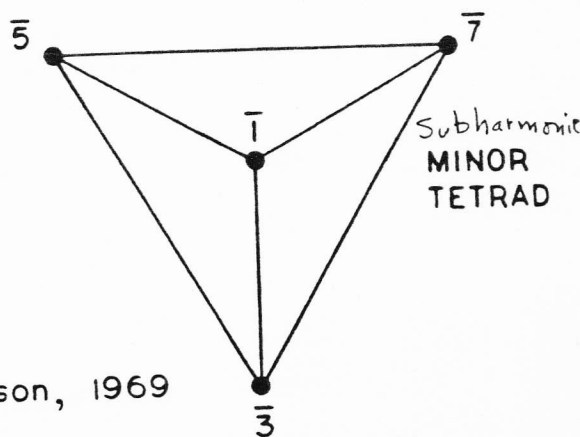
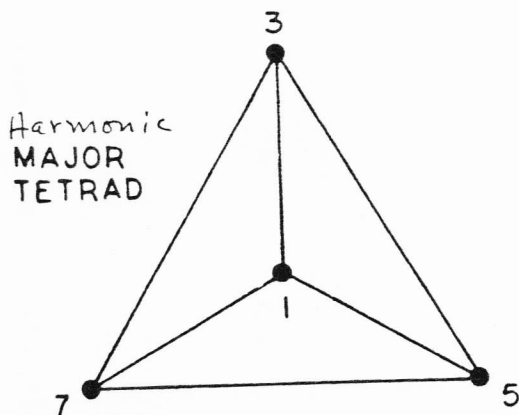
The Hexany interlocks with the Diamond. Six Hexanies surround the Diamond, interfacing by 5 tones, each. Likewise Six Diamonds surround the Hexany, interfacing by 5 tones, in each case. Together they fill Tetradic tone-space

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.

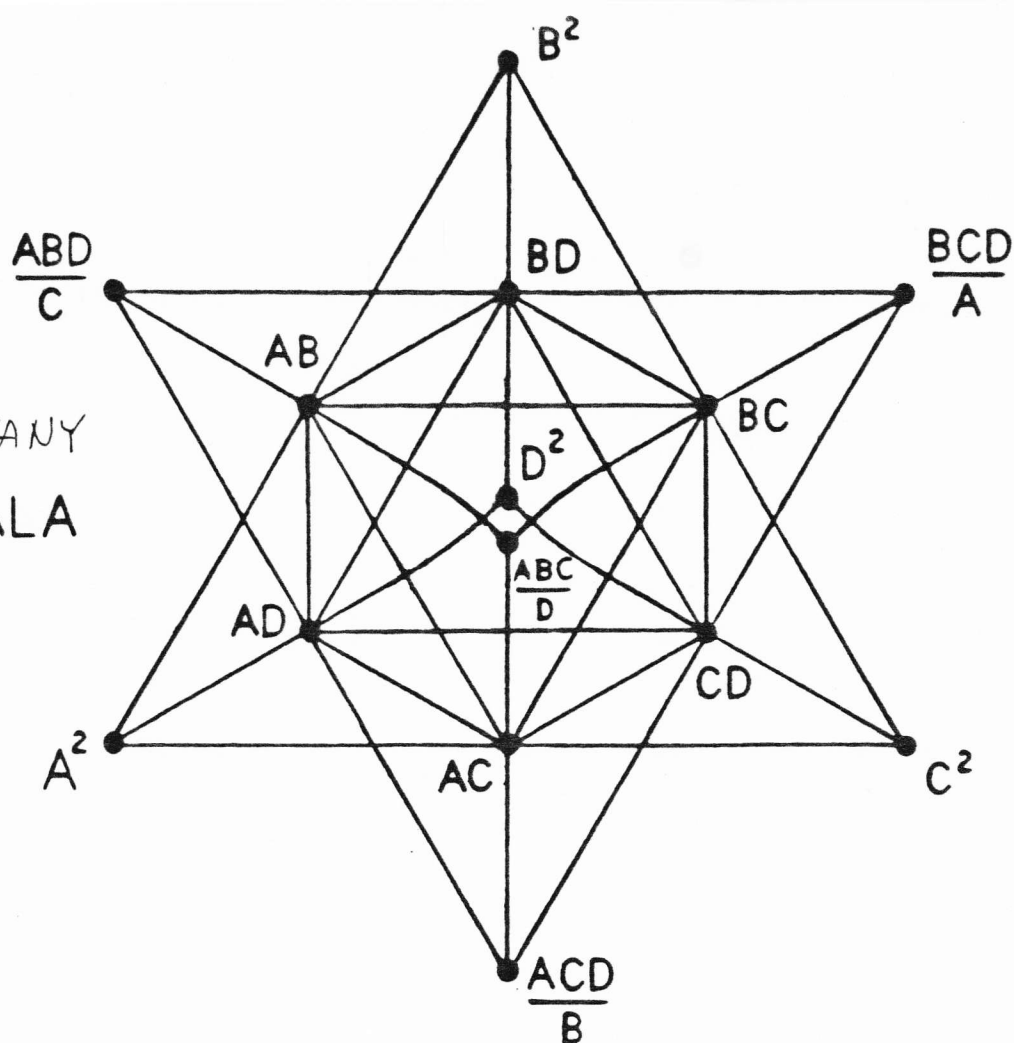


$$\left(\begin{matrix} 2 \\ 4 \end{matrix} \right) 1 \cdot 3 \cdot 5 \cdot 7$$

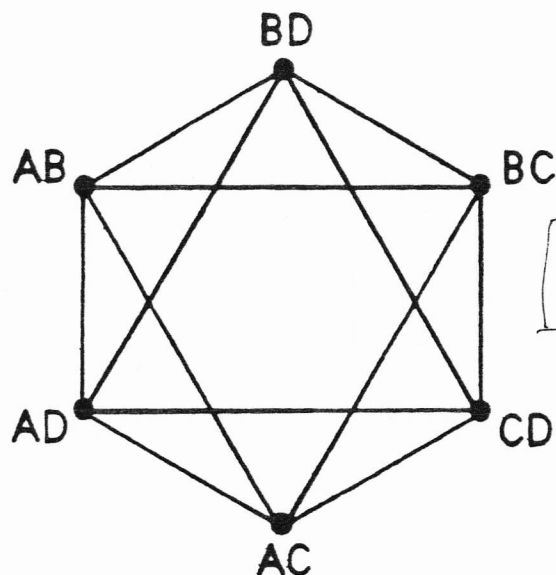


4 harmonic elements may be mapped to the centered-triangle, above, or to the tetrahedron, styrofoam lattice. Issued by Erv Wilson, 1969

STELLATE HEXANY MANDALA

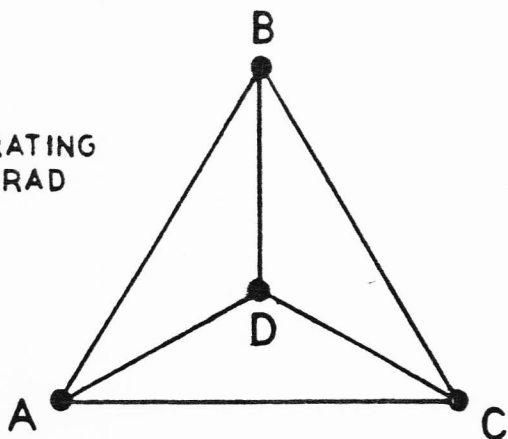


A-B-C-D HEXANY

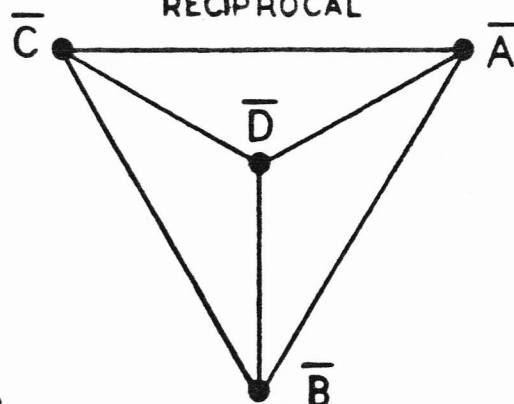


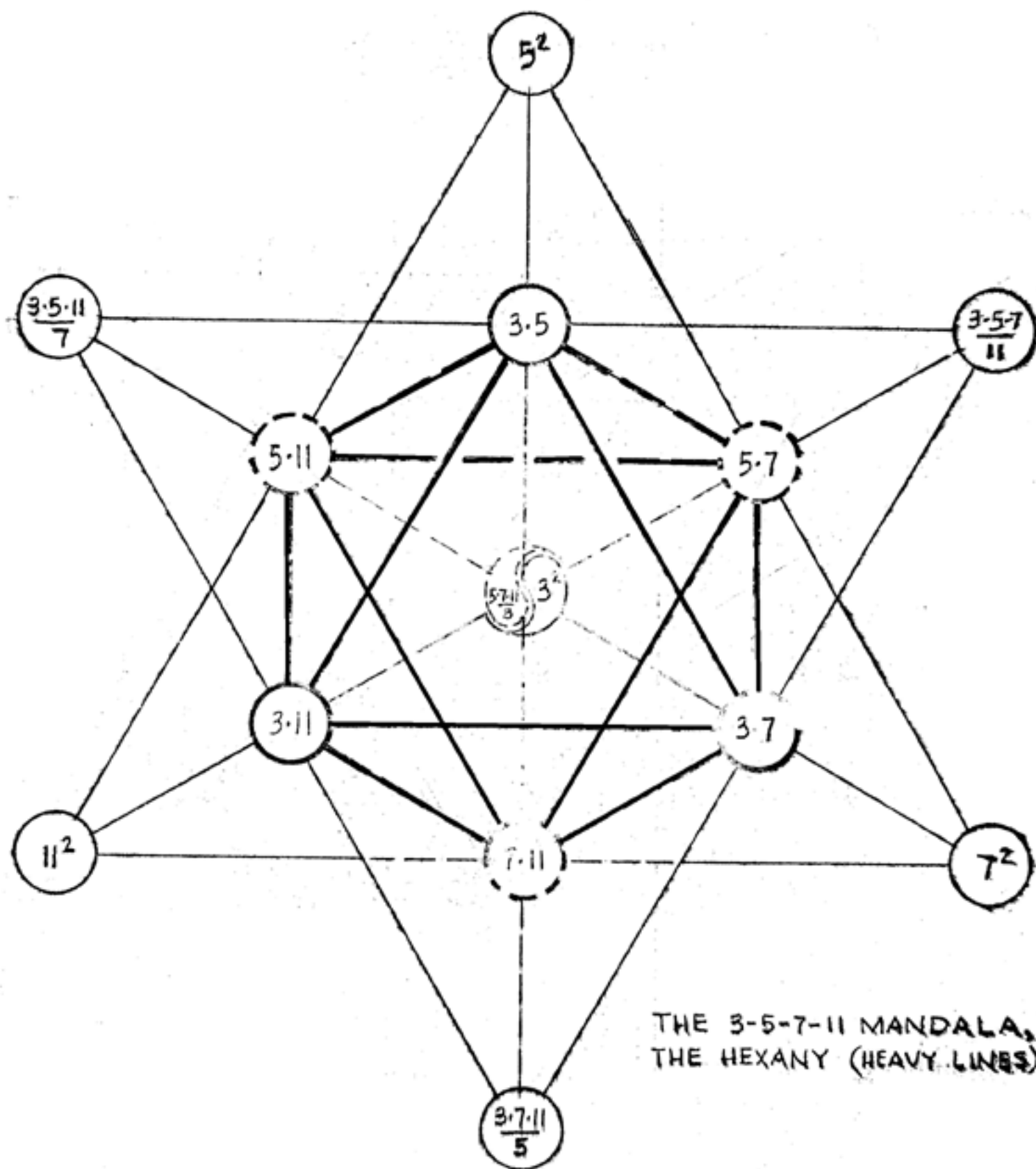
$$\left(\begin{matrix} 2 \\ 4 \end{matrix} \right) A \cdot B \cdot C \cdot D$$

GENERATING TETRAD



RECIPROCAL

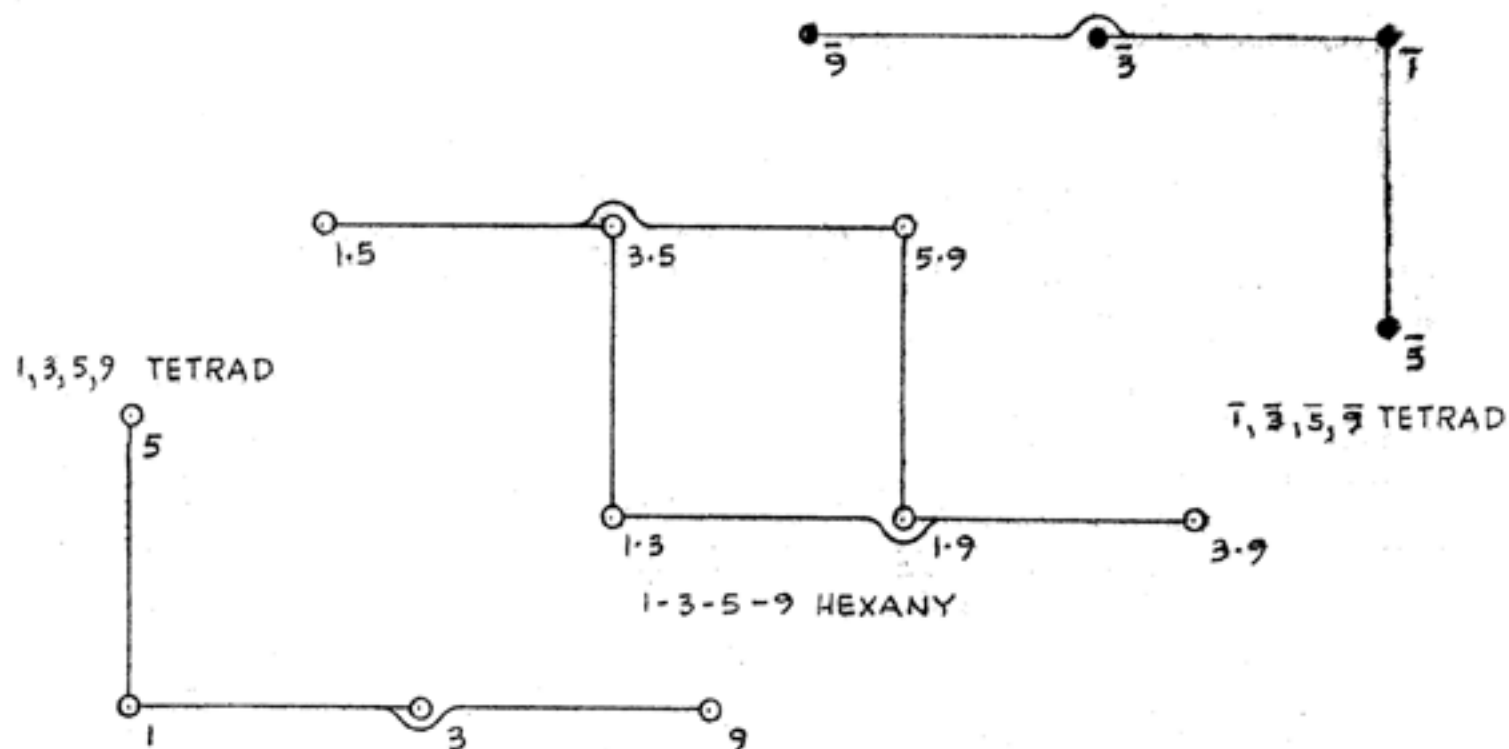




THE 3-5-7-11 MANDALA,
THE HEXANY (HEAVY LINES)

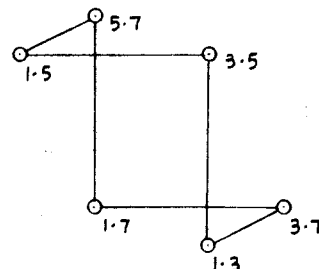
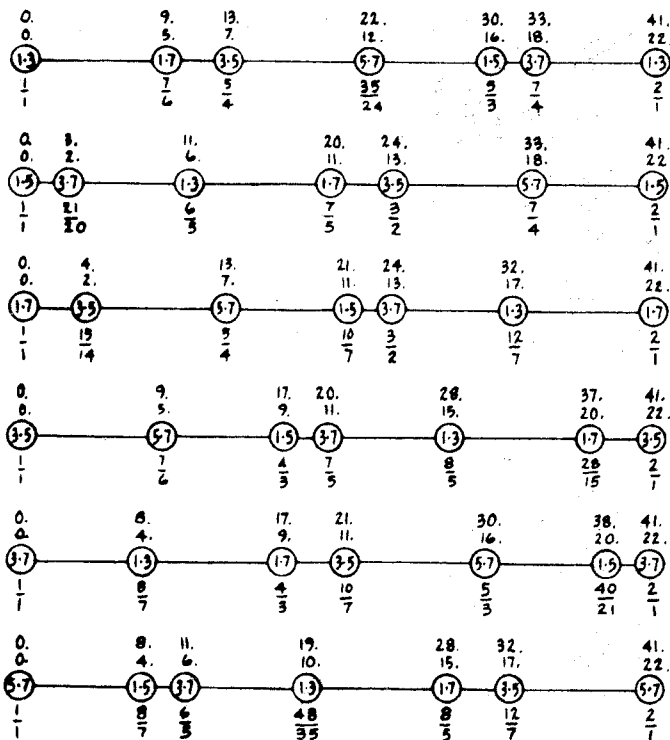
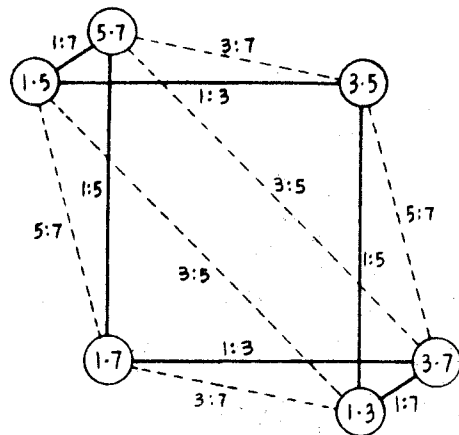
ISSUED BY ERV WILSON
27 JAN 1967

The 1-3-5-9 Hexany & Facets



	41 T	0.	7.	13.	24.	30.	37.	41.	
	31 T	0.	5.	10.	18.	23.	28.	31.	
	22 T	0.	4.	7.	13.	16.	20.	22.	
1-3-5-9 HEXANY		1.3	3.9	3.5	1.9	1.5	5.9	1.3	
1,3,5 FACETS		3	(3) 3	1	3	(3) 9	5	3	I
1,3,9 FACETS		9	(5) 1	3	5	1	(3) 9	3	II
1,9,5 FACETS		1	9	5	(3) 3	9	1	1	III
3,9,5 FACETS		3	5	9	(1) (1) 9	5	3	3	IV

5 7



41T 0. 9. 13. 22. 30. 33. 41.
31T 0. 7. 10. 17. 23. 25. 31.
22T 0. 5. 7. 12. 16. 18. 22.

1-3-5-7 HEXANY

● SUBHARMONIC FACETS
○ HARMONIC FACETS

I

The facets have 3 tones and are shown in pairs of opposites.)

II

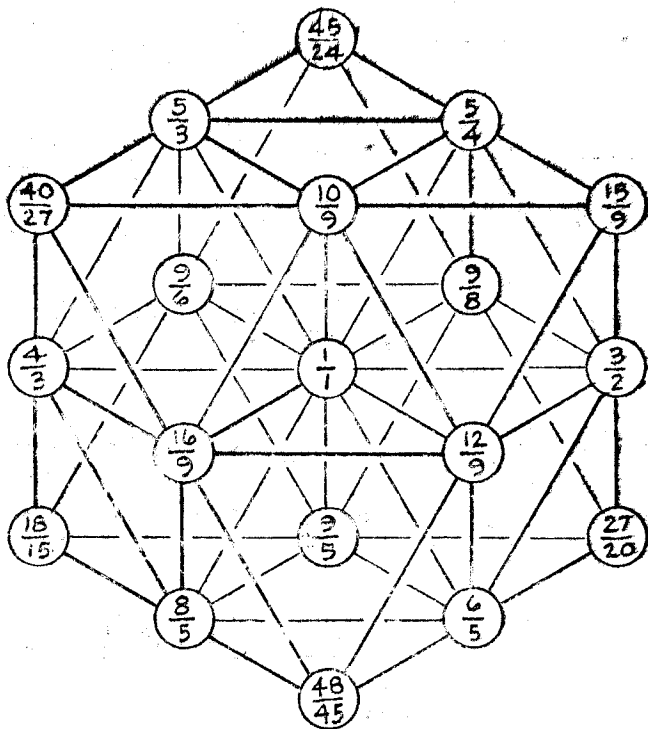
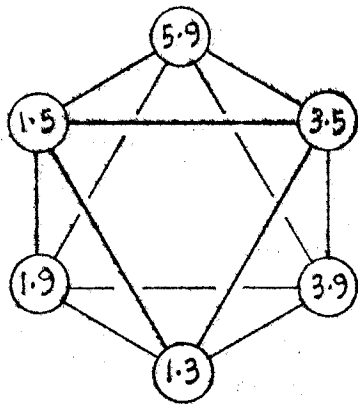
III

IV

(The facets have 3 tones and are shown in pairs of opposites.)

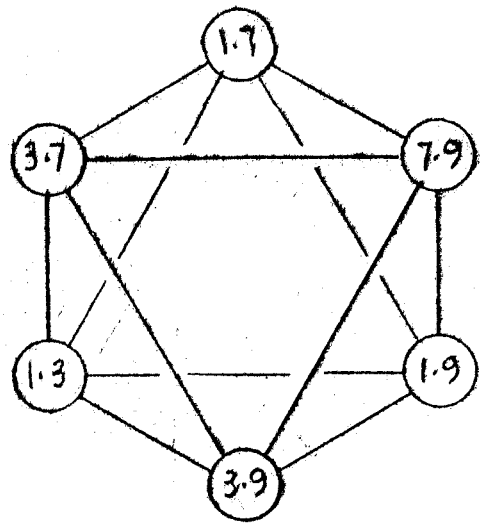
Issued by Erv Wilson 17 Jul 67

(COMMON-TONE AGGREGATE)



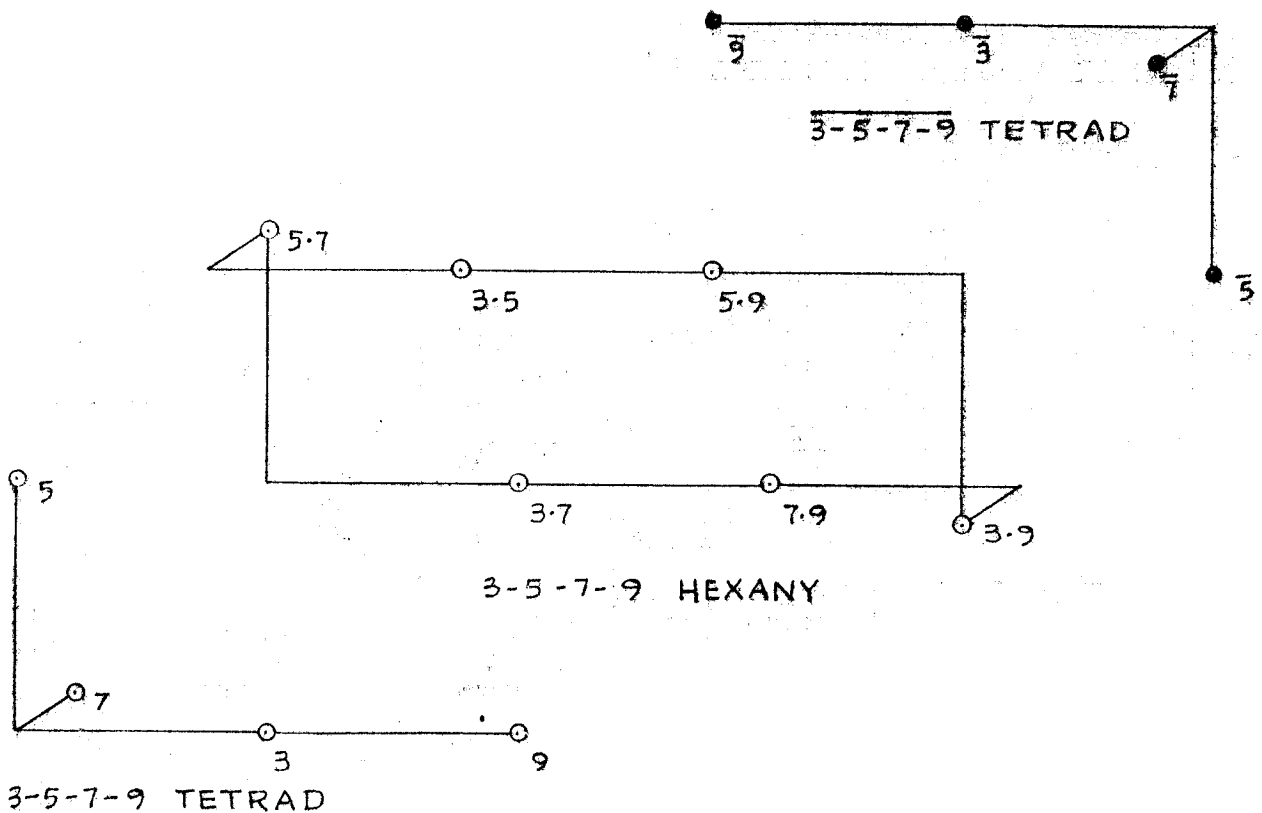
0. 0.	7. 4.	13. 7.	24. 13.	30. 16.	37. 20.	41. 22.
(1.3)	(3.9)	(3.5)	(1.9)	(1.5)	(5.9)	(1.3)
$\frac{1}{1}$	$\frac{9}{8}$	$\frac{5}{4}$	$\frac{9}{6} (\frac{3}{2})$	$\frac{5}{3}$	$\frac{45}{24} (\frac{15}{8})$	$\frac{2}{1}$
0. 0.	7. 4.	11. 6.	18. 10.	24. 13.	35. 19.	41. 22.
(1.5)	(5.9)	(1.3)	(3.9)	(3.5)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

1.3.7.9 Hexany



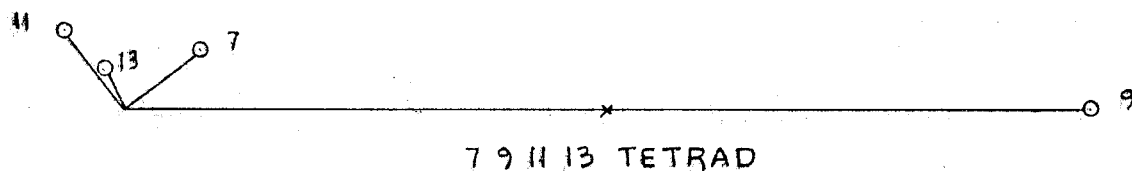
0. 0.	7. 4.	9. 5.	16. 9.	24. 13.	33. 18.	41. 22.
(1.3)	(3.9)	(1.7)	(7.9)	(1.9)	(3.7)	(1.3)
$\frac{1}{1}$	$\frac{9}{8}$	$\frac{7}{6}$	$\frac{21}{16}$	$\frac{9}{6}$	$\frac{7}{4}$	$\frac{2}{1}$
0. 0.	7. 4.	15. 8.	24. 13.	32. 17.	39. 21.	41. 22.
(1.7)	(7.9)	(1.9)	(3.7)	(1.3)	(3.9)	(1.7)
$\frac{1}{1}$	$\frac{9}{8}$	$\frac{9}{7}$	$\frac{3}{2}$	$\frac{12}{7}$	$\frac{54}{28}$	$\frac{2}{1}$
0. 0.	9. 5.	17. 9.	24. 13.	26. 14.	33. 18.	41. 22.
(1.9)	(3.7)	(1.3)	(3.9)	(1.7)	(7.9)	(1.9)
$\frac{1}{1}$	$\frac{21}{18}$	$\frac{12}{9}$	$\frac{3}{2}$	$\frac{14}{9}$	$\frac{7}{4}$	$\frac{2}{1}$
0. 0.	8. 4.	15. 8.	17. 9.	24. 13.	32. 17.	41. 22.
(3.7)	(1.3)	(3.9)	(1.7)	(7.9)	(1.9)	(3.7)
$\frac{1}{1}$	$\frac{8}{7}$	$\frac{9}{7}$	$\frac{4}{3}$	$\frac{9}{6}$	$\frac{36}{21}$	$\frac{2}{1}$
0. 0.	2. 1.	9. 5.	17. 9.	26. 14.	34. 18.	41. 22.
(3.9)	(1.7)	(7.9)	(1.9)	(3.7)	(1.3)	(3.9)
$\frac{1}{1}$	$\frac{7}{6}$	$\frac{4}{3}$	$\frac{14}{9}$	$\frac{16}{9}$	$\frac{2}{1}$	
0. 0.	8. 4.	17. 9.	25. 13.	32. 17.	34. 18.	41. 22.
(7.9)	(1.9)	(3.7)	(1.3)	(3.9)	(1.7)	(7.9)
$\frac{1}{1}$	$\frac{8}{7}$	$\frac{12}{9}$	$\frac{32}{21}$	$\frac{12}{7}$	$\frac{16}{9}$	$\frac{2}{1}$

3-5-7-9 HEXANY & FACETS



	41	0.	6.	9.	15.	26.	30.	41.
	31	0.	5.	7.	12.	20.	23.	31.
	22	0.	3.	5.	8.	14.	16.	22.
3-5-7-9 HEXANY	3-9	3-5	7-9	5-7	3-7	5-9	3-9	
3-5-7 FACETS	3	7	7	3	5	5	3	I
3-5-9 FACETS	5	5	9	5	3	3	5	II
3-7-9 FACETS	7	3	3	7	5	9	7	III
5-7-9 FACETS	9	5	5	9	7	7	9	IV

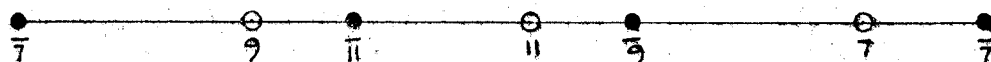
7-9-11-13 Hexany



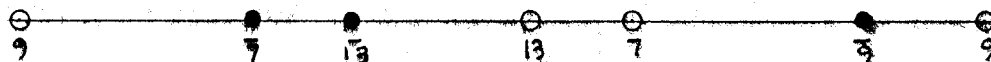
4IT	0.	10.	14.	22.	26.	36.	41.
3IT	0.	8.	11.	17.	20.	28.	31.
22T	0.	6.	8.	12.	14.	20.	22.
HEXANY:	9-11	9-13	7-9	11-13	7-11	7-13	9-11

FACETS:

11-9-7, 7-9-11



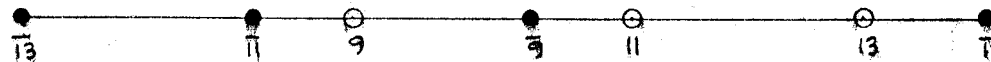
13-9-7, 7-9-13

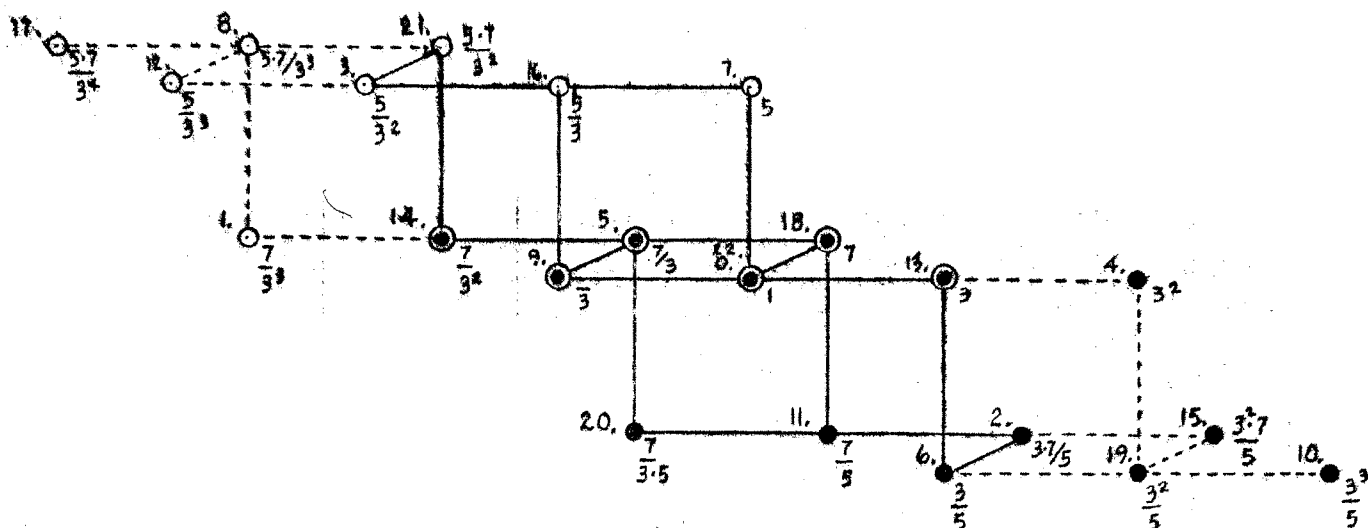


13-11-7, 7-11-13



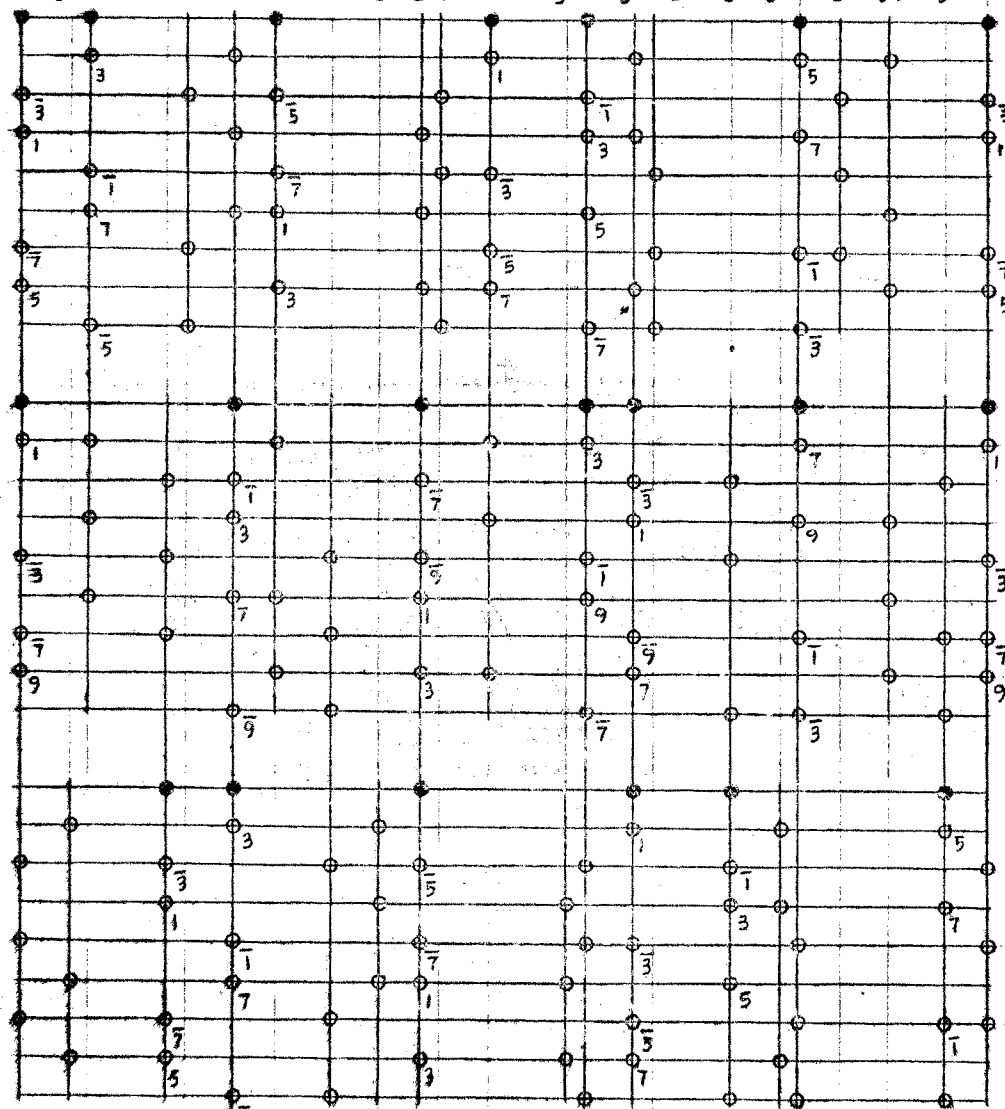
13-11-9, 9-11-13





0. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.

1 $\frac{7}{3^3}$ $\frac{3 \cdot 7}{5}$ $\frac{5}{3^2}$ $\frac{7}{3}$ $\frac{3}{5}$ 5 $\frac{5 \cdot 7}{3^3}$ $\frac{3^3}{5}$ $\frac{7}{5}$ $\frac{5}{3^3}$ $\frac{7}{3^2}$ $\frac{3 \cdot 7}{5}$ $\frac{5}{3}$ $\frac{5 \cdot 7}{3^4}$ $\frac{7}{5}$ $\frac{3^2}{5}$ $\frac{7}{3 \cdot 5}$ $\frac{5 \cdot 7}{3^2}$ $\frac{7}{5}$



HEXANYIS

1-3-5-7 BASIC

1-3-5-9
1-3-5-9
1-3-7-9
1-3-7-9
1-5-7-9
1-5-7-9
3-5-7-9
3-5-7-9

CONJUNCT
FACETS

1-3-7-9 BASIC

1-3-5-7
1-3-5-7
1-3-5-9
1-3-5-9
1-5-7-9
1-5-7-9
3-5-7-9
3-5-7-9

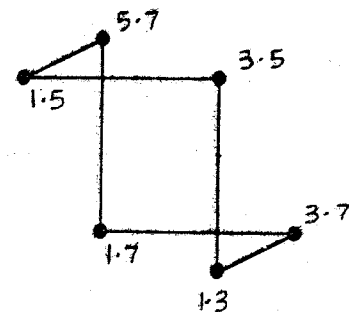
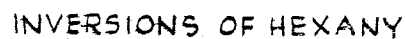
CONJUNCT
FACETS

1-3-5-7 BASIC

1-3-5-9
1-3-5-9
1-3-7-9
1-3-7-9
1-5-7-9
1-5-7-9
3-5-7-9
3-5-7-9

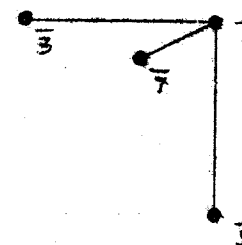
CONJUNCT
FACETS

A STUDY IN CONJUNCT FACETS

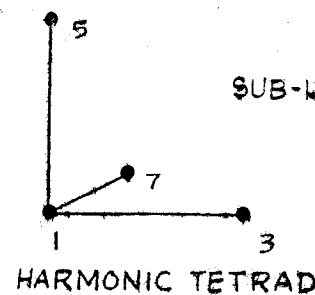


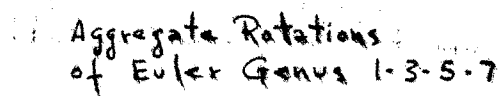
1-3-5-7 HEXANY

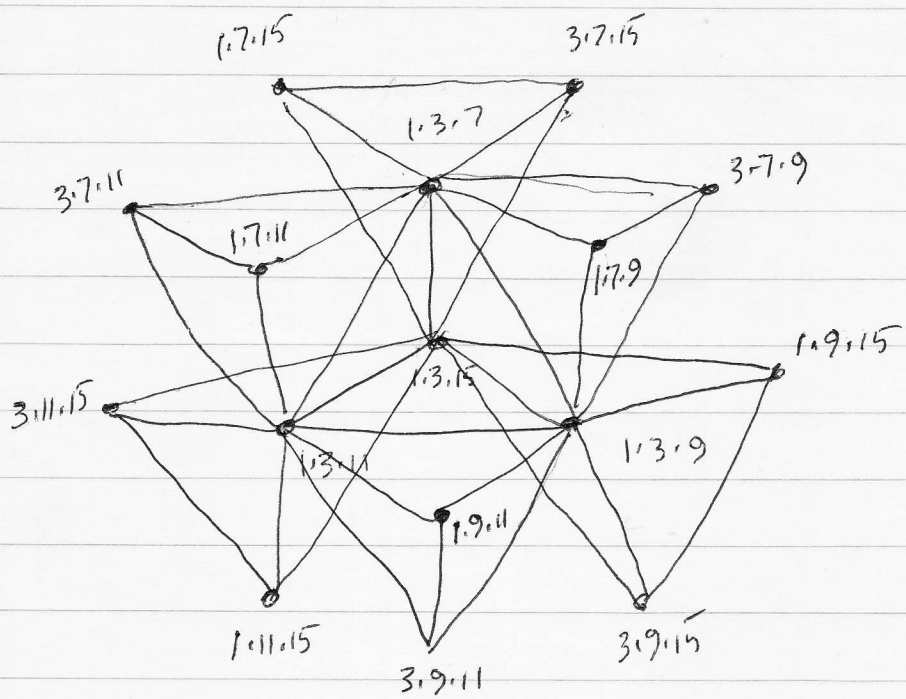
| | | | |
|---|---|---|---|
| 1 | 3 | | |
| 1 | | 5 | |
| 1 | | | 7 |
| | 3 | 5 | |
| | 3 | | 7 |
| | | 5 | 7 |

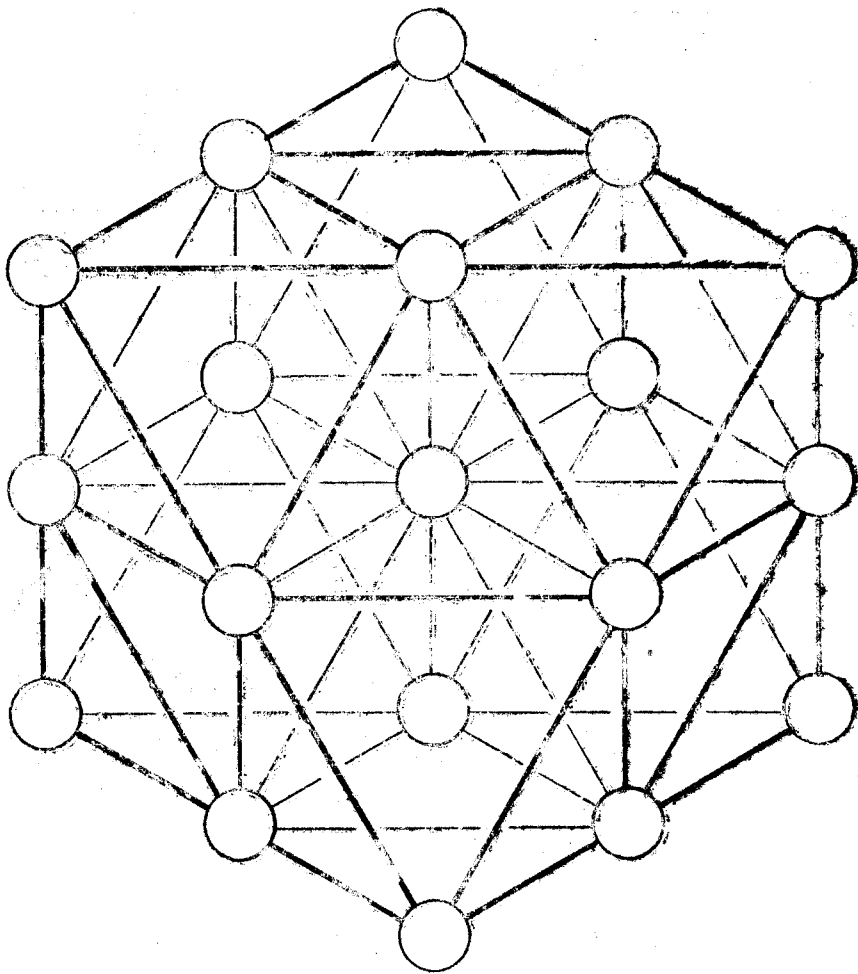
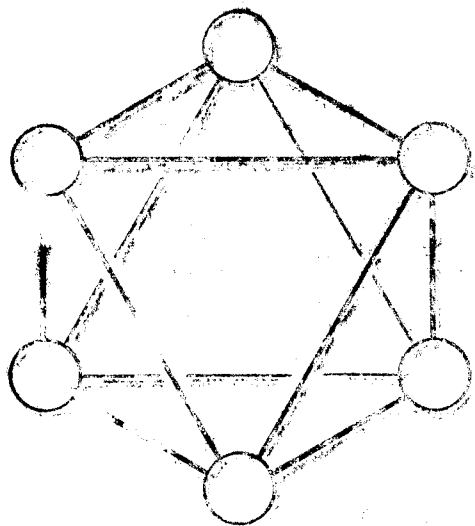


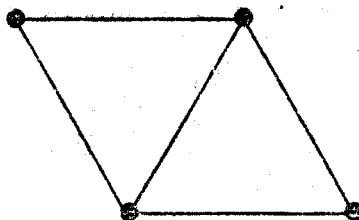
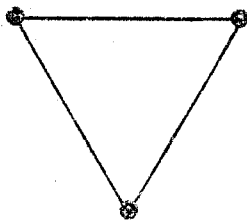
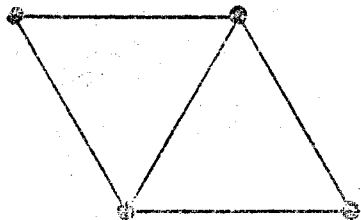
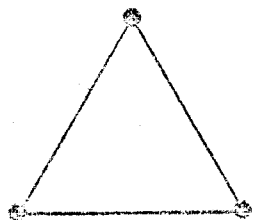
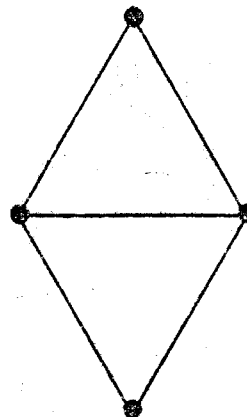
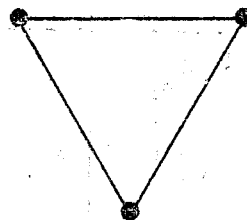
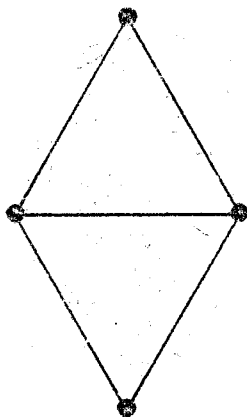
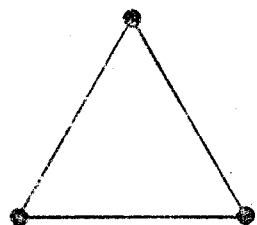
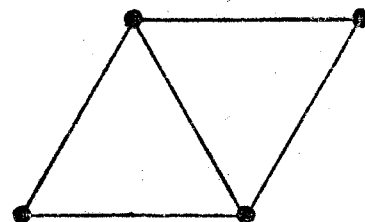
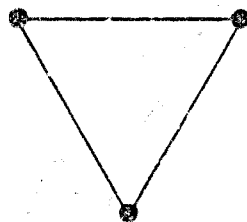
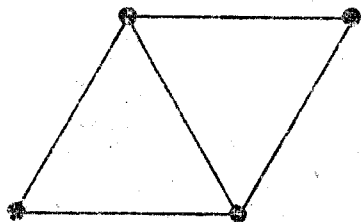
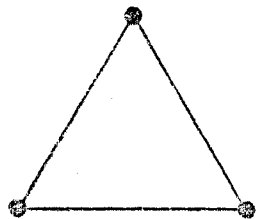
SUB-HARMONIC TETRAD

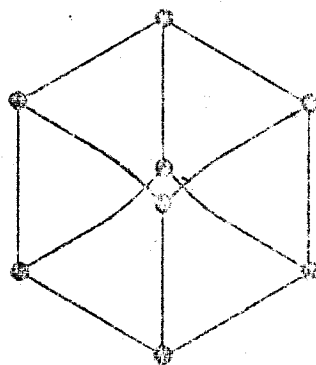
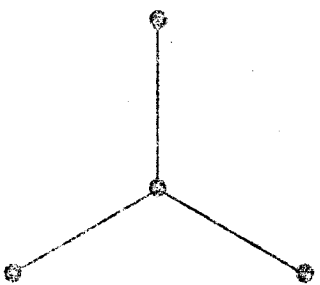
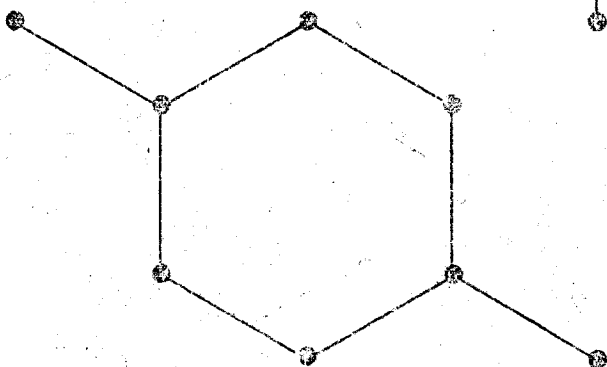
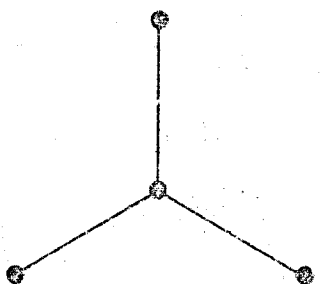
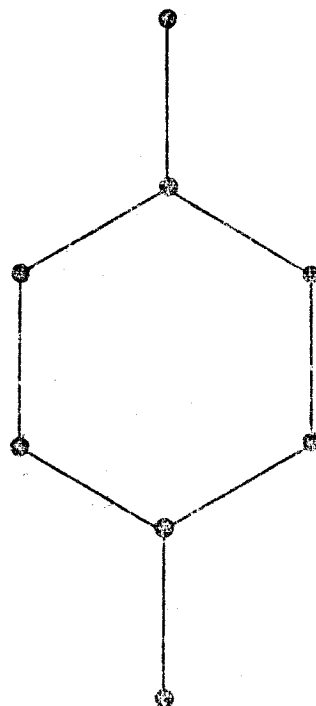
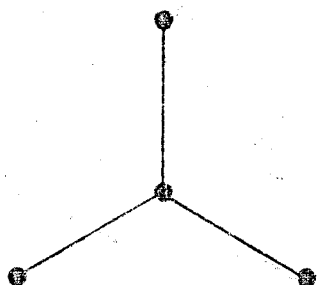
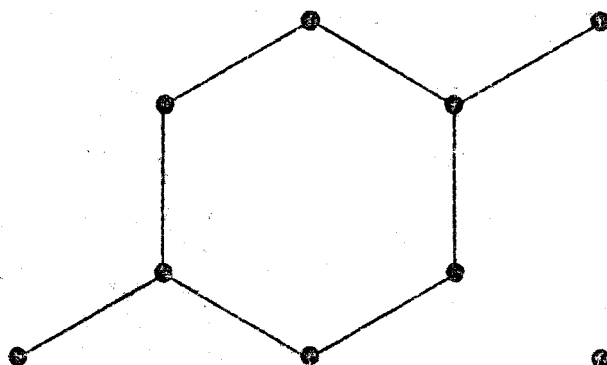
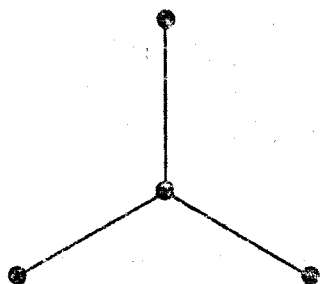


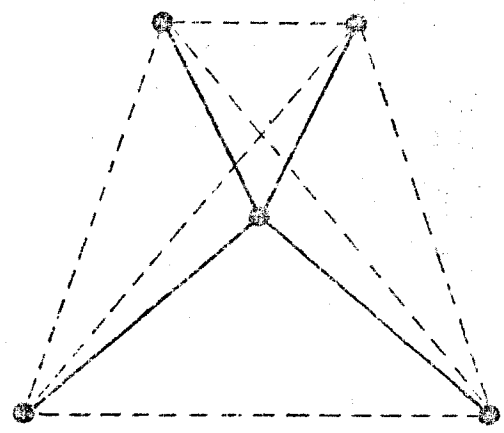
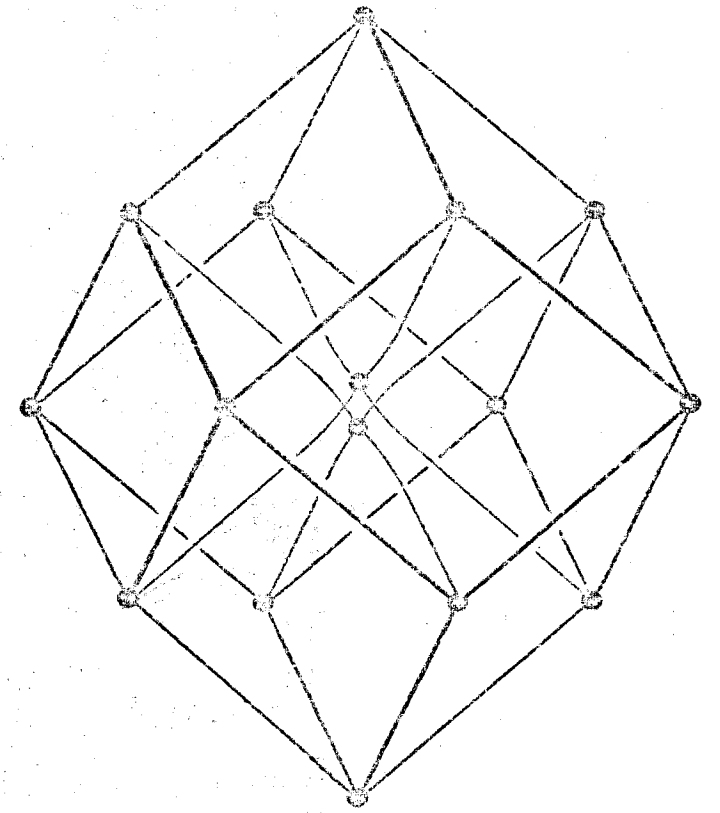
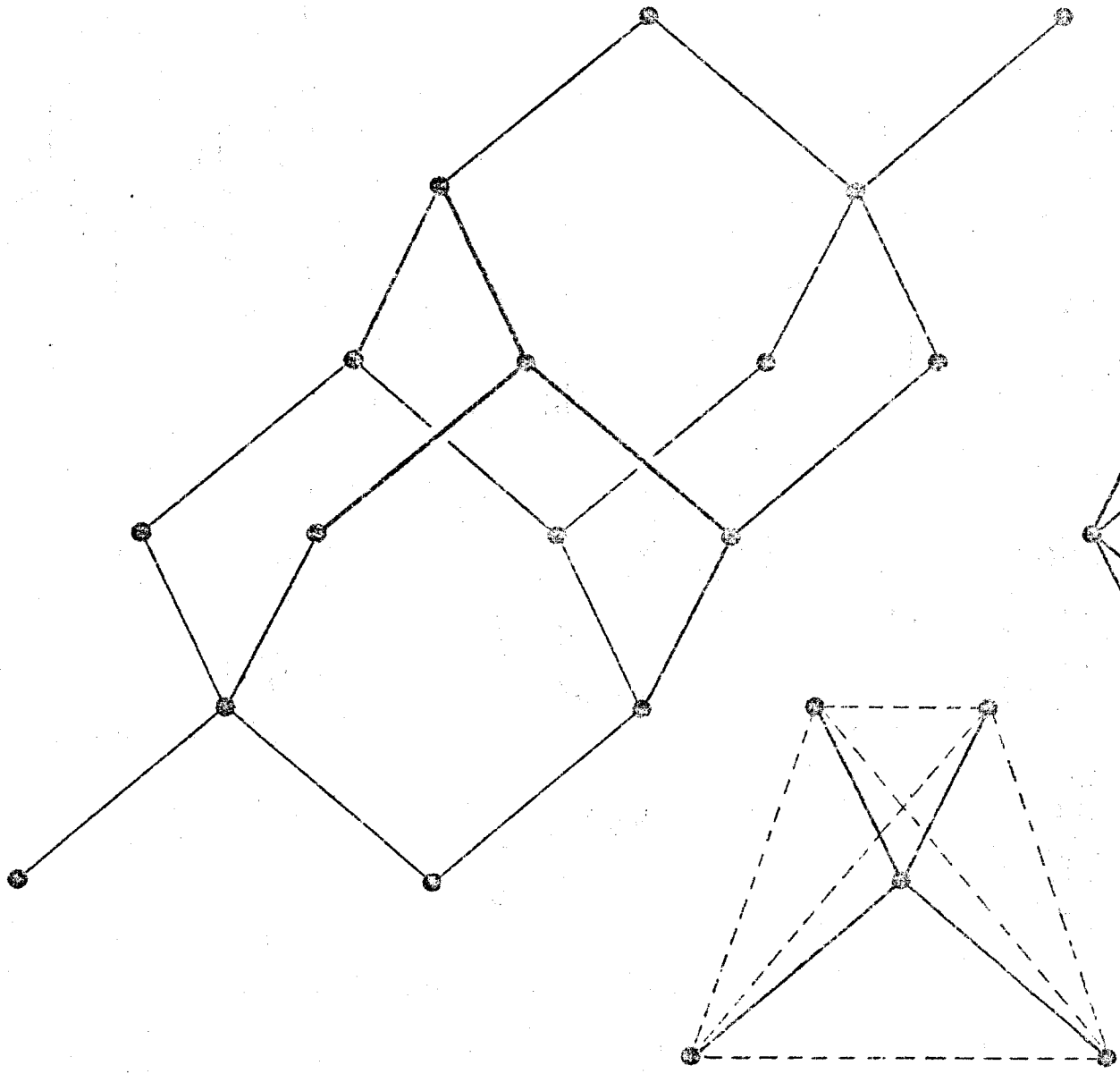


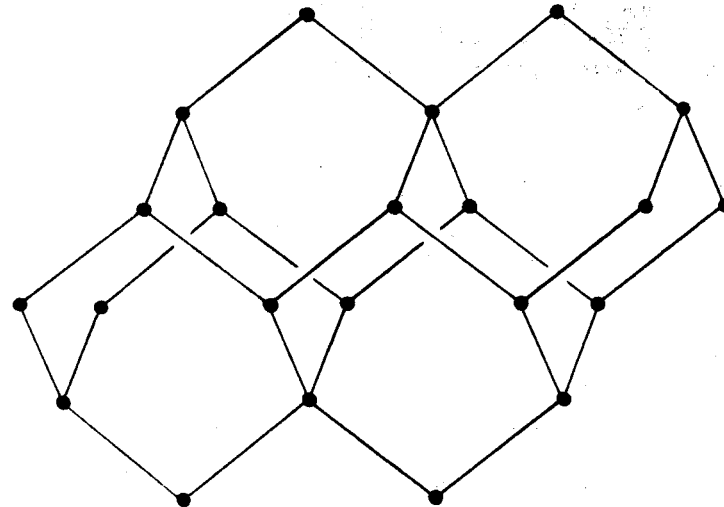
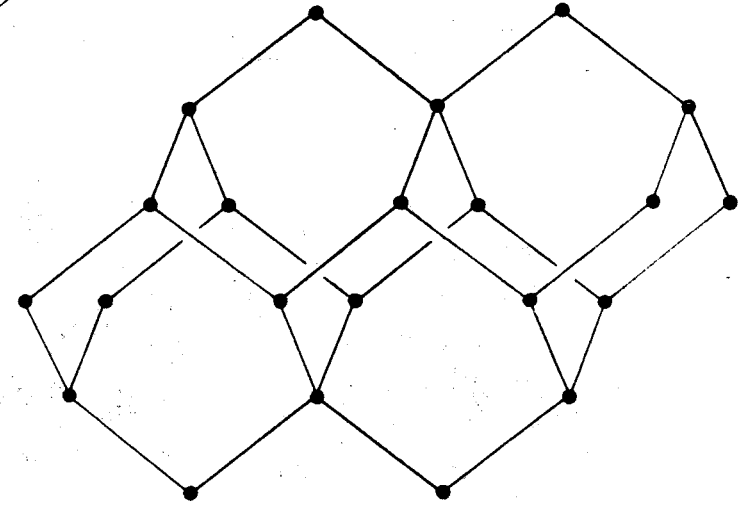
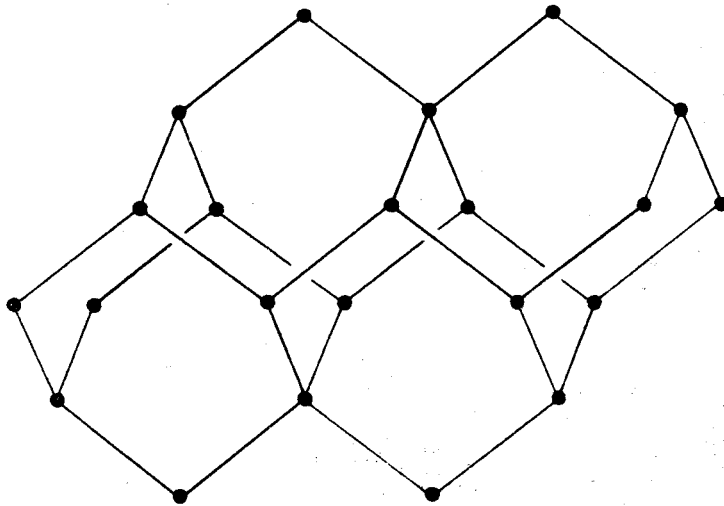
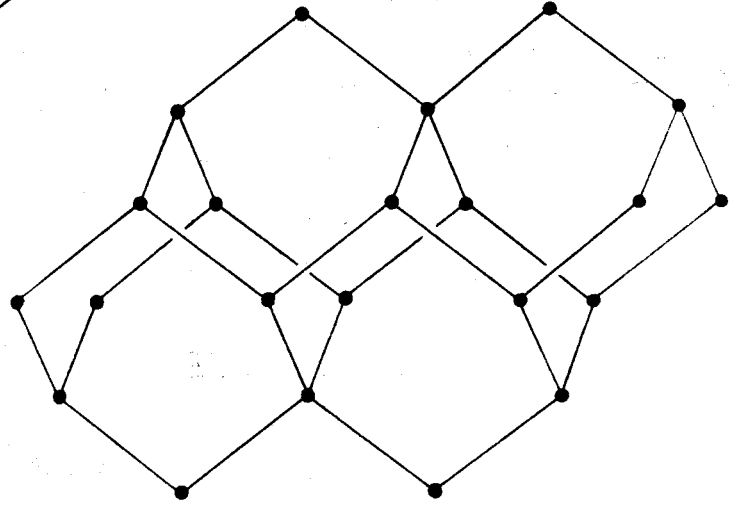
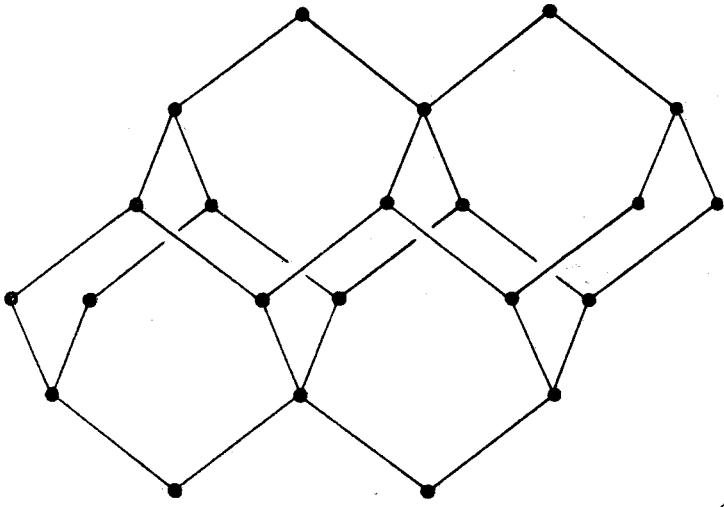












Lattice for Thrusby

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