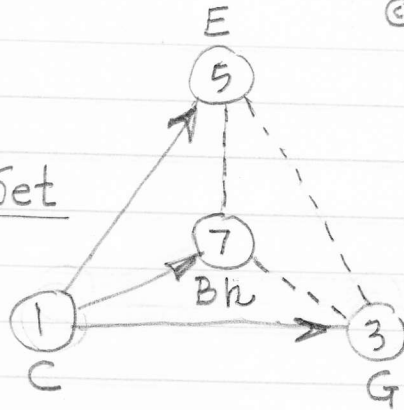


Notes on Constructing the Euler Genera (3.5.7)
 Harmonic elements 1, 3, 5, 7 mapped to Tetrahedron;

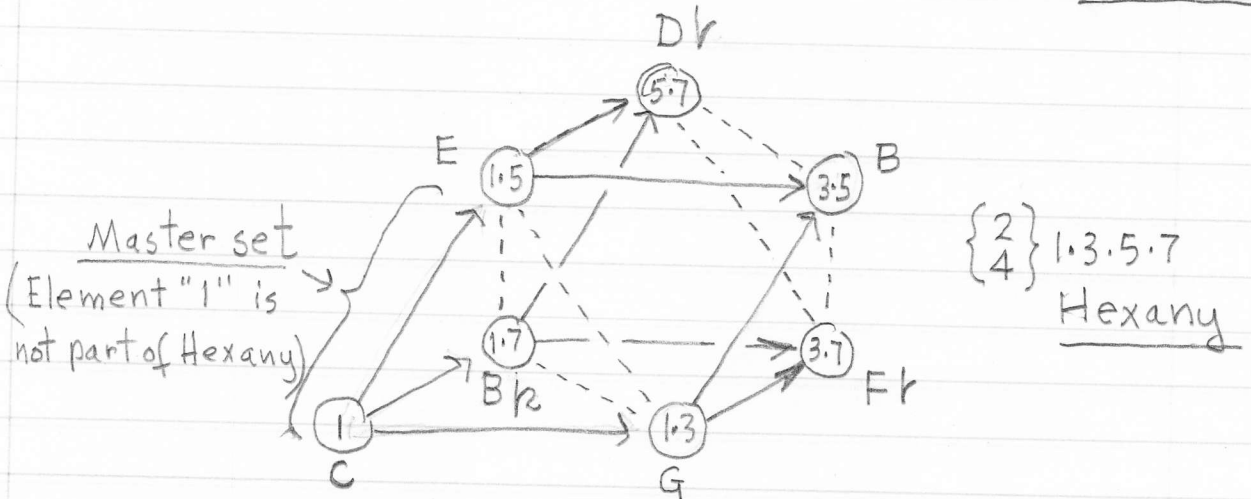
© 2001 by Erv Wilson

28 Dec 00. EW

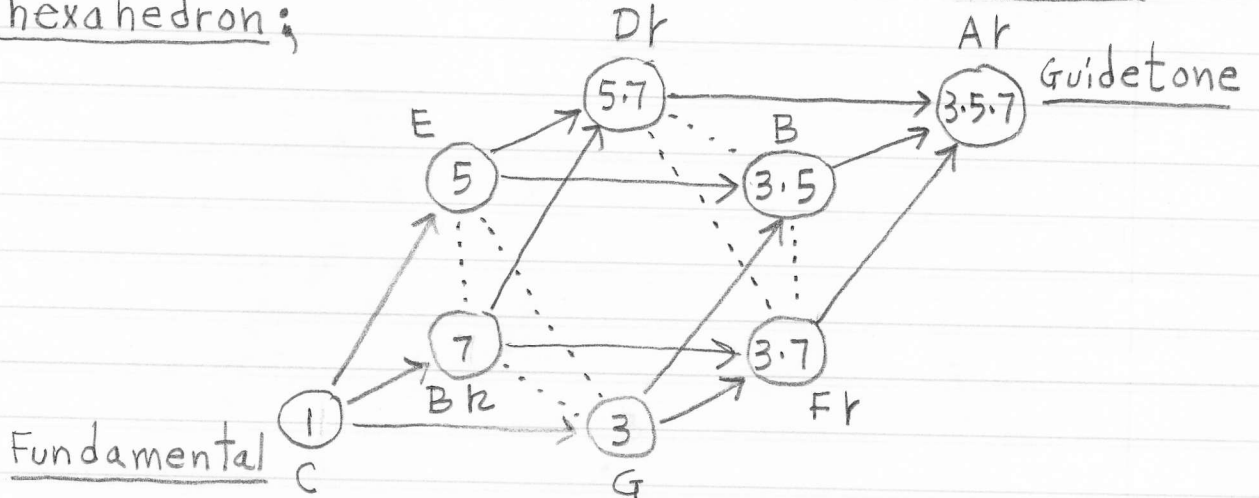
Master Set



The 6 combinations, 2 out of 4, projected onto Octahedron;



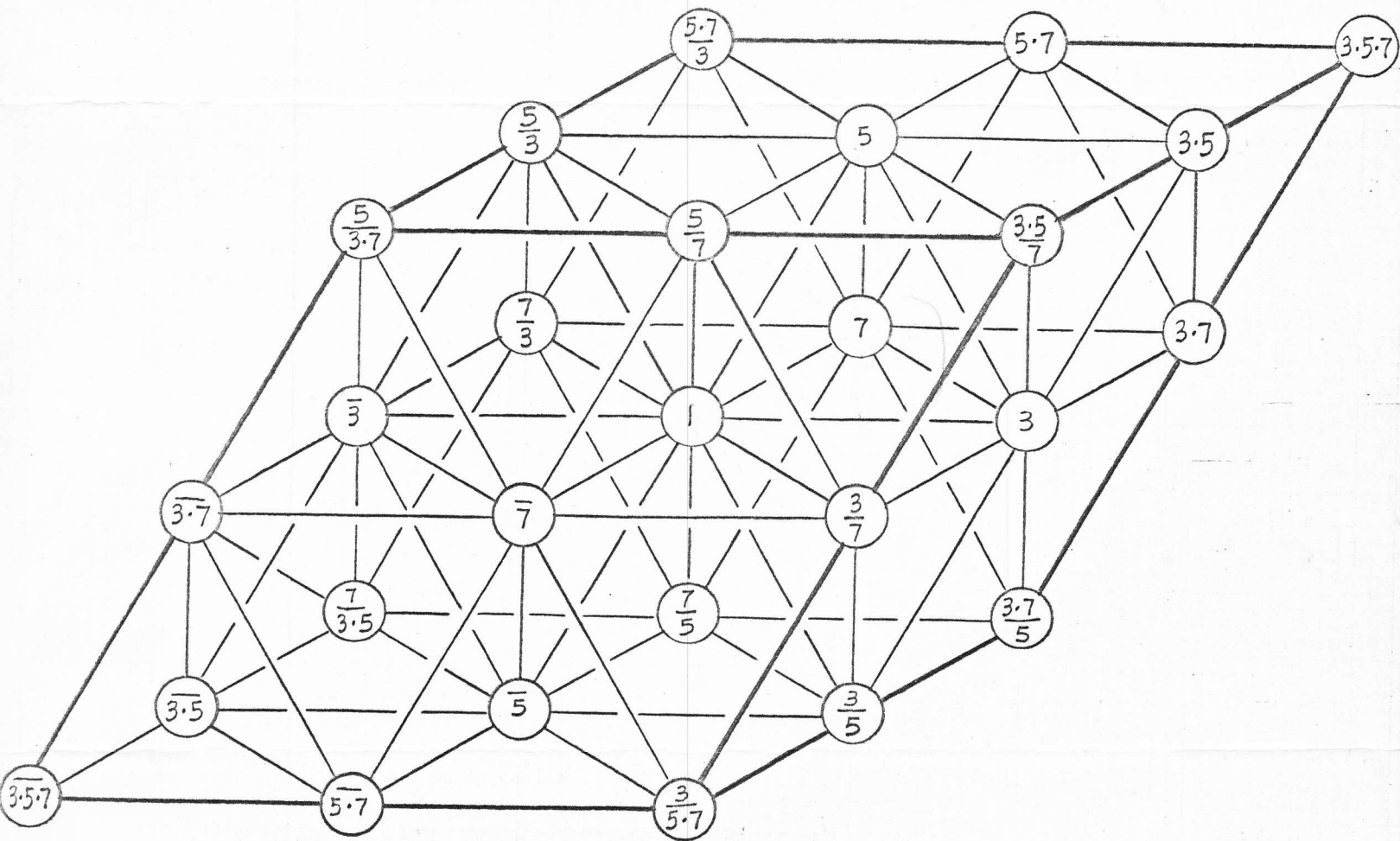
Euler genera (3.5.7), projected onto rhomboidal hexahedron;



Ref. Leonhard Euler's Tentamen Novae Theoriae Musicae, 1739.

Adriaan D. Fokker New Music with 31 Notes, translated by Leigh Gerdine 1975, Orpheus.

Erv Wilson D'alessandro Like a Hurricane, XH12 1989

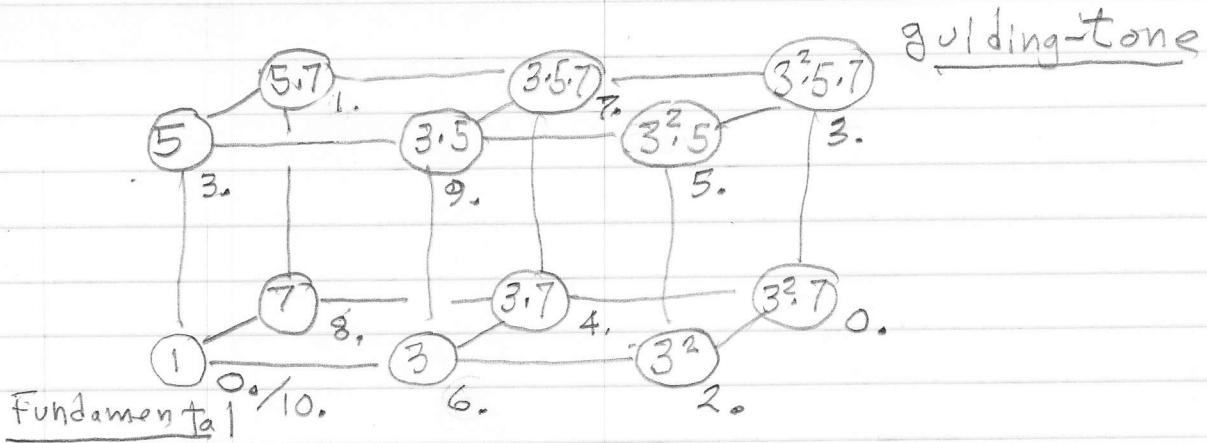


Aggregate Rotations
of Euler Genus 1-3-5-7

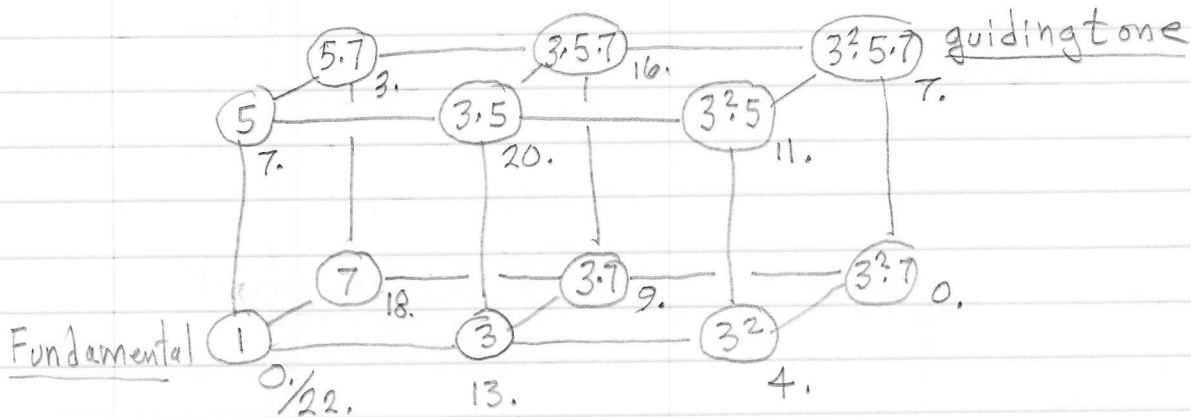
Euler $(3^2 \cdot 5 \cdot 7)$, modulo 10

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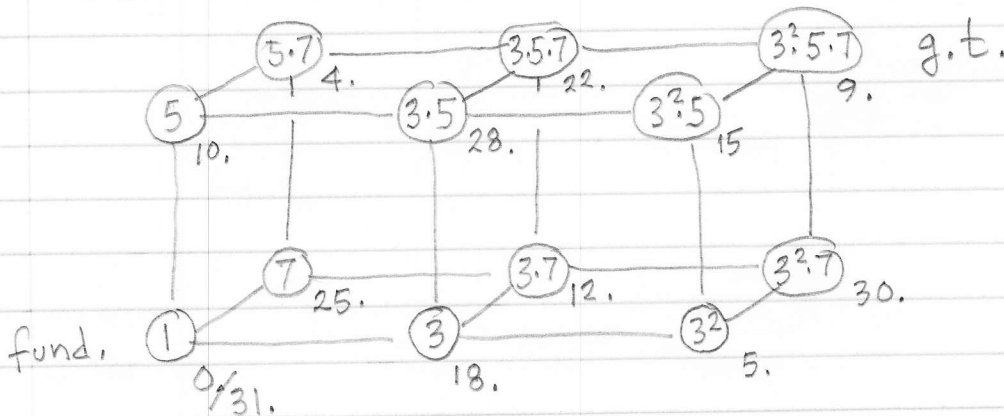
EW.23 Aug 01

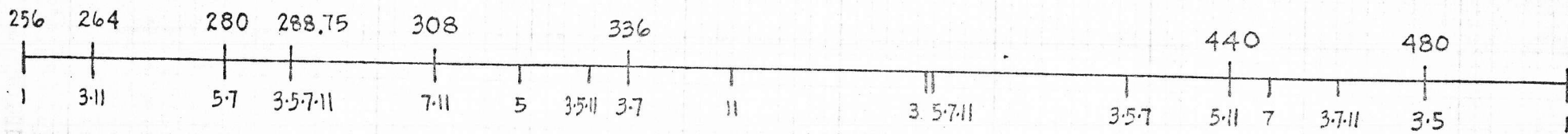
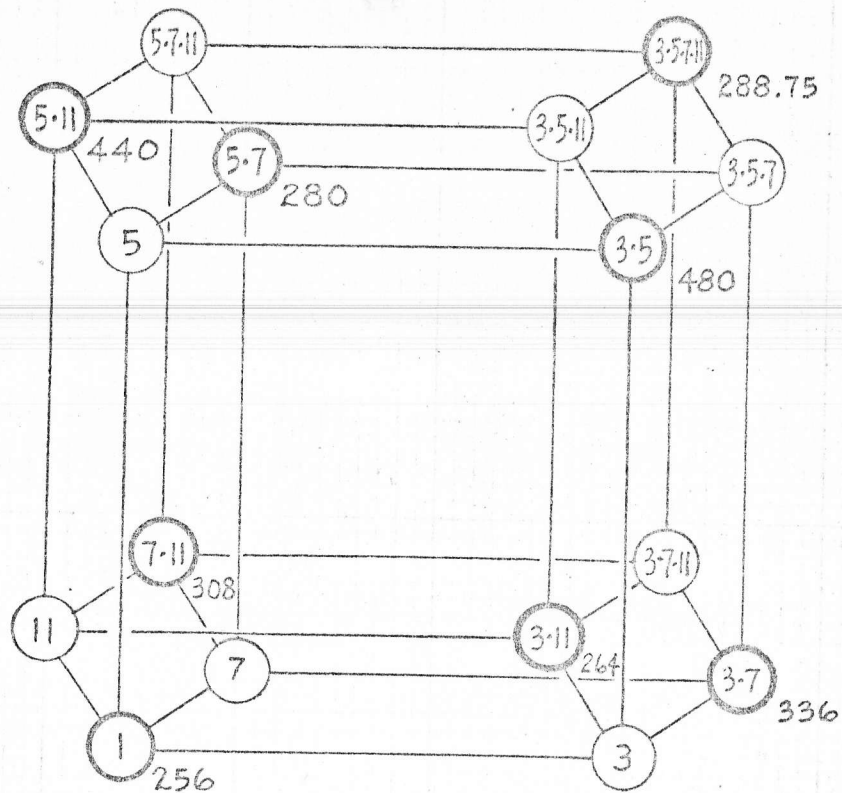


Euler $(3^2 \cdot 5 \cdot 7)$, modulo 22



Euler $(3^2 \cdot 5 \cdot 7)$, modulo 31



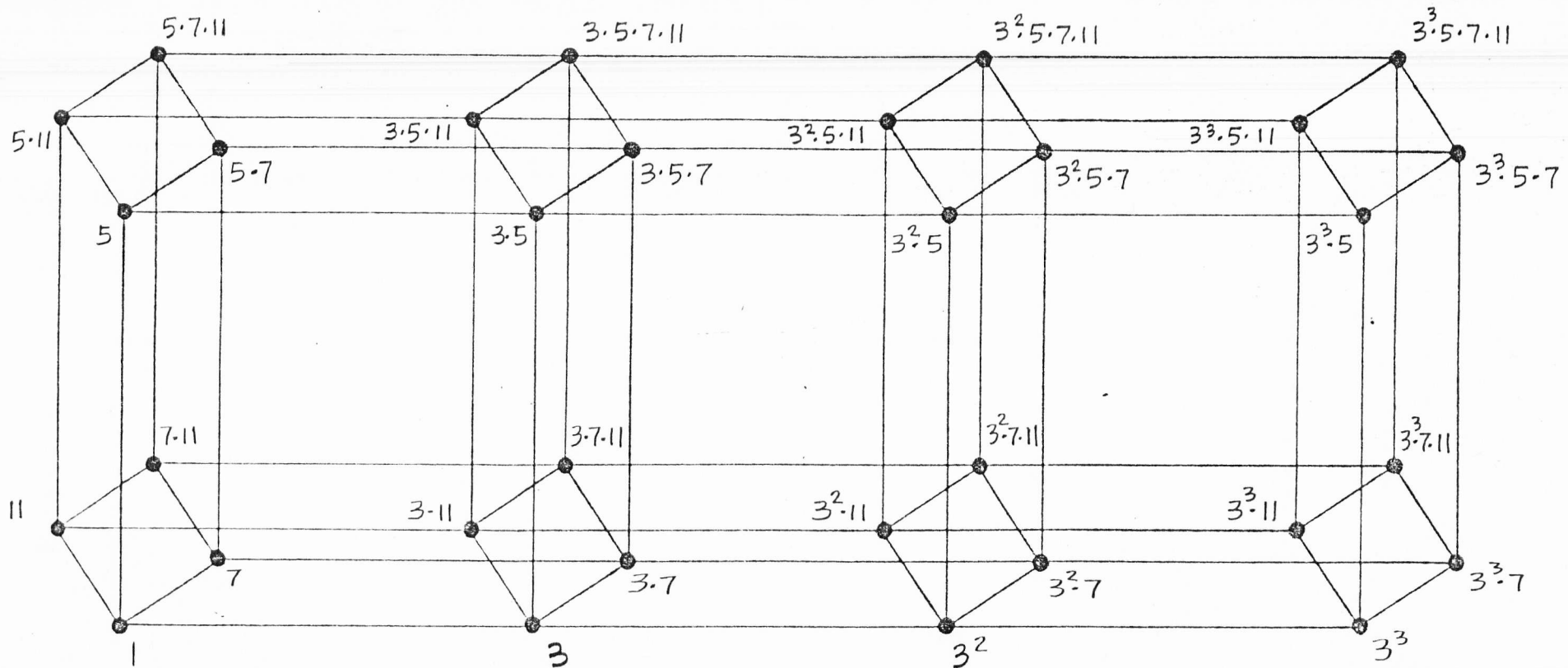


Double-linkage of the 3-5-7-11 Genus
as a Set of Pitch Bases

Issued by Erv Wilson 8 Aug 67

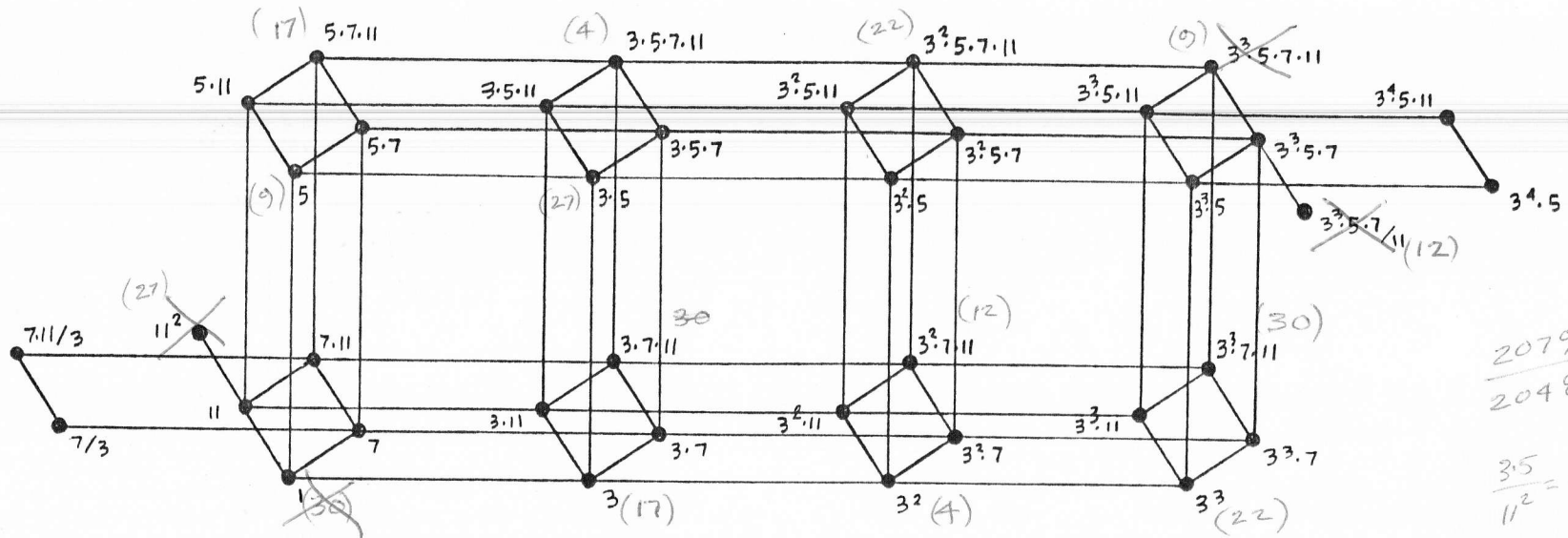
Lattice of Euler Genus $3^3 \cdot 5 \cdot 7 \cdot 11$

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Lattice for Genus $3^3 \cdot 5 \cdot 7 \cdot 11$ (plus 6 pigtails)

© 1980 by Erv Wilson



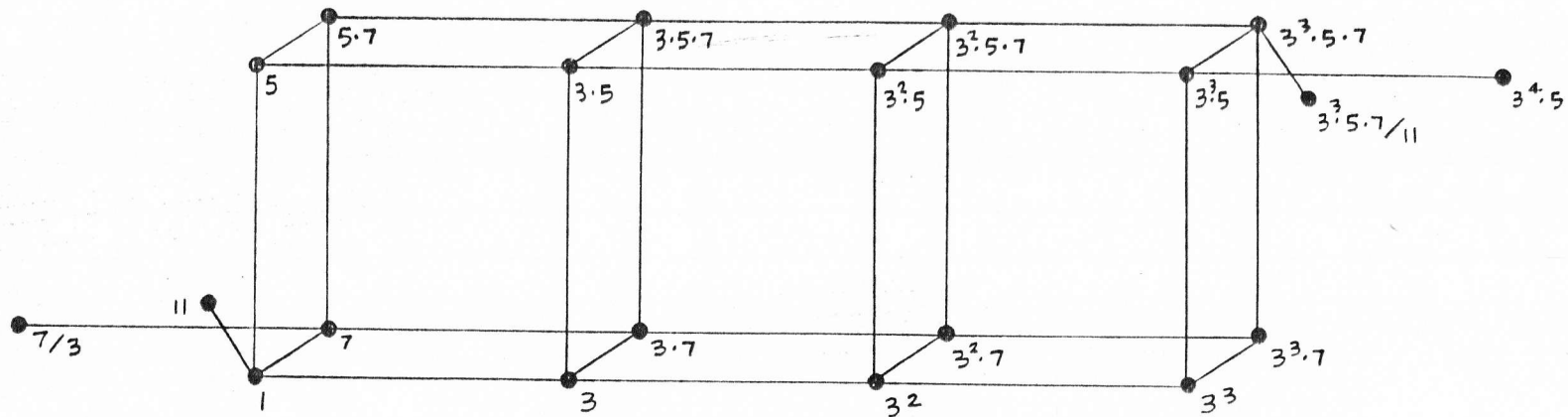
$$\frac{2079}{2048}$$

$$\frac{3 \cdot 5}{11^2} = \frac{120}{121}$$

$$\frac{5 \cdot 7 \cdot 11}{3} = \frac{385}{384}$$

Lattice for Genus $3^3 \cdot 5 \cdot 7$ (plus 4 pigtails)

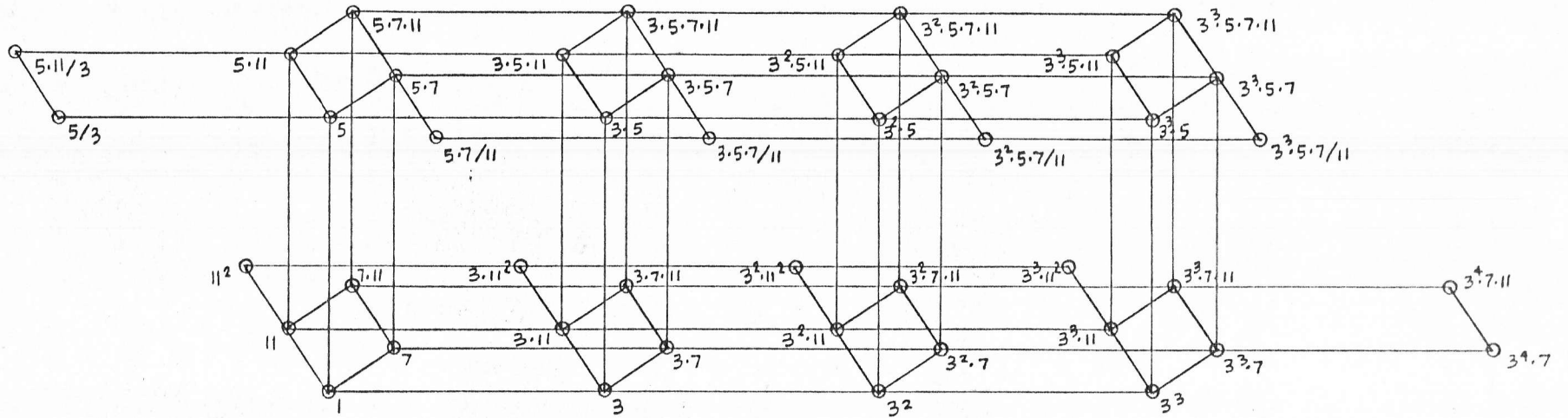
© 1980 by Erv Wilson



Repeated Patterns in "Dalessandro"

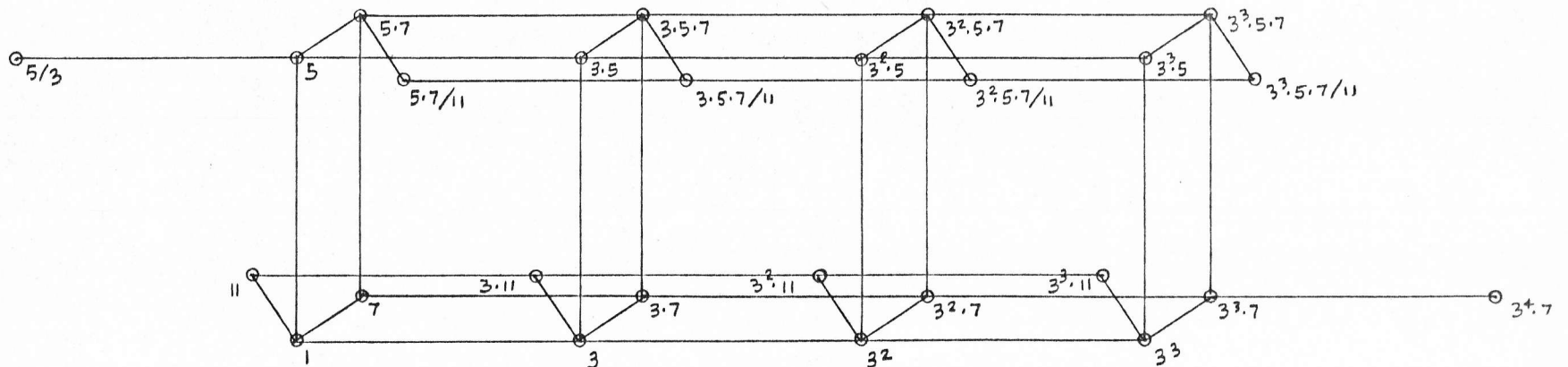
Lattice for Genus $3^3 \cdot 5 \cdot 7 \cdot 11$ (& 12 Pigtails)

© 1980 by Erv Wilson



"BEA" basic

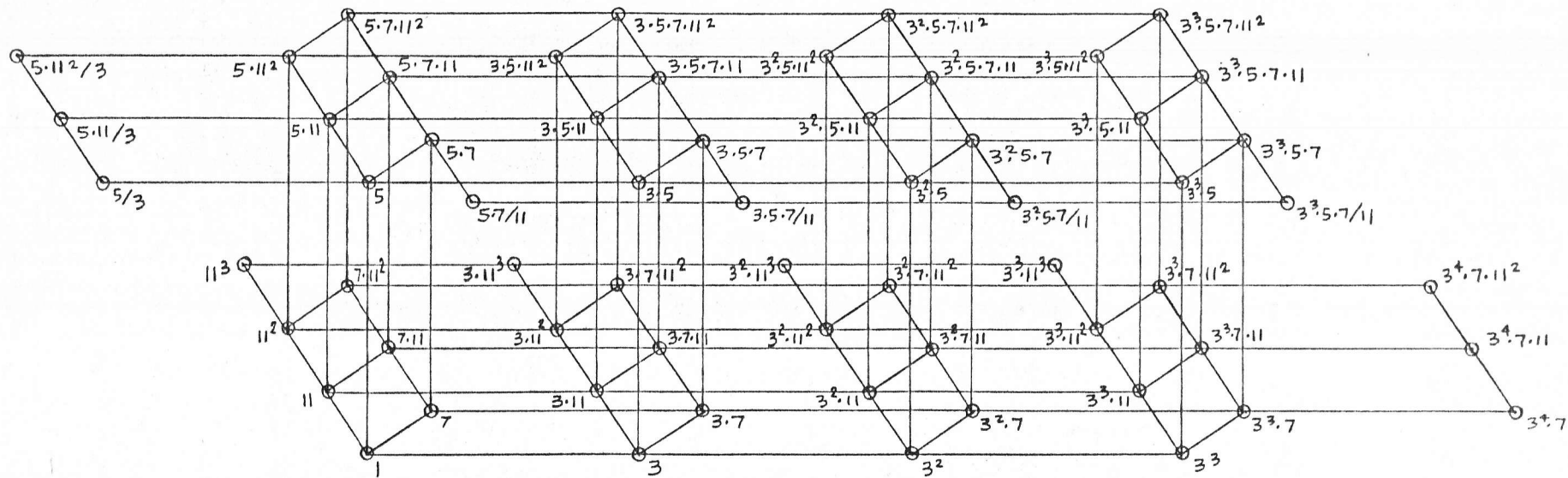
Lattice for Genus $3^3 \cdot 5 \cdot 7$ (& 10 pigtails)



The repeated pattern

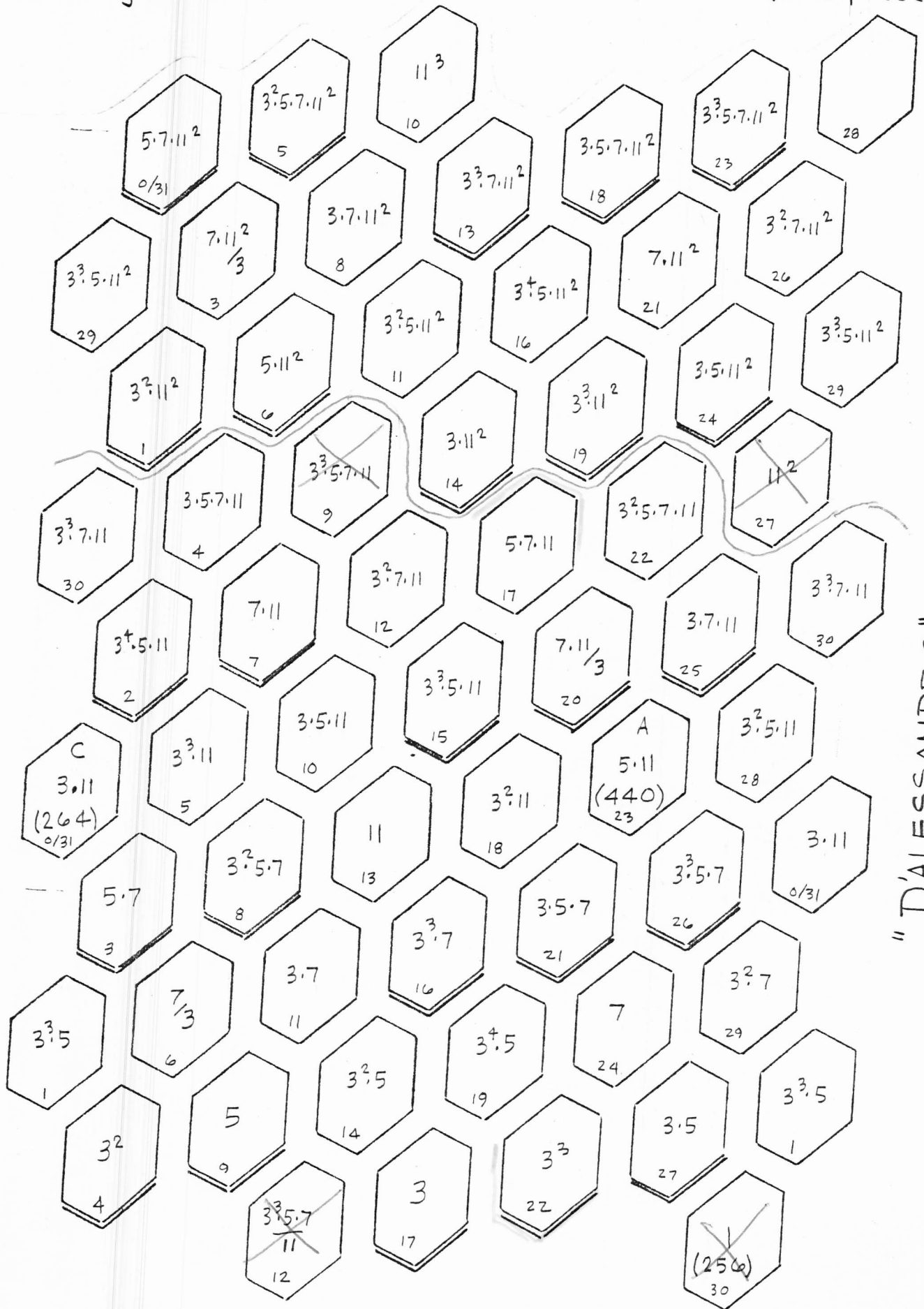
Lattice for Genus $3^3.5.7.11^2$ (& 14 Pigtails)

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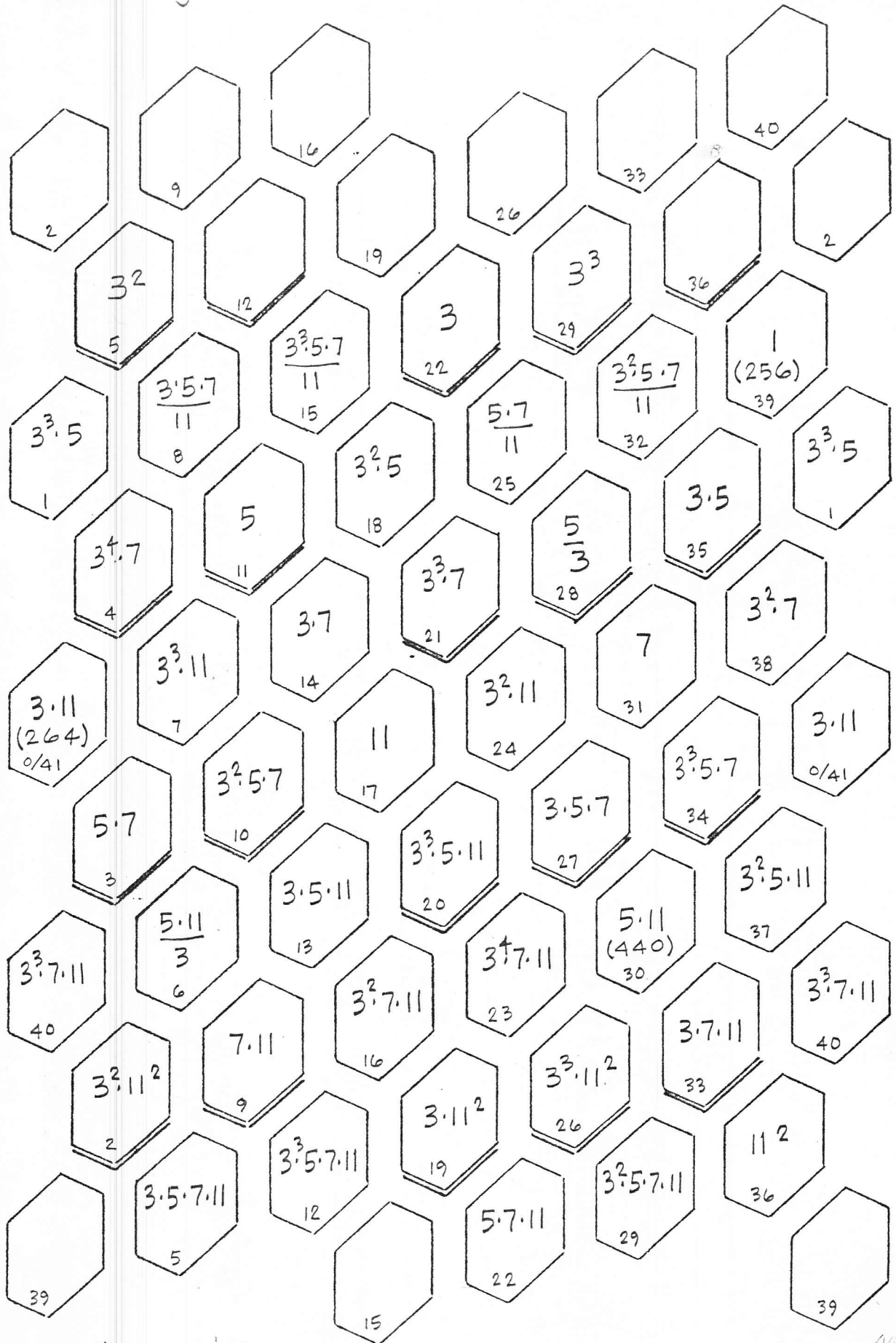
"BEA" extended

Genus $3^3.5.7.11^2$ (& 8 Pigtailed)
 Mapped to Bosanquet pattern using negative (31-like) template
 © 1980 by Erv Wilson



"D'ALESSANDRO"

Genus 3³.5.7.11 (& 12 Pigtaills)
 Mapped to Bosanquet Pattern using Positive (41-like) Template
 © 1980 by Eric Wilson



"BEA" basic

17	1.3.11	1	7.11.13	5.13.15	7.9.15
		11.13.15	1.5.13	1.7.9	
	1.11.13	3.5.9	1.9.15	5.7.15	
	3.9.11	9	1.5.7	3.7.13	
		17.11	1.5.15	3.13.15, 5.9.13	
	1.11.15, 3.5.11	5	1.3.13		
11				3.7.15, 5.7.9	
	5.11.13	7.9.11	1.3.7		
	9.11.15	1.3.15, 1.5.9	3.9.13	7.13.15	
	1.9.11	3	1.7.13		
	5.11.15		1.13.15, 3.5.13	3.7.9	
	3.11.13	13	3.9.15		
		1.3.9	1.7.15, 3.5.7	7.9.13	
		3.7.11	3.5.15		
	3.11.15, 5.9.11	15, 1.3.5	1.9.13	5.7.13	
	1.3.11	1			

27

28

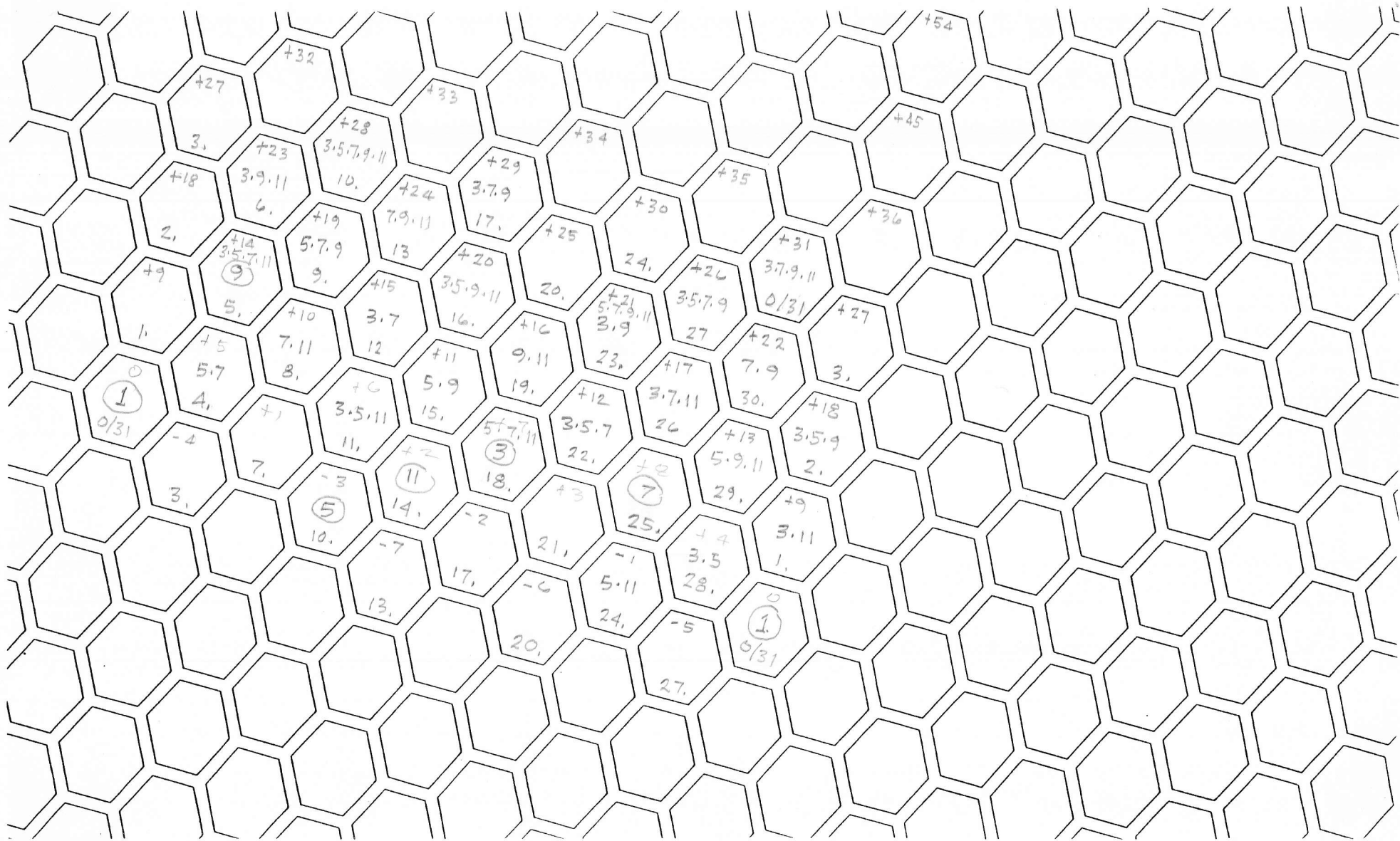
29

30

+32

+53

+54



13 Jul 99, EW

HOROGRAM OF EULER GENERA (3.5.7)
 Extended about the Harmonic Spiral
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