THE FANO POLYTOPES IN $\mathbb{Z}^3$

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Contents

1. Introduction

The following lists were created with the assistance of a computer program, the source code of which (written in C) is available on the internet at:

`http://erdos.math.unb.ca/~kasprzyk/code/Polytope_Classify.c`

The output of this program is available in text form from:

`http://erdos.math.unb.ca/~kasprzyk/code/Polytope_Data.txt`

A summary of the results is given in Table 1.

Vertices	4	5	6	7	8	9	10	11	12	13	14
Polytopes	8	38	95	144	151	107	59	21	8	2	1
Simplicial	8	35	75	74	35	5	1	0	0	0	0
Minimal	8	3	2	0	0	0	0	0	0	0	0
Maximal	0	0	0	0	3	1	2	1	1	0	1

TABLE 1. The number of Fano polytopes in $\mathbb{Z}^3$.

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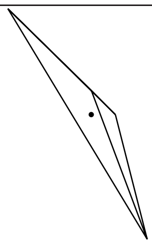
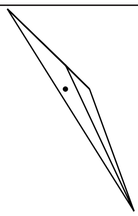
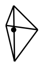
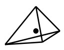
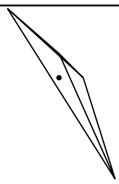
2. The Fano Polytopes in $\mathbb{Z}^3$

In the following tables a complete list of all 634 Fano polytopes in $\mathbb{Z}^3$ (up to the action of $GL(3,\mathbb{Z})$) is presented, partitioned according to the number of vertices of the polytope. To each polytope a unique reference number (between 1 and 634) has been assigned, listed in the first column of each table. These numbers are used in Sections 3, 4, and 5 to refer to a particular polytope.

The “Face Lattice” column contains a number which refers to one of the combinatorial face lattices depicted in Section 5. In the final column of each table a sketch of the polytope is given. All these drawing are to the same scale. The dot in the interior of the polytope represents the origin.

The Fano polytopes in $\mathbb{Z}^3$ with 4 vertices.

	Face Lattice	Comments	Vertices	
1	1	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & 1 & -2 \\ 0 & 1 & -3 & 2 \\ 0 & 0 & 5 & -5 \end{pmatrix}$	
2	1	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & 1 & -1 \\ 0 & 1 & -2 & 1 \\ 0 & 0 & 7 & -5 \end{pmatrix}$	
3	1	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & -2 & 1 \\ 0 & 1 & 2 & -2 \\ 0 & 0 & 7 & -5 \end{pmatrix}$	
4	1	Regular Minimal	$\begin{pmatrix} 1 & 0 & 0 & -1 \\ 0 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 \end{pmatrix}$	
5	1	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & 1 & -1 \\ 0 & 1 & -2 & 1 \\ 0 & 0 & 5 & -4 \end{pmatrix}$	

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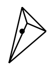
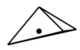
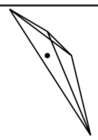
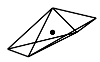
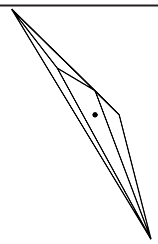
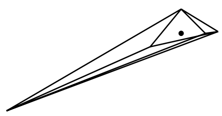
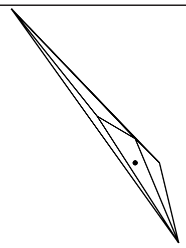
	Face Lattice	Comments	Vertices	
6	1	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & -2 & 1 \\ 0 & 1 & 1 & -1 \\ 0 & 0 & 5 & -3 \end{pmatrix}$	
7	1	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & 1 & -1 \\ 0 & 1 & 1 & -1 \\ 0 & 0 & 2 & -1 \end{pmatrix}$	
8	1	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & 1 & -1 \\ 0 & 1 & -2 & 1 \\ 0 & 0 & 3 & -2 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 5 vertices.

	Face Lattice	Comments	Vertices	
9	2	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 \\ 0 & 1 & 2 & -1 & -2 \\ 0 & 0 & 3 & 0 & -3 \end{pmatrix}$	
10	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -2 & -1 \\ 0 & 1 & -3 & 2 & 1 \\ 0 & 0 & 5 & -5 & -2 \end{pmatrix}$	
11	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -5 \\ 0 & 1 & 1 & -1 & -6 \\ 0 & 0 & 2 & -1 & -7 \end{pmatrix}$	
12	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -3 \\ 0 & 1 & -2 & 1 & 3 \\ 0 & 0 & 3 & -2 & -7 \end{pmatrix}$	

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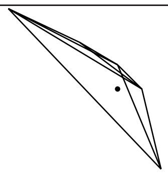
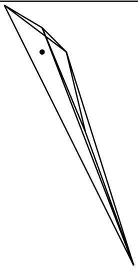
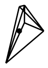
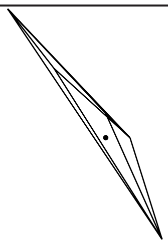
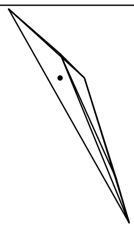
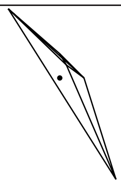
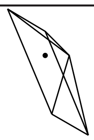
	Face Lattice	Comments	Vertices
13	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -3 \\ 0 & 1 & -2 & 1 & 1 \\ 0 & 0 & 3 & -2 & -5 \end{pmatrix}$ 
14	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 2 \\ 0 & 1 & -2 & 1 & -6 \\ 0 & 0 & 3 & -2 & 7 \end{pmatrix}$ 
15	2	Simplicial	$\begin{pmatrix} 1 & 0 & -2 & 1 & 2 \\ 0 & 1 & 1 & -1 & -2 \\ 0 & 0 & 5 & -3 & -7 \end{pmatrix}$ 
16	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 \\ 0 & 1 & -2 & 1 & 2 \\ 0 & 0 & 5 & -4 & -7 \end{pmatrix}$ 
17	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 \\ 0 & 1 & -2 & 1 & -3 \\ 0 & 0 & 5 & -4 & 7 \end{pmatrix}$ 
18	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 \\ 0 & 1 & -2 & 1 & 1 \\ 0 & 0 & 5 & -4 & 1 \end{pmatrix}$ 
19	3		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 \\ 0 & 1 & -2 & 1 & -2 \\ 0 & 0 & 3 & -2 & 1 \end{pmatrix}$ 

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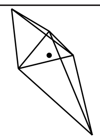
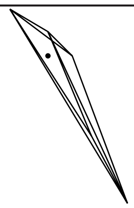
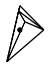
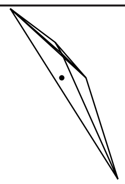
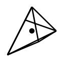
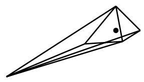
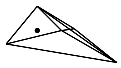
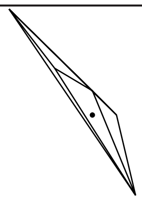
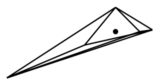
	Face Lattice	Comments	Vertices	
20	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 \\ 0 & 1 & -2 & 1 & -1 \\ 0 & 0 & 3 & -2 & -1 \end{pmatrix}$	
21	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 2 \\ 0 & 1 & -2 & 1 & -4 \\ 0 & 0 & 3 & -2 & 5 \end{pmatrix}$	
22	2	Simplicial	$\begin{pmatrix} 1 & 0 & -2 & 1 & 1 \\ 0 & 1 & 1 & -1 & -1 \\ 0 & 0 & 5 & -3 & -4 \end{pmatrix}$	
23	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 \\ 0 & 1 & -2 & 1 & 1 \\ 0 & 0 & 5 & -4 & -1 \end{pmatrix}$	
24	2	Regular Minimal	$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 \\ 0 & 0 & 1 & 0 & -1 \end{pmatrix}$	
25	2	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -3 \\ 0 & 1 & 0 & -1 & -4 \\ 0 & 0 & 1 & -1 & -5 \end{pmatrix}$	
26	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 2 \\ 0 & 1 & 1 & -1 & 1 \\ 0 & 0 & 2 & -1 & 5 \end{pmatrix}$	
27	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 \\ 0 & 1 & -2 & 1 & 2 \\ 0 & 0 & 3 & -2 & -5 \end{pmatrix}$	
28	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -3 \\ 0 & 1 & 1 & -1 & -4 \\ 0 & 0 & 2 & -1 & -5 \end{pmatrix}$	

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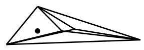
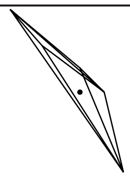
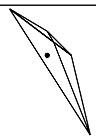
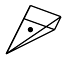
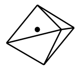
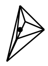
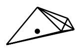
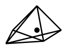
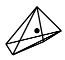
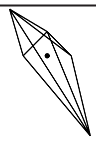
	Face Lattice	Comments	Vertices	
29	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 3 \\ 0 & 1 & 1 & -1 & 2 \\ 0 & 0 & 2 & -1 & 5 \end{pmatrix}$	
30	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 \\ 0 & 1 & -2 & 1 & 2 \\ 0 & 0 & 3 & -2 & -3 \end{pmatrix}$	
31	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 \\ 0 & 1 & -2 & 1 & 1 \\ 0 & 0 & 3 & -2 & 1 \end{pmatrix}$	
32	3	Minimal	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 \\ 0 & 1 & 1 & -1 & 0 \\ 0 & 0 & 1 & 0 & -1 \end{pmatrix}$	
33	3		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 \\ 0 & 1 & 1 & -1 & -1 \\ 0 & 0 & 2 & -1 & 1 \end{pmatrix}$	
34	2	Simplicial	$\begin{pmatrix} 1 & 0 & -2 & 1 & -1 \\ 0 & 1 & 1 & -1 & 1 \\ 0 & 0 & 5 & -3 & 3 \end{pmatrix}$	
35	2	Regular	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 \\ 0 & 1 & 1 & -1 & 1 \\ 0 & 0 & 2 & -1 & 1 \end{pmatrix}$	
36	2	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 \end{pmatrix}$	
37	2	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 \end{pmatrix}$	
38	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 \\ 0 & 1 & -2 & 1 & 0 \\ 0 & 0 & 3 & -2 & 0 \end{pmatrix}$	

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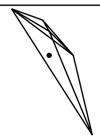
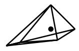
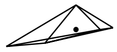
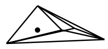
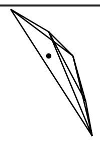
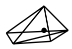
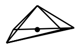
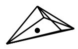
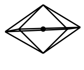
	Face Lattice	Comments	Vertices	
39	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 \\ 0 & 1 & -2 & 1 & 1 \\ 0 & 0 & 3 & -2 & -1 \end{pmatrix}$	
40	2	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & -2 \\ 0 & 0 & 1 & -1 & -3 \end{pmatrix}$	
41	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 \\ 0 & 1 & 1 & -1 & -2 \\ 0 & 0 & 2 & -1 & -3 \end{pmatrix}$	
42	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 2 \\ 0 & 1 & 1 & -1 & 1 \\ 0 & 0 & 2 & -1 & 3 \end{pmatrix}$	
43	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 \\ 0 & 1 & -2 & 1 & -1 \\ 0 & 0 & 3 & -2 & 2 \end{pmatrix}$	
44	2	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & -2 \end{pmatrix}$	
45	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 \\ 0 & 1 & 1 & -1 & 0 \\ 0 & 0 & 2 & -1 & 0 \end{pmatrix}$	
46	2	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 \\ 0 & 1 & 1 & -1 & 1 \\ 0 & 0 & 2 & -1 & 1 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 6 vertices.

	Face Lattice	Comments	Vertices	
47	4	Simplicial Minimal	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & -1 \\ 0 & 1 & 1 & 0 & -1 & -1 \\ 0 & 0 & 2 & 0 & 0 & -2 \end{pmatrix}$	

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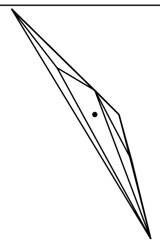
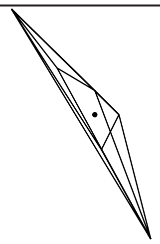
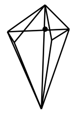
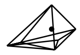
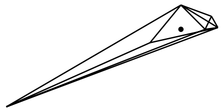
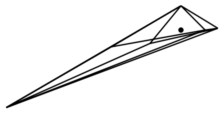
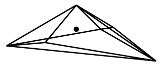
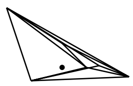
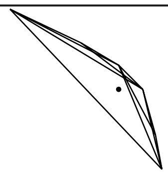
	Face Lattice	Comments	Vertices	
48	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -2 & -1 & 1 \\ 0 & 1 & -3 & 2 & 1 & -1 \\ 0 & 0 & 5 & -5 & -2 & 2 \end{pmatrix}$	
49	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -2 & -1 & 0 \\ 0 & 1 & -3 & 2 & 1 & -1 \\ 0 & 0 & 5 & -5 & -2 & 1 \end{pmatrix}$	
50	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & -2 & 3 \end{pmatrix}$	
51	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & -3 & 4 \end{pmatrix}$	
52	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -5 \\ 0 & 1 & 1 & -1 & 1 & -6 \\ 0 & 0 & 2 & -1 & 1 & -7 \end{pmatrix}$	
53	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & -5 \\ 0 & 1 & 1 & -1 & -2 & -6 \\ 0 & 0 & 2 & -1 & -3 & -7 \end{pmatrix}$	
54	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & 2 \\ 0 & 1 & 1 & -1 & -2 & 1 \\ 0 & 0 & 2 & -1 & -3 & 5 \end{pmatrix}$	
55	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 2 & -2 \\ 0 & 1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 3 & -1 \end{pmatrix}$	
56	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -3 \\ 0 & 1 & -2 & 1 & -1 & 1 \\ 0 & 0 & 3 & -2 & 2 & -5 \end{pmatrix}$	

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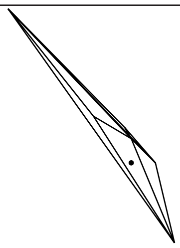
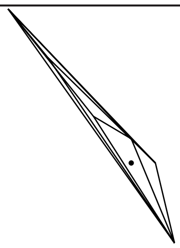
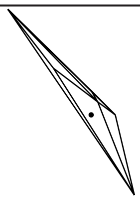
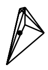
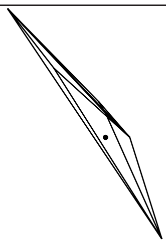
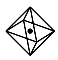
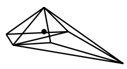
	Face Lattice	Comments	Vertices	
57	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & -3 \\ 0 & 1 & -2 & 1 & 1 & 3 \\ 0 & 0 & 3 & -2 & -1 & -7 \end{pmatrix}$	
58	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & -3 \\ 0 & 1 & -2 & 1 & 2 & 3 \\ 0 & 0 & 3 & -2 & -5 & -7 \end{pmatrix}$	
59	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & 0 \\ 0 & 1 & -2 & 1 & 2 & 1 \\ 0 & 0 & 3 & -2 & -5 & 1 \end{pmatrix}$	
60	5	Simplicial	$\begin{pmatrix} 1 & 0 & -2 & 1 & 1 & 2 \\ 0 & 1 & 1 & -1 & -1 & -2 \\ 0 & 0 & 5 & -3 & -4 & -7 \end{pmatrix}$	
61	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & -2 \\ 0 & 1 & -2 & 1 & 1 & 2 \\ 0 & 0 & 5 & -4 & -1 & -7 \end{pmatrix}$	
62	4	Regular Minimal	$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & 0 \\ 0 & 1 & 0 & 0 & -1 & 0 \\ 0 & 0 & 1 & 0 & 0 & -1 \end{pmatrix}$	
63	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 1 & -1 & -2 & 5 \end{pmatrix}$	

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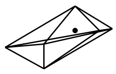
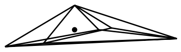
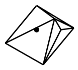
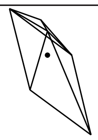
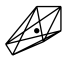
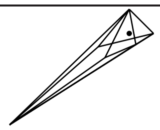
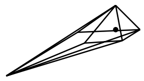
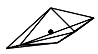
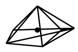
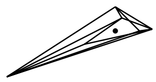
	Face Lattice	Comments	Vertices	
64	4	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & -1 \\ 0 & 1 & 1 & -1 & -2 & -2 \\ 0 & 0 & 2 & -1 & -3 & -1 \end{pmatrix}$	
65	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & 3 \\ 0 & 1 & 1 & -1 & -2 & 2 \\ 0 & 0 & 2 & -1 & -3 & 5 \end{pmatrix}$	
66	6		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & -1 & 0 \\ 0 & 0 & 2 & -1 & 1 & -1 \end{pmatrix}$	
67	6		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & -1 \\ 0 & 1 & -2 & 1 & 1 & -1 \\ 0 & 0 & 3 & -2 & -1 & 1 \end{pmatrix}$	
68	4	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}$	
69	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -4 \\ 0 & 1 & 0 & -1 & -1 & -5 \\ 0 & 0 & 1 & -1 & 0 & -3 \end{pmatrix}$	
70	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -3 \\ 0 & 1 & 0 & -1 & -1 & -4 \\ 0 & 0 & 1 & -1 & -2 & -5 \end{pmatrix}$	
71	4	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & -2 & 2 \\ 0 & 0 & 1 & -1 & -3 & 3 \end{pmatrix}$	
72	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & -3 & 2 \end{pmatrix}$	
73	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 \\ 0 & 1 & 1 & -1 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & -3 \end{pmatrix}$	
74	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & -3 \\ 0 & 1 & 1 & -1 & 1 & -4 \\ 0 & 0 & 2 & -1 & 1 & -5 \end{pmatrix}$	

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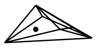
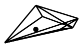
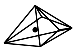
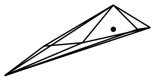
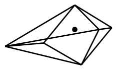
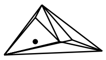
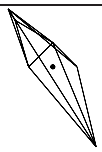
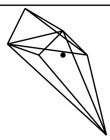
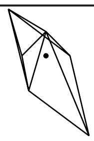
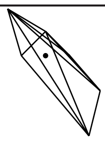
	Face Lattice	Comments	Vertices	
75	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 1 & 5 \end{pmatrix}$	
76	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 2 \\ 0 & 1 & 1 & -1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 1 & -1 \end{pmatrix}$	
77	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & -2 \\ 0 & 0 & 2 & -1 & 1 & -3 \end{pmatrix}$	
78	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & -3 \\ 0 & 1 & 1 & -1 & -2 & -4 \\ 0 & 0 & 2 & -1 & -3 & -5 \end{pmatrix}$	
79	7		$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & 0 \\ 0 & 1 & 1 & -1 & -2 & -1 \\ 0 & 0 & 2 & -1 & -3 & 1 \end{pmatrix}$	
80	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 2 & 0 \\ 0 & 1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 3 & 1 \end{pmatrix}$	
81	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -1 \\ 0 & 1 & -2 & 1 & 0 & 1 \\ 0 & 0 & 3 & -2 & 0 & -3 \end{pmatrix}$	
82	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 \\ 0 & 1 & -2 & 1 & 0 & 0 \\ 0 & 0 & 3 & -2 & 0 & -1 \end{pmatrix}$	
83	6		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -1 \\ 0 & 1 & -2 & 1 & 0 & -1 \\ 0 & 0 & 3 & -2 & 0 & 1 \end{pmatrix}$	
84	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 2 \\ 0 & 1 & -2 & 1 & 0 & -1 \\ 0 & 0 & 3 & -2 & 0 & 1 \end{pmatrix}$	

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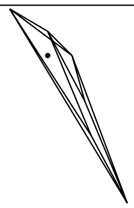
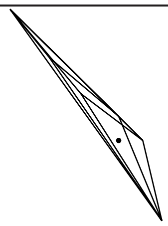
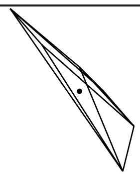
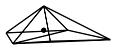
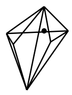
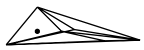
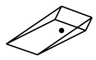
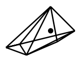
	Face Lattice	Comments	Vertices	
85	7		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 2 \\ 0 & 1 & -2 & 1 & -1 & -4 \\ 0 & 0 & 3 & -2 & 2 & 5 \end{pmatrix}$	
86	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & -3 \\ 0 & 1 & -2 & 1 & 2 & 3 \\ 0 & 0 & 3 & -2 & -3 & -5 \end{pmatrix}$	
87	7		$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & 2 \\ 0 & 1 & -2 & 1 & 2 & -1 \\ 0 & 0 & 3 & -2 & -3 & 1 \end{pmatrix}$	
88	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 5 \\ 0 & 1 & 0 & -1 & 0 & 2 \\ 0 & 0 & 1 & -1 & 0 & 1 \end{pmatrix}$	
89	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 1 & -1 & -2 & 3 \end{pmatrix}$	
90	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & -2 & 1 \end{pmatrix}$	
91	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 2 & 3 \\ 0 & 1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 3 & 5 \end{pmatrix}$	
92	8		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & -2 \\ 0 & 1 & 1 & -1 & 0 & -1 \\ 0 & 0 & 1 & 0 & -1 & -1 \end{pmatrix}$	
93	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -3 \end{pmatrix}$	

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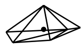
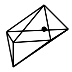
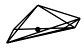
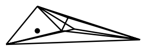
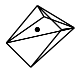
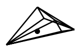
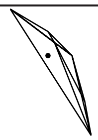
	Face Lattice	Comments	Vertices	
94	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 1 & -1 & -2 & 2 \end{pmatrix}$	
95	4	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & -2 & -1 \end{pmatrix}$	
96	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -4 \\ 0 & 1 & 1 & -1 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & -3 \end{pmatrix}$	
97	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & -1 \end{pmatrix}$	
98	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 3 \\ 0 & 1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 1 & 5 \end{pmatrix}$	
99	6		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 0 \\ 0 & 1 & 1 & -1 & 1 & -2 \\ 0 & 0 & 2 & -1 & 1 & -1 \end{pmatrix}$	
100	6		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & -1 \\ 0 & 1 & 1 & -1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 1 & 1 \end{pmatrix}$	
101	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 1 & -1 \end{pmatrix}$	
102	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & 1 \\ 0 & 1 & 1 & -1 & -2 & 2 \\ 0 & 0 & 2 & -1 & -3 & 3 \end{pmatrix}$	
103	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 \\ 0 & 1 & -2 & 1 & -1 & 1 \\ 0 & 0 & 3 & -2 & 2 & 1 \end{pmatrix}$	

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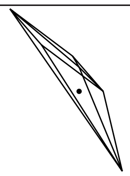
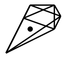
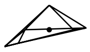
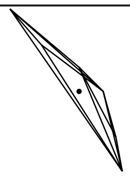
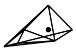
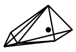
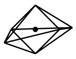
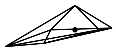
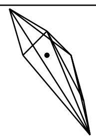
	Face Lattice	Comments	Vertices	
104	7		$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & 0 \\ 0 & 1 & -2 & 1 & 2 & 1 \\ 0 & 0 & 3 & -2 & -3 & -1 \end{pmatrix}$	
105	4	Regular	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 0 & 1 \\ 0 & 0 & 1 & 0 & -1 & 0 \end{pmatrix}$	
106	7		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -1 \\ 0 & 1 & 1 & -1 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & -3 \end{pmatrix}$	
107	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -2 \\ 0 & 1 & -2 & 1 & -1 & 2 \\ 0 & 0 & 3 & -2 & 2 & -3 \end{pmatrix}$	
108	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -2 \\ 0 & 0 & 1 & -1 & 0 & -3 \end{pmatrix}$	
109	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & -2 & -3 \end{pmatrix}$	
110	4	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 \\ 0 & 1 & 1 & -1 & 0 & -1 \\ 0 & 0 & 2 & -1 & 0 & 0 \end{pmatrix}$	
111	4	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 \\ 0 & 1 & 1 & -1 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & -3 \end{pmatrix}$	
112	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 3 \end{pmatrix}$	
113	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 \\ 0 & 1 & -2 & 1 & 0 & -1 \\ 0 & 0 & 3 & -2 & 0 & 2 \end{pmatrix}$	

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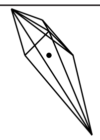
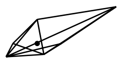
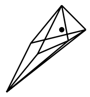
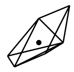
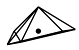
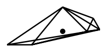
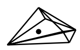
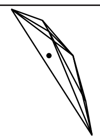
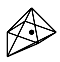
	Face Lattice	Comments	Vertices	
114	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 \\ 0 & 1 & -2 & 1 & 0 & 1 \\ 0 & 0 & 3 & -2 & 0 & -1 \end{pmatrix}$	
115	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 3 \\ 0 & 1 & 0 & -1 & 0 & 2 \\ 0 & 0 & 1 & -1 & 0 & 1 \end{pmatrix}$	
116	7		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & -1 & -3 \\ 0 & 0 & 1 & -1 & 0 & -1 \end{pmatrix}$	
117	6		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 1 \end{pmatrix}$	
118	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 \\ 0 & 1 & 1 & -1 & 0 & -1 \\ 0 & 0 & 2 & -1 & 0 & -1 \end{pmatrix}$	
119	6		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -1 \\ 0 & 1 & 1 & -1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 \end{pmatrix}$	
120	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -2 \\ 0 & 1 & 1 & -1 & 1 & -1 \\ 0 & 0 & 2 & -1 & 1 & -1 \end{pmatrix}$	
121	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 1 & 1 \end{pmatrix}$	
122	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 \\ 0 & 1 & -2 & 1 & -1 & 1 \\ 0 & 0 & 3 & -2 & 2 & -1 \end{pmatrix}$	
123	4	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & 0 \\ 0 & 0 & 1 & 0 & -1 & 0 \end{pmatrix}$	

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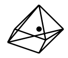
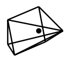
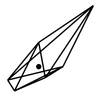
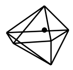
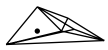
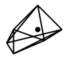
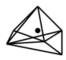
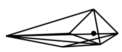
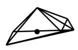
	Face Lattice	Comments	Vertices	
124	7		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}$	
125	6		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & -1 \end{pmatrix}$	
126	4	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & 3 \\ 0 & 0 & 1 & -1 & 0 & 1 \end{pmatrix}$	
127	4	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & -1 & -1 \\ 0 & 0 & 1 & -1 & -2 & 1 \end{pmatrix}$	
128	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 \end{pmatrix}$	
129	7		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 2 \\ 0 & 1 & 1 & -1 & 1 & 1 \\ 0 & 0 & 2 & -1 & 1 & 3 \end{pmatrix}$	
130	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 1 & 3 \end{pmatrix}$	
131	4	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}$	
132	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}$	
133	5	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 \end{pmatrix}$	
134	5	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 \\ 0 & 1 & 1 & -1 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 \end{pmatrix}$	

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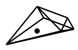
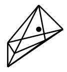
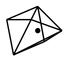
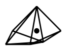
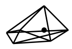
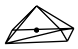
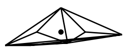
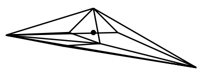
	Face Lattice	Comments	Vertices	
135	7		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 \\ 0 & 1 & 1 & -1 & 1 & 1 \\ 0 & 0 & 2 & -1 & 1 & 1 \end{pmatrix}$	
136	5	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 \end{pmatrix}$	
137	4	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -1 \end{pmatrix}$	
138	7		$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & 0 \\ 0 & 0 & 1 & 0 & -1 & -1 \end{pmatrix}$	
139	5	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 \end{pmatrix}$	
140	4	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 \end{pmatrix}$	
141	7		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 \\ 0 & 1 & 1 & -1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 7 vertices.

	Face Lattice	Comments	Vertices	
142	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 \end{pmatrix}$	
143	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -3 & 4 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 1 \end{pmatrix}$	

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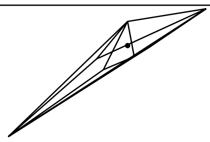
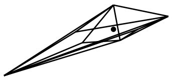
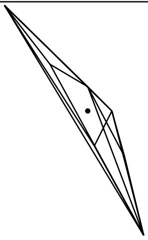
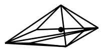
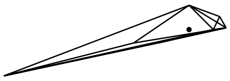
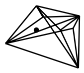
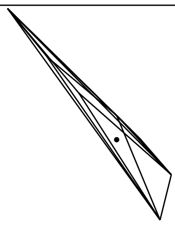
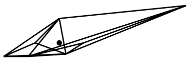
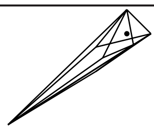
	Face Lattice	Comments	Vertices
144	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -4 & 3 \\ 0 & 1 & 0 & -1 & -1 & -5 & 2 \\ 0 & 0 & 1 & -1 & 0 & -3 & 1 \end{pmatrix}$ 
145	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -3 & 2 \\ 0 & 1 & 0 & -1 & -1 & -4 & 1 \\ 0 & 0 & 1 & -1 & -2 & -5 & 1 \end{pmatrix}$ 
146	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -2 & -1 & 1 & 0 \\ 0 & 1 & -3 & 2 & 1 & -1 & -1 \\ 0 & 0 & 5 & -5 & -2 & 2 & 1 \end{pmatrix}$ 
147	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 & 1 \\ 0 & 1 & 1 & -1 & 0 & -1 & -2 \\ 0 & 0 & 2 & -1 & 0 & -1 & -3 \end{pmatrix}$ 
148	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -2 & -6 \\ 0 & 1 & 1 & -1 & 1 & -1 & -4 \\ 0 & 0 & 2 & -1 & 1 & -1 & -5 \end{pmatrix}$ 
149	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 & 2 \\ 0 & 1 & 1 & -1 & 1 & 2 & -2 \\ 0 & 0 & 2 & -1 & 1 & 3 & -1 \end{pmatrix}$ 
150	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & -3 & 2 \\ 0 & 1 & -2 & 1 & 2 & 3 & -1 \\ 0 & 0 & 3 & -2 & -3 & -5 & 1 \end{pmatrix}$ 
151	10	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & 5 \\ 0 & 1 & 0 & -1 & 0 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$ 
152	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -4 \\ 0 & 1 & 0 & -1 & -1 & -2 & -5 \\ 0 & 0 & 1 & -1 & 0 & -1 & -3 \end{pmatrix}$ 

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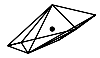
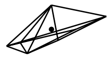
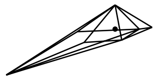
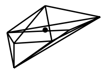
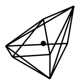
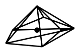
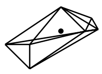
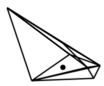
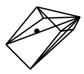
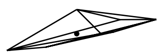
	Face Lattice	Comments	Vertices	
153	10	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & -1 & -2 & 2 \\ 0 & 0 & 1 & -1 & 0 & -3 & 3 \end{pmatrix}$	
154	11		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & -3 & 1 \end{pmatrix}$	
155	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -3 \\ 0 & 1 & 0 & -1 & -1 & 1 & -4 \\ 0 & 0 & 1 & -1 & -2 & 2 & -5 \end{pmatrix}$	
156	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & -2 & -1 & 1 \end{pmatrix}$	
157	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & -2 & 1 & 1 \end{pmatrix}$	
158	13	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 0 & 1 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & -3 \end{pmatrix}$	
159	12	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -2 & -1 \\ 0 & 1 & 1 & -1 & 1 & -1 & -2 \\ 0 & 0 & 2 & -1 & 1 & -1 & -1 \end{pmatrix}$	
160	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 & -2 \\ 0 & 1 & 1 & -1 & 1 & 0 & 2 \\ 0 & 0 & 2 & -1 & 1 & 1 & -1 \end{pmatrix}$	
161	14		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & -2 & 2 \\ 0 & 0 & 2 & -1 & 1 & -1 & 3 \end{pmatrix}$	
162	15		$\begin{pmatrix} 1 & 0 & 1 & -1 & -2 & 1 & 2 \\ 0 & 1 & 1 & -1 & -2 & 2 & 3 \\ 0 & 0 & 2 & -1 & -3 & 3 & 5 \end{pmatrix}$	

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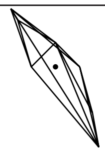
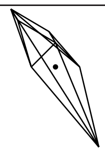
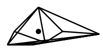
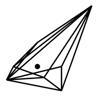
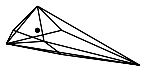
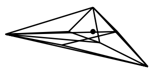
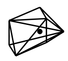
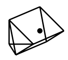
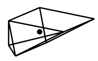
	Face Lattice	Comments	Vertices	
163	10	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -1 \\ 0 & 1 & -2 & 1 & 0 & -1 & 1 \\ 0 & 0 & 3 & -2 & 0 & 2 & -3 \end{pmatrix}$	
164	16		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -1 & 0 \\ 0 & 1 & -2 & 1 & 0 & 1 & 1 \\ 0 & 0 & 3 & -2 & 0 & -3 & -1 \end{pmatrix}$	
165	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 \end{pmatrix}$	
166	13	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	
167	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & 4 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	
168	16		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & -3 & 2 \end{pmatrix}$	
169	10	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -3 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 1 \end{pmatrix}$	
170	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
171	17		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -1 \end{pmatrix}$	
172	17		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	

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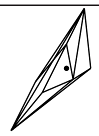
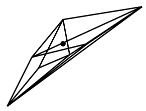
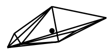
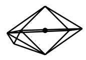
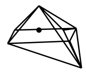
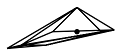
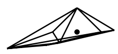
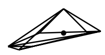
	Face Lattice	Comments	Vertices	
173	11		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & 1 \\ 0 & 1 & 0 & -1 & -1 & -3 & 2 \\ 0 & 0 & 1 & -1 & 0 & -1 & -1 \end{pmatrix}$	
174	15		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & 3 \\ 0 & 1 & 0 & -1 & -1 & -3 & 2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
175	10	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & -2 & -3 & 1 \end{pmatrix}$	
176	12	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 \\ 0 & 1 & 1 & -1 & 0 & -1 & -1 \\ 0 & 0 & 2 & -1 & 0 & 0 & -2 \end{pmatrix}$	
177	10	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
178	10	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -4 \\ 0 & 1 & 1 & -1 & 0 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & -3 \end{pmatrix}$	
179	11		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
180	12	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 & -2 \\ 0 & 1 & 1 & -1 & 0 & -2 & -1 \\ 0 & 0 & 2 & -1 & 0 & -3 & -1 \end{pmatrix}$	
181	11		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 & -1 \\ 0 & 1 & 1 & -1 & 0 & -2 & 0 \\ 0 & 0 & 2 & -1 & 0 & -3 & 1 \end{pmatrix}$	
182	16		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 & -4 \\ 0 & 1 & 1 & -1 & 0 & -1 & -2 \\ 0 & 0 & 2 & -1 & 0 & -1 & -3 \end{pmatrix}$	
183	11		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 & -1 \\ 0 & 1 & 1 & -1 & 0 & -1 & -2 \\ 0 & 0 & 2 & -1 & 0 & -1 & -3 \end{pmatrix}$	

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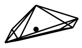
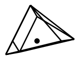
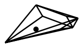
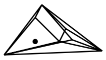
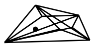
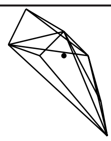
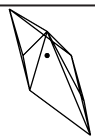
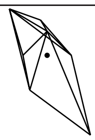
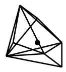
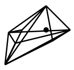
	Face Lattice	Comments	Vertices	
184	15		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
185	18		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
186	11		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 & 2 \\ 0 & 1 & 1 & -1 & 1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 1 & 1 & -1 \end{pmatrix}$	
187	11		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 2 & 0 \\ 0 & 1 & 1 & -1 & 1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 1 & 3 & 1 \end{pmatrix}$	
188	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 & 2 \\ 0 & 1 & 1 & -1 & 1 & 2 & 0 \\ 0 & 0 & 2 & -1 & 1 & 3 & 1 \end{pmatrix}$	
189	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -2 \\ 0 & 1 & -2 & 1 & 0 & -1 & 0 \\ 0 & 0 & 3 & -2 & 0 & 2 & -1 \end{pmatrix}$	
190	14		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -1 \\ 0 & 1 & -2 & 1 & 0 & -1 & -1 \\ 0 & 0 & 3 & -2 & 0 & 2 & 1 \end{pmatrix}$	
191	19		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 \\ 0 & 1 & -2 & 1 & 0 & 1 & -1 \\ 0 & 0 & 3 & -2 & 0 & -1 & 1 \end{pmatrix}$	
192	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	
193	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 1 \end{pmatrix}$	

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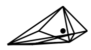
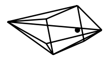
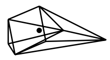
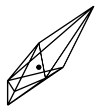
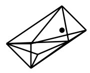
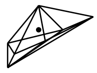
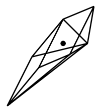
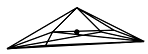
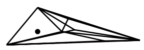
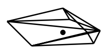
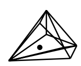
	Face Lattice	Comments	Vertices	
194	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 \end{pmatrix}$	
195	11		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -3 \end{pmatrix}$	
196	15		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 3 \end{pmatrix}$	
197	20	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & -2 & 3 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
198	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & -1 & -2 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -1 \end{pmatrix}$	
199	20	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
200	21		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & 1 \\ 0 & 1 & 0 & -1 & -1 & -3 & 2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
201	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & -2 & 2 \\ 0 & 1 & 1 & -1 & 0 & -2 & 1 \\ 0 & 0 & 2 & -1 & 0 & -3 & 3 \end{pmatrix}$	
202	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 2 & 3 \\ 0 & 1 & 1 & -1 & 1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 1 & 3 & 5 \end{pmatrix}$	
203	14		$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 & -2 \\ 0 & 1 & 1 & -1 & 1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 1 & 1 & -1 \end{pmatrix}$	
204	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & 0 & 1 & 0 \\ 0 & 1 & 1 & -1 & 1 & 0 & 2 \\ 0 & 0 & 2 & -1 & 1 & 1 & 1 \end{pmatrix}$	

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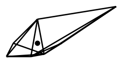
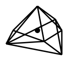
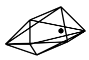
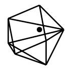
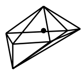
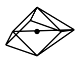
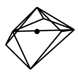
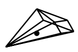
	Face Lattice	Comments	Vertices	
205	9	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 \end{pmatrix}$	
206	10	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
207	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
208	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 3 \end{pmatrix}$	
209	20	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -1 \end{pmatrix}$	
210	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
211	20	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & -2 & 2 & -1 \end{pmatrix}$	
212	23		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 0 \\ 0 & 1 & 1 & -1 & 0 & -1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & -1 \end{pmatrix}$	
213	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -4 \\ 0 & 1 & 1 & -1 & 0 & 1 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & -3 \end{pmatrix}$	
214	11		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 0 \\ 0 & 1 & 1 & -1 & 0 & 1 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
215	21		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 1 & 1 & -1 \end{pmatrix}$	

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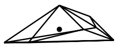
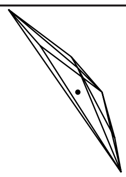
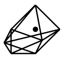
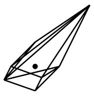
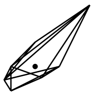
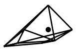
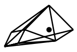
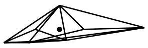
	Face Lattice	Comments	Vertices	
216	16		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -2 & 2 \\ 0 & 1 & 1 & -1 & 1 & -1 & 0 \\ 0 & 0 & 2 & -1 & 1 & -1 & 1 \end{pmatrix}$	
217	11		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -2 & 0 \\ 0 & 1 & -2 & 1 & -1 & 2 & 1 \\ 0 & 0 & 3 & -2 & 2 & -3 & -1 \end{pmatrix}$	
218	20	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 \end{pmatrix}$	
219	15		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	
220	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	
221	14		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
222	16		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -1 & -3 \end{pmatrix}$	
223	20	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 2 \end{pmatrix}$	
224	11		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -2 & -3 \end{pmatrix}$	
225	10	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 2 \end{pmatrix}$	

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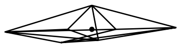
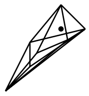
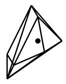
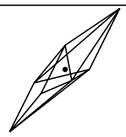
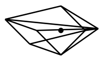
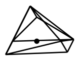
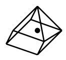
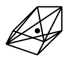
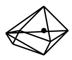
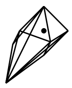
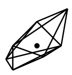
	Face Lattice	Comments	Vertices	
226	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -3 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 2 \end{pmatrix}$	
227	15		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & -1 & -2 & -3 \\ 0 & 0 & 1 & -1 & 0 & -1 & -1 \end{pmatrix}$	
228	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -1 \end{pmatrix}$	
229	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & 2 \\ 0 & 1 & 0 & -1 & -1 & -3 & 3 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
230	21		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -2 \\ 0 & 1 & 1 & -1 & 0 & -1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & -1 \end{pmatrix}$	
231	15		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
232	24		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
233	16		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 \end{pmatrix}$	
234	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -2 \end{pmatrix}$	
235	10	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -2 \end{pmatrix}$	
236	20	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	

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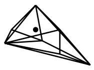
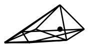
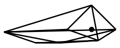
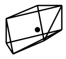
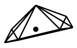
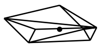
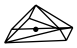
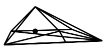
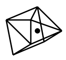
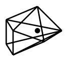
	Face Lattice	Comments	Vertices	
237	10	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	
238	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 & -1 \end{pmatrix}$	
239	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 1 \end{pmatrix}$	
240	16		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -2 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 \end{pmatrix}$	
241	25		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
242	14		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -1 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 \end{pmatrix}$	
243	18		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -2 \\ 0 & 1 & 1 & -1 & 0 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
244	21		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
245	10	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & 3 \end{pmatrix}$	
246	23		$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & 0 & -1 \\ 0 & 0 & 1 & 0 & -1 & -1 & -1 \end{pmatrix}$	
247	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	

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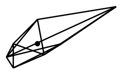
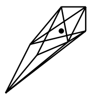
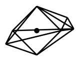
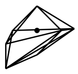
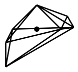
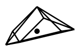
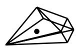
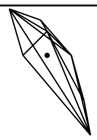
	Face Lattice	Comments	Vertices	
248	20	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	
249	11		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 \end{pmatrix}$	
250	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & -1 & 1 & -3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
251	12	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 \end{pmatrix}$	
252	12	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 \\ 0 & 1 & 1 & -1 & 0 & -1 & -2 \\ 0 & 0 & 2 & -1 & 0 & 0 & -1 \end{pmatrix}$	
253	13	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -2 \\ 0 & 1 & 1 & -1 & 0 & 1 & -1 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
254	12	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -1 \\ 0 & 1 & 1 & -1 & 0 & 1 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 \end{pmatrix}$	
255	16		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & 3 \end{pmatrix}$	
256	18		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 \end{pmatrix}$	
257	21		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 1 & 1 & 1 \end{pmatrix}$	
258	9	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 \\ 0 & 1 & -2 & 1 & 0 & -1 & 1 \\ 0 & 0 & 3 & -2 & 0 & 2 & -1 \end{pmatrix}$	

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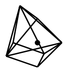
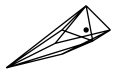
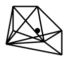
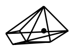
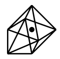
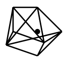
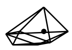
	Face Lattice	Comments	Vertices	
259	11		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	
260	11		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
261	14		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 \end{pmatrix}$	
262	13	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 \end{pmatrix}$	
263	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & -2 & 1 \end{pmatrix}$	
264	16		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 1 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 \end{pmatrix}$	
265	11		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 1 & 1 & 2 \\ 0 & 0 & 2 & -1 & 1 & 1 & 3 \end{pmatrix}$	
266	20	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & 0 & -1 \\ 0 & 0 & 1 & 0 & -1 & 0 & 0 \end{pmatrix}$	
267	16		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 \end{pmatrix}$	
268	20	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 \end{pmatrix}$	
269	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 2 \end{pmatrix}$	

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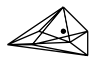
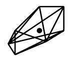
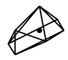
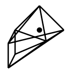
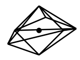
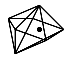
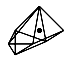
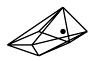
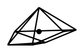
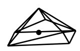
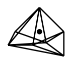
	Face Lattice	Comments	Vertices	
270	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
271	20	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 \end{pmatrix}$	
272	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
273	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
274	12	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 0 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 \end{pmatrix}$	
275	20	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & -1 & 0 & -1 \end{pmatrix}$	
276	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
277	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
278	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 2 \end{pmatrix}$	
279	15		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 \end{pmatrix}$	
280	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 0 \end{pmatrix}$	

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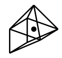
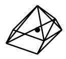
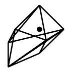
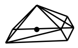
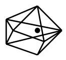
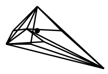
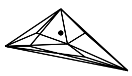
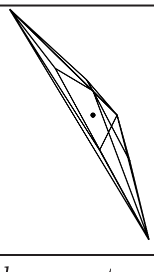
	Face Lattice	Comments	Vertices	
281	23		$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & 0 & -1 \\ 0 & 0 & 1 & 0 & -1 & 0 & -1 \end{pmatrix}$	
282	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
283	12	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	
284	21		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 1 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 \end{pmatrix}$	
285	22		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 8 vertices.

	Face Lattice	Comments	Vertices	
286	26	Simplicial Maximal	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 2 & -1 \end{pmatrix}$	
287	26	Simplicial Maximal	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -2 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
288	26	Simplicial Maximal	$\begin{pmatrix} 1 & 0 & 1 & -2 & -1 & 1 & 0 & 0 \\ 0 & 1 & -3 & 2 & 1 & -1 & -1 & 1 \\ 0 & 0 & 5 & -5 & -2 & 2 & 1 & -1 \end{pmatrix}$	

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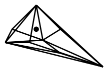
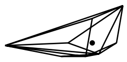
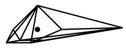
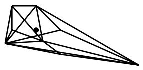
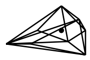
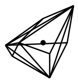
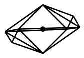
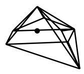
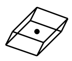
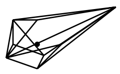
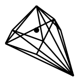
	Face Lattice	Comments	Vertices	
289	26	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 0 & -1 \end{pmatrix}$	
290	27		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -3 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 & 1 \end{pmatrix}$	
291	28		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 & 2 \end{pmatrix}$	
292	29	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & 4 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}$	
293	30	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
294	26	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & -2 & 1 & 1 \end{pmatrix}$	
295	31	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 1 & -1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 2 & -1 & 0 & 0 & -2 & 1 \end{pmatrix}$	
296	32		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -1 \end{pmatrix}$	
297	33		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
298	32		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}$	
299	29	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 2 \end{pmatrix}$	

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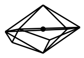
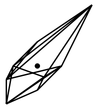
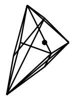
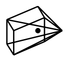
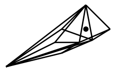
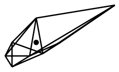
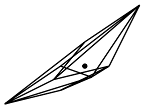
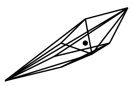
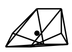
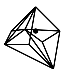
	Face Lattice	Comments	Vertices	
300	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -2 & 2 \end{pmatrix}$	
301	31	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
302	35		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -3 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -2 & 1 \end{pmatrix}$	
303	36		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
304	27		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
305	37		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
306	38		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -3 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
307	39		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -3 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
308	40		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 & 0 \end{pmatrix}$	
309	41		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -3 & 2 \end{pmatrix}$	
310	28		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 2 & -1 \end{pmatrix}$	

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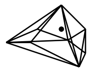
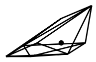
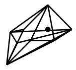
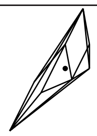
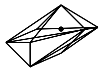
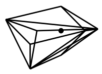
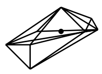
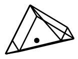
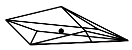
	Face Lattice	Comments	Vertices	
311	42	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -2 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
312	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & -2 & -1 & 1 \end{pmatrix}$	
313	35		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 1 & 1 \end{pmatrix}$	
314	43		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -2 & 1 \\ 0 & 1 & 0 & -1 & -1 & 1 & -3 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
315	30	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 & -2 \\ 0 & 1 & 1 & -1 & 0 & -1 & -2 & -1 \\ 0 & 0 & 2 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
316	27		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 & -2 \\ 0 & 1 & 1 & -1 & 0 & -1 & -2 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
317	35		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 & 2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -1 \end{pmatrix}$	
318	44	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -2 & -1 \\ 0 & 1 & 1 & -1 & 0 & 1 & -1 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 & -1 \end{pmatrix}$	
319	28		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 1 & -4 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -3 \end{pmatrix}$	
320	45		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -1 \end{pmatrix}$	
321	46		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -2 & 2 \\ 0 & 1 & 1 & -1 & 0 & 0 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 & 3 \end{pmatrix}$	

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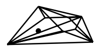
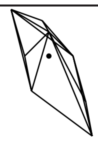
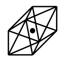
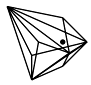
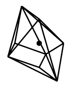
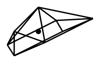
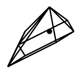
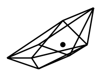
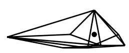
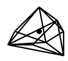
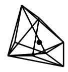
	Face Lattice	Comments	Vertices
322	27		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 & 1 & 2 \\ 0 & 1 & 1 & -1 & 1 & 1 & 2 & 0 \\ 0 & 0 & 2 & -1 & 1 & 1 & 3 & 1 \end{pmatrix}$ 
323	47		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 & -1 \\ 0 & 1 & -2 & 1 & 0 & -1 & 1 & -1 \\ 0 & 0 & 3 & -2 & 0 & 2 & -1 & 1 \end{pmatrix}$ 
324	48	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & 0 & -1 & 1 \\ 0 & 0 & 1 & 0 & -1 & 0 & 0 & 0 \end{pmatrix}$ 
325	26	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$ 
326	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 2 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 & -1 \end{pmatrix}$ 
327	49		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$ 
328	50		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$ 
329	49		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$ 
330	28		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 & -2 \end{pmatrix}$ 
331	30	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & -1 & 0 & -1 \end{pmatrix}$ 
332	51	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 0 & 1 \end{pmatrix}$ 

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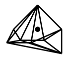
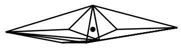
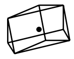
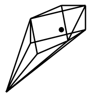
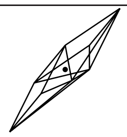
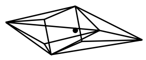
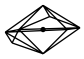
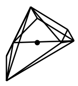
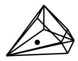
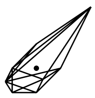
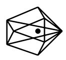
	Face Lattice	Comments	Vertices	
333	51	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & -1 & 0 & 1 \end{pmatrix}$	
334	42	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -3 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 & 2 \end{pmatrix}$	
335	52		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & -1 & 1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
336	38		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & -2 \\ 0 & 1 & 0 & -1 & -1 & 1 & 0 & -3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
337	53		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -2 & 2 \\ 0 & 1 & 0 & -1 & -1 & 1 & -3 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
338	35		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 & 2 \\ 0 & 1 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -3 & 3 \end{pmatrix}$	
339	30	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 & 0 \\ 0 & 1 & 1 & -1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 2 & -1 & 0 & 0 & -2 & 1 \end{pmatrix}$	
340	35		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & -1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 1 & -2 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & -1 & -1 \end{pmatrix}$	
341	50		$\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & 0 & 1 & 0 \\ 0 & 1 & 1 & -1 & 1 & 1 & 0 & 2 \\ 0 & 0 & 2 & -1 & 1 & 1 & 1 & 1 \end{pmatrix}$	
342	51	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}$	
343	54		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	

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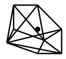
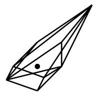
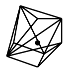
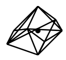
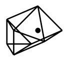
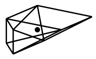
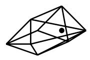
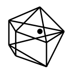
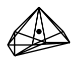
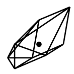
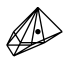
	Face Lattice	Comments	Vertices	
344	55		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}$	
345	38		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}$	
346	35		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}$	
347	30	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 2 \end{pmatrix}$	
348	56		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
349	56		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
350	49		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
351	49		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
352	51	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
353	49		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
354	54		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	

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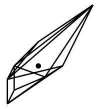
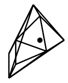
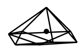
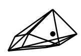
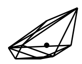
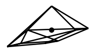
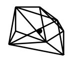
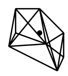
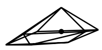
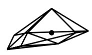
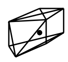
	Face Lattice	Comments	Vertices
355	57		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$ 
356	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$ 
357	58		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 & -2 \end{pmatrix}$ 
358	41		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 & -3 \end{pmatrix}$ 
359	51	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 & 1 \end{pmatrix}$ 
360	59		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -3 & 2 \end{pmatrix}$ 
361	51	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$ 
362	60	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$ 
363	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -2 & 2 & -1 \end{pmatrix}$ 
364	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -2 & 2 & -3 \end{pmatrix}$ 
365	62		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$ 

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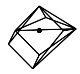
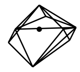
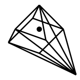
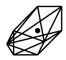
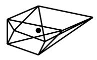
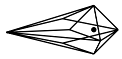
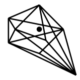
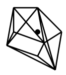
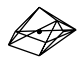
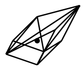
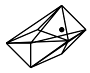
	Face Lattice	Comments	Vertices	
366	50		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 0 & 0 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & -1 \end{pmatrix}$	
367	28		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & -2 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -1 \end{pmatrix}$	
368	63		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 2 \end{pmatrix}$	
369	48	Regular	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}$	
370	64		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
371	35		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -2 \end{pmatrix}$	
372	30	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 2 \end{pmatrix}$	
373	35		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
374	65		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 2 \end{pmatrix}$	
375	43		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
376	30	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	

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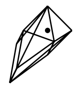
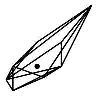
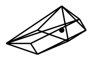
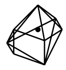
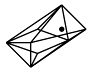
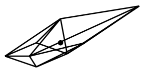
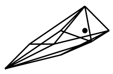
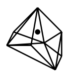
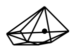
	Face Lattice	Comments	Vertices	
377	41		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & -3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -2 \end{pmatrix}$	
378	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}$	
379	66		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
380	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
381	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -2 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
382	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
383	38		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & -2 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
384	28		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -1 & 0 & -1 \end{pmatrix}$	
385	59		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 & 1 \end{pmatrix}$	
386	63		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & -1 & 2 & 1 \end{pmatrix}$	
387	67		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 2 & -2 \end{pmatrix}$	

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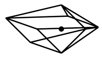
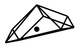
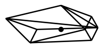
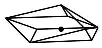
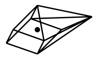
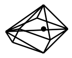
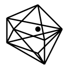
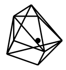
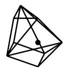
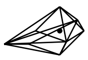
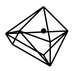
	Face Lattice	Comments	Vertices	
388	68		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 0 & -2 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & -1 \end{pmatrix}$	
389	45		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 & -1 \\ 0 & 1 & 1 & -1 & 0 & 1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & 1 \end{pmatrix}$	
390	45		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 1 & -2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -1 \end{pmatrix}$	
391	45		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 & -2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -1 \end{pmatrix}$	
392	69		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
393	67		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -2 \end{pmatrix}$	
394	51	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
395	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
396	41		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}$	
397	30	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
398	34		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -2 & 1 \end{pmatrix}$	

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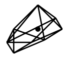
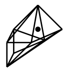
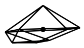
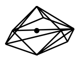
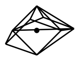
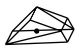
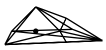
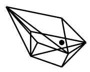
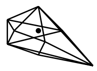
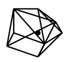
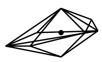
	Face Lattice	Comments	Vertices	
399	58		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
400	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
401	58		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 & 2 \end{pmatrix}$	
402	30	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	
403	70		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 0 & 0 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & -1 \end{pmatrix}$	
404	71		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 1 & 0 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -1 \end{pmatrix}$	
405	35		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & 3 \end{pmatrix}$	
406	72		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
407	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
408	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
409	44	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 & -2 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & -1 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & -1 \end{pmatrix}$	

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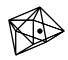
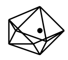
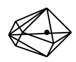
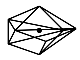
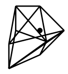
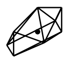
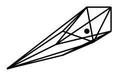
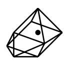
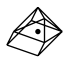
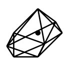
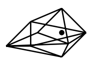
	Face Lattice	Comments	Vertices	
410	58		$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & 0 & 0 & -1 \\ 0 & 0 & 1 & 0 & -1 & 0 & -1 & -1 \end{pmatrix}$	
411	64		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
412	59		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -2 \end{pmatrix}$	
413	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 2 \end{pmatrix}$	
414	65		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
415	58		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
416	65		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
417	49		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 \end{pmatrix}$	
418	73		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
419	74	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
420	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	

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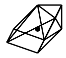
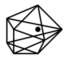
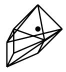
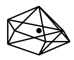
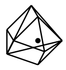
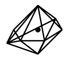
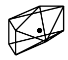
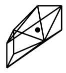
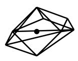
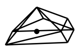
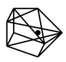
	Face Lattice	Comments	Vertices	
421	61		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
422	58		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
423	59		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
424	58		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
425	66		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
426	51	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
427	49		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
428	75		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
429	34		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 & 0 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & 1 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	
430	68		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 0 & 1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & 1 \end{pmatrix}$	
431	59		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 \end{pmatrix}$	

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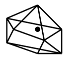
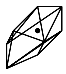
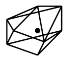
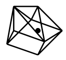
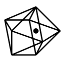
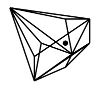
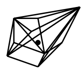
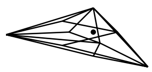
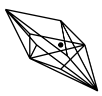
	Face Lattice	Comments	Vertices	
432	76		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 \end{pmatrix}$	
433	77		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 \end{pmatrix}$	
434	76		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 \end{pmatrix}$	
435	59		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 \end{pmatrix}$	
436	58		$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & 0 & -1 & 0 \\ 0 & 0 & 1 & 0 & -1 & 0 & 0 & -1 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 9 vertices.

	Face Lattice	Comments	Vertices	
437	78	Maximal	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
438	78		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
439	79		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -3 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -2 & 1 \end{pmatrix}$	
440	80		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 2 & -1 \end{pmatrix}$	

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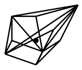
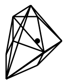
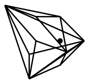
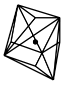
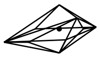
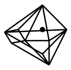
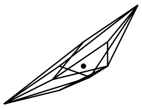
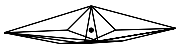
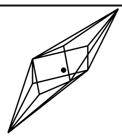
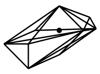
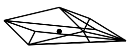
	Face Lattice	Comments	Vertices	
441	81		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
442	82		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
443	83		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
444	84		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 2 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 & -1 \end{pmatrix}$	
445	83		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -2 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & 2 \end{pmatrix}$	
446	85		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -2 & 1 & 1 \end{pmatrix}$	
447	86		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -3 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
448	84		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -3 & 3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 & -2 & 2 \end{pmatrix}$	
449	87		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & -2 & 2 \\ 0 & 1 & 0 & -1 & -1 & 1 & 0 & -3 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & 1 \end{pmatrix}$	
450	88	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 & -2 & -1 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & -1 & -2 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & -1 & -1 \end{pmatrix}$	
451	89		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 1 & -2 & 2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & -1 & 3 \end{pmatrix}$	

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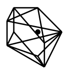
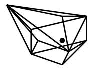
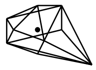
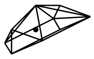
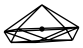
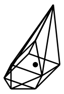
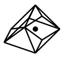
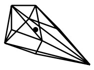
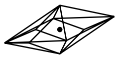
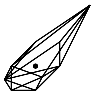
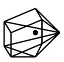
	Face Lattice	Comments	Vertices	
452	90		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
453	80		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
454	91		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
455	90		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
456	92		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & -1 & 1 & -2 & 2 \end{pmatrix}$	
457	93		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
458	94		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 2 \end{pmatrix}$	
459	95		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
460	95		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 2 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & -1 \end{pmatrix}$	
461	96		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}$	
462	97		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	

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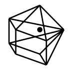
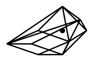
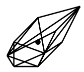
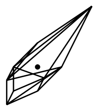
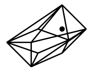
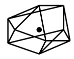
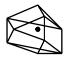
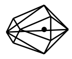
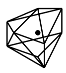
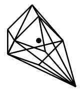
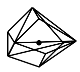
	Face Lattice	Comments	Vertices	
463	97		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
464	85		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
465	98		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
466	99		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
467	85		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & -2 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
468	100		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 \end{pmatrix}$	
469	101		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 \end{pmatrix}$	
470	102		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & -2 \end{pmatrix}$	
471	103		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
472	104		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & 2 \end{pmatrix}$	
473	105		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & 2 \end{pmatrix}$	

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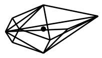
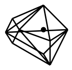
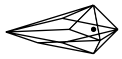
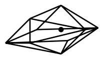
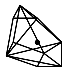
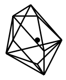
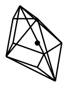
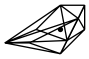
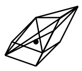
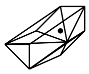
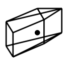
	Face Lattice	Comments	Vertices	
474	106		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 2 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & -2 \end{pmatrix}$	
475	85		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -2 & 1 \end{pmatrix}$	
476	107		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -2 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & -2 \end{pmatrix}$	
477	108		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -2 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & 2 \end{pmatrix}$	
478	109		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}$	
479	110		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
480	85		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 2 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 1 & -1 \end{pmatrix}$	
481	111	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
482	86		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
483	112		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
484	113		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	

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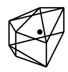
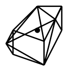
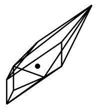
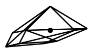
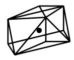
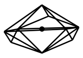
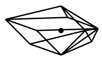
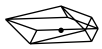
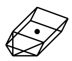
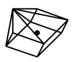
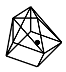
	Face Lattice	Comments	Vertices	
485	114		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
486	115		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
487	116		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & -2 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
488	117		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & -1 & -2 & 2 & -3 \end{pmatrix}$	
489	118		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & 1 & 0 \\ 0 & 1 & 0 & -1 & -1 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 \end{pmatrix}$	
490	119	Simplicial	$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & -1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 0 & -1 & -1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & -2 & 1 & 1 \end{pmatrix}$	
491	120		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 & -2 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & 1 & -1 \end{pmatrix}$	
492	121		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 1 & 0 & 1 & -2 \\ 0 & 1 & 1 & -1 & 0 & 1 & 1 & 0 & 0 \\ 0 & 0 & 2 & -1 & 0 & 1 & 1 & 1 & -1 \end{pmatrix}$	
493	122		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 \end{pmatrix}$	
494	123		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 \end{pmatrix}$	
495	85		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	

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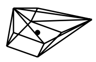
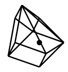
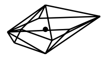
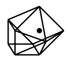
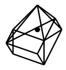
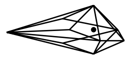
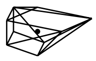
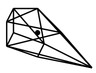
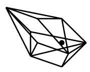
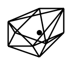
	Face Lattice	Comments	Vertices	
496	124		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
497	125		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
498	126		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 2 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & -2 \end{pmatrix}$	
499	127		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
500	102		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
501	82		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -3 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & -2 \end{pmatrix}$	
502	85		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
503	128		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
504	108		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
505	129		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
506	130		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & 0 \end{pmatrix}$	

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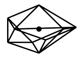
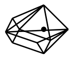
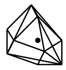
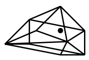
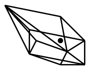
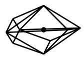
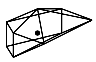
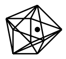
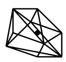
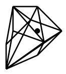
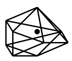
	Face Lattice	Comments	Vertices	
507	131		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & 2 \end{pmatrix}$	
508	132		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & -2 \end{pmatrix}$	
509	133		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
510	134		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
511	94		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
512	85		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -2 & 2 \end{pmatrix}$	
513	127		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & -1 & 1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
514	135	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & 0 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
515	96		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 \end{pmatrix}$	
516	82		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
517	136		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	

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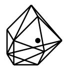
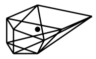
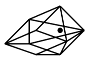
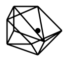
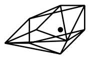
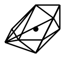
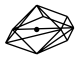
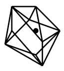
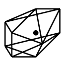
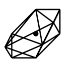
	Face Lattice	Comments	Vertices	
518	137		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
519	136		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
520	102		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
521	138		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
522	133		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
523	139		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
524	140		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
525	85		$\begin{pmatrix} 1 & 0 & 1 & -1 & -1 & 0 & 1 & 0 & 1 \\ 0 & 1 & 1 & -1 & 0 & -1 & 1 & 1 & 0 \\ 0 & 0 & 2 & -1 & 0 & 0 & 1 & 1 & 1 \end{pmatrix}$	
526	141		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
527	142		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 \end{pmatrix}$	
528	143	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 \end{pmatrix}$	

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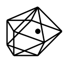
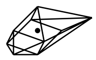
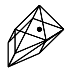
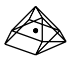
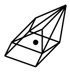
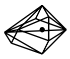
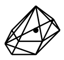
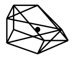
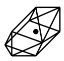
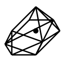
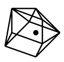
	Face Lattice	Comments	Vertices	
529	136		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
530	144		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
531	117		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
532	145		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 \end{pmatrix}$	
533	146		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 \end{pmatrix}$	
534	93		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & -2 \end{pmatrix}$	
535	147		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
536	127		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 \end{pmatrix}$	
537	142		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 \end{pmatrix}$	
538	148		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 \end{pmatrix}$	
539	149		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 \end{pmatrix}$	

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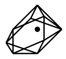
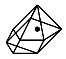
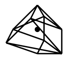
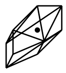
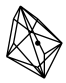
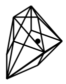
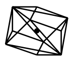
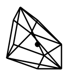
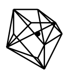
	Face Lattice	Comments	Vertices	
540	138		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
541	150		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	
542	151		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 \end{pmatrix}$	
543	152		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 10 vertices.

	Face Lattice	Comments	Vertices	
544	153	Maximal	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & 1 \end{pmatrix}$	
545	154	Maximal	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & -1 \end{pmatrix}$	
546	155		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 \end{pmatrix}$	
547	156		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 \end{pmatrix}$	
548	157		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}$	

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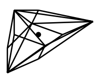
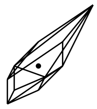
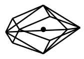
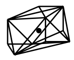
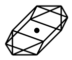
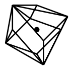
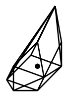
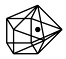
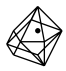
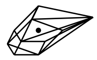
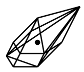
	Face Lattice	Comments	Vertices	
549	158		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 2 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}$	
550	159		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & -2 & 3 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
551	160		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & -2 & 2 \end{pmatrix}$	
552	161	Simplicial	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 1 & -1 & 1 & 0 & 0 \\ 0 & 1 & 0 & -1 & -1 & 1 & 0 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 & -1 \end{pmatrix}$	
553	162		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 \end{pmatrix}$	
554	163		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 \end{pmatrix}$	
555	164		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 \end{pmatrix}$	
556	165		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & -1 \end{pmatrix}$	
557	160		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & 1 \end{pmatrix}$	
558	166		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & 1 \end{pmatrix}$	
559	167		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}$	

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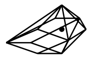
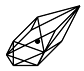
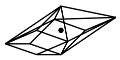
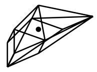
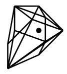
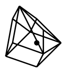
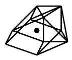
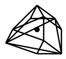
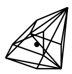
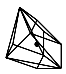
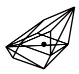
	Face Lattice	Comments	Vertices	
560	168		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & -1 \end{pmatrix}$	
561	169		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & -1 \end{pmatrix}$	
562	156		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 2 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}$	
563	170		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 2 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}$	
564	171		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 \end{pmatrix}$	
565	172		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 \end{pmatrix}$	
566	165		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 & 0 \end{pmatrix}$	
567	173		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 \end{pmatrix}$	
568	174		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 \end{pmatrix}$	
569	175		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 \end{pmatrix}$	
570	176		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 2 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 & -2 \end{pmatrix}$	

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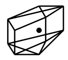
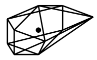
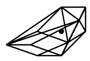
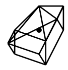
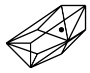
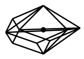
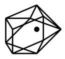
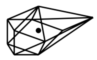
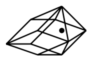
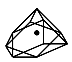
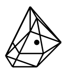
	Face Lattice	Comments	Vertices	
571	177		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
572	178		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
573	179		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
574	180		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}$	
575	181		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & -2 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
576	182		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & -1 & 2 & -2 \end{pmatrix}$	
577	183		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & 1 \end{pmatrix}$	
578	184		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & 1 \end{pmatrix}$	
579	185		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & -1 \end{pmatrix}$	
580	186		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & 1 \end{pmatrix}$	
581	187		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}$	

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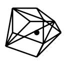
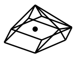
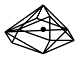
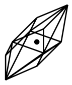
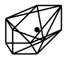
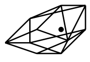
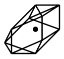
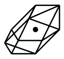
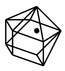
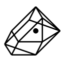
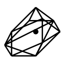
	Face Lattice	Comments	Vertices	
582	188		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 \end{pmatrix}$	
583	189		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 & 2 \end{pmatrix}$	
584	190		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 & -2 \end{pmatrix}$	
585	191		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 2 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 & -1 \end{pmatrix}$	
586	192		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
587	193		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & -1 & 1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & 0 & 0 & -1 & -1 \end{pmatrix}$	
588	194		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 \end{pmatrix}$	
589	195		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 \end{pmatrix}$	
590	196		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & 1 \end{pmatrix}$	
591	197		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & 1 \end{pmatrix}$	
592	198		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}$	

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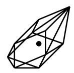
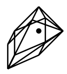
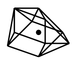
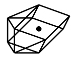
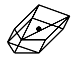
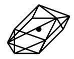
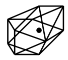
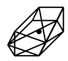
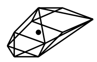
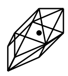
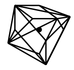
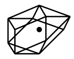
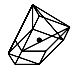
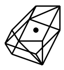
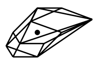
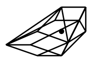
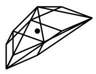
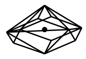
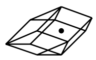
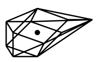
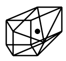
	Face Lattice	Comments	Vertices	
593	199		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & 1 \end{pmatrix}$	
594	200		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}$	
595	201		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 \end{pmatrix}$	
596	202		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 \end{pmatrix}$	
597	203		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 \end{pmatrix}$	
598	204		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 \end{pmatrix}$	
599	205		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 \end{pmatrix}$	
600	192		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 \end{pmatrix}$	
601	206		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 \end{pmatrix}$	
602	207		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 11 vertices.

	Face Lattice	Comments	Vertices	
603	208	Maximal	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 & -1 \end{pmatrix}$	
604	209		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 & 1 \end{pmatrix}$	
605	210		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 & -1 \end{pmatrix}$	
606	211		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	
607	212		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	
608	213		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
609	214		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 2 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 1 & -2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 & -1 \end{pmatrix}$	
610	215		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 0 & 1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 1 & 2 & -2 \end{pmatrix}$	
611	216		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 & -1 \end{pmatrix}$	
612	217		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 & 1 \end{pmatrix}$	
613	218		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	

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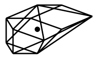
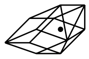
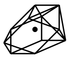
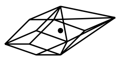
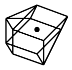
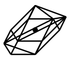
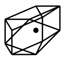
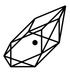
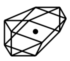
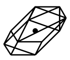
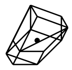
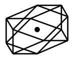
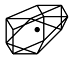
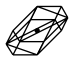
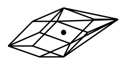
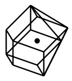
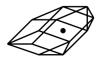
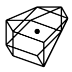
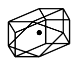
	Face Lattice	Comments	Vertices	
614	219		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
615	220		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
616	221		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	
617	222		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & -1 & 2 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & -1 & 1 & -1 \end{pmatrix}$	
618	223		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 & 1 \end{pmatrix}$	
619	224		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 & -1 \end{pmatrix}$	
620	225		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
621	226		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & -1 & 1 & 1 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	
622	227		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & -1 \end{pmatrix}$	
623	228		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & 1 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 12 vertices.

	Face Lattice	Comments	Vertices	
624	229	Maximal	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & 1 & -1 \end{pmatrix}$	
625	230		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
626	231		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & -1 & 1 \end{pmatrix}$	
627	232		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & 1 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & 0 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & 1 & -1 \end{pmatrix}$	
628	233		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 & -2 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 & -1 & 1 \end{pmatrix}$	
629	234		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & -1 & 0 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & -1 & 1 & -1 \end{pmatrix}$	
630	235		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & -2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & -1 & -1 \end{pmatrix}$	
631	236		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & -1 & 1 \end{pmatrix}$	

The Fano polytopes in $\mathbb{Z}^3$ with 13 vertices.

	Face Lattice	Comments	Vertices	
632	237		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & 1 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & -1 & 1 & 1 \end{pmatrix}$	

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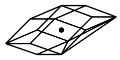
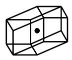
	Face Lattice	Comments	Vertices
633	238		$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & -2 & 2 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & -1 & -1 & 1 \end{pmatrix}$ 

The Fano polytopes in $\mathbb{Z}^3$ with 14 vertices.

	Face Lattice	Comments	Vertices
634	239	Maximal	$\begin{pmatrix} 1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 & 1 & 0 & 0 \\ 0 & 1 & 0 & -1 & 0 & -1 & 0 & 1 & -1 & 1 & 0 & 0 & 1 & -1 \\ 0 & 0 & 1 & -1 & 0 & 0 & -1 & 1 & 0 & 0 & -1 & 1 & 1 & -1 \end{pmatrix}$ 

3. The Fano Polytopes in $\mathbb{Z}^3$, with Parents and Children

In the following tables the Fano polytopes in $\mathbb{Z}^3$ are listed using the reference numbers assigned in Section 2. The first column of each table lists all Fano polytopes which can, by the addition of a single vertex, give the polytope in the second column. The third column lists the children of the corresponding polytope; if a Fano polytope can be obtained by the addition of a single vertex to the polytope in the second column then it is listed here. Simplicial polytopes are indicated by *italics* and regular polytopes are indicated by **bold**.

The Fano polytopes in $\mathbb{Z}^3$ with 4 vertices.

Parents		Children
	1	*10*
	2	*11*, *12*, *14*, *18*
	3	*13*, *15*, *16*, *17*
	4	*25*, **36**, **37**, *40*, *44*
	5	*16*, *17*, *18*, *22*, *23*, *25*, *26*, *27*
	6	*10*, *15*, *20*, *21*, *22*, *28*, *29*, *31*, *34*
	7	*11*, *26*, *28*, *29*, 33, **35**, *41*, *42*, *44*, *45*, *46*
	8	*12*, *13*, *14*, 19, *20*, *21*, *27*, *30*, *31*, *38*, *39*, *40*, *41*, *42*, *43*

The Fano polytopes in $\mathbb{Z}^3$ with 5 vertices.

Parents		Children
	9	*81*
1, *6*	*10*	*48*, *49*
2, *7*	*11*	*50*, *52*, *53*
2, *8*	*12*	*52*, *57*, *58*
3, *8*	*13*	*51*, *54*, *56*
2, *8*	*14*	*53*, *55*, *57*
3, *6*	*15*	*56*, *59*, *60*
3, *5*	*16*	*54*, *60*, *61*
3, *5*	*17*	*51*, *59*, *61*
2, *5*	*18*	*50*, *55*, *58*
8	19	*64*, 66, 67, 83

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Parents		Children
6, *8*	*20*	*72*, *74*, 79, *82*, *84*
6, *8*	*21*	*72*, *76*, *78*, *80*, 85
5, *6*	*22*	*60*, *63*, *65*, *73*, 87
5	*23*	*61*, *69*, *75*, *86*, 87
	24	*107*, *114*, **123**, 138, **139**, 141
4, *5*	*25*	*50*, *51*, *63*, *69*, *70*, *88*
5, *7*	*26*	*54*, *55*, *70*, *73*, *75*, *77*
5, *8*	*27*	*58*, *59*, *65*, *77*, *86*, *88*
6, *7*	*28*	*49*, *63*, *74*, *78*, *90*, *96*, *97*
6, *7*	*29*	*49*, *65*, *76*, 79, *91*, *97*, *98*
8	*30*	*81*, *86*, 87, *93*, *102*, 104, *107*
6, *8*	*31*	*59*, *80*, *84*, 87, *90*, *91*, *103*
	32	67, 92, 99, 104, **105**, *121*, 125, 138
7	33	66, 79, *89*, *95*, 99, 100, 106, 119
6	*34*	*48*, *56*, *73*, *82*, 85, *96*, *98*, *103*
7	**35**	*52*, *97*, *98*, 119, *120*, 129, *134*, 135, **136**
4	**36**	*88*, *108*, *115*, 124, **131**, *132*, *133*, **136**, **139**, *140*
4	**37**	**68**, *69*, *93*, 116, 117, 125, *126*, **131**, *137*, **139**
8	*38*	*71*, *81*, *82*, 83, *84*, 106, *108*, *111*, *112*, *113*, *114*
8	*39*	*57*, 67, *74*, *76*, *77*, 104, *114*, 116, *120*, *122*, *130*
4, *8*	*40*	*51*, *71*, *72*, *89*, *90*, *93*, *108*, *109*, *115*, 116, *126*, *133*
7, *8*	*41*	*53*, *54*, *64*, *65*, *78*, 79, *102*, *111*, *118*, *120*, *126*, *127*
7, *8*	*42*	*55*, 66, *80*, *91*, *101*, *102*, 106, *109*, *112*, *115*, *127*, 129, *130*
8	*43*	*52*, *56*, 83, *84*, 85, *88*, *103*, *107*, *113*, *118*, *122*, 129, *133*
4, *7*	*44*	*50*, *63*, *70*, *89*, *90*, *94*, *95*, *109*, 117, *127*, *132*, **136**, *137*, *140*

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Parents		Children
7	*45*	*73*, *94*, *96*, *97*, 106, *110*, *111*, *112*, *115*, *118*, 119, *128*, *134*, *140*, 141
7	*46*	*74*, *75*, *76*, *77*, 99, 100, *101*, *121*, *126*, *128*, *130*, *132*, 135, *137*, 141

The Fano polytopes in $\mathbb{Z}^3$ with 6 vertices.

Parents		Children
	47	*176*
10, *34*	*48*	*146*
10, *28*, *29*	*49*	*146*
11, *18*, *25*, *44*	*50*	*142*, *145*
13, *17*, *25*, *40*	*51*	*143*, *144*
11, *12*, **35**, *43*	*52*	*142*, *148*
11, *14*, *41*	*53*	*145*, *148*
13, *16*, *26*, *41*	*54*	*144*, *147*
14, *18*, *26*, *42*	*55*	*145*, *149*
13, *15*, *34*, *43*	*56*	*143*, *147*
12, *14*, *39*	*57*	*148*, *149*
12, *18*, *27*	*58*	*142*, *149*
15, *17*, *27*, *31*	*59*	*143*, *150*
15, *16*, *22*	*60*	*147*, *150*
16, *17*, *23*	*61*	*144*, *150*
	62	232, *251*, **266**
22, *25*, *28*, *44*	*63*	*151*, 154, *155*
19, *41*	*64*	*156*, *159*, *180*
22, *27*, *29*, *41*	*65*	*151*, *158*, 162
19, 33, *42*	66	*156*, 161, 185
19, 32, *39*	67	*159*, 161, 191
37	**68**	241, 250, **271**, 272
23, *25*, **37**	*69*	*144*, *152*, 154, *165*
25, *26*, *44*	*70*	*145*, *152*, *155*, *167*
38, *40*	*71*	*153*, *208*, *226*, 229
20, *21*, *40*	*72*	168, *169*, 173, 174

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Parents		Children
22, *26*, *34*, *45*	*73*	*147*, *155*, *158*, 179
20, *28*, *39*, *46*	*74*	*166*, 173, *178*, 184
23, *26*, *46*	*75*	*144*, *152*, *160*, 179
21, *29*, *39*, *46*	*76*	174, *177*, 186, *188*
26, *27*, *39*, *46*	*77*	*149*, *158*, *160*, *167*
21, *28*, *41*	*78*	173, *175*, *177*, 182
20, *29*, 33, *41*	79	174, 181, 183, 184
21, *31*, *42*	*80*	*169*, *175*, 187, *188*
9, *30*, *38*	*81*	*153*, *163*, 164, *201*
20, *34*, *38*	*82*	168, *178*, 181, *189*
19, *38*, *43*	83	*180*, 185, 190, 191
20, *31*, *38*, *43*	*84*	*166*, *169*, 183, *189*
21, *34*, *43*	85	168, 182, 186, 187
23, *27*, *30*	*86*	*150*, *160*, 162, *165*
22, *23*, *30*, *31*	87	*150*, 154, 162, 179
25, *27*, **36**, *43*	*88*	*142*, *143*, *151*, *165*, *167*
33, *40*, *44*	*89*	*192*, *197*, 200, *208*, *225*
28, *31*, *40*, *44*	*90*	154, *166*, *175*, *193*, *194*
29, *31*, *42*	*91*	162, 183, *188*, *194*, *202*
32	92	171, 172, 203, 244, 246
30, **37**, *40*	*93*	*153*, 154, 195, 196, *205*, *206*
44, *45*	*94*	*155*, *211*, *223*, *225*, *262*, 278
33, *44*	*95*	*156*, *198*, 200, *207*, *211*, *238*
28, *34*, *45*	*96*	*146*, *155*, *178*, 182, *193*, *213*
28, *29*, **35**, *45*	*97*	*146*, *151*, *177*, 184, *194*, *213*
29, *34*, **35**	*98*	*146*, *158*, 181, 186, *202*, *213*
32, 33, *46*	99	161, *197*, 203, *207*, 214, 243
33, *46*	100	174, *192*, *198*, 203, 231, 256
42, *46*	*101*	*188*, *199*, *204*, 215, 231, *237*
30, *41*, *42*	*102*	*157*, 162, 196, *201*, *206*, 216
31, *34*, *43*	*103*	*143*, 179, 187, *189*, *193*, *202*
30, 32, *39*	104	*160*, 164, 195, 196, 216, 217
32	**105**	*159*, *207*, 246, 247, 257, **275**
33, *38*, *42*, *45*	106	183, *208*, *211*, 214, 219, 230, 231

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Parents		Children
24, *30*, *43*	*107*	*163*, *165*, 179, *205*, *206*, 216, 217
36, *38*, *40*	*108*	*166*, 168, *208*, 219, *220*, 222, 224, *235*
40, *42*, *44*	*109*	*175*, *208*, 224, *225*, 227, 228, *237*, 240
45	*110*	*176*, 212, *223*, *226*, 230, 234, *251*, *252*, *274*
38, *41*, *45*	*111*	*180*, 181, *201*, *211*, *220*, 229, *239*, *252*, *254*
38, *42*, *45*	*112*	*169*, 185, *201*, 224, *226*, 231, *239*, *245*, 255
38, *43*	*113*	*163*, *189*, 190, *226*, 230, *235*, *252*, 255, *258*
24, *38*, *39*	*114*	164, *178*, 191, 214, 222, 229, *245*, *254*, *258*
36, *40*, *42*, *45*	*115*	*169*, *194*, *206*, 219, *225*, *226*, *237*, *248*, 249, 259
37, *39*, *40*	116	173, 174, 195, 200, 222, 227, 229, 249, 250, 260
37, *44*	117	154, 172, *199*, 200, 210, 228, *236*, 261, 272, 278
41, *43*, *45*	*118*	*147*, *151*, *180*, 182, 183, *206*, *252*, *253*, 263, *269*
33, **35**, *45*	119	181, 184, 185, 219, *225*, 230, *238*, 242, 243, 256
35, *39*, *41*	*120*	*148*, *158*, *159*, *177*, 184, 216, 250, *253*, *254*, *270*
32, *46*	*121*	*160*, *170*, *197*, 203, *204*, *209*, 244, 257, 279, *280*
39, *43*	*122*	*148*, *166*, *167*, 186, 191, 217, *253*, *258*, 260, 265
24	**123**	*254*, *258*, **266**, **271**, *274*, **275**, 281, 282, 284, 285
36	124	**218**, 219, 232, 233, 234, *235*, 259, 267, 282, *283*, 285

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Parents		Children
32, **37**	125	*170*, 171, 172, 195, 196, *209*, 210, 221, 241, 247, 276
37, *40*, *41*, *46*	*126*	*144*, 173, 174, 196, *197*, *220*, 228, 229, *248*, 250, *269*
41, *42*, *44*	*127*	*145*, *156*, *157*, *175*, *199*, *211*, 228, *239*, *248*, 263, *270*
45, *46*	*128*	*158*, *177*, 214, *220*, *237*, 256, *262*, 264, 273, *274*, 279
35, *42*, *43*	129	185, 187, *202*, 215, 216, 230, 240, 255, 259, 263, 265
39, *42*, *46*	*130*	*149*, 161, *188*, 196, *204*, 214, 227, *245*, 249, 265, *270*
36, **37**	**131**	**218**, *220*, *236*, 247, *248*, 260, **271**, 272, 273, 276, 277, 285
36, *44*, *46*	*132*	*166*, *167*, *192*, *207*, *237*, *248*, *262*, 267, *270*, 272, *280*, 282
36, *40*, *43*	*133*	*143*, 168, *169*, *192*, *193*, *205*, *226*, *235*, 240, 259, 260, *269*
35, *45*	*134*	*213*, 219, 242, *251*, *253*, *254*, 255, 259, *262*, 264, *283*, 284
35, *46*	135	184, 186, 215, 243, 250, 256, 257, 264, 265, 267, 277, 284
35, **36**, *44*	**136**	*142*, *151*, *194*, *225*, *238*, 240, 261, *262*, 263, 267, *270*, 277, *283*
37, *44*, *46*	*137*	*152*, *197*, *198*, *199*, *209*, 210, 227, 228, *268*, 272, 273, 277, 278, *280*
24, 32	138	191, 214, 216, 217, 233, 241, 243, 244, 246, **275**, 276, 279, *280*, 281
24, **36**, **37**	**139**	*165*, *205*, *206*, 221, 222, 233, 249, 261, *268*, *269*, **271**, 276, 278, *280*, 285
36, *44*, *45*	*140*	*193*, *208*, *223*, 224, 234, *236*, *238*, *239*, *248*, 263, *268*, 273, 278, 282, *283*
24, *45*, *46*	141	*178*, 179, 212, 229, 231, 243, 244, *245*, 249, *268*, *269*, *274*, 278, 279, 282, 284

The Fano polytopes in $\mathbb{Z}^3$ with 7 vertices.

Parents		Children
50, *52*, *58*, *88*, **136**	*142*	*287*
51, *56*, *59*, *88*, *103*, *133*	*143*	*286*
51, *54*, *61*, *69*, *75*, *126*	*144*	*286*
50, *53*, *55*, *70*, *127*	*145*	*287*
48, *49*, *96*, *97*, *98*	*146*	*288*
54, *56*, *60*, *73*, *118*	*147*	*286*
52, *53*, *57*, *120*, *122*	*148*	*287*
55, *57*, *58*, *77*, *130*	*149*	*287*
59, *60*, *61*, *86*, 87	*150*	*286*
63, *65*, *88*, *97*, *118*, **136**	*151*	291, *292*
69, *70*, *75*, *137*	*152*	*289*, 290
71, *81*, *93*	*153*	*334*, 338
63, *69*, 87, *90*, *93*, 117	154	290, 291
63, *70*, *73*, *94*, *96*	*155*	290, *292*
64, 66, *95*, *127*	*156*	*293*, 312
102, *127*	*157*	*294*, 305
65, *73*, *77*, *98*, *120*, *128*	*158*	*292*, 296
64, 67, **105**, *120*	*159*	*293*, *318*
75, *77*, *86*, 104, *121*	*160*	*289*, 296
66, 67, 99, *130*	161	*293*, 321
65, *86*, 87, *91*, *102*	162	291, 296
81, *107*, *113*	*163*	*334*, 340
81, 104, *114*	164	338, 340
69, *86*, *88*, *107*, **139**	*165*	*286*, *289*, 291
74, *84*, *90*, *108*, *122*, *132*	*166*	298, *299*, 307
70, *77*, *88*, *122*, *132*	*167*	*287*, *289*, *292*
72, *82*, 85, *108*, *133*	168	302, 306, 309
72, *80*, *84*, *112*, *115*, *133*	*169*	302, 307, 310
121, 125	*170*	303, *352*, 365
92, 125	171	308, 348, 365
92, 117, 125	172	308, 349, 353
72, *74*, *78*, 116, *126*	173	307, 309, 314
72, *76*, 79, 100, 116, *126*	174	306, 310, 314

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Parents		Children
78, *80*, *90*, *109*, *127*	*175*	307, *311*, 313
47, *110*	*176*	*295*, 300, *339*
76, *78*, *97*, *120*, *128*	*177*	*311*, 314, 317
74, *82*, *96*, *114*, 141	*178*	*299*, 309, 319
73, *75*, 87, *103*, *107*, 141	179	*286*, 290, 296
64, 83, *111*, *118*	*180*	312, *315*, *318*
79, *82*, *98*, *111*, 119	181	306, 316, 319
78, 85, *96*, *118*	182	309, 313, 317
79, *84*, *91*, 106, *118*	183	298, 310, 316
74, 79, *97*, 119, *120*, 135	184	298, 314, 319
66, 83, *112*, 119, 129	185	312, 320, 321
76, 85, *98*, *122*, 135	186	306, 317, 322
80, 85, *103*, 129	187	302, 313, 322
76, *80*, *91*, *101*, *130*	*188*	310, *311*, 322
82, *84*, *103*, *113*	*189*	*299*, 302, 316
83, *113*	190	*315*, 320, 323
67, 83, *114*, *122*, 138	191	*318*, 321, 323
89, 100, *132*, *133*	*192*	328, *332*, *347*, 373
90, *96*, *103*, *133*, *140*	*193*	290, *299*, 313, *325*
90, *91*, *97*, *115*, **136**	*194*	291, 298, *311*, *325*
93, 104, 116, 125	195	304, 330, 336, 338
93, *102*, 104, 125, *126*, *130*	196	305, 330, 336, 338
89, 99, *121*, *126*, *137*	*197*	327, *332*, 355, 382
95, 100, *137*	*198*	328, *331*, *359*, 381
101, 117, *127*, *137*	*199*	329, *333*, *359*, 380
89, *95*, 116, 117	200	327, 328, 360, 386
81, *102*, *111*, *112*	*201*	*294*, *334*, 338, 340
91, *98*, *103*, 129	*202*	296, 316, 322, *325*
92, 99, 100, *121*	203	*331*, *332*, 367, 391
101, *121*, *130*	*204*	*333*, 341, 367, 384
93, *107*, *133*, **139**	*205*	290, 304, 330, *334*, 346
93, *102*, *107*, *115*, *118*, **139**	*206*	291, 305, 330, *334*, 346
95, 99, **105**, *132*	*207*	*293*, 327, *331*, *361*, 395
71, *89*, 106, *108*, *109*, *140*	*208*	*301*, *347*, 355, 360, 364

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Parents		Children
121, 125, *137*	*209*	350, *352*, 353, 399, 400
117, 125, *137*	210	349, 351, 354, 357, 399
94, *95*, 106, *111*, *127*	*211*	*342*, *359*, 360, *361*, 363
110, 141	212	*339*, 387, 392, 401, 403
96, *97*, *98*, *134*	*213*	*288*, *292*, 317, 319, *325*
99, 106, *114*, *128*, *130*, 138	214	345, 355, *361*, 366, 367
101, 129, 135	215	322, 329, 341, 388, 396
102, 104, *107*, *120*, 129, 138	216	296, 305, 336, 340, 346
104, *107*, *122*, 138	217	*289*, 304, 336, 340, 346
124, **131**	**218**	*342*, **369**, 417, *419*, 422, 423
106, *108*, *115*, 119, 124, *134*	219	298, *301*, *342*, 345, 368, 375
108, *111*, *126*, *128*, **131**	*220*	306, *342*, 355, 356, *372*, 378
125, **139**	221	308, 330, 343, *352*, 357, 434
108, *114*, 116, **139**	222	309, 345, 358, 360, 371, 378
94, *110*, *140*	*223*	300, 363, 364, 401, 413, *426*
108, *109*, *112*, *140*	224	307, 356, 358, 364, 375, 377
89, *94*, *109*, *115*, 119, **136**	*225*	*301*, *362*, 364, 373, 382, 386
71, *110*, *112*, *113*, *115*, *133*	*226*	326, *334*, *347*, 364, 374, 387
109, 116, *130*, *137*	227	355, 358, 379, 383, 384, 386
109, 117, *126*, *127*, *137*	228	356, 360, 379, 380, 382, 385
71, *111*, *114*, 116, *126*, 141	229	337, 338, 355, 360, 374, 387
106, *110*, *113*, 119, 129	230	316, 363, 364, 366, 368, 388
100, *101*, 106, *112*, 141	231	310, *347*, *359*, 367, 375, 388
62, 124	232	297, 368, 392, 393, 417, 418, 435
124, 138, **139**	233	345, 346, **369**, 418, 421, 433, 434
110, 124, *140*	234	300, 374, 392, 393, 398, 412, 413
108, *113*, 124, *133*	*235*	*299*, 302, *347*, 368, 371, *372*, 377
117, **131**, *140*	*236*	329, 351, 353, 356, *394*, 413, *419*
101, *109*, *115*, *128*, *132*	*237*	*311*, *347*, *362*, 375, 380, 384, 396
95, 119, **136**, *140*	*238*	312, *342*, 363, *376*, 381, 386, 395
111, *112*, *127*, *140*	*239*	*294*, 312, 356, *359*, 374, *397*, 398
109, 129, *133*, **136**	240	313, 364, 373, 377, 383, 385, 396
68, 125, 138	241	335, 336, 349, 365, 399, 427, 434
119, *134*	242	319, 320, *362*, 368, *376*, 389, 390

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Parents		Children
99, 119, 135, 138, 141	243	321, 345, 366, 382, 390, 391, 395
92, *121*, 138, 141	244	*332*, 353, 365, 367, 403, 404, 421
112, *114*, *130*, 141	*245*	321, 338, 358, 367, 387, *397*, 405
92, **105**, 138	246	*331*, 348, 349, 391, 404, 410, 421
105, 125, **131**	247	303, 343, 348, 349, 350, 351, 422, 427
115, *126*, *127*, **131**, *132*, *140*	*248*	305, 307, *342*, 374, 380, 382, 407, 408
115, 116, *130*, **139**, 141	249	310, 330, 345, 384, 386, 387, 406, 408
68, 116, *120*, *126*, 135	250	314, 327, 336, 337, 378, 379, 408, 416
62, *110*, *134*	*251*	*295*, 326, 368, 392, 393, *409*, *426*, 429
110, *111*, *113*, *118*	*252*	*315*, 316, *334*, 363, *372*, 387, 398, *409*
118, *120*, *122*, *134*	*253*	*292*, 298, 317, *318*, 346, *409*, 414, 416
111, *114*, *120*, **123**, *134*	*254*	*318*, 319, 337, 340, *361*, 378, *397*, *409*
112, *113*, 129, *134*	255	302, 320, 326, 340, 377, 388, 398, 405
100, 119, *128*, 135	256	306, 314, 373, 375, 381, 388, 389, 391
105, *121*, 135	257	303, 327, 341, 350, 391, 404, 430, 431
113, *114*, *122*, **123**	*258*	*299*, 323, 340, 366, 371, 374, 405, *409*
115, 124, 129, *133*, *134*	259	302, *325*, 326, 346, 368, 373, 396, 406, 407
116, *122*, **131**, *133*	260	304, 306, 307, 328, 371, 374, 383, 406, 416
117, **136**, **139**	261	291, 308, *333*, 354, 385, 386, *394*, 432, 433
94, *128*, *132*, *134*, **136**	*262*	*292*, *342*, 344, *361*, *362*, 373, *426*, 428, 433
118, *127*, 129, **136**, *140*	263	305, 312, 313, 329, 363, 385, 398, 407, 414
128, *134*, 135	264	317, 344, 345, 378, 389, 396, 423, 429, 430
122, 129, *130*, 135	265	321, 322, 336, 341, 366, 383, 405, 406, 414
62, **123**	**266**	**324**, *409*, 417, 418, 424, *426*, 429, 435, 436
124, *132*, 135, **136**	267	298, 344, 373, 395, 396, 408, 414, 431, 432, 435

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Parents		Children
137, **139**, *140*, 141	*268*	357, 358, *359*, 385, 400, 401, 412, *419*, 420, 421
118, *126*, *133*, **139**, 141	*269*	*286*, 309, 310, 330, *332*, *372*, 385, 387, 407, 416
120, *127*, *130*, *132*, **136**	*270*	*287*, *293*, 305, *311*, *333*, *361*, 379, *397*, 408, 414
68, **123**, **131**, **139**	**271**	**369**, 378, 408, 415, 416, *419*, 424, 427, 428, 432, 434
68, 117, **131**, *132*, *137*	272	327, 328, 349, 370, 379, 380, 399, 415, *419*, 428, 432
128, **131**, *137*, *140*	273	351, 355, 356, 380, 381, 400, 412, 413, 423, 425, 428
110, **123**, *128*, 141	*274*	*339*, *347*, 366, *372*, 388, *402*, 403, 412, 413, *426*, 429
105, **123**, 138	**275**	*318*, *361*, **369**, 395, 410, 421, 422, 427, 430, 431, 436
125, **131**, 138, **139**	276	304, 305, 348, *352*, 353, 354, 399, 400, 411, 422, 427, 434
131, 135, **136**, *137*	277	329, 350, 354, 379, 381, 382, 383, 420, 423, 428, 431, 432
94, 117, *137*, **139**, *140*, 141	278	290, 353, 357, *359*, 360, 370, 382, 386, 401, 413, 428, 433
121, *128*, 138, 141	279	296, 355, 365, 367, 384, 391, 400, *402*, 403, 425, 430, 433
121, *132*, *137*, 138, **139**	*280*	*289*, *331*, *332*, *333*, *352*, 382, 384, 399, 415, 421, 425, 431, 433
123, 138	281	323, 335, 366, 390, *402*, 403, 404, 410, 411, 415, 418, 425, 427, 436
123, 124, *132*, *140*, 141	282	*299*, *347*, 370, 374, 375, 392, 395, *397*, 407, 408, *419*, 421, 425, *426*, 435
124, *134*, **136**, *140*	*283*	*301*, *325*, *376*, 377, 393, *394*, *397*, 398, 407, 414, 420, 423, *426*, 433, 435
123, *134*, 135, 141	284	319, 337, 375, 388, 390, 392, 404, 405, 406, 416, 420, 428, 429, 430, 435

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Parents		Children
123, 124, **131**, **139**	285	343, 370, 371, *372*, *394*, 406, 407, 411, 412, 413, 417, 418, 420, 422, 424, 425, 431, 432, 434

The Fano polytopes in $\mathbb{Z}^3$ with 8 vertices.

Parents		Children
143, *144*, *147*, *150*, *165*, 179, *269*	*286*	
142, *145*, *148*, *149*, *167*, *270*	*287*	
146, *213*	*288*	
152, *160*, *165*, *167*, 217, *280*	*289*	437
152, 154, *155*, 179, *193*, *205*, 278	290	437
151, 154, 162, *165*, *194*, *206*, 261	291	437
151, *155*, *158*, *167*, *213*, *253*, *262*	*292*	437
156, *159*, 161, *207*, *270*	*293*	442
157, *201*, *239*	*294*	445
176, *251*	*295*	460
158, *160*, 162, 179, *202*, 216, 279	296	437
232	297	493, 494
166, 183, 184, *194*, 219, *253*, 267	298	438, 441
166, *178*, *189*, *193*, *235*, *258*, 282	*299*	438, 439
176, *223*, 234	300	460, 512
208, 219, *225*, *283*	*301*	459, 466
168, *169*, 187, *189*, *235*, 255, 259	302	439, 440
170, 247, 257	303	462, 484
195, *205*, 217, 260, 276	304	445, 453
157, 196, *206*, 216, *248*, 263, *270*, 276	305	445, 454
168, 174, 181, 186, *220*, 256, 260	306	440, 447
166, *169*, 173, *175*, 224, *248*, 260	307	439, 441
171, 172, 221, 261	308	469, 471
168, 173, *178*, 182, 222, *269*	309	439, 447
169, 174, 183, *188*, 231, 249, *269*	310	440, 441
175, *177*, *188*, *194*, *237*, *270*	*311*	441, 443
156, *180*, 185, *238*, *239*, 263	312	442, 446

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Parents		Children
175, 182, 187, *193*, 240, 263	313	439, 443
173, 174, *177*, 184, 250, 256	314	441, 447
180, 190, *252*	*315*	446, *450*
181, 183, *189*, *202*, 230, *252*	316	438, 440
177, 182, 186, *213*, *253*, 264	317	443, 447
159, *180*, 191, *253*, *254*, **275**	*318*	442, *450*
178, 181, 184, *213*, 242, *254*, 284	319	438, 447
185, 190, 242, 255	320	446, 451
161, 185, 191, 243, *245*, 265	321	442, 451
186, 187, *188*, *202*, 215, 265	322	440, 443
190, 191, *258*, 281	323	*450*, 451
266	**324**	515, 537
193, *194*, *202*, *213*, 259, *283*	*325*	437, 438, 443
226, *251*, 255, 259	326	444, 480, 498
197, 200, *207*, 250, 257, 272	327	455, 487, 503
192, *198*, 200, 260, 272	328	455, 474, 511
199, 215, *236*, 263, 277	329	452, 477, 500
195, 196, *205*, *206*, 221, 249, *269*	330	448, 453, 454
198, 203, *207*, 246, *280*	*331*	455, *481*, 502
192, *197*, 203, 244, *269*, *280*	*332*	455, 472, 504
199, *204*, 261, *270*, *280*	*333*	452, *481*, 509
153, *163*, *201*, *205*, *206*, *226*, *252*	*334*	444, 445, 448
241, 281	335	489, 513, 532
195, 196, 216, 217, 241, 250, 265	336	449, 453, 454
229, 250, *254*, 284	337	449, 487, 496
153, 164, 195, 196, *201*, 229, *245*	338	445, 448, 449
176, 212, *274*	*339*	460, *490*, 512
163, 164, *201*, 216, 217, *254*, 255, *258*	340	444, 445, 449
204, 215, 257, 265	341	452, 491, 505
211, **218**, 219, *220*, *238*, *248*, *262*	*342*	457, 461, 465, 466
221, 247, 285	343	462, 469, 470, 540
262, 264, 267	344	461, 478, 515, 543
214, 219, 222, 233, 243, 249, 264	345	458, 461, 466, 482
205, *206*, 216, 217, 233, *253*, 259	346	437, 444, 453, 454

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Parents		Children
192, *208*, *226*, 231, *235*, *237*, *274*, 282	*347*	459, 472, 474, 480
171, 246, 247, 276	348	469, 484, 499, 522
172, 210, 241, 246, 247, 272	349	469, 485, 513, 519
209, 247, 257, 277	350	462, 485, 520, 521
210, *236*, 247, 273	351	463, 470, 485, 518
170, *209*, 221, 276, *280*	*352*	462, 471, 506, 522
172, *209*, *236*, 244, 276, 278	353	471, 485, 507, 519
210, 261, 276, 277	354	463, 469, 521, 523
197, *208*, 214, *220*, 227, 229, 273, 279	355	466, 472, 473, 487
220, 224, 228, *236*, *239*, 273	356	464, 465, 473, 475
210, 221, *268*, 278	357	456, 470, 519, 523
222, 224, 227, *245*, *268*	358	464, 476, 482, 488
198, *199*, *211*, 231, *239*, *268*, 278	*359*	465, 474, 477, *481*
200, *208*, *211*, 222, 228, 229, 278	360	466, 474, 487, 488
207, *211*, 214, *254*, *262*, *270*, **275**	*361*	461, 479, *481*, 487
225, *237*, 242, *262*	*362*	459, 478, 483, 486
211, *223*, 230, *238*, *252*, 263	363	457, 477, 479, 488
208, *223*, 224, *225*, *226*, 230, 240	364	459, 473, 480, 488
170, 171, 241, 244, 279	365	471, 484, 489, 522
214, 230, 243, *258*, 265, *274*, 281	366	458, 473, 479, 491
203, *204*, 214, 231, 244, *245*, 279	367	472, *481*, 482, 491
219, 230, 232, *235*, 242, *251*, 259	368	438, 457, 458, 459, 497
218, 233, **271**, **275**	**369**	461, 527, *528*, 537, 543
272, 278, 282, 285	370	474, 503, 519, 530, 542
222, *235*, *258*, 260, 285	371	439, 458, 474, 476, 501
220, *235*, *252*, *269*, *274*, 285	*372*	440, 457, 472, 475, 501
192, *225*, 240, 256, 259, *262*, 267	373	459, 478, 480, 504, 511
226, 229, 234, *239*, *248*, *258*, 260, 282	374	445, 473, 474, 496, 498
219, 224, 231, *237*, 256, 282, 284	375	441, 459, 465, 482, 497
238, 242, *283*	*376*	446, 457, 467, 483, 495
224, *235*, 240, 255, *283*	377	439, 475, 476, 480, 497
220, 222, 250, *254*, 264, **271**	378	447, 461, 464, 487, 501
227, 228, 250, *270*, 272, 277	379	464, 487, 503, 509, 510
199, 228, *237*, *248*, 272, 273	380	465, 474, 486, 500, 509

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Parents		Children
198, *238*, 256, 273, 277	381	465, 467, 477, 502, 511
197, *225*, 228, 243, *248*, 277, 278, *280*	382	466, 473, 486, 503, 504
227, 240, 260, 265, 277	383	473, 476, 505, 510, 511
204, 227, *237*, 249, 279, *280*	384	472, 482, 483, 505, 509
228, 240, 261, 263, *268*, *269*	385	475, 488, 500, 504, 510
200, *225*, 227, *238*, 249, 261, 278	386	466, 483, 488, 503, 511
212, *226*, 229, *245*, 249, *252*, *269*	387	448, 472, 488, 496, 498
215, 230, 231, 255, 256, *274*, 284	388	440, 477, 480, 491, 497
242, 256, 264	389	447, 467, 478, 492, 497
242, 243, 281, 284	390	451, 458, 486, 492, 495
203, 243, 246, 256, 257, 279	391	482, 491, 492, 502, 504
212, 232, 234, *251*, 282, 284	392	460, 494, 496, 498, 530, 533
232, 234, *251*, *283*	393	460, 494, 498, 516, 531, 534
236, 261, *283*, 285	*394*	452, 463, 471, 475, 534, 538
207, *238*, 243, 267, **275**, 282	395	442, 461, 479, 495, 502, 503
215, *237*, 240, 259, 264, 267	396	443, 478, 480, 497, 500, 505
239, *245*, *254*, *270*, 282, *283*	*397*	442, 445, 464, *481*, 496, 516
234, *239*, *252*, 255, 263, *283*	398	445, 446, 475, 477, 498, 516
209, 210, 241, 272, 276, *280*	399	506, 513, 518, 519, 521, 523
209, *268*, 273, 276, 279	400	507, 508, 518, 520, 522, 523
212, *223*, *268*, 278	401	456, 488, 507, 512, 524, 530
274, 279, 281	*402*	489, *490*, 491, 508, 525, 534
212, 244, *274*, 279, 281	403	472, 489, *490*, 507, 524, 533
244, 246, 257, 281, 284	404	455, 484, 485, 491, 533, 539
245, 255, *258*, 265, 284	405	449, 451, 476, 491, 498, 516
249, 259, 260, 265, 284, 285	406	440, 453, 458, 498, 505, 511, 526
248, 259, 263, *269*, 282, *283*, 285	407	439, 454, 457, 498, 500, 504, 526
248, 249, 250, 267, *270*, **271**, 282	408	441, 454, 461, 496, 503, 509, 526
251, *252*, *253*, *254*, *258*, **266**	*409*	438, 444, *450*, 479, 496, 501, 516
246, **275**, 281	410	492, 499, 502, 513, *514*, *528*, 539
276, 281, 285	411	499, 506, 507, 508, 521, 529, 532, 540
234, *268*, 273, *274*, 285	412	470, 474, 475, 508, 512, 531, 533, 535
223, 234, *236*, 273, *274*, 278, 285	413	470, 473, 477, 507, 512, 530, 534, 535
253, 263, 265, 267, *270*, *283*	414	442, 443, 452, 454, 479, 510, 516, 526

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Parents		Children
271, 272, *280*, 281	415	455, 486, 506, 509, 513, *528*, 536, 542
250, *253*, 260, *269*, **271**, 284	416	441, 447, 453, 455, 496, 501, 510, 526
218, 232, **266**, 285	417	457, 493, 529, 530, 531, 537, 538, 540, 541
232, 233, **266**, 281, 285	418	458, 493, 532, 533, 534, 537, 539, 540, 542
218, *236*, *268*, **271**, 272, 282	*419*	464, 465, 500, 518, 519, *528*, 530, 535, 538
268, 277, *283*, 284, 285	420	476, 477, 510, 520, 523, 530, 531, 538, 539
233, 244, 246, *268*, **275**, *280*, 282	421	*481*, 482, 504, 519, 522, 524, *528*, 533, 539
218, 247, **275**, 276, 285	422	462, 463, 499, 517, 518, 519, 520, 527, 529, 540
218, 264, 273, 277, *283*	423	463, 464, 466, 467, 500, 520, 531, 535, 541, 543
266, **271**, 285	424	468, 501, 517, 526, 535, 536, 537, 538, 540, 542
273, 279, *280*, 281, 282, 285	425	472, 473, 502, 509, 518, 522, 533, 534, 541, 542
223, *251*, *262*, **266**, *274*, 282, *283*	*426*	457, 459, 460, 479, 480, 515, 524, 530, 534, 535
241, 247, **271**, **275**, 276, 281	427	484, 485, 513, 517, 518, 521, 522, 527, 532, 540
262, **271**, 272, 273, 277, 278, 284	428	465, 485, 486, 487, 511, 523, 530, 535, 542, 543
251, 264, **266**, *274*, 284	429	458, 460, 480, 497, 501, 515, 525, 531, 533, 535
257, 264, **275**, 279, 284	430	482, 484, 487, 492, 505, 520, 525, 533, 541, 543
257, 267, **275**, 277, *280*, 285	431	452, 462, 502, 503, 504, 505, 521, 536, 539, 541, 543
261, 267, **271**, 272, 277, 285	432	469, 500, 503, 509, 510, 511, 521, 536, 538, 542, 543

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Parents		Children
233, 261, *262*, 278, 279, *280*, *283*	433	437, 466, 471, *481*, 483, 504, 523, 524, 534, 542, 543
221, 233, 241, **271**, 276, 285	434	453, 454, 468, 469, 471, 506, 519, 522, 523, 527, 532, 540
232, **266**, 267, 282, *283*, 284	435	438, 459, 494, 495, 496, 497, 515, 516, 526, 538, 539, 541, 542
266, **275**, 281	436	*450*, 479, 495, *514*, 517, 524, 525, 529, 532, 536, 537, 539, 541

The Fano polytopes in $\mathbb{Z}^3$ with 9 vertices.

Parents		Children
289, 290, 291, *292*, 296, *325*, 346, 433	437	
298, *299*, 316, 319, *325*, 368, *409*, 435	438	544
299, 302, 307, 309, 313, 371, 377, 407	439	544
302, 306, 310, 316, 322, *372*, 388, 406	440	544
298, 307, 310, *311*, 314, 375, 408, 416	441	544
293, 312, *318*, 321, 395, *397*, 414	442	545
311, 313, 317, 322, *325*, 396, 414	443	544
326, *334*, 340, 346, *409*	444	549
294, 304, 305, *334*, 338, 340, 374, *397*, 398	445	549
312, *315*, 320, *376*, 398	446	545
306, 309, 314, 317, 319, 378, 389, 416	447	544
330, *334*, 338, 387	448	549
336, 337, 338, 340, 405	449	549
315, *318*, 323, *409*, 436	*450*	545
320, 321, 323, 390, 405	451	545
329, *333*, 341, *394*, 414, 431	452	564, 581
304, 330, 336, 346, 406, 416, 434	453	548, 549
305, 330, 336, 346, 407, 408, 414, 434	454	548, 549
327, 328, *331*, *332*, 404, 415, 416	455	568, 582
357, 401	456	551, 578
342, 363, 368, *372*, *376*, 407, 417, *426*	457	555, 559, 561

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Parents		Children
345, 366, 368, 371, 390, 406, 418, 429	458	555, 565, 569
301, *347*, *362*, 364, 368, 373, 375, *426*, 435	459	547, 559, 569
295, 300, *339*, 392, 393, *426*, 429	460	546, 562, 585
342, 344, 345, *361*, **369**, 378, 395, 408	461	550, 555, 573
303, 343, 350, *352*, 422, 431	462	571, 577, 591
351, 354, *394*, 422, 423	463	571, 590, 594
356, 358, 378, 379, *397*, *419*, 423	464	558, 560, 573
342, 356, *359*, 375, 380, 381, *419*, 428	465	561, 569, 573
301, *342*, 345, 355, 360, 382, 386, 423, 433	466	550, 559, 569
376, 381, 389, 423	467	557, 561, 575
424, 434	468	548, 588, 592
308, 343, 348, 349, 354, 432, 434	469	571, 580, 592
343, 351, 357, 412, 413	470	551, 593, 594
308, *352*, 353, 365, *394*, 433, 434	471	571, 584, 592
332, *347*, 355, 367, *372*, 384, 387, 403, 425	472	559, 568, 570
355, 356, 364, 366, 374, 382, 383, 413, 425	473	558, 569, 570
328, *347*, *359*, 360, 370, 371, 374, 380, 412	474	563, 568, 569
356, *372*, 377, 385, *394*, 398, 412	475	560, 561, 570
358, 371, 377, 383, 405, 420	476	560, 563, 565
329, *359*, 363, 381, 388, 398, 413, 420	477	561, 563, 564
344, *362*, 373, 389, 396	478	547, 574, 575
361, 363, 366, 395, *409*, 414, *426*, 436	479	555, 558, 564
326, *347*, 364, 373, 377, 388, 396, *426*, 429	480	547, 563, 570
331, *333*, *359*, *361*, 367, *397*, 421, 433	*481*	564, 568, 573
345, 358, 367, 375, 384, 391, 421, 430	482	559, 565, 573
362, *376*, 384, 386, 433	483	559, 567, 575
303, 348, 365, 404, 427, 430	484	571, 583, 591
349, 350, 351, 353, 404, 427, 428	485	571, 593, 595

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Parents		Children
362, 380, 382, 390, 415, 428	486	567, 569, 574
327, 337, 355, 360, *361*, 378, 379, 428, 430	487	550, 558, 568
358, 360, 363, 364, 385, 386, 387, 401	488	558, 559, 563
335, 365, *402*, 403	489	*552*, 583, 584
339, *402*, 403	*490*	*552*, 576, 585
341, 366, 367, 388, 391, *402*, 404, 405	491	564, 565, 570
389, 390, 391, 410, 430	492	557, 565, 574
297, 417, 418	493	553, 596, 597, 598
297, 392, 393, 435	494	546, 554, 597, 598
376, 390, 395, 435, 436	495	545, 555, 557, 567
337, 374, 387, 392, *397*, 408, *409*, 416, 435	496	549, 554, 558, 568
368, 375, 377, 388, 389, 396, 429, 435	497	544, 547, 561, 565
326, 374, 387, 392, 393, 398, 405, 406, 407	498	549, 554, 563, 570
348, 410, 411, 422	499	556, 580, 586, 591
329, 380, 385, 396, 407, *419*, 423, 432	500	561, 563, 574, 581
371, *372*, 378, *409*, 416, 424, 429	501	544, 555, 560, 568
331, 381, 391, 395, 410, 425, 431	502	557, 564, 573, 582
327, 370, 379, 382, 386, 395, 408, 431, 432	503	550, 558, 567, 582
332, 373, 382, 385, 391, 407, 421, 431, 433	504	559, 570, 574, 582
341, 383, 384, 396, 406, 430, 431	505	565, 570, 575, 581
352, 399, 411, 415, 434	506	566, 577, 586, 592
353, 400, 401, 403, 411, 413	507	576, 578, 584, 593
400, *402*, 411, 412	508	576, 579, 583, 594
333, 379, 380, 384, 408, 415, 425, 432	509	567, 568, 573, 581
379, 383, 385, 414, 416, 420, 432	510	558, 560, 581, 582
328, 373, 381, 383, 386, 406, 428, 432	511	563, 569, 575, 582
300, *339*, 401, 412, 413	512	551, 562, 576, 585
335, 349, 399, 410, 415, 427	513	566, 572, 580, 595
410, 436	*514*	556, 557, 566, 600

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Parents		Children
324, 344, *426*, 429, 435	515	546, 547, 555, 601, 602
393, *397*, 398, 405, *409*, 414, 435	516	545, 549, 554, 560, 564
422, 424, 427, 436	517	588, 590, 591, 595, 599
351, 399, 400, *419*, 422, 425, 427	518	586, 590, 593, 594, 595
349, 353, 357, 370, 399, *419*, 421, 422, 434	519	572, 578, 592, 593, 595
350, 400, 420, 422, 423, 430	520	579, 587, 590, 591, 593
350, 354, 399, 411, 427, 431, 432	521	577, 580, 587, 590, 595
348, *352*, 365, 400, 421, 425, 427, 434	522	583, 584, 586, 591, 592
354, 357, 399, 400, 420, 428, 433, 434	523	578, 587, 592, 594, 595
401, 403, 421, *426*, 433, 436	524	559, 578, 584, 585, 601
402, 429, 430, 436	525	565, 579, 583, 585, 602
406, 407, 408, 414, 416, 424, 435	526	544, 548, 554, 555, 581, 582
369, 422, 427, 434	527	571, 572, 586, 587, 588, 599
369, 410, 415, *419*, 421	*528*	572, 573, 574, 586, 600, 601
411, 417, 422, 436	529	556, 577, 578, 579, 590, 596, 599
370, 392, 401, 413, 417, *419*, 420, *426*, 428	530	558, 562, 563, 578, 593, 598, 601
393, 412, 417, 420, 423, 429	531	560, 562, 563, 579, 594, 597, 602
335, 411, 418, 427, 434, 436	532	566, 580, 583, 584, 588, 595, 596
392, 403, 404, 412, 418, 421, 425, 429, 430	533	568, 570, 583, 585, 593, 597, 601
393, *394*, *402*, 413, 418, 425, *426*, 433	534	564, 570, 584, 585, 594, 598, 602
412, 413, *419*, 423, 424, *426*, 428, 429	535	561, 562, 569, 593, 594, 601, 602
415, 424, 431, 432, 436	536	567, 577, 580, 581, 582, 589, 600
324, **369**, 417, 418, 424, 436	537	553, 555, 588, 589, 599, 600, 601, 602
394, 417, *419*, 420, 424, 432, 435	538	560, 561, 581, 590, 592, 598, 600, 602
404, 410, 418, 420, 421, 431, 435, 436	539	564, 565, 582, 591, 595, 597, 600, 601
343, 411, 417, 418, 422, 424, 427, 434	540	577, 580, 588, 591, 592, 593, 594, 596, 599
417, 423, 425, 430, 431, 435, 436	541	557, 558, 559, 581, 589, 590, 591, 597, 602
370, 415, 418, 424, 425, 428, 432, 433, 435	542	567, 568, 569, 582, 589, 592, 595, 598, 601

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Parents		Children
344, **369**, 423, 428, 430, 431, 432, 433	543	550, 571, 573, 574, 575, 587, 589, 601, 602

The Fano polytopes in $\mathbb{Z}^3$ with 10 vertices.

Parents		Children
438, 439, 440, 441, 443, 447, 497, 501, 526	544	
442, 446, *450*, 451, 495, 516	545	
460, 494, 515	546	619
459, 478, 480, 497, 515	547	609
453, 454, 468, 526	548	603
444, 445, 448, 449, 453, 454, 496, 498, 516	549	603
461, 466, 487, 503, 543	550	607
456, 470, 512	551	617
489, *490*	*552*	610
493, 537	553	622, 623
494, 496, 498, 516, 526	554	603, 605
457, 458, 461, 479, 495, 501, 515, 526, 537	555	607, 608
499, *514*, 529	556	604, 613
467, 492, 495, 502, *514*, 541	557	606, 608
464, 473, 479, 487, 488, 496, 503, 510, 530, 541	558	605, 607
457, 459, 466, 472, 482, 483, 488, 504, 524, 541	559	607, 609
464, 475, 476, 501, 510, 516, 531, 538	560	605, 608
457, 465, 467, 475, 477, 497, 500, 535, 538	561	608, 609
460, 512, 530, 531, 535	562	617, 619
474, 476, 477, 480, 488, 498, 500, 511, 530, 531	563	605, 609

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Parents		Children
452, 477, 479, *481*, 491, 502, 516, 534, 539	564	605, 608
458, 476, 482, 491, 492, 497, 505, 525, 539	565	608, 609
506, 513, *514*, 532	566	604, 616
483, 486, 495, 503, 509, 536, 542	567	606, 607
455, 472, 474, *481*, 487, 496, 501, 509, 533, 542	568	605, 607
458, 459, 465, 466, 473, 474, 486, 511, 535, 542	569	607, 609
472, 473, 475, 480, 491, 498, 504, 505, 533, 534	570	605, 609
462, 463, 469, 471, 484, 485, 527, 543	571	620, 621
513, 519, 527, *528*	572	614, 616
461, 464, 465, *481*, 482, 502, 509, *528*, 543	573	607, 608
478, 486, 492, 500, 504, *528*, 543	574	606, 609
467, 478, 483, 505, 511, 543	575	606, 609
490, 507, 508, 512	576	610, 617
462, 506, 521, 529, 536, 540	577	604, 613, 620
456, 507, 519, 523, 524, 529, 530	578	612, 614, 617
508, 520, 525, 529, 531	579	611, 615, 617
469, 499, 513, 521, 532, 536, 540	580	604, 616, 620
452, 500, 505, 509, 510, 526, 536, 538, 541	581	605, 606, 608
455, 502, 503, 504, 510, 511, 526, 536, 539, 542	582	605, 606, 607
484, 489, 508, 522, 525, 532, 533	583	610, 611, 621
471, 489, 507, 522, 524, 532, 534	584	610, 612, 621
460, *490*, 512, 524, 525, 533, 534	585	610, 617, 619
499, 506, 518, 522, 527, *528*	586	613, 616, 621
520, 521, 523, 527, 543	587	614, 615, 620
468, 517, 527, 532, 537, 540	588	616, 620, 621, 622
536, 537, 541, 542, 543	589	606, 607, 620, 623

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Parents		Children
463, 517, 518, 520, 521, 529, 538, 541	590	613, 615, 618, 620
462, 484, 499, 517, 520, 522, 539, 540, 541	591	611, 613, 620, 621
468, 469, 471, 506, 519, 522, 523, 538, 540, 542	592	612, 616, 620, 621
470, 485, 507, 518, 519, 520, 530, 533, 535, 540	593	614, 617, 618, 621
463, 470, 508, 518, 523, 531, 534, 535, 540	594	615, 617, 618, 621
485, 513, 517, 518, 519, 521, 523, 532, 539, 542	595	614, 616, 618, 620
493, 529, 532, 540	596	604, 611, 612, 618, 622
493, 494, 531, 533, 539, 541	597	605, 611, 618, 619, 623
493, 494, 530, 534, 538, 542	598	605, 612, 618, 619, 623
517, 527, 529, 537, 540	599	613, 614, 615, 620, 622
514, *528*, 536, 537, 538, 539	600	606, 608, 613, 616, 623
515, 524, *528*, 530, 533, 535, 537, 539, 542, 543	601	607, 609, 614, 619, 621, 623
515, 525, 531, 534, 535, 537, 538, 541, 543	602	608, 609, 615, 619, 621, 623

The Fano polytopes in $\mathbb{Z}^3$ with 11 vertices.

Parents		Children
548, 549, 554	603	
556, 566, 577, 580, 596	604	626
554, 558, 560, 563, 564, 568, 570, 581, 582, 597, 598	605	624
557, 567, 574, 575, 581, 582, 589, 600	606	624
550, 555, 558, 559, 567, 568, 569, 573, 582, 589, 601	607	624
555, 557, 560, 561, 564, 565, 573, 581, 600, 602	608	624

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Parents		Children
547, 559, 561, 563, 565, 569, 570, 574, 575, 601, 602	609	624
552, 576, 583, 584, 585	610	628
579, 583, 591, 596, 597	611	628, 630
578, 584, 592, 596, 598	612	628, 631
556, 577, 586, 590, 591, 599, 600	613	626, 630
572, 578, 587, 593, 595, 599, 601	614	629, 631
579, 587, 590, 594, 599, 602	615	629, 630
566, 572, 580, 586, 588, 592, 595, 600	616	626, 631
551, 562, 576, 578, 579, 585, 593, 594	617	628, 629
590, 593, 594, 595, 596, 597, 598	618	629, 630, 631
546, 562, 585, 597, 598, 601, 602	619	627, 628, 629
571, 577, 580, 587, 588, 589, 590, 591, 592, 595, 599	620	626, 630, 631
571, 583, 584, 586, 588, 591, 592, 593, 594, 601, 602	621	628, 630, 631
553, 588, 596, 599	622	625, 626, 630, 631
553, 589, 597, 598, 600, 601, 602	623	624, 627, 630, 631

The Fano polytopes in $\mathbb{Z}^3$ with 12 vertices.

Parents		Children
605, 606, 607, 608, 609, 623	624	
622	625	632
604, 613, 616, 620, 622	626	632
619, 623	627	633
610, 611, 612, 617, 619, 621	628	633
614, 615, 617, 618, 619	629	633
611, 613, 615, 618, 620, 621, 622, 623	630	632, 633
612, 614, 616, 618, 620, 621, 622, 623	631	632, 633

The Fano polytopes in $\mathbb{Z}^3$ with 13 vertices.

Parents		Children
625, 626, 630, 631	632	634
627, 628, 629, 630, 631	633	634

The Fano polytopes in $\mathbb{Z}^3$ with 14 vertices.

Parents		Children
632, 633	634	

4. The Polar Polytopes in $\mathbb{Z}^3$

In the following tables the polar polytopes associated with the Fano polytopes in $\mathbb{Z}^3$ are listed using the reference numbers assigned in Section 2. Next to each polar polytope the Fano index is also given. Simplicial polytopes are indicated by *italics* and regular polytopes are indicated by **bold**.

The Fano polytopes in $\mathbb{Z}^3$ with 4 vertices.

	Polar Polytope	Gorenstein Index
1	$\begin{pmatrix} -1 & -1 & -1 & 3 \\ -1 & -1 & 3 & -1 \\ \frac{-3}{5} & \frac{1}{5} & \frac{9}{5} & \frac{-7}{5} \end{pmatrix}$	$\frac{1}{5}$
2	$\begin{pmatrix} -1 & -1 & -1 & \frac{15}{2} \\ -1 & -1 & \frac{14}{3} & -1 \\ \frac{-2}{7} & \frac{1}{5} & \frac{4}{3} & \frac{-3}{2} \end{pmatrix}$	$\frac{1}{210}$
3	$\begin{pmatrix} -1 & -1 & -1 & \frac{16}{3} \\ -1 & -1 & \frac{15}{4} & -1 \\ \frac{-1}{7} & \frac{2}{5} & \frac{-3}{2} & \frac{5}{3} \end{pmatrix}$	$\frac{1}{420}$
4	$\begin{pmatrix} -1 & -1 & -1 & 3 \\ -1 & -1 & 3 & -1 \\ -1 & 3 & -1 & -1 \end{pmatrix}$	1
5	$\begin{pmatrix} -1 & -1 & -1 & 12 \\ -1 & -1 & \frac{10}{3} & -1 \\ \frac{-2}{5} & \frac{1}{4} & \frac{4}{3} & -3 \end{pmatrix}$	$\frac{1}{60}$
6	$\begin{pmatrix} -1 & -1 & -1 & 10 \\ -1 & -1 & \frac{9}{2} & -1 \\ \frac{-2}{5} & \frac{1}{3} & \frac{-3}{2} & 4 \end{pmatrix}$	$\frac{1}{30}$
7	$\begin{pmatrix} -1 & -1 & -1 & 4 \\ -1 & -1 & 4 & -1 \\ \frac{1}{2} & 3 & -2 & -2 \end{pmatrix}$	$\frac{1}{2}$
8	$\begin{pmatrix} -1 & -1 & -1 & 6 \\ -1 & -1 & 6 & -1 \\ \frac{-2}{3} & \frac{1}{2} & 4 & -3 \end{pmatrix}$	$\frac{1}{6}$

The Fano polytopes in $\mathbb{Z}^3$ with 5 vertices.

	Polar Polytope	Gorenstein Index
9	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 \\ -1 & -1 & 2 & 2 & -1 & -1 \\ \frac{2}{3} & \frac{4}{3} & \frac{-4}{3} & \frac{-2}{3} & \frac{-1}{3} & \frac{1}{3} \end{pmatrix}$	$\frac{1}{3}$
10	$\begin{pmatrix} -1 & -1 & -1 & \frac{8}{3} & 2 & \frac{5}{2} \\ -1 & -1 & 3 & -1 & -1 & \frac{-1}{2} \\ \frac{-3}{5} & \frac{1}{5} & \frac{9}{5} & \frac{-4}{3} & -1 & -1 \end{pmatrix}$	$\frac{1}{30}$
11	$\begin{pmatrix} -1 & -1 & -1 & 4 & \frac{7}{2} & 3 \\ -1 & -1 & \frac{12}{5} & -1 & -1 & 0 \\ \frac{1}{2} & \frac{12}{7} & \frac{-6}{5} & -2 & \frac{-3}{2} & -2 \end{pmatrix}$	$\frac{1}{70}$
12	$\begin{pmatrix} -1 & -1 & -1 & 6 & 4 & 5 \\ -1 & -1 & \frac{12}{5} & -1 & -1 & 0 \\ \frac{-2}{3} & \frac{1}{7} & \frac{8}{5} & -3 & -2 & -2 \end{pmatrix}$	$\frac{1}{105}$
13	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{15}{4} & 0 \\ -1 & -1 & \frac{12}{7} & \frac{-2}{3} & -1 & -1 \\ \frac{-2}{3} & \frac{1}{2} & \frac{8}{7} & \frac{2}{3} & \frac{-9}{4} & 0 \end{pmatrix}$	$\frac{1}{84}$
14	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{14}{3} \\ -1 & -1 & \frac{-3}{4} & \frac{12}{5} & -1 & -1 \\ \frac{-2}{3} & \frac{1}{2} & \frac{-1}{2} & \frac{11}{5} & -1 & \frac{-7}{3} \end{pmatrix}$	$\frac{1}{60}$
15	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{15}{4} & 0 \\ -1 & -1 & \frac{9}{2} & 3 & -1 & 4 \\ \frac{-2}{5} & \frac{1}{7} & \frac{-3}{2} & -1 & \frac{3}{2} & -1 \end{pmatrix}$	$\frac{1}{140}$
16	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{16}{3} & 0 \\ -1 & -1 & \frac{10}{3} & 2 & -1 & 3 \\ \frac{-2}{5} & \frac{1}{7} & \frac{4}{3} & 1 & \frac{-5}{3} & 1 \end{pmatrix}$	$\frac{1}{105}$
17	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{-1}{2} & \frac{16}{3} \\ -1 & -1 & 0 & \frac{14}{5} & -1 & -1 \\ \frac{-2}{5} & \frac{1}{4} & 0 & \frac{6}{5} & \frac{-1}{2} & \frac{-4}{3} \end{pmatrix}$	$\frac{1}{60}$
18	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{15}{2} \\ -1 & -1 & \frac{10}{3} & \frac{-5}{7} & -1 & \frac{1}{2} \\ \frac{1}{4} & 0 & \frac{4}{3} & \frac{-2}{7} & 0 & \frac{-3}{2} \end{pmatrix}$	$\frac{1}{84}$
19	$\begin{pmatrix} -1 & -1 & -1 & -1 & 6 \\ -1 & -1 & \frac{3}{4} & \frac{4}{3} & -1 \\ \frac{-2}{3} & \frac{1}{2} & \frac{1}{2} & \frac{5}{3} & -3 \end{pmatrix}$	$\frac{1}{12}$

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	Polar Polytope	Gorenstein Index
20	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{9}{2} & 4 \\ -1 & -1 & \frac{6}{5} & \frac{2}{3} & -1 & -1 \\ \frac{-2}{3} & \frac{1}{2} & \frac{4}{5} & \frac{4}{3} & \frac{-5}{2} & -2 \end{pmatrix}$	$\frac{1}{30}$
21	$\begin{pmatrix} -1 & -1 & -1 & 6 & 0 & 4 \\ -1 & -1 & \frac{8}{3} & -1 & -1 & 1 \\ \frac{1}{2} & \frac{-3}{5} & \frac{7}{3} & -3 & -1 & -1 \end{pmatrix}$	$\frac{1}{30}$
22	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{10}{3} & 2 \\ -1 & -1 & \frac{9}{2} & 0 & -1 & 3 \\ \frac{-2}{5} & \frac{1}{4} & \frac{-3}{2} & 0 & \frac{4}{3} & 0 \end{pmatrix}$	$\frac{1}{60}$
23	$\begin{pmatrix} -1 & -1 & -1 & -1 & 12 & 0 \\ -1 & -1 & \frac{10}{3} & \frac{-2}{3} & -1 & -1 \\ \frac{-2}{5} & 0 & \frac{4}{3} & \frac{1}{3} & -3 & 0 \end{pmatrix}$	$\frac{1}{15}$
24	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 \\ -1 & -1 & 2 & 2 & -1 & -1 \\ -1 & 1 & -1 & 1 & -1 & 1 \end{pmatrix}$	1
25	$\begin{pmatrix} -1 & -1 & -1 & 3 & \frac{5}{2} & 2 \\ -1 & -1 & \frac{9}{4} & -1 & -1 & 0 \\ -1 & \frac{8}{5} & -1 & -1 & \frac{-1}{2} & -1 \end{pmatrix}$	$\frac{1}{20}$
26	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{10}{3} \\ -1 & -1 & \frac{-2}{3} & \frac{9}{4} & -1 & -1 \\ \frac{1}{2} & 3 & \frac{1}{3} & \frac{-1}{4} & 0 & \frac{-4}{3} \end{pmatrix}$	$\frac{1}{12}$
27	$\begin{pmatrix} -1 & -1 & -1 & 6 & 2 & 4 \\ -1 & -1 & \frac{9}{4} & -1 & -1 & 1 \\ \frac{-2}{3} & \frac{1}{5} & \frac{3}{2} & -3 & -1 & -1 \end{pmatrix}$	$\frac{1}{60}$
28	$\begin{pmatrix} -1 & -1 & -1 & 4 & \frac{5}{2} & 1 \\ -1 & -1 & \frac{8}{3} & -1 & -1 & 2 \\ \frac{1}{2} & \frac{8}{5} & \frac{-4}{3} & -2 & \frac{-1}{2} & -2 \end{pmatrix}$	$\frac{1}{30}$
29	$\begin{pmatrix} -1 & -1 & -1 & 4 & 2 & 3 \\ -1 & -1 & \frac{8}{3} & -1 & -1 & 0 \\ 3 & \frac{4}{5} & \frac{-2}{3} & -2 & -1 & -2 \end{pmatrix}$	$\frac{1}{15}$
30	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 \\ -1 & -1 & 6 & 0 & -1 & 3 \\ \frac{-2}{3} & \frac{1}{3} & 4 & 1 & \frac{-5}{3} & 1 \end{pmatrix}$	$\frac{1}{3}$

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	Polar Polytope	Gorenstein Index
31	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{9}{2} \\ -1 & -1 & 6 & \frac{-3}{5} & -1 & \frac{1}{2} \\ \frac{1}{2} & 0 & 4 & \frac{-2}{5} & 0 & \frac{-3}{2} \end{pmatrix}$	$\frac{1}{10}$
32	$\begin{pmatrix} -1 & -1 & -1 & 2 & 2 \\ -1 & 2 & 2 & -1 & -1 \\ 1 & -2 & 1 & -2 & 1 \end{pmatrix}$	1
33	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 \\ -1 & -1 & \frac{2}{3} & \frac{3}{2} & -1 \\ \frac{1}{2} & 3 & \frac{-1}{3} & \frac{1}{2} & -2 \end{pmatrix}$	$\frac{1}{6}$
34	$\begin{pmatrix} -1 & -1 & -1 & -1 & 10 & 0 \\ -1 & -1 & \frac{9}{2} & \frac{-1}{2} & -1 & -1 \\ \frac{1}{3} & \frac{-1}{3} & \frac{-3}{2} & \frac{-1}{2} & 4 & 0 \end{pmatrix}$	$\frac{1}{6}$
35	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & 0 \\ -1 & -1 & 4 & 0 & -1 & -1 \\ 3 & 1 & -2 & 0 & -2 & 0 \end{pmatrix}$	1
36	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & -1 & 3 & -1 & -1 & 1 \\ -1 & 3 & -1 & -1 & 1 & -1 \end{pmatrix}$	1
37	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 \\ -1 & -1 & 2 & 2 & -1 & -1 \\ -1 & 3 & -1 & 0 & -1 & 0 \end{pmatrix}$	1
38	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & -1 & 6 & -1 & -1 & 4 \\ \frac{-2}{3} & \frac{1}{2} & 4 & \frac{-4}{3} & \frac{-1}{2} & 2 \end{pmatrix}$	$\frac{1}{6}$
39	$\begin{pmatrix} -1 & -1 & -1 & -1 & 6 & 0 \\ -1 & -1 & 6 & 0 & -1 & -1 \\ \frac{-2}{3} & 0 & 4 & 1 & -3 & 0 \end{pmatrix}$	$\frac{1}{3}$
40	$\begin{pmatrix} -1 & -1 & -1 & 3 & \frac{3}{2} & 0 \\ -1 & -1 & \frac{5}{2} & -1 & -1 & 2 \\ -1 & \frac{4}{3} & -1 & -1 & \frac{1}{2} & -1 \end{pmatrix}$	$\frac{1}{6}$
41	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & 3 \\ -1 & -1 & 4 & 3 & -1 & -1 \\ \frac{1}{2} & \frac{5}{3} & -2 & -1 & -2 & -1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
42	$\begin{pmatrix} -1 & -1 & -1 & 4 & 0 & 2 \\ -1 & -1 & \frac{5}{2} & -1 & -1 & 1 \\ 3 & \frac{2}{3} & \frac{-1}{2} & -2 & 0 & -2 \end{pmatrix}$	$\frac{1}{6}$
43	$\begin{pmatrix} -1 & -1 & -1 & -1 & 6 & 0 \\ -1 & -1 & 6 & 0 & -1 & -1 \\ \frac{1}{2} & \frac{-1}{2} & 4 & 0 & -3 & -1 \end{pmatrix}$	$\frac{1}{2}$
44	$\begin{pmatrix} -1 & -1 & -1 & -1 & 3 & 2 \\ -1 & -1 & 3 & 2 & -1 & -1 \\ -1 & \frac{3}{2} & -1 & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
45	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & -1 & 4 & -1 & -1 & 2 \\ \frac{1}{2} & 3 & -2 & \frac{-1}{2} & 1 & -2 \end{pmatrix}$	$\frac{1}{2}$
46	$\begin{pmatrix} -1 & -1 & -1 & 0 & 2 & 2 \\ -1 & -1 & 4 & -1 & -1 & 1 \\ \frac{1}{2} & 3 & -2 & 0 & 0 & -2 \end{pmatrix}$	$\frac{1}{2}$

The Fano polytopes in $\mathbb{Z}^3$ with 6 vertices.

	Polar Polytope	Gorenstein Index
47	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 1 \\ \frac{1}{2} & \frac{3}{2} & \frac{-1}{2} & \frac{1}{2} & \frac{-1}{2} & \frac{1}{2} & \frac{-3}{2} & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
48	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{8}{3} & \frac{-2}{3} & 2 & \frac{5}{2} \\ -1 & -1 & 3 & 0 & -1 & -1 & -1 & \frac{-1}{2} \\ \frac{1}{5} & \frac{-1}{2} & \frac{9}{5} & 0 & \frac{-4}{3} & \frac{-2}{3} & -1 & -1 \end{pmatrix}$	$\frac{1}{30}$
49	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{8}{3} & 2 & \frac{5}{2} & 0 \\ -1 & -1 & \frac{5}{2} & \frac{8}{3} & -1 & -1 & \frac{-1}{2} & 2 \\ \frac{-3}{5} & \frac{1}{5} & \frac{3}{2} & \frac{5}{3} & \frac{-4}{3} & -1 & -1 & 1 \end{pmatrix}$	$\frac{1}{30}$
50	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 2 & \frac{9}{4} & 1 \\ -1 & -1 & \frac{-1}{2} & \frac{10}{7} & -1 & -1 & -1 & 0 \\ -1 & \frac{3}{2} & -1 & \frac{2}{7} & -1 & 0 & \frac{-1}{4} & 0 \end{pmatrix}$	$\frac{1}{28}$

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	Polar Polytope	Gorenstein Index
51	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{3}{2} & \frac{8}{5} & \frac{-2}{3} & 1 \\ -1 & -1 & \frac{5}{2} & 2 & -1 & -1 & \frac{7}{3} & 0 \\ \frac{4}{3} & \frac{-1}{4} & -1 & -1 & \frac{1}{2} & \frac{2}{5} & -1 & 0 \end{pmatrix}$	$\frac{1}{60}$
52	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & 0 & \frac{7}{2} & 3 \\ -1 & -1 & 0 & \frac{12}{5} & -1 & -1 & -1 & 0 \\ 1 & \frac{12}{7} & 0 & \frac{-6}{5} & -2 & 0 & \frac{-3}{2} & -2 \end{pmatrix}$	$\frac{1}{70}$
53	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & \frac{7}{2} & 0 & 3 \\ -1 & -1 & \frac{12}{5} & \frac{-3}{4} & -1 & -1 & -1 & 0 \\ \frac{1}{2} & \frac{5}{3} & \frac{-6}{5} & \frac{3}{2} & -2 & \frac{-3}{2} & 1 & -2 \end{pmatrix}$	$\frac{1}{60}$
54	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 3 & \frac{10}{3} & 2 \\ -1 & -1 & \frac{-2}{3} & \frac{12}{7} & -1 & -1 & -1 & 0 \\ \frac{1}{2} & \frac{5}{3} & \frac{1}{3} & \frac{-1}{7} & 0 & -1 & \frac{-4}{3} & -1 \end{pmatrix}$	$\frac{1}{42}$
55	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{-3}{4} & 2 & \frac{9}{4} & 1 \\ -1 & -1 & \frac{5}{2} & \frac{-1}{3} & -1 & 1 & \frac{3}{4} & 0 \\ \frac{2}{3} & 1 & \frac{-1}{2} & \frac{7}{3} & \frac{1}{2} & -2 & -2 & -1 \end{pmatrix}$	$\frac{1}{12}$
56	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{15}{4} & 0 \\ -1 & -1 & 0 & \frac{12}{7} & \frac{-2}{3} & -1 & -1 & -1 \\ \frac{1}{2} & \frac{-1}{2} & 0 & \frac{8}{7} & \frac{2}{3} & -1 & \frac{-9}{4} & 0 \end{pmatrix}$	$\frac{1}{84}$
57	$\begin{pmatrix} -1 & -1 & -1 & -1 & 6 & 4 & \frac{-2}{3} & 5 \\ -1 & -1 & \frac{12}{5} & \frac{-3}{4} & -1 & -1 & -1 & 0 \\ \frac{-2}{3} & 0 & \frac{8}{5} & \frac{1}{4} & -3 & -2 & 0 & -2 \end{pmatrix}$	$\frac{1}{60}$
58	$\begin{pmatrix} -1 & -1 & -1 & -1 & 6 & 4 & 5 & 0 \\ -1 & -1 & \frac{9}{4} & 1 & -1 & -1 & 0 & 2 \\ \frac{-2}{3} & \frac{1}{7} & \frac{3}{2} & 1 & -3 & -2 & -2 & 1 \end{pmatrix}$	$\frac{1}{84}$
59	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{-1}{2} & 4 & \frac{9}{2} & 3 \\ -1 & -1 & \frac{9}{4} & \frac{-3}{5} & -1 & 1 & \frac{1}{2} & 0 \\ \frac{1}{5} & 0 & \frac{3}{2} & \frac{-2}{5} & 0 & -1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{20}$
60	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{10}{3} & 2 & 0 & 3 \\ -1 & -1 & \frac{9}{2} & 3 & -1 & -1 & 4 & 0 \\ \frac{-2}{5} & \frac{1}{7} & \frac{-3}{2} & -1 & \frac{4}{3} & 1 & -1 & 1 \end{pmatrix}$	$\frac{1}{210}$
61	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{16}{3} & \frac{-1}{2} & 0 \\ -1 & -1 & \frac{10}{3} & 2 & \frac{-4}{5} & -1 & -1 & 3 \\ \frac{-2}{5} & 0 & \frac{4}{3} & 1 & \frac{1}{5} & \frac{-5}{3} & 0 & 1 \end{pmatrix}$	$\frac{1}{30}$

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	Polar Polytope	Gorenstein Index
62	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 1 \\ -1 & 1 & -1 & 1 & -1 & 1 & -1 & 1 \end{pmatrix}$	1
63	$\begin{pmatrix} -1 & -1 & -1 & -1 & 3 & \frac{5}{2} & 2 & 2 \\ -1 & -1 & 2 & \frac{9}{4} & -1 & -1 & -1 & 0 \\ \frac{3}{2} & \frac{2}{5} & 0 & \frac{-1}{4} & -1 & -1 & 0 & -1 \end{pmatrix}$	$\frac{1}{20}$
64	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & 3 & 3 & 2 \\ -1 & -1 & \frac{4}{3} & \frac{3}{4} & -1 & -1 & 0 & 0 \\ \frac{1}{2} & \frac{5}{3} & \frac{-2}{3} & \frac{1}{2} & -2 & -1 & -2 & -1 \end{pmatrix}$	$\frac{1}{12}$
65	$\begin{pmatrix} -1 & -1 & -1 & 4 & 2 & 3 & 3 & 0 \\ -1 & -1 & \frac{9}{4} & -1 & -1 & -1 & 0 & 2 \\ \frac{5}{3} & \frac{4}{5} & \frac{-1}{2} & -2 & -1 & -1 & -2 & -1 \end{pmatrix}$	$\frac{1}{60}$
66	$\begin{pmatrix} -1 & -1 & -1 & 4 & \frac{-2}{3} & \frac{1}{2} & \frac{-2}{3} \\ \frac{2}{3} & 0 & 1 & -1 & -1 & -1 & \frac{4}{3} \\ \frac{-1}{3} & 0 & 0 & -2 & \frac{1}{3} & \frac{3}{2} & \frac{1}{3} \end{pmatrix}$	$\frac{1}{6}$
67	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{3}{4} & 0 & \frac{4}{3} \\ -1 & -1 & 6 & 0 & -1 & -1 & -1 \\ \frac{-2}{3} & 0 & 4 & 1 & \frac{-5}{4} & 0 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{12}$
68	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & 2 & 0 \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & -1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 0 & 2 \end{pmatrix}$	1
69	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & 2 & 1 \\ -1 & -1 & \frac{8}{5} & \frac{-1}{2} & -1 & -1 & -1 & 0 \\ -1 & 3 & -1 & \frac{5}{2} & -1 & 2 & \frac{-2}{3} & -1 \end{pmatrix}$	$\frac{1}{30}$
70	$\begin{pmatrix} -1 & -1 & -1 & -1 & 3 & \frac{5}{2} & 0 & 2 \\ -1 & -1 & \frac{9}{4} & \frac{-2}{3} & -1 & -1 & -1 & 0 \\ -1 & \frac{3}{2} & -1 & \frac{4}{3} & -1 & \frac{-1}{2} & 1 & -1 \end{pmatrix}$	$\frac{1}{12}$
71	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{3}{2} & \frac{5}{2} & 0 & 2 \\ -1 & -1 & \frac{5}{2} & \frac{3}{2} & -1 & -1 & 2 & 0 \\ \frac{4}{3} & \frac{2}{3} & -1 & -1 & \frac{1}{2} & \frac{-1}{2} & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
72	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{6}{5} & 0 & \frac{1}{2} & 1 \\ -1 & -1 & \frac{5}{2} & 0 & -1 & 2 & \frac{3}{2} & 0 \\ \frac{4}{3} & \frac{-1}{2} & -1 & -1 & \frac{3}{5} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{30}$

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	Polar Polytope	Gorenstein Index
73	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{3}{4} & 1 & \frac{-1}{3} \\ -1 & -1 & 0 & -1 & -1 & -1 & 2 & \frac{10}{3} \\ \frac{1}{2} & \frac{2}{3} & 0 & \frac{-1}{2} & 1 & \frac{5}{4} & -2 & -2 \end{pmatrix}$	$\frac{1}{12}$
74	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{5}{3} & 2 & 1 & 2 \\ -1 & -1 & \frac{8}{3} & -1 & -1 & 1 & 2 & 0 \\ \frac{1}{2} & \frac{8}{5} & \frac{-4}{3} & 0 & 0 & -2 & -2 & -1 \end{pmatrix}$	$\frac{1}{30}$
75	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{-2}{3} & 2 & 1 & 2 \\ -1 & -1 & 0 & \frac{10}{3} & -1 & -1 & -1 & \frac{-2}{3} \\ \frac{1}{2} & 3 & 0 & \frac{-4}{3} & \frac{1}{3} & 0 & 0 & \frac{-1}{3} \end{pmatrix}$	$\frac{1}{6}$
76	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-2}{5} & 2 & \frac{1}{3} & 2 \\ 4 & 2 & 3 & -1 & -1 & -1 & -1 & 1 \\ -2 & -1 & -1 & 0 & \frac{1}{5} & 0 & \frac{5}{3} & -2 \end{pmatrix}$	$\frac{1}{15}$
77	$\begin{pmatrix} -1 & -1 & -1 & 0 & 2 & \frac{3}{4} & 2 & \frac{-1}{3} \\ -1 & -1 & 0 & -1 & -1 & -1 & 1 & \frac{10}{3} \\ \frac{1}{2} & \frac{2}{3} & 0 & 0 & 0 & \frac{5}{4} & -2 & -2 \end{pmatrix}$	$\frac{1}{12}$
78	$\begin{pmatrix} -1 & -1 & -1 & 4 & 3 & 0 & 1 & 2 \\ -1 & -1 & \frac{8}{3} & -1 & -1 & -1 & 2 & 0 \\ \frac{1}{2} & \frac{8}{5} & \frac{-4}{3} & -2 & -1 & 1 & -2 & -1 \end{pmatrix}$	$\frac{1}{30}$
79	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & 3 & 2 \\ -1 & -1 & \frac{2}{3} & \frac{6}{5} & -1 & -1 & 0 \\ \frac{1}{2} & \frac{5}{3} & \frac{-1}{3} & \frac{1}{5} & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{30}$
80	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 2 & \frac{5}{2} & 1 \\ -1 & -1 & \frac{5}{2} & \frac{-4}{5} & -1 & 1 & \frac{1}{2} & 0 \\ 3 & 1 & \frac{-1}{2} & \frac{3}{5} & 1 & -2 & -2 & -1 \end{pmatrix}$	$\frac{1}{10}$
81	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 \\ -1 & -1 & 2 & -1 & -1 & -1 & 2 & 0 \\ \frac{-2}{3} & \frac{1}{3} & \frac{4}{3} & \frac{-4}{3} & \frac{-1}{2} & 0 & \frac{2}{3} & 0 \end{pmatrix}$	$\frac{1}{6}$
82	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & 1 \\ -1 & -1 & \frac{9}{2} & 4 & -1 & -1 & -1 & \frac{-1}{2} \\ \frac{-2}{3} & \frac{1}{2} & 3 & 3 & \frac{-4}{3} & \frac{-1}{3} & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
83	$\begin{pmatrix} -1 & -1 & -1 & \frac{3}{4} & 1 & 1 & 1 \\ -1 & -1 & 6 & -1 & -1 & -1 & 0 \\ \frac{-2}{3} & \frac{1}{2} & 4 & \frac{-5}{4} & \frac{-1}{2} & -1 & 0 \end{pmatrix}$	$\frac{1}{12}$

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	Polar Polytope	Gorenstein Index
84	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{-3}{5} & 1 & 1 & \frac{1}{2} \\ -1 & -1 & 0 & -1 & -1 & -1 & 4 & \frac{9}{2} \\ \frac{1}{2} & 0 & 1 & \frac{-4}{3} & \frac{-4}{5} & \frac{-1}{2} & 2 & \frac{5}{2} \end{pmatrix}$	$\frac{1}{30}$
85	$\begin{pmatrix} -1 & -1 & -1 & -1 & 6 & 0 & 4 \\ -1 & -1 & \frac{8}{3} & \frac{-2}{3} & -1 & -1 & 1 \\ \frac{1}{2} & \frac{-1}{2} & \frac{7}{3} & \frac{-1}{3} & -3 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
86	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 1 & 1 & 2 \\ -1 & -1 & 6 & 2 & -1 & -1 & 4 & 0 \\ \frac{-2}{3} & \frac{1}{5} & 4 & 2 & \frac{-5}{3} & -1 & 2 & -1 \end{pmatrix}$	$\frac{1}{15}$
87	$\begin{pmatrix} -1 & -1 & -1 & 2 & \frac{-3}{5} & 2 & \frac{1}{2} \\ -1 & -1 & 0 & -1 & -1 & 3 & \frac{9}{2} \\ \frac{1}{3} & 0 & 1 & \frac{-5}{3} & \frac{-4}{5} & 1 & \frac{5}{2} \end{pmatrix}$	$\frac{1}{30}$
88	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{2}{5} & 1 & \frac{-1}{4} & 1 \\ 3 & \frac{5}{2} & 2 & -1 & -1 & -1 & -1 & 1 \\ -1 & -1 & 0 & -1 & -1 & 1 & \frac{9}{4} & -1 \end{pmatrix}$	$\frac{1}{20}$
89	$\begin{pmatrix} -1 & -1 & -1 & -1 & 3 & \frac{3}{2} & 2 & 0 \\ -1 & -1 & 2 & \frac{5}{2} & -1 & -1 & -1 & 2 \\ \frac{3}{2} & \frac{2}{3} & 0 & \frac{-1}{2} & -1 & -1 & 0 & -1 \end{pmatrix}$	$\frac{1}{6}$
90	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 & \frac{5}{2} & 1 \\ -1 & -1 & \frac{1}{2} & \frac{6}{5} & -1 & -1 & -1 & 0 \\ -1 & \frac{3}{2} & -1 & \frac{2}{5} & -1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{10}$
91	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & 2 & 3 & 0 \\ -1 & -1 & \frac{5}{2} & 1 & -1 & -1 & 0 & 2 \\ 3 & \frac{4}{5} & \frac{-1}{2} & 0 & -2 & -1 & -2 & -1 \end{pmatrix}$	$\frac{1}{10}$
92	$\begin{pmatrix} -1 & -1 & -1 & 2 & \frac{1}{2} \\ -1 & 2 & 2 & -1 & -1 \\ 1 & -2 & 1 & -2 & 1 \end{pmatrix}$	$\frac{1}{2}$
93	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 & \frac{3}{2} & 1 \\ -1 & -1 & 2 & 2 & -1 & -1 & -1 & 0 \\ -1 & \frac{4}{3} & -1 & \frac{-2}{3} & -1 & 0 & \frac{1}{2} & 0 \end{pmatrix}$	$\frac{1}{6}$
94	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 3 & 2 & 2 \\ -1 & -1 & 3 & 2 & 2 & -1 & -1 & -1 \\ \frac{3}{2} & \frac{1}{2} & -1 & -1 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
95	$\begin{pmatrix} -1 & -1 & -1 & -1 & 3 & 2 & 2 & 1 \\ -1 & -1 & \frac{3}{2} & \frac{2}{3} & -1 & -1 & 0 & 0 \\ -1 & \frac{3}{2} & -1 & \frac{2}{3} & -1 & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
96	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 \\ -1 & -1 & 4 & 1 & -1 & -1 & \frac{5}{2} & 0 \\ \frac{1}{2} & \frac{7}{3} & -2 & 1 & \frac{-1}{2} & \frac{-1}{3} & -2 & -1 \end{pmatrix}$	$\frac{1}{6}$
97	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{-2}{5} & 1 & \frac{1}{3} & 1 \\ 4 & 2 & 3 & -1 & -1 & -1 & -1 & 2 \\ -2 & -1 & -1 & \frac{-1}{2} & \frac{1}{5} & 1 & \frac{5}{3} & -2 \end{pmatrix}$	$\frac{1}{30}$
98	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & 2 & \frac{-1}{2} & 3 \\ -1 & -1 & \frac{8}{3} & \frac{-2}{3} & -1 & -1 & -1 & 0 \\ 3 & 1 & \frac{-2}{3} & \frac{2}{3} & -2 & -1 & \frac{1}{2} & -2 \end{pmatrix}$	$\frac{1}{6}$
99	$\begin{pmatrix} -1 & -1 & -1 & 0 & 2 & 2 & \frac{3}{2} \\ -1 & -1 & \frac{2}{3} & -1 & -1 & 1 & \frac{3}{2} \\ \frac{1}{2} & 3 & \frac{-1}{3} & 0 & 0 & -2 & -2 \end{pmatrix}$	$\frac{1}{6}$
100	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{3}{2} & 1 & \frac{1}{2} \\ -1 & -1 & 4 & -1 & -1 & -1 & \frac{-1}{2} \\ \frac{1}{2} & 3 & -2 & 0 & \frac{1}{2} & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
101	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-2}{3} & 2 & \frac{1}{2} & 2 \\ 4 & 0 & 2 & -1 & -1 & -1 & -1 & 1 \\ -2 & 0 & 0 & 0 & \frac{1}{3} & 0 & \frac{3}{2} & -2 \end{pmatrix}$	$\frac{1}{6}$
102	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 1 & 2 \\ -1 & -1 & 4 & 0 & 3 & -1 & 2 & 0 \\ \frac{5}{3} & \frac{2}{3} & -2 & 0 & -1 & \frac{-1}{3} & -2 & -1 \end{pmatrix}$	$\frac{1}{3}$
103	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{9}{2} & \frac{-1}{2} \\ -1 & -1 & 6 & 0 & \frac{-2}{3} & -1 & \frac{1}{2} & \frac{-1}{2} \\ \frac{1}{2} & 0 & 4 & 0 & \frac{-1}{3} & 0 & \frac{-3}{2} & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{6}$
104	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & \frac{-1}{2} & 2 \\ -1 & -1 & 6 & 0 & -1 & -1 & 3 \\ \frac{-2}{3} & 0 & 4 & 1 & \frac{-5}{3} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
105	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & 2 & 0 \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & -1 \\ -2 & 0 & 1 & 1 & -2 & 0 & 1 & 1 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
106	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 4 & -1 & -1 & 2 & 0 \\ \frac{1}{2} & \frac{4}{3} & -2 & \frac{-1}{2} & \frac{2}{3} & -2 & 0 \end{pmatrix}$	$\frac{1}{6}$
107	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 2 & 2 \\ -1 & -1 & 6 & 0 & 0 & -1 & -1 & 3 \\ \frac{-1}{2} & \frac{1}{3} & 4 & 0 & 1 & -1 & \frac{-5}{3} & 1 \end{pmatrix}$	$\frac{1}{6}$
108	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & \frac{5}{2} & -1 & -1 & 1 & 2 & 0 \\ -1 & \frac{4}{3} & -1 & -1 & \frac{2}{3} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
109	$\begin{pmatrix} -1 & -1 & -1 & 3 & 2 & 0 & 0 & 1 \\ -1 & -1 & \frac{5}{2} & -1 & -1 & -1 & 2 & 0 \\ -1 & \frac{4}{3} & -1 & -1 & 0 & 1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
110	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 1 \\ \frac{1}{2} & 3 & \frac{-1}{2} & 1 & \frac{-1}{2} & 1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{2}$
111	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 4 & 3 & -1 & -1 & 2 & 1 \\ \frac{1}{2} & \frac{5}{3} & -2 & -1 & \frac{-1}{2} & \frac{1}{3} & -2 & -1 \end{pmatrix}$	$\frac{1}{6}$
112	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 \\ -1 & -1 & \frac{5}{2} & -1 & -1 & -1 & 0 & \frac{3}{2} \\ 3 & \frac{2}{3} & \frac{-1}{2} & \frac{-1}{2} & 0 & 1 & -1 & \frac{-3}{2} \end{pmatrix}$	$\frac{1}{6}$
113	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ -1 & -1 & 6 & 0 & -1 & -1 & -1 & 4 \\ \frac{1}{2} & \frac{-1}{2} & 4 & 0 & \frac{-4}{3} & -1 & \frac{-1}{2} & 2 \end{pmatrix}$	$\frac{1}{6}$
114	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 6 & 0 & -1 & -1 & -1 & 4 \\ \frac{-2}{3} & 0 & 4 & 1 & \frac{-4}{3} & \frac{-1}{2} & 0 & 2 \end{pmatrix}$	$\frac{1}{6}$
115	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & \frac{-1}{2} & 1 \\ 3 & \frac{3}{2} & 0 & -1 & -1 & -1 & -1 & 1 \\ -1 & -1 & 2 & -1 & -1 & 1 & \frac{5}{2} & -1 \end{pmatrix}$	$\frac{1}{6}$
116	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 & 1 \\ -1 & -1 & \frac{4}{3} & \frac{1}{2} & -1 & -1 & 0 \\ -1 & 3 & -1 & \frac{3}{2} & -1 & 0 & -1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
117	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 2 \\ -1 & -1 & 2 & \frac{1}{2} & 2 & -1 & -1 \\ 3 & 2 & -1 & -1 & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
118	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 4 & -1 & -1 & -1 & 3 & 0 \\ \frac{1}{2} & 3 & -2 & \frac{-1}{2} & 2 & 0 & -2 & -1 \end{pmatrix}$	$\frac{1}{2}$
119	$\begin{pmatrix} -1 & -1 & -1 & \frac{2}{3} & 1 & 1 & 1 \\ -1 & -1 & 4 & -1 & -1 & -1 & 0 \\ \frac{1}{2} & 3 & -2 & \frac{-1}{3} & 1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$
120	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{4}{3} & 0 & 0 \\ -1 & -1 & 4 & 0 & -1 & -1 & -1 & 3 \\ 3 & 1 & -2 & 0 & 0 & \frac{-2}{3} & 2 & -2 \end{pmatrix}$	$\frac{1}{3}$
121	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 2 & 2 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 1 & 2 \\ \frac{1}{2} & 3 & 0 & 0 & 0 & 0 & -2 & -2 \end{pmatrix}$	$\frac{1}{2}$
122	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 6 & 0 & 0 \\ -1 & -1 & 6 & 0 & 0 & -1 & -1 & -1 \\ \frac{-1}{2} & 0 & 4 & 0 & 1 & -3 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
123	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 2 & 2 & -1 & -1 & 0 & 0 \\ -1 & 1 & -1 & 1 & -1 & 1 & -1 & 1 \end{pmatrix}$	1
124	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 \\ -1 & 3 & -1 & 1 & -1 & 1 & -1 \end{pmatrix}$	1
125	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 1 \\ -1 & -1 & 2 & 2 & 0 & -1 & 0 \\ -1 & 2 & -1 & 0 & 2 & -1 & 0 \end{pmatrix}$	1
126	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 2 & 0 \\ 2 & \frac{2}{3} & 2 & \frac{-1}{2} & -1 & -1 & -1 & -1 \\ -1 & -1 & 0 & \frac{5}{2} & -1 & -1 & 0 & 2 \end{pmatrix}$	$\frac{1}{6}$
127	$\begin{pmatrix} -1 & -1 & -1 & -1 & 3 & 2 & 2 & 0 \\ -1 & -1 & 0 & \frac{4}{3} & -1 & -1 & 0 & 1 \\ -1 & \frac{3}{2} & -1 & \frac{1}{3} & -1 & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
128	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 \\ -1 & -1 & 4 & -1 & -1 & -1 & 2 & 0 \\ \frac{1}{2} & 3 & -2 & 0 & 1 & 0 & -2 & -1 \end{pmatrix}$	$\frac{1}{2}$
129	$\begin{pmatrix} -1 & -1 & -1 & -1 & 4 & 0 & 2 \\ -1 & -1 & \frac{5}{2} & \frac{-1}{2} & -1 & -1 & 1 \\ 3 & 1 & \frac{-1}{2} & \frac{1}{2} & -2 & 0 & -2 \end{pmatrix}$	$\frac{1}{2}$
130	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 1 & 1 & 2 \\ -1 & -1 & 4 & 0 & -1 & -1 & 2 & 0 \\ 3 & \frac{2}{3} & -2 & 0 & 0 & 0 & -2 & -1 \end{pmatrix}$	$\frac{1}{3}$
131	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 2 & 2 & -1 & -1 & 0 & 0 \\ -1 & 3 & -1 & 0 & -1 & 1 & -1 & 0 \end{pmatrix}$	1
132	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & \frac{1}{2} \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} \\ -1 & 3 & -1 & 2 & -1 & 1 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
133	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 \\ -1 & -1 & 3 & 0 & -1 & -1 & \frac{3}{2} & 0 \\ -1 & \frac{5}{2} & -1 & 2 & -1 & \frac{-1}{2} & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
134	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ -1 & -1 & 4 & 0 & -1 & -1 & -1 & 2 \\ 3 & 1 & -2 & 0 & \frac{-1}{2} & 0 & 1 & -2 \end{pmatrix}$	$\frac{1}{2}$
135	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 2 & 2 \\ -1 & -1 & 4 & 0 & -1 & -1 & 1 \\ 3 & 1 & -2 & 0 & 0 & 0 & -2 \end{pmatrix}$	1
136	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 3 & -1 & -1 & -1 & 2 & 0 \\ -1 & 3 & -1 & -1 & 2 & 0 & -1 & -1 \end{pmatrix}$	1
137	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 & 0 & 1 \\ -1 & -1 & \frac{3}{2} & 0 & -1 & -1 & 1 & 0 \\ -1 & 3 & -1 & 2 & -1 & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
138	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & 0 \\ -1 & -1 & 2 & 2 & -1 & -1 & 1 \\ -1 & 1 & -1 & 1 & -1 & 1 & 1 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
139	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 2 & -1 & -1 & -1 & 1 & 2 \\ -1 & 2 & -1 & -1 & 1 & 2 & -1 & -1 \end{pmatrix}$	1
140	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 3 & 2 & -1 & -1 & 1 & 0 \\ -1 & \frac{3}{2} & -1 & 0 & -1 & \frac{1}{2} & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
141	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 2 \\ \frac{1}{2} & 3 & 0 & 0 & \frac{-1}{2} & 1 & -2 \end{pmatrix}$	$\frac{1}{2}$

The Fano polytopes in $\mathbb{Z}^3$ with 7 vertices.

	Polar Polytope	Gorenstein Index
142	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{2}{7} & 0 & \frac{-1}{4} & 1 & 0 \\ -1 & -1 & 0 & -1 & -1 & -1 & 2 & \frac{9}{4} & 0 & 1 \\ -1 & \frac{-1}{2} & -1 & -1 & 0 & \frac{10}{7} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{28}$
143	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{-1}{4} & 1 & \frac{1}{2} & \frac{2}{5} & 1 & 0 \\ -1 & -1 & \frac{-2}{3} & -1 & -1 & -1 & \frac{3}{2} & \frac{8}{5} & 0 & 1 \\ \frac{5}{2} & 2 & \frac{7}{3} & -1 & -1 & \frac{-1}{2} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{60}$
144	$\begin{pmatrix} -1 & -1 & -1 & 2 & \frac{2}{3} & 0 & \frac{-1}{2} & 2 & 1 & \frac{-2}{3} \\ \frac{8}{5} & \frac{3}{2} & 1 & -1 & -1 & -1 & -1 & -1 & 0 & \frac{-2}{3} \\ -1 & -1 & 0 & -1 & -1 & 2 & \frac{5}{2} & \frac{-2}{3} & -1 & \frac{7}{3} \end{pmatrix}$	$\frac{1}{30}$
145	$\begin{pmatrix} -1 & -1 & -1 & 3 & \frac{1}{2} & \frac{5}{2} & 0 & \frac{-2}{3} & 2 & \frac{-3}{4} \\ \frac{9}{4} & 2 & 1 & -1 & -1 & -1 & -1 & -1 & 0 & \frac{-3}{4} \\ -1 & -1 & 0 & -1 & -1 & \frac{-1}{2} & 1 & \frac{4}{3} & -1 & \frac{5}{4} \end{pmatrix}$	$\frac{1}{12}$
146	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{8}{3} & \frac{-2}{3} & 2 & \frac{5}{2} & 0 \\ -1 & -1 & 0 & \frac{5}{2} & \frac{8}{3} & -1 & -1 & -1 & \frac{-1}{2} & 2 \\ \frac{1}{5} & \frac{-1}{2} & 0 & \frac{3}{2} & \frac{5}{3} & \frac{-4}{3} & \frac{-2}{3} & -1 & -1 & 1 \end{pmatrix}$	$\frac{1}{30}$
147	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{3}{7} & 0 & \frac{-1}{3} & 1 & 0 \\ -1 & -1 & 0 & -1 & -1 & -1 & 3 & \frac{10}{3} & 0 & 2 \\ \frac{1}{2} & \frac{2}{3} & 0 & \frac{-1}{2} & 0 & \frac{8}{7} & -2 & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{42}$

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	Polar Polytope	Gorenstein Index
148	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{4}{3} & \frac{5}{4} & \frac{-1}{2} & 1 \\ -1 & -1 & 4 & 0 & 3 & -1 & -1 & -1 & \frac{7}{2} & 0 \\ 1 & \frac{11}{5} & -2 & 0 & -1 & 0 & \frac{-2}{3} & \frac{-1}{2} & -2 & -1 \end{pmatrix}$	$\frac{1}{60}$
149	$\begin{pmatrix} -1 & -1 & -1 & 2 & \frac{-1}{3} & 1 & 1 & \frac{3}{4} & 0 & 2 \\ -1 & -1 & \frac{-3}{4} & -1 & -1 & -1 & 2 & \frac{9}{4} & 1 & 0 \\ \frac{2}{3} & 1 & \frac{1}{2} & 0 & \frac{7}{3} & 0 & -2 & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{12}$
150	$\begin{pmatrix} -1 & -1 & -1 & 2 & \frac{-3}{5} & 1 & 1 & \frac{1}{2} & 2 & 0 \\ -1 & -1 & \frac{-1}{2} & -1 & -1 & -1 & 4 & \frac{9}{2} & 0 & 3 \\ \frac{1}{5} & 0 & \frac{1}{2} & \frac{-5}{3} & \frac{-4}{5} & -1 & 2 & \frac{5}{2} & -1 & 2 \end{pmatrix}$	$\frac{1}{30}$
151	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{2}{5} & 0 & \frac{-1}{4} & 1 & 0 & 1 \\ 3 & \frac{5}{2} & 2 & -1 & -1 & -1 & -1 & -1 & 2 & 0 \\ -1 & -1 & 0 & -1 & -1 & 2 & \frac{9}{4} & 0 & -1 & -1 \end{pmatrix}$	$\frac{1}{20}$
152	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 0 & 2 & 1 & \frac{-2}{3} \\ -1 & -1 & \frac{3}{2} & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 & \frac{4}{3} \\ -1 & 3 & -1 & \frac{5}{2} & 0 & -1 & 2 & \frac{-2}{3} & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
153	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 2 & 0 & 1 \\ -1 & -1 & 2 & \frac{3}{2} & 2 & -1 & -1 & -1 & 1 & 0 \\ \frac{4}{3} & \frac{2}{3} & -1 & -1 & \frac{-2}{3} & 0 & \frac{1}{2} & \frac{-1}{3} & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
154	$\begin{pmatrix} -1 & -1 & -1 & 2 & \frac{1}{2} & 2 & \frac{3}{2} & \frac{-3}{5} & 1 \\ 2 & 2 & 1 & -1 & -1 & -1 & -1 & -1 & 0 \\ -1 & \frac{-2}{3} & 0 & -1 & -1 & 0 & \frac{1}{2} & \frac{6}{5} & 0 \end{pmatrix}$	$\frac{1}{30}$
155	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 3 & 2 & \frac{5}{2} & 0 & 2 \\ -1 & -1 & 2 & \frac{9}{4} & \frac{-2}{3} & -1 & -1 & -1 & -1 & 0 \\ \frac{3}{2} & \frac{1}{2} & -1 & -1 & \frac{4}{3} & -1 & -1 & \frac{-1}{2} & 1 & -1 \end{pmatrix}$	$\frac{1}{12}$
156	$\begin{pmatrix} -1 & -1 & -1 & 3 & \frac{1}{2} & 2 & \frac{-2}{3} & 2 & \frac{-2}{3} & 1 \\ \frac{2}{3} & 0 & 1 & -1 & -1 & -1 & -1 & 0 & \frac{4}{3} & 0 \\ \frac{2}{3} & 1 & 0 & -1 & -1 & 0 & \frac{4}{3} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
157	$\begin{pmatrix} -1 & -1 & -1 & 3 & 2 & 2 & 0 & 2 & 0 & 0 \\ \frac{4}{3} & \frac{-2}{3} & \frac{1}{3} & -1 & -1 & -1 & -1 & 0 & 0 & 1 \\ \frac{1}{3} & \frac{4}{3} & \frac{-2}{3} & -1 & -1 & 0 & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{3}$
158	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & \frac{3}{4} & 1 & 1 & \frac{-1}{3} & 1 \\ -1 & -1 & 0 & -1 & -1 & -1 & -1 & 2 & \frac{10}{3} & 0 \\ \frac{1}{2} & \frac{2}{3} & 0 & 0 & 1 & \frac{5}{4} & 0 & -2 & -2 & -1 \end{pmatrix}$	$\frac{1}{12}$

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	Polar Polytope	Gorenstein Index
159	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{4}{3} & 0 & \frac{3}{4} & 0 \\ -1 & -1 & 0 & \frac{4}{3} & 0 & -1 & -1 & -1 & \frac{3}{4} & 0 \\ 3 & 1 & 0 & \frac{-2}{3} & 2 & 0 & \frac{-2}{3} & 2 & \frac{-5}{4} & 1 \end{pmatrix}$	$\frac{1}{12}$
160	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{-2}{3} & 2 & 1 & 1 & 2 \\ -1 & -1 & 0 & 2 & \frac{-1}{3} & -1 & 1 & 2 & 0 & \frac{2}{3} \\ \frac{1}{2} & 1 & 0 & 0 & \frac{7}{3} & \frac{1}{3} & -2 & -2 & -1 & \frac{-5}{3} \end{pmatrix}$	$\frac{1}{6}$
161	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 1 & 0 & 2 & \frac{4}{3} \\ -1 & -1 & \frac{2}{3} & 0 & -1 & -1 & 1 & 0 & \frac{4}{3} \\ 3 & \frac{2}{3} & \frac{-1}{3} & 0 & 0 & 0 & -1 & -1 & \frac{-5}{3} \end{pmatrix}$	$\frac{1}{3}$
162	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 1 & 0 & 2 \\ -1 & -1 & 4 & 2 & 3 & -1 & -1 & 3 & 0 \\ \frac{5}{3} & \frac{4}{5} & -2 & -1 & -1 & \frac{-1}{3} & 0 & -2 & -1 \end{pmatrix}$	$\frac{1}{15}$
163	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & -1 & -1 & 2 & 0 \\ \frac{-1}{2} & \frac{1}{3} & 0 & \frac{4}{3} & \frac{-4}{3} & -1 & \frac{-1}{2} & 0 & \frac{2}{3} & 0 \end{pmatrix}$	$\frac{1}{6}$
164	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 \\ -1 & -1 & 2 & \frac{-1}{2} & -1 & -1 & -1 & 2 & 0 \\ \frac{-2}{3} & 0 & \frac{4}{3} & \frac{1}{2} & \frac{-4}{3} & \frac{-1}{2} & 0 & \frac{2}{3} & 0 \end{pmatrix}$	$\frac{1}{6}$
165	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{2}{5} & 1 & 0 & \frac{-1}{3} & 0 \\ -1 & -1 & 0 & -1 & -1 & -1 & 1 & 2 & 2 & 1 \\ -1 & \frac{-1}{2} & -1 & -1 & 1 & \frac{8}{5} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{30}$
166	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 1 & \frac{1}{2} & 1 & \frac{-3}{5} \\ 0 & \frac{-1}{2} & 0 & -1 & -1 & -1 & 1 & \frac{3}{2} & \frac{-2}{3} & \frac{2}{5} \\ 2 & \frac{5}{2} & 1 & 1 & 2 & 0 & -1 & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{30}$
167	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{-1}{4} & 1 & 1 & \frac{1}{2} & \frac{1}{3} & 0 \\ -1 & -1 & \frac{-1}{2} & -1 & -1 & -1 & 1 & \frac{3}{2} & \frac{4}{3} & 1 \\ 3 & 2 & \frac{5}{2} & -1 & -1 & 1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{12}$
168	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & \frac{1}{2} & 1 \\ -1 & -1 & \frac{5}{2} & 0 & -1 & -1 & 2 & \frac{3}{2} & 0 \\ \frac{4}{3} & \frac{-1}{2} & -1 & -1 & \frac{2}{3} & \frac{1}{2} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
169	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{-1}{2} & 1 & 1 & \frac{3}{5} & 0 \\ -1 & -1 & 0 & \frac{1}{2} & -1 & -1 & -1 & 0 & \frac{6}{5} & 1 \\ \frac{5}{2} & 0 & 2 & \frac{3}{2} & -1 & -1 & \frac{-1}{2} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{10}$

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	Polar Polytope	Gorenstein Index
170	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & \frac{3}{2} \\ -1 & -1 & 2 & 0 & 2 & 0 & -1 & 0 & 0 & \frac{-1}{2} \\ 2 & 0 & -1 & -1 & 0 & 2 & 0 & -1 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
171	$\begin{pmatrix} -1 & -1 & -1 & 2 & 1 & 0 & 0 \\ -1 & -1 & 2 & -1 & 0 & 1 & 0 \\ -1 & 2 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
172	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & \frac{1}{2} & 1 \\ -1 & 2 & 2 & 0 & -1 & -1 & 0 \\ 2 & -1 & 0 & 2 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
173	$\begin{pmatrix} -1 & -1 & -1 & 2 & 0 & 2 & \frac{3}{2} & 1 & 0 \\ \frac{4}{3} & \frac{-1}{2} & \frac{3}{5} & -1 & -1 & -1 & -1 & 0 & 0 \\ -1 & -1 & \frac{6}{5} & -1 & -1 & 0 & \frac{1}{2} & -1 & 1 \end{pmatrix}$	$\frac{1}{30}$
174	$\begin{pmatrix} -1 & -1 & -1 & 2 & \frac{2}{3} & 2 & \frac{-1}{2} & 1 & \frac{-4}{5} \\ \frac{1}{2} & 0 & 1 & -1 & -1 & -1 & -1 & 0 & \frac{6}{5} \\ \frac{3}{2} & 2 & 0 & -1 & -1 & 0 & \frac{5}{2} & -1 & -1 \end{pmatrix}$	$\frac{1}{30}$
175	$\begin{pmatrix} -1 & -1 & -1 & 3 & \frac{1}{2} & 2 & 0 & \frac{-3}{5} & 0 & 1 \\ \frac{5}{2} & 2 & 1 & -1 & -1 & -1 & -1 & -1 & 2 & 0 \\ -1 & -1 & 0 & -1 & -1 & 0 & 1 & \frac{6}{5} & -1 & 0 \end{pmatrix}$	$\frac{1}{10}$
176	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 1 & 0 & 1 \\ \frac{1}{2} & \frac{3}{2} & \frac{-1}{2} & \frac{1}{2} & \frac{-1}{2} & \frac{1}{2} & \frac{-3}{2} & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
177	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-2}{5} & 1 & \frac{1}{3} & 1 & 1 & 1 \\ 4 & 2 & 3 & -1 & -1 & -1 & -1 & -1 & 2 & 0 \\ -2 & -1 & -1 & 0 & \frac{1}{5} & 1 & \frac{5}{3} & 0 & -2 & -1 \end{pmatrix}$	$\frac{1}{15}$
178	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & \frac{2}{3} & 0 \\ -1 & -1 & 0 & 2 & 1 & -1 & -1 & 0 & \frac{5}{3} & 2 \\ \frac{1}{2} & \frac{7}{3} & 0 & 0 & 1 & \frac{-1}{2} & \frac{-1}{3} & -1 & \frac{-5}{3} & -1 \end{pmatrix}$	$\frac{1}{6}$
179	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{-1}{3} & 1 & 0 & \frac{2}{3} \\ -1 & -1 & \frac{-2}{3} & -1 & -1 & -1 & 2 & 1 & 2 \\ \frac{1}{2} & 1 & \frac{1}{3} & \frac{-1}{2} & 1 & \frac{7}{3} & -2 & -1 & \frac{-5}{3} \end{pmatrix}$	$\frac{1}{6}$
180	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{3}{4} & 0 & 1 & 0 \\ -1 & -1 & 4 & 3 & -1 & -1 & -1 & 3 & 0 & 2 \\ \frac{1}{2} & \frac{5}{3} & -2 & -1 & \frac{-1}{2} & 0 & \frac{1}{2} & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{12}$

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	Polar Polytope	Gorenstein Index
181	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{2}{3} & 1 & 1 & 0 & 1 \\ -1 & -1 & 4 & 3 & -1 & -1 & -1 & 2 & \frac{-1}{2} \\ \frac{1}{2} & \frac{5}{3} & -2 & -1 & \frac{-1}{3} & \frac{1}{3} & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
182	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 4 & 1 & -1 & -1 & 3 & 0 & 2 \\ \frac{1}{2} & \frac{7}{3} & -2 & 1 & \frac{-1}{2} & \frac{-1}{3} & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
183	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{3}{5} & 0 & 1 & 0 \\ -1 & -1 & 4 & -1 & -1 & -1 & 3 & 0 & 2 \\ \frac{1}{2} & \frac{4}{3} & -2 & \frac{-1}{2} & 0 & \frac{4}{5} & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{30}$
184	$\begin{pmatrix} -1 & -1 & -1 & \frac{2}{3} & \frac{-2}{5} & 1 & \frac{1}{3} & 1 & 1 \\ 4 & 2 & 3 & -1 & -1 & -1 & -1 & -1 & 0 \\ -2 & -1 & -1 & \frac{-1}{3} & \frac{1}{5} & 1 & \frac{5}{3} & 0 & 0 \end{pmatrix}$	$\frac{1}{15}$
185	$\begin{pmatrix} -1 & -1 & -1 & \frac{2}{3} & 0 & 1 & 1 & 1 \\ 4 & \frac{-2}{3} & \frac{1}{2} & -1 & -1 & -1 & 0 & \frac{-1}{2} \\ -2 & \frac{1}{3} & \frac{3}{2} & \frac{-1}{3} & 0 & 0 & 0 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{6}$
186	$\begin{pmatrix} -1 & -1 & -1 & 0 & 2 & \frac{1}{3} & \frac{-1}{3} & 2 & \frac{-1}{2} \\ 4 & 2 & 3 & -1 & -1 & -1 & -1 & 1 & \frac{-1}{2} \\ -2 & -1 & -1 & 0 & 0 & \frac{5}{3} & \frac{1}{3} & -2 & 0 \end{pmatrix}$	$\frac{1}{6}$
187	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 2 & \frac{5}{2} & 1 & \frac{-2}{3} \\ -1 & -1 & \frac{5}{2} & \frac{-1}{2} & -1 & 1 & \frac{1}{2} & 0 & \frac{-2}{3} \\ 3 & 1 & \frac{-1}{2} & \frac{1}{2} & 1 & -2 & -2 & -1 & \frac{1}{3} \end{pmatrix}$	$\frac{1}{6}$
188	$\begin{pmatrix} -1 & -1 & -1 & 2 & 1 & \frac{-4}{5} & 1 & \frac{1}{2} & 0 & 2 \\ -1 & -1 & 1 & -1 & -1 & -1 & 2 & \frac{5}{2} & 1 & 0 \\ 3 & 1 & 1 & 0 & 0 & \frac{3}{5} & -2 & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{10}$
189	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & \frac{2}{3} & 1 & 1 \\ -1 & -1 & 0 & \frac{9}{2} & 4 & -1 & -1 & -1 & -1 & \frac{-1}{2} \\ \frac{1}{2} & \frac{-1}{2} & 0 & 3 & 3 & \frac{-4}{3} & -1 & \frac{-1}{3} & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
190	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{3}{4} & 1 & 1 & 1 \\ -1 & -1 & 6 & 0 & -1 & -1 & -1 & -1 & 0 \\ \frac{1}{2} & \frac{-1}{2} & 4 & 0 & -1 & \frac{-5}{4} & \frac{-1}{2} & -1 & 0 \end{pmatrix}$	$\frac{1}{4}$
191	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{3}{4} & 1 & 0 & 1 & 1 \\ -1 & -1 & 6 & 0 & -1 & -1 & -1 & -1 & 0 \\ \frac{-2}{3} & 0 & 4 & 1 & \frac{-5}{4} & \frac{-1}{2} & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{12}$

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	Polar Polytope	Gorenstein Index
192	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{1}{2} & 1 & \frac{1}{2} & 1 & 1 \\ -1 & -1 & 0 & \frac{-1}{2} & 0 & -1 & 1 & \frac{3}{2} & \frac{1}{2} & 0 \\ 3 & 0 & -1 & -1 & 2 & \frac{3}{2} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
193	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{1}{2} & 1 & 1 & 0 & 1 \\ -1 & -1 & 2 & 2 & \frac{5}{2} & -1 & -1 & -1 & 1 & \frac{-2}{3} \\ -1 & \frac{3}{2} & -1 & 0 & \frac{-1}{2} & -1 & \frac{1}{2} & 0 & 0 & \frac{1}{3} \end{pmatrix}$	$\frac{1}{6}$
194	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{2}{5} & 0 & \frac{-1}{2} & 1 & 0 \\ -1 & -1 & 2 & -1 & -1 & -1 & 2 & \frac{5}{2} & 0 & 1 \\ -1 & \frac{1}{2} & -1 & -1 & 0 & \frac{6}{5} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{10}$
195	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 1 & 0 & \frac{3}{2} \\ -1 & -1 & 2 & 2 & \frac{3}{2} & -1 & -1 & 1 & \frac{-1}{2} \\ -1 & \frac{4}{3} & -1 & 0 & \frac{1}{2} & -1 & 0 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{6}$
196	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 1 & 1 \\ -1 & -1 & 2 & 0 & 2 & -1 & -1 & 0 & 0 \\ 2 & \frac{2}{3} & 0 & 2 & \frac{-1}{3} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
197	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 2 & 0 & 0 & 1 \\ \frac{3}{2} & \frac{2}{3} & 0 & \frac{-1}{2} & -1 & -1 & -1 & -1 & 1 & 0 \\ -1 & -1 & 2 & \frac{5}{2} & -1 & -1 & 0 & 2 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
198	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{3}{2} & 0 & 0 & 1 & 0 & \frac{1}{2} \\ -1 & -1 & \frac{3}{2} & 0 & -1 & -1 & 1 & 0 & 0 & \frac{1}{2} \\ -1 & 3 & -1 & 2 & -1 & 2 & -1 & -1 & 1 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
199	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & \frac{1}{2} & 2 & 0 & \frac{-2}{3} & 1 \\ -1 & -1 & 0 & 1 & -1 & -1 & -1 & 1 & \frac{4}{3} & 0 \\ 3 & 2 & 2 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
200	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 2 & 1 \\ -1 & -1 & \frac{4}{3} & \frac{1}{2} & \frac{1}{2} & -1 & -1 & 0 \\ 3 & 2 & -1 & -1 & \frac{3}{2} & -1 & 0 & -1 \end{pmatrix}$	$\frac{1}{6}$
201	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 2 & -1 & -1 & -1 & 0 & 1 & \frac{3}{2} & 2 \\ \frac{5}{3} & \frac{2}{3} & \frac{-1}{3} & \frac{-1}{2} & 0 & \frac{1}{3} & -1 & -1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{6}$
202	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 4 & 2 & \frac{-1}{2} & 3 & 0 \\ -1 & -1 & \frac{5}{2} & \frac{-2}{3} & 1 & -1 & -1 & -1 & 0 & 2 \\ 3 & 1 & \frac{-1}{2} & \frac{2}{3} & 0 & -2 & -1 & \frac{1}{2} & -2 & -1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
203	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & \frac{3}{2} & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 2 & \frac{3}{2} & 0 \\ \frac{1}{2} & 3 & 0 & 0 & 0 & 0 & -2 & -2 & -1 \end{pmatrix}$	$\frac{1}{2}$
204	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 2 & 1 & 1 & 2 \\ -1 & -1 & 0 & \frac{-2}{3} & 2 & -1 & 1 & 2 & 0 & 0 \\ 3 & 1 & 0 & \frac{1}{3} & 0 & 1 & -2 & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{3}$
205	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{-2}{3} & 0 & \frac{1}{2} & 1 & 0 \\ -1 & -1 & 2 & -1 & -1 & -1 & 2 & \frac{3}{2} & 0 & 1 \\ -1 & 2 & -1 & -1 & \frac{-1}{2} & 2 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
206	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & 0 & \frac{-1}{3} & 1 & 0 \\ 2 & \frac{3}{2} & 1 & -1 & -1 & -1 & -1 & -1 & 1 & 2 \\ -1 & -1 & 0 & -1 & -1 & 1 & 2 & 2 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
207	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 & \frac{1}{2} & \frac{-1}{3} \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & 1 & \frac{3}{2} & \frac{2}{3} \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & -1 & \frac{2}{3} \end{pmatrix}$	$\frac{1}{6}$
208	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 1 \\ -1 & -1 & 2 & \frac{5}{2} & -1 & -1 & 1 & 2 & 0 & 0 \\ \frac{3}{2} & \frac{2}{3} & 0 & \frac{-1}{2} & \frac{1}{2} & \frac{-2}{3} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
209	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{3}{2} & 1 & 1 & 0 & 0 \\ -1 & -1 & 2 & 2 & 0 & -1 & -1 & 0 & 1 & 0 \\ -1 & 2 & -1 & 0 & 2 & -1 & 0 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
210	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 1 & 1 & 0 \\ -1 & -1 & 0 & 0 & \frac{3}{2} & -1 & 0 & 0 & 1 \\ -1 & 2 & -1 & 2 & \frac{1}{2} & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
211	$\begin{pmatrix} -1 & -1 & -1 & -1 & 3 & 2 & 2 & 2 & 0 & 1 \\ -1 & -1 & \frac{2}{3} & \frac{4}{3} & -1 & -1 & -1 & 0 & 1 & 0 \\ \frac{3}{2} & \frac{1}{2} & \frac{2}{3} & \frac{-2}{3} & -1 & -1 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
212	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 1 \\ \frac{1}{2} & 1 & \frac{-1}{2} & 1 & \frac{-1}{2} & 1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{2}$
213	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & 1 \\ -1 & -1 & 4 & 0 & 1 & -1 & -1 & -1 & \frac{5}{2} & 0 \\ 1 & \frac{7}{3} & -2 & 0 & 1 & \frac{-1}{2} & 0 & \frac{-1}{3} & -2 & -1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
214	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 1 \\ -1 & -1 & \frac{2}{3} & -1 & -1 & -1 & 0 & \frac{4}{3} & 1 \\ \frac{1}{2} & 3 & \frac{-1}{3} & 0 & 1 & 0 & -1 & \frac{-5}{3} & -1 \end{pmatrix}$	$\frac{1}{6}$
215	$\begin{pmatrix} -1 & -1 & -1 & 0 & 2 & \frac{1}{2} & \frac{-1}{2} & 2 \\ 4 & 0 & 2 & -1 & -1 & -1 & -1 & 1 \\ -2 & 0 & 0 & 0 & 0 & \frac{3}{2} & \frac{1}{2} & -2 \end{pmatrix}$	$\frac{1}{2}$
216	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{4}{3} & 0 & \frac{-1}{2} & \frac{1}{3} & 0 \\ -1 & -1 & 1 & -1 & -1 & -1 & \frac{-1}{2} & 2 & 2 \\ 3 & 1 & 1 & 0 & \frac{-2}{3} & 2 & 0 & \frac{-5}{3} & -1 \end{pmatrix}$	$\frac{1}{6}$
217	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 2 & \frac{-1}{2} & 2 \\ -1 & -1 & 6 & 0 & 0 & -1 & -1 & -1 & 3 \\ \frac{-1}{2} & 0 & 4 & 0 & 1 & -1 & \frac{-5}{3} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
218	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & 3 & -1 & 1 & -1 & 1 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
219	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 \\ 1 & \frac{2}{3} & 1 & \frac{-1}{2} & -1 & -1 & -1 & 1 & \frac{-2}{3} \\ -1 & -1 & 1 & \frac{5}{2} & 1 & 2 & 0 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
220	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 1 \\ 2 & \frac{2}{3} & 2 & \frac{-1}{2} & -1 & -1 & -1 & 0 & \frac{-2}{3} & 0 \\ -1 & -1 & 0 & \frac{5}{2} & 1 & 2 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
221	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & -1 & -1 & -1 & -1 & 1 & 2 \\ 2 & 0 & 0 & -1 & -1 & 1 & 2 & -1 & -1 \end{pmatrix}$	1
222	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 2 & 1 & -1 & -1 & 1 & 2 & 0 \\ -1 & \frac{4}{3} & -1 & 0 & -1 & \frac{2}{3} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{3}$
223	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 3 & 2 & 2 & -1 & -1 & 1 & 0 & 0 \\ \frac{3}{2} & \frac{1}{2} & -1 & -1 & 0 & \frac{1}{2} & \frac{-1}{2} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
224	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 \\ -1 & -1 & \frac{5}{2} & -1 & -1 & -1 & 1 & 2 & 0 \\ -1 & \frac{4}{3} & -1 & -1 & \frac{1}{2} & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
225	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{2}{3} & 0 & 1 & 0 & \frac{-1}{2} & 1 \\ -1 & -1 & 2 & -1 & -1 & -1 & -1 & 2 & \frac{5}{2} & 0 \\ 3 & \frac{3}{2} & 0 & -1 & -1 & 2 & 0 & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
226	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & \frac{1}{2} & \frac{-1}{2} & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & -1 & \frac{3}{2} & \frac{5}{2} & 0 \\ \frac{5}{2} & \frac{3}{2} & 2 & 0 & -1 & -1 & \frac{-1}{2} & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
227	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & 2 & 1 & 0 \\ -1 & -1 & \frac{4}{3} & 0 & 1 & -1 & -1 & 0 & 0 \\ -1 & 3 & -1 & 2 & 0 & -1 & 0 & -1 & 1 \end{pmatrix}$	$\frac{1}{3}$
228	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 2 & 0 & 1 & 0 \\ -1 & -1 & \frac{3}{2} & \frac{1}{3} & -1 & -1 & 1 & 0 & 0 \\ -1 & 0 & -1 & \frac{4}{3} & -1 & 0 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
229	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 2 & 0 & 1 \\ \frac{4}{3} & \frac{2}{3} & \frac{1}{2} & \frac{-1}{2} & -1 & -1 & -1 & -1 & 0 \\ -1 & -1 & \frac{3}{2} & \frac{5}{2} & -1 & -1 & 0 & 2 & -1 \end{pmatrix}$	$\frac{1}{6}$
230	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{2}{3} & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & 1 & 0 & 1 \\ \frac{1}{2} & 3 & \frac{-1}{2} & 1 & \frac{-1}{3} & \frac{-3}{2} & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
231	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 \\ 0 & \frac{-2}{3} & 2 & \frac{1}{2} & -1 & -1 & -1 & 2 & \frac{-1}{2} \\ 0 & \frac{1}{3} & 0 & \frac{3}{2} & \frac{-1}{2} & 0 & 0 & -2 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{6}$
232	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 \\ -1 & 1 & -1 & 1 & -1 & 1 & -1 \end{pmatrix}$	1
233	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 1 \\ -1 & -1 & 1 & 2 & -1 & -1 & 1 & 2 & -1 \end{pmatrix}$	1
234	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 1 \\ -1 & \frac{3}{2} & -1 & \frac{1}{2} & -1 & \frac{1}{2} & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
235	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & \frac{2}{3} & 1 & 0 \\ -1 & \frac{5}{2} & -1 & \frac{-1}{2} & -1 & 1 & 2 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
236	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 2 & \frac{1}{2} & 2 & -1 & -1 & 0 & \frac{-1}{2} & 0 \\ 3 & 2 & -1 & -1 & 0 & 1 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
237	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{-1}{2} & 1 & 1 & \frac{2}{3} & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & 1 & \frac{4}{3} & 1 \\ 3 & 0 & 2 & 1 & -1 & -1 & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
238	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{2}{3} & 0 & 1 & 0 \\ -1 & -1 & 3 & 2 & -1 & -1 & -1 & 2 & 0 & 1 \\ -1 & \frac{3}{2} & -1 & 0 & -1 & 0 & \frac{2}{3} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
239	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & \frac{4}{3} & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \\ -1 & \frac{3}{2} & -1 & \frac{1}{3} & -1 & \frac{1}{2} & -1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{6}$
240	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 3 & 0 & -1 & -1 & 2 & 0 & 1 \\ -1 & \frac{5}{2} & -1 & 2 & -1 & \frac{-1}{2} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
241	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & 0 & 1 \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & 0 \\ -1 & -1 & 0 & 2 & -1 & -1 & 1 & 0 \end{pmatrix}$	1
242	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{2}{3} & 1 & 1 & 1 \\ -1 & -1 & 4 & 0 & -1 & -1 & -1 & -1 & 0 \\ 3 & 1 & -2 & 0 & 0 & \frac{-1}{3} & 1 & 0 & 0 \end{pmatrix}$	$\frac{1}{3}$
243	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{2}{3} & 1 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & 2 & 0 & 1 \\ \frac{1}{2} & 3 & 0 & 0 & \frac{-1}{3} & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
244	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & -1 & 0 & 2 & 1 & -1 & -1 & 2 \\ \frac{1}{2} & 1 & 0 & 0 & 1 & \frac{-1}{2} & 1 & -2 \end{pmatrix}$	$\frac{1}{2}$
245	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 2 & 1 & -1 & -1 & -1 & 0 & \frac{3}{2} & 2 \\ 3 & \frac{2}{3} & 0 & 0 & \frac{-1}{2} & 0 & 1 & -1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{6}$
246	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & \frac{1}{2} & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & \frac{1}{2} & 0 \\ -1 & 1 & -1 & 1 & -1 & 1 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
247	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 2 & 2 & 0 & -1 & -1 & 0 & 0 \\ -1 & 2 & -1 & 0 & 2 & -1 & 0 & -1 & 0 \end{pmatrix}$	1
248	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & \frac{-1}{2} & 1 & 1 \\ 2 & \frac{3}{2} & 2 & 0 & -1 & -1 & -1 & -1 & 0 & 0 \\ -1 & -1 & 0 & 2 & -1 & -1 & 1 & \frac{5}{2} & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
249	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{2}{3} & 1 & 0 & 0 \\ -1 & -1 & 2 & -1 & -1 & -1 & 1 & 2 & 1 \\ -1 & \frac{1}{2} & -1 & -1 & 1 & \frac{4}{3} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
250	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & 2 & 0 & 1 \\ 0 & \frac{4}{3} & 0 & \frac{1}{2} & -1 & -1 & -1 & -1 & 0 \\ -1 & -1 & 2 & \frac{3}{2} & -1 & -1 & 0 & 2 & -1 \end{pmatrix}$	$\frac{1}{6}$
251	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 1 & 1 \\ 3 & 1 & \frac{-1}{2} & 0 & 1 & \frac{-1}{2} & 0 & 1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{2}$
252	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & \frac{2}{3} & 1 & 0 \\ \frac{1}{2} & 3 & \frac{-1}{2} & 2 & 0 & \frac{-1}{2} & 1 & \frac{-4}{3} & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
253	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 & 1 \\ -1 & -1 & 4 & 0 & -1 & -1 & -1 & -1 & 3 & 0 \\ 3 & 1 & -2 & 0 & \frac{-1}{2} & 0 & 2 & 0 & -2 & -1 \end{pmatrix}$	$\frac{1}{2}$
254	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 \\ -1 & -1 & 0 & \frac{4}{3} & 0 & -1 & -1 & -1 & \frac{2}{3} & 0 \\ 3 & 1 & 0 & \frac{-2}{3} & 2 & \frac{-1}{2} & 0 & 1 & \frac{-4}{3} & 0 \end{pmatrix}$	$\frac{1}{6}$
255	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 \\ -1 & -1 & \frac{5}{2} & \frac{-1}{2} & -1 & -1 & -1 & 0 & \frac{3}{2} \\ 3 & 1 & \frac{-1}{2} & \frac{1}{2} & \frac{-1}{2} & 0 & 1 & -1 & \frac{-3}{2} \end{pmatrix}$	$\frac{1}{2}$
256	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & 1 & \frac{1}{2} & 1 \\ -1 & -1 & 4 & -1 & -1 & -1 & \frac{-1}{2} & 0 \\ \frac{1}{2} & 3 & -2 & 0 & 1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{2}$
257	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 2 & 2 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 1 & 2 \\ 3 & 1 & 0 & 0 & 0 & 0 & -2 & -2 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
258	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 6 & 0 & 0 & -1 & -1 & -1 & -1 & 4 \\ \frac{-1}{2} & 0 & 4 & 0 & 1 & \frac{-4}{3} & -1 & \frac{-1}{2} & 0 & 2 \end{pmatrix}$	$\frac{1}{6}$
259	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{1}{2} & 1 & 1 & 1 \\ -1 & -1 & 1 & \frac{-1}{2} & 1 & -1 & 1 & \frac{1}{2} & 0 \\ 3 & 0 & -1 & -1 & 1 & \frac{3}{2} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
260	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 1 & 0 \\ -1 & -1 & 2 & 2 & -1 & -1 & -1 & \frac{-1}{2} & 1 \\ -1 & 3 & -1 & 0 & -1 & \frac{3}{2} & 0 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
261	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 2 & -1 & -1 & -1 & -1 & 2 & 0 \\ -1 & 2 & -1 & -1 & 1 & 2 & 0 & -1 & 0 \end{pmatrix}$	1
262	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{1}{2} & 1 & 1 \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & 0 & 0 \\ -1 & 3 & -1 & 2 & -1 & 2 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
263	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 \\ -1 & -1 & 3 & 2 & -1 & -1 & -1 & 2 & 0 \\ -1 & \frac{3}{2} & -1 & 0 & -1 & \frac{1}{2} & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
264	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 \\ -1 & -1 & 4 & 0 & -1 & -1 & -1 & 2 & 0 \\ 3 & 1 & -2 & 0 & 0 & 1 & 0 & -2 & -1 \end{pmatrix}$	1
265	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & \frac{-1}{2} & 1 & 1 & 2 \\ -1 & -1 & 4 & 0 & -1 & -1 & -1 & 2 & 0 \\ 3 & 1 & -2 & 0 & 0 & \frac{1}{2} & 0 & -2 & -1 \end{pmatrix}$	$\frac{1}{2}$
266	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & 1 & -1 & 1 & -1 & 1 & -1 & -1 & 1 & 1 \end{pmatrix}$	1
267	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 0 \\ -1 & 3 & -1 & 1 & -1 & 2 & -1 & -1 & 0 \end{pmatrix}$	1
268	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & 1 & 2 & 0 & 1 \\ -1 & \frac{3}{2} & -1 & 1 & -1 & \frac{1}{2} & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
269	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & \frac{1}{2} & 1 \\ -1 & -1 & 2 & 0 & -1 & -1 & -1 & 2 & \frac{3}{2} & 0 \\ 2 & \frac{-1}{2} & -1 & -1 & 1 & 2 & \frac{1}{2} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
270	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & \frac{1}{3} & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & 0 & \frac{4}{3} & 1 \\ -1 & 3 & -1 & 2 & -1 & 2 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{3}$
271	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 1 \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & -1 & 0 & 0 \\ -1 & -1 & 0 & 2 & -1 & -1 & 1 & 2 & -1 & 0 \end{pmatrix}$	1
272	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 & 1 \\ -1 & -1 & 2 & 2 & -1 & -1 & -1 & 0 & 0 \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
273	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & \frac{3}{2} & 0 & -1 & -1 & 0 & 1 & 0 \\ -1 & 3 & -1 & 2 & -1 & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
274	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 \\ \frac{1}{2} & 3 & \frac{-1}{2} & 1 & 0 & 1 & 0 & \frac{-3}{2} & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
275	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 \\ -1 & -1 & 2 & 2 & -1 & -1 & -1 & 0 & 1 & 0 \\ -1 & 1 & -1 & 1 & -1 & 1 & 0 & -1 & 1 & 0 \end{pmatrix}$	1
276	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 2 & -1 & -1 & -1 & 0 & 0 & 1 \\ -1 & 2 & -1 & -1 & 1 & 2 & -1 & 0 & 0 \end{pmatrix}$	1
277	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 2 & 2 & -1 & -1 & -1 & 0 & 1 \\ -1 & 3 & -1 & 0 & -1 & 2 & 0 & -1 & 0 \end{pmatrix}$	1
278	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 \\ -1 & -1 & 2 & -1 & -1 & -1 & 1 & 2 & 0 \\ 2 & \frac{1}{2} & -1 & 1 & 2 & \frac{-1}{2} & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
279	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & -1 & 2 & 0 \\ \frac{1}{2} & 3 & 0 & 0 & 0 & 1 & 0 & -2 & -1 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
280	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & \frac{1}{2} & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & 1 & \frac{3}{2} & 1 \\ -1 & 2 & -1 & 1 & -1 & 1 & 2 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
281	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 2 & 0 & -1 & -1 & 0 & 0 \\ -1 & 1 & -1 & 1 & -1 & 1 & -1 & 1 \end{pmatrix}$	1
282	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 & \frac{-1}{2} \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 1 & 1 \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
283	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & \frac{1}{2} & 1 & 0 \\ -1 & 3 & -1 & 2 & 0 & -1 & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
284	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & -1 & 2 \\ 3 & 1 & 0 & 0 & \frac{-1}{2} & 0 & 1 & -2 \end{pmatrix}$	$\frac{1}{2}$
285	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 1 & 0 \\ -1 & 2 & -1 & 1 & 2 & -1 & 0 & -1 & 0 \end{pmatrix}$	1

The Fano polytopes in $\mathbb{Z}^3$ with 8 vertices.

	Polar Polytope	Gorenstein Index
286	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & \frac{-1}{3} & \frac{1}{2} & \frac{2}{5} & 0 & 1 & 0 \\ -1 & -1 & \frac{-2}{3} & -1 & -1 & -1 & -1 & \frac{3}{2} & \frac{8}{5} & 1 & 0 & 0 \\ \frac{-1}{2} & 0 & \frac{-2}{3} & 1 & 2 & \frac{1}{2} & 2 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{30}$
287	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & \frac{-1}{4} & 1 & 1 & \frac{1}{3} & 0 & 0 & \frac{1}{4} \\ -1 & -1 & \frac{-1}{2} & -1 & -1 & -1 & -1 & 0 & \frac{4}{3} & 1 & 0 & \frac{5}{4} \\ -1 & 0 & -1 & -1 & 2 & \frac{9}{4} & 0 & -1 & -1 & -1 & 1 & \frac{-3}{4} \end{pmatrix}$	$\frac{1}{12}$
288	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & \frac{8}{3} & \frac{-2}{3} & 2 & \frac{-1}{2} & \frac{5}{2} & 0 \\ -1 & -1 & 0 & \frac{5}{2} & \frac{8}{3} & \frac{-2}{3} & -1 & -1 & -1 & -1 & \frac{-1}{2} & 2 \\ \frac{-1}{2} & 0 & 0 & \frac{3}{2} & \frac{5}{3} & \frac{1}{3} & \frac{-4}{3} & \frac{-2}{3} & -1 & 0 & -1 & 1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
289	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & \frac{-1}{3} & 1 & \frac{1}{2} & 0 & 0 & \frac{1}{3} \\ -1 & -1 & \frac{-1}{2} & -1 & -1 & -1 & -1 & 1 & \frac{3}{2} & 1 & 0 & \frac{4}{3} \\ -1 & 0 & -1 & -1 & 1 & 2 & 2 & -1 & -1 & -1 & 1 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{6}$
290	$\begin{pmatrix} -1 & -1 & -1 & \frac{-2}{3} & 0 & 0 & \frac{1}{2} & 1 & 1 & 0 & 1 \\ -1 & 2 & \frac{1}{2} & -1 & -1 & 2 & \frac{3}{2} & 0 & \frac{-1}{2} & 1 & \frac{-2}{3} \\ 2 & -1 & -1 & 2 & 1 & -1 & -1 & -1 & -1 & 0 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{6}$
291	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & \frac{2}{5} & 0 & \frac{-1}{3} & 0 & 1 \\ -1 & -1 & 0 & -1 & -1 & -1 & -1 & 2 & 2 & 1 & 0 \\ 2 & \frac{3}{2} & 1 & 1 & 2 & 0 & \frac{-3}{5} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{30}$
292	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-1}{4} & 0 & 1 & \frac{1}{2} & 1 & \frac{1}{3} & 1 & 0 \\ -1 & -1 & \frac{-1}{2} & -1 & -1 & -1 & 1 & \frac{3}{2} & 0 & \frac{4}{3} & 0 & 1 \\ 3 & 2 & \frac{5}{2} & -1 & -1 & 2 & -1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{12}$
293	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{3} & 1 & \frac{1}{3} & \frac{-1}{3} & 0 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & 0 & \frac{4}{3} & \frac{2}{3} & 1 & 0 \\ -1 & 0 & -1 & 0 & -1 & 0 & \frac{4}{3} & -1 & -1 & \frac{2}{3} & 0 & 1 \end{pmatrix}$	$\frac{1}{3}$
294	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 1 & 1 & 0 \\ \frac{4}{3} & \frac{-2}{3} & \frac{1}{3} & -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 0 & \frac{1}{2} & 1 \\ \frac{1}{3} & \frac{4}{3} & \frac{-2}{3} & \frac{1}{2} & 0 & 1 & -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{6}$
295	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 \\ \frac{3}{2} & 1 & \frac{-1}{2} & 0 & \frac{1}{2} & \frac{-1}{2} & 0 & \frac{1}{2} & \frac{-3}{2} & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
296	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & \frac{-1}{3} & 1 & 1 & 1 & 0 & \frac{2}{3} \\ -1 & -1 & \frac{-2}{3} & -1 & -1 & -1 & -1 & 2 & 0 & 1 & 2 \\ \frac{1}{2} & 1 & \frac{1}{3} & 0 & 1 & \frac{7}{3} & 0 & -2 & -1 & -1 & \frac{-5}{3} \end{pmatrix}$	$\frac{1}{6}$
297	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & 1 & 1 & -1 & -1 & 1 \\ 1 & -1 & 1 & -1 & 1 & -1 \end{pmatrix}$	1
298	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & 1 & \frac{-2}{3} & \frac{2}{5} & 1 \\ 1 & 0 & 1 & -1 & -1 & -1 & 1 & 0 & 1 & \frac{-3}{5} & 0 \\ 1 & 2 & 0 & 2 & \frac{5}{2} & 1 & -1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{30}$
299	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & 1 & 1 & \frac{-1}{2} & 0 & \frac{-2}{3} \\ -1 & -1 & 0 & -1 & -1 & -1 & -1 & 0 & \frac{2}{3} & 1 & 1 & 1 \\ 0 & \frac{-1}{2} & 0 & -1 & -1 & 1 & \frac{3}{2} & -1 & \frac{-2}{3} & \frac{1}{2} & 0 & \frac{1}{3} \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
300	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ \frac{3}{2} & \frac{1}{2} & \frac{1}{2} & \frac{-1}{2} & \frac{1}{2} & \frac{-1}{2} & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
301	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 & 1 \\ 1 & \frac{2}{3} & 0 & \frac{-1}{2} & 1 & -1 & -1 & -1 & \frac{1}{2} & \frac{-2}{3} & 1 & 0 \\ -1 & -1 & 2 & \frac{5}{2} & 0 & 1 & 2 & 0 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
302	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 & 0 & 1 \\ -1 & -1 & 1 & \frac{-1}{2} & 1 & -1 & -1 & \frac{2}{3} & \frac{1}{2} & 1 & 0 \\ \frac{5}{2} & 0 & -1 & -1 & \frac{-1}{2} & 2 & \frac{3}{2} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
303	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 \\ -1 & -1 & 2 & 0 & 2 & 0 & -1 & 0 & 0 \\ 2 & 0 & -1 & -1 & 0 & 2 & 0 & -1 & 0 \end{pmatrix}$	1
304	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & \frac{1}{2} & 1 & 1 & 0 & 0 & \frac{-1}{2} \\ -1 & -1 & 2 & -1 & -1 & -1 & -1 & \frac{-1}{2} & 1 & 0 & \frac{3}{2} \\ -1 & 2 & -1 & -1 & 2 & \frac{3}{2} & 0 & -1 & -1 & 1 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
305	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & 0 & \frac{-1}{3} & 1 & 1 & 0 \\ 2 & \frac{3}{2} & 1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 \\ -1 & -1 & 0 & -1 & -1 & 1 & 2 & 2 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$
306	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{1}{2} & 0 & 1 & 1 & 1 & 0 \\ 2 & \frac{2}{3} & 2 & \frac{-1}{2} & -1 & -1 & -1 & \frac{-1}{2} & \frac{-2}{3} & 1 \\ -1 & -1 & 0 & \frac{5}{2} & \frac{3}{2} & 2 & 0 & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
307	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{-1}{2} & 1 & \frac{3}{5} & 1 & 0 & 0 \\ 2 & 0 & 2 & \frac{3}{2} & -1 & -1 & -1 & -1 & \frac{-1}{2} & 1 & 0 \\ -1 & -1 & 0 & \frac{1}{2} & -1 & -1 & 0 & \frac{6}{5} & -1 & -1 & 1 \end{pmatrix}$	$\frac{1}{10}$
308	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 0 & -1 & -1 & -1 & -1 & 1 & 2 \\ 0 & 1 & 0 & -1 & -1 & 1 & 2 & -1 & -1 \end{pmatrix}$	1
309	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & \frac{1}{2} & 1 \\ -1 & -1 & 2 & 0 & 1 & -1 & -1 & 2 & \frac{3}{2} & 0 \\ \frac{4}{3} & \frac{-1}{2} & -1 & -1 & 0 & \frac{2}{3} & \frac{1}{2} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
310	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & \frac{3}{5} \\ -1 & -1 & 0 & \frac{1}{2} & -1 & -1 & -1 & 1 & 0 & 0 & \frac{6}{5} \\ 2 & \frac{-1}{2} & -1 & -1 & 1 & 2 & \frac{1}{2} & -1 & 0 & 1 & \frac{-4}{5} \end{pmatrix}$	$\frac{1}{10}$

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	Polar Polytope	Gorenstein Index
311	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & \frac{-1}{2} & 1 & 1 & 0 & \frac{2}{5} & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & \frac{6}{5} & 0 \\ -1 & 2 & -1 & 0 & -1 & 2 & \frac{5}{2} & 0 & -1 & -1 & -1 & 1 \end{pmatrix}$	$\frac{1}{10}$
312	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{2}{3} & 0 & 0 & 1 & 1 & 0 \\ 3 & \frac{1}{2} & 2 & \frac{-2}{3} & -1 & -1 & -1 & 2 & 0 & \frac{-1}{2} & 1 \\ -1 & -1 & 0 & \frac{4}{3} & 0 & \frac{2}{3} & 1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
313	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 0 & 1 \\ -1 & -1 & 2 & 2 & \frac{5}{2} & -1 & -1 & -1 & 0 & 1 & \frac{-2}{3} \\ -1 & \frac{3}{2} & -1 & 0 & \frac{-1}{2} & -1 & \frac{1}{2} & 0 & -1 & 0 & \frac{1}{3} \end{pmatrix}$	$\frac{1}{6}$
314	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & 2 & \frac{3}{2} & 1 & 0 \\ 0 & \frac{4}{3} & 0 & \frac{3}{5} & -1 & -1 & -1 & -1 & 0 & 0 \\ -1 & -1 & 0 & \frac{6}{5} & -1 & -1 & 0 & \frac{1}{2} & -1 & 1 \end{pmatrix}$	$\frac{1}{30}$
315	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & \frac{3}{4} & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 1 & \frac{3}{4} & 0 \\ \frac{1}{2} & 3 & \frac{-1}{2} & 2 & 0 & \frac{-1}{2} & 2 & 0 & -1 & -1 & \frac{-5}{4} & 1 \end{pmatrix}$	$\frac{1}{4}$
316	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{2}{3} & 1 & 1 & 0 & 0 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & \frac{2}{3} & 0 & 1 & 0 & \frac{1}{2} \\ \frac{1}{2} & 3 & \frac{-1}{2} & 2 & 0 & \frac{-1}{3} & \frac{-4}{3} & -1 & -1 & 1 & -1 \end{pmatrix}$	$\frac{1}{6}$
317	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & \frac{1}{3} & 1 & \frac{-1}{3} & 1 & 1 & \frac{-1}{2} \\ 4 & 2 & 3 & -1 & -1 & -1 & -1 & -1 & 2 & 0 & \frac{-1}{2} \\ -2 & -1 & -1 & 0 & 1 & \frac{5}{3} & 0 & \frac{1}{3} & -2 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
318	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 & \frac{3}{4} & 0 \\ -1 & -1 & 0 & \frac{4}{3} & 0 & -1 & -1 & -1 & -1 & 0 & \frac{3}{4} & 0 \\ 3 & 1 & 0 & \frac{-2}{3} & 2 & \frac{-1}{2} & 0 & 2 & 0 & -1 & \frac{-5}{4} & 1 \end{pmatrix}$	$\frac{1}{12}$
319	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & \frac{2}{3} & 0 \\ -1 & -1 & 0 & 2 & 1 & -1 & -1 & -1 & 0 & \frac{5}{3} & 2 \\ 1 & \frac{7}{3} & 0 & 0 & 1 & \frac{-1}{2} & 0 & \frac{-1}{3} & -1 & \frac{-5}{3} & -1 \end{pmatrix}$	$\frac{1}{6}$
320	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{2}{3} & 1 & 1 & 1 \\ 4 & 0 & \frac{1}{2} & \frac{-1}{2} & -1 & -1 & -1 & 0 & \frac{-1}{2} \\ -2 & 0 & \frac{3}{2} & \frac{1}{2} & 0 & \frac{-1}{3} & 0 & 0 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{6}$
321	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{2}{3} & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 2 & 1 & -1 & -1 & 0 & 1 & \frac{3}{2} & 2 \\ 3 & \frac{2}{3} & 0 & 0 & \frac{-1}{3} & 0 & -1 & -1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
322	$\begin{pmatrix} -1 & -1 & -1 & 2 & \frac{-1}{2} & 1 & 1 & \frac{1}{2} & 0 & 2 & \frac{-2}{3} \\ -1 & -1 & 1 & -1 & -1 & -1 & 2 & \frac{5}{2} & 1 & 0 & \frac{-2}{3} \\ 3 & 1 & 1 & 0 & \frac{1}{2} & 0 & -2 & -2 & -1 & -1 & \frac{1}{3} \end{pmatrix}$	$\frac{1}{6}$
323	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{3}{4} & 1 & 0 & 1 & 1 \\ -1 & -1 & 6 & 0 & 0 & -1 & -1 & -1 & -1 & -1 & 0 \\ \frac{-1}{2} & 0 & 4 & 0 & 1 & -1 & \frac{-5}{4} & \frac{-1}{2} & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{4}$
324	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 1 & -1 & -1 & 1 & 1 \end{pmatrix}$	1
325	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & \frac{1}{2} & 1 & 1 & 0 & 0 & 1 \\ -1 & -1 & 1 & 0 & \frac{-1}{2} & 1 & -1 & \frac{1}{2} & 0 & 1 & 0 & \frac{1}{3} \\ -1 & 2 & -1 & 2 & \frac{5}{2} & 0 & -1 & -1 & -1 & -1 & 1 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{6}$
326	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{1}{2} & \frac{-1}{2} & 1 & 1 & 0 & 1 & \frac{1}{2} \\ -1 & -1 & \frac{-1}{2} & \frac{1}{2} & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 1 \\ 0 & 2 & -1 & -1 & \frac{3}{2} & \frac{5}{2} & -1 & -1 & -1 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
327	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{1}{2} & \frac{-1}{3} & 1 & 1 \\ 2 & 2 & 1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 \\ -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & \frac{2}{3} & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
328	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{1}{2} & 1 & \frac{1}{2} & 1 & 1 & 0 \\ -1 & -1 & 2 & 2 & -1 & -1 & -1 & -1 & \frac{-1}{2} & 1 \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & 0 & \frac{1}{2} & 0 \end{pmatrix}$	$\frac{1}{2}$
329	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 2 & \frac{1}{2} & 2 & -1 & -1 & 0 & \frac{-1}{2} & 1 \\ 3 & 2 & -1 & -1 & 0 & 2 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
330	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & \frac{-2}{3} & 0 & \frac{1}{2} & 1 & 0 \\ -1 & -1 & 1 & -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 0 & 1 \\ 2 & 0 & 0 & -1 & -1 & \frac{-1}{2} & 2 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
331	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 & \frac{1}{2} & 0 & 0 & \frac{-1}{2} \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & 1 & \frac{3}{2} & 1 & 0 & \frac{1}{2} \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & -1 & 0 & 1 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
332	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & \frac{1}{2} & 1 & 1 & 0 \\ -1 & -1 & 0 & \frac{-1}{2} & 0 & -1 & -1 & 1 & \frac{3}{2} & \frac{1}{2} & 0 & 1 \\ 2 & 0 & -1 & -1 & 1 & 2 & \frac{3}{2} & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
333	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & \frac{1}{3} \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & \frac{4}{3} \\ -1 & 2 & -1 & 1 & -1 & 1 & 2 & 0 & -1 & 0 & 0 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{3}$
334	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & \frac{-2}{3} & 0 & \frac{1}{2} & 1 & \frac{-1}{3} & 0 \\ -1 & -1 & 0 & -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 0 & 2 & 1 \\ 2 & \frac{3}{2} & 1 & -1 & -1 & \frac{-1}{2} & 2 & -1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
335	$\begin{pmatrix} -1 & -1 & -1 & 2 & 0 & 0 & 0 & 1 \\ 2 & 0 & 0 & -1 & -1 & -1 & 1 & 0 \\ 0 & 2 & 0 & -1 & -1 & 1 & -1 & 0 \end{pmatrix}$	1
336	$\begin{pmatrix} -1 & -1 & -1 & -1 & 2 & 0 & 0 & 1 & 0 & \frac{3}{2} \\ 0 & \frac{4}{3} & 0 & \frac{1}{2} & -1 & -1 & -1 & 0 & 0 & \frac{-1}{2} \\ -1 & -1 & 2 & \frac{3}{2} & -1 & -1 & 1 & -1 & 1 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{6}$
337	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 2 & 0 & 1 \\ \frac{4}{3} & \frac{2}{3} & 0 & \frac{1}{2} & 0 & -1 & -1 & -1 & -1 & 0 \\ -1 & -1 & 2 & \frac{3}{2} & 1 & -1 & -1 & 0 & 2 & -1 \end{pmatrix}$	$\frac{1}{6}$
338	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 1 & 1 & 0 & \frac{3}{2} \\ -1 & -1 & 2 & \frac{3}{2} & 2 & -1 & -1 & -1 & 0 & 1 & \frac{-1}{2} \\ \frac{4}{3} & \frac{2}{3} & 0 & \frac{1}{2} & \frac{-1}{3} & -1 & -1 & 0 & -1 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{6}$
339	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ \frac{1}{2} & \frac{3}{2} & \frac{-1}{2} & \frac{1}{2} & 0 & \frac{1}{2} & 0 & \frac{-3}{2} & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
340	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 1 & 0 \\ 0 & \frac{4}{3} & \frac{-1}{2} & \frac{1}{3} & -1 & -1 & -1 & \frac{2}{3} & 0 & \frac{-1}{2} & 0 \\ 0 & \frac{-2}{3} & \frac{1}{2} & \frac{4}{3} & \frac{-1}{2} & 0 & 0 & \frac{-4}{3} & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{6}$
341	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 2 & 1 & \frac{-1}{2} & 1 & 2 \\ -1 & -1 & 0 & 2 & -1 & 1 & 2 & \frac{-1}{2} & 0 & 0 \\ 3 & 1 & 0 & 0 & 1 & -2 & -2 & 0 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
342	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 0 \\ 1 & \frac{2}{3} & 1 & \frac{-1}{2} & -1 & -1 & -1 & 0 & \frac{-2}{3} & 1 & 0 & 1 \\ -1 & -1 & 1 & \frac{5}{2} & 1 & 2 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$
343	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 0 & 1 & 0 & -1 & 1 & 0 & 0 \\ 2 & 0 & -1 & -1 & 1 & 2 & 0 & -1 & -1 & 0 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
344	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ -1 & 3 & -1 & 2 & -1 & 2 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
345	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 \\ 1 & \frac{2}{3} & 1 & 0 & 0 & -1 & -1 & -1 & 1 & \frac{-2}{3} \\ -1 & -1 & 1 & 2 & 1 & 1 & 2 & 0 & -1 & -1 \end{pmatrix}$	$\frac{1}{3}$
346	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 0 & 1 & 1 & \frac{-2}{3} & 1 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & 1 & \frac{1}{2} & \frac{-1}{3} & 0 \\ -1 & -1 & 1 & 2 & 2 & \frac{3}{2} & 1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
347	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 1 & \frac{-1}{2} & \frac{2}{3} \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ 0 & \frac{-1}{2} & -1 & -1 & 0 & 1 & \frac{3}{2} & \frac{1}{2} & -1 & 0 & \frac{1}{2} & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{6}$
348	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 & 0 \\ -1 & -1 & 2 & -1 & -1 & 0 & 0 & 1 & 0 \\ -1 & 2 & -1 & -1 & 0 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
349	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 1 & 1 \\ -1 & 2 & 2 & 0 & -1 & -1 & -1 & 0 & 0 \\ 2 & -1 & 0 & 2 & -1 & -1 & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
350	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 0 \\ -1 & -1 & 2 & 2 & 0 & -1 & -1 & 0 & 1 & 0 \\ -1 & 2 & -1 & 0 & 2 & -1 & 0 & -1 & 0 & 1 \end{pmatrix}$	1
351	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 0 & \frac{3}{2} & -1 & -1 & 0 & 0 & 1 \\ -1 & 2 & -1 & 2 & \frac{1}{2} & -1 & 0 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
352	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & \frac{-1}{2} \\ -1 & -1 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & \frac{3}{2} \\ 2 & 0 & 0 & -1 & -1 & 1 & 2 & -1 & -1 & 0 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
353	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 1 & 0 \\ -1 & 2 & \frac{1}{2} & -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 \\ 2 & -1 & -1 & 1 & 2 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
354	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ -1 & -1 & 2 & -1 & -1 & -1 & -1 & 1 & 0 & 1 \\ -1 & 2 & -1 & -1 & 1 & 2 & 0 & -1 & 0 & 0 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
355	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 & 1 \\ \frac{3}{2} & \frac{2}{3} & 0 & \frac{-1}{2} & -1 & -1 & -1 & 0 & \frac{-2}{3} & 1 & 0 \\ -1 & -1 & 2 & \frac{5}{2} & 1 & 2 & 0 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
356	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & \frac{3}{2} & \frac{1}{3} & -1 & -1 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ -1 & 0 & -1 & \frac{4}{3} & -1 & 0 & -1 & -1 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{6}$
357	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 0 & -1 & -1 & -1 & 1 & 2 & 0 & 1 \\ 0 & \frac{3}{2} & 0 & 1 & -1 & -1 & \frac{1}{2} & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
358	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 2 & 1 & -1 & -1 & -1 & 1 & 2 & 0 \\ -1 & \frac{4}{3} & -1 & 0 & -1 & \frac{1}{2} & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
359	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 1 & 0 \\ 2 & \frac{1}{2} & 0 & \frac{-2}{3} & -1 & -1 & -1 & 1 & 2 & \frac{-1}{2} & 0 & 1 \\ -1 & -1 & 1 & \frac{4}{3} & \frac{1}{2} & 0 & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$
360	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 1 \\ -1 & -1 & 2 & 1 & -1 & -1 & 1 & 2 & 0 & 0 \\ \frac{4}{3} & \frac{1}{2} & -1 & 0 & \frac{2}{3} & \frac{-1}{2} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
361	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{1}{2} & 1 & 1 & \frac{-1}{3} & \frac{1}{3} \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & 0 & 0 & \frac{2}{3} & \frac{-2}{3} \\ -1 & 0 & -1 & 0 & -1 & 1 & -1 & -1 & -1 & 0 & \frac{2}{3} & \frac{4}{3} \end{pmatrix}$	$\frac{1}{6}$
362	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & \frac{-1}{2} & 1 & \frac{2}{3} & 1 & 0 & 1 \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & 1 & \frac{4}{3} & 0 & 1 & 0 \\ -1 & 2 & -1 & 0 & -1 & 2 & \frac{5}{2} & -1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
363	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & \frac{2}{3} & 0 & 1 & 0 \\ -1 & -1 & 3 & 2 & 2 & -1 & -1 & -1 & 2 & 0 & 1 \\ \frac{3}{2} & \frac{1}{2} & -1 & -1 & 0 & \frac{-1}{2} & 0 & \frac{2}{3} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
364	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 1 \\ -1 & -1 & 2 & \frac{5}{2} & -1 & -1 & -1 & 1 & 2 & 0 & 0 \\ \frac{1}{2} & \frac{4}{3} & -1 & -1 & \frac{1}{2} & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
365	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & \frac{3}{2} \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & 0 & 0 & \frac{-1}{2} \\ -1 & -1 & 0 & 2 & 1 & 0 & 0 & -1 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
366	$\begin{pmatrix} -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & \frac{2}{3} & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ \frac{1}{2} & 3 & \frac{-1}{3} & 0 & 1 & 0 & \frac{-3}{2} & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
367	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 0 & \frac{1}{2} & -1 & -1 & -1 & 0 & \frac{4}{3} & 1 & 1 \\ \frac{1}{2} & 3 & 0 & 0 & 0 & 1 & 0 & -1 & \frac{-5}{3} & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
368	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & \frac{2}{3} & 1 \\ 1 & \frac{-1}{2} & 1 & \frac{1}{2} & -1 & -1 & 1 & -1 & \frac{-2}{3} & 0 \end{pmatrix}$	$\frac{1}{6}$
369	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 1 & 2 & -1 & -1 & 1 & 2 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
370	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 1 & \frac{-1}{2} & 1 \\ -1 & 1 & 0 & 1 & -1 & -1 & -1 & 1 & 1 & 0 \\ 2 & 1 & 2 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
371	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & \frac{2}{3} & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 0 & 1 & 1 \\ -1 & 2 & -1 & 1 & 2 & -1 & \frac{-1}{2} & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
372	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 0 & \frac{2}{3} & 1 \\ 2 & \frac{-1}{2} & 1 & 2 & \frac{1}{2} & -1 & -1 & 0 & -1 & 0 & \frac{-2}{3} & 0 \end{pmatrix}$	$\frac{1}{6}$
373	$\begin{pmatrix} -1 & -1 & -1 & 0 & 0 & \frac{-1}{2} & 1 & 1 & 0 & 1 & \frac{1}{2} \\ -1 & -1 & \frac{1}{2} & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ -1 & 2 & -1 & -1 & 2 & \frac{5}{2} & -1 & -1 & -1 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
374	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{-2}{3} & 1 & 1 & 0 & \frac{-1}{2} \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ 0 & \frac{-1}{2} & 0 & 1 & \frac{3}{2} & \frac{-1}{2} & \frac{1}{3} & -1 & -1 & -1 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{6}$
375	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{-1}{2} & 1 & \frac{2}{3} & 1 & \frac{-1}{2} & 0 \\ 1 & 0 & 1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 \\ -1 & -1 & 0 & -1 & -1 & 1 & \frac{4}{3} & -1 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{6}$
376	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & \frac{2}{3} & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 1 & \frac{2}{3} & 0 \\ -1 & 3 & -1 & 2 & 0 & -1 & 2 & 0 & -1 & -1 & -1 & 1 \end{pmatrix}$	$\frac{1}{3}$

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	Polar Polytope	Gorenstein Index
377	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & \frac{1}{2} & 1 & 0 \\ -1 & \frac{5}{2} & -1 & \frac{-1}{2} & -1 & 1 & 2 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
378	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 1 \\ 2 & \frac{2}{3} & 2 & 0 & 0 & -1 & -1 & -1 & 0 & \frac{-2}{3} & 0 \\ -1 & -1 & 0 & 2 & 1 & 1 & 2 & 0 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{3}$
379	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{3} & 1 & 0 & 0 \\ -1 & -1 & 2 & 2 & -1 & -1 & -1 & 0 & 1 & 0 \\ -1 & 0 & -1 & 0 & -1 & 0 & \frac{4}{3} & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{3}$
380	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 & 1 & 0 & \frac{-2}{3} \\ -1 & -1 & 0 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{4}{3} \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & 0 & 0 & \frac{1}{3} \end{pmatrix}$	$\frac{1}{6}$
381	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 0 & \frac{1}{2} \\ -1 & -1 & \frac{3}{2} & 0 & -1 & -1 & -1 & 0 & 1 & 0 & \frac{1}{2} \\ -1 & 3 & -1 & 2 & -1 & 2 & 0 & -1 & -1 & 1 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
382	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{2}{3} & 0 & \frac{-1}{2} & 1 & 1 & 0 \\ 2 & \frac{3}{2} & 2 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 2 & \frac{5}{2} & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
383	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 0 \\ -1 & -1 & 2 & 2 & -1 & -1 & -1 & \frac{-1}{2} & 1 & 0 \\ -1 & 3 & -1 & 0 & -1 & 2 & 0 & -1 & -1 & 1 \end{pmatrix}$	$\frac{1}{2}$
384	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & \frac{2}{3} & 0 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & -1 & 1 & \frac{4}{3} & 1 & 0 \\ -1 & 2 & -1 & 0 & -1 & 1 & 2 & -1 & -1 & -1 & 1 \end{pmatrix}$	$\frac{1}{3}$
385	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & -1 & 2 & 0 & 1 \\ -1 & \frac{3}{2} & -1 & 1 & -1 & \frac{1}{2} & 0 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
386	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & \frac{2}{3} & 0 & 0 & 1 \\ -1 & -1 & 2 & -1 & -1 & -1 & -1 & 2 & 1 & 0 \\ 2 & \frac{1}{2} & -1 & 1 & 2 & 0 & \frac{-1}{3} & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
387	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & 0 & \frac{1}{2} & 1 & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & -1 & 2 & \frac{3}{2} & 0 & 1 \\ \frac{-1}{2} & \frac{1}{2} & -1 & -1 & 1 & \frac{4}{3} & \frac{1}{2} & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
388	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 1 \\ \frac{1}{2} & 3 & \frac{-1}{2} & 1 & 0 & 0 & \frac{-3}{2} & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
389	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & \frac{1}{2} & 1 \\ -1 & -1 & 4 & 0 & -1 & -1 & -1 & \frac{-1}{2} & 0 \\ 3 & 1 & -2 & 0 & 0 & 1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{2}$
390	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{2}{3} & 1 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 2 & 0 & 1 \\ 3 & 1 & 0 & 0 & 0 & \frac{-1}{3} & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{3}$
391	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 2 & 0 & 1 \\ \frac{1}{2} & 3 & 0 & 0 & 0 & 0 & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
392	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{-1}{2} & 1 & \frac{-1}{2} \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & 1 & 1 \\ 1 & 0 & 1 & -1 & -1 & 1 & 1 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
393	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 1 & 0 & 1 \\ -1 & 1 & -1 & \frac{1}{2} & 1 & -1 & \frac{1}{2} & 1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
394	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 1 & 0 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \\ -1 & 2 & -1 & 1 & 2 & 0 & -1 & 0 & -1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{2}$
395	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & \frac{2}{3} \\ -1 & -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & 1 & 0 & 0 & \frac{-1}{3} \\ -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & 0 & -1 & -1 & 0 & \frac{2}{3} \end{pmatrix}$	$\frac{1}{6}$
396	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 \\ -1 & -1 & 1 & \frac{-1}{2} & 1 & -1 & -1 & 1 & \frac{1}{2} & 0 \\ 3 & 0 & -1 & -1 & 1 & 2 & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
397	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{3} & 1 & \frac{1}{2} & \frac{-1}{2} & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ -1 & 0 & -1 & 0 & -1 & 0 & \frac{4}{3} & -1 & -1 & \frac{1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
398	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \\ -1 & \frac{3}{2} & -1 & \frac{1}{2} & 0 & -1 & \frac{1}{2} & -1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
399	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 & 1 & 0 & 0 \\ -1 & -1 & 2 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & 0 \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
400	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 \\ -1 & -1 & \frac{3}{2} & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 0 \\ -1 & 2 & -1 & 0 & -1 & 1 & 2 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
401	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & 1 & 2 & 0 & 0 & 1 \\ \frac{3}{2} & \frac{1}{2} & -1 & 1 & \frac{1}{2} & \frac{-1}{2} & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
402	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ \frac{1}{2} & 3 & 0 & 1 & 0 & 0 & 1 & 0 & \frac{-3}{2} & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
403	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 \\ \frac{1}{2} & 1 & \frac{-1}{2} & 1 & 0 & 1 & 0 & \frac{-3}{2} & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
404	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ -1 & 0 & 2 & 1 & -1 & -1 & -1 & 2 \\ 1 & 0 & 0 & 1 & \frac{-1}{2} & 0 & 1 & -2 \end{pmatrix}$	$\frac{1}{2}$
405	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 2 & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 & \frac{3}{2} & 2 \\ 3 & 1 & 0 & \frac{1}{2} & 0 & \frac{-1}{2} & 0 & 1 & -1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{2}$
406	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & \frac{1}{2} & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & 1 & 0 & \frac{1}{2} & 0 \\ -1 & 2 & -1 & 1 & 2 & -1 & -1 & -1 & \frac{-1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
407	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{-1}{2} & 1 & 1 & \frac{1}{2} & 1 & 0 \\ -1 & -1 & 0 & \frac{1}{2} & -1 & -1 & -1 & 1 & 1 & 0 & 1 \\ 2 & 0 & 2 & \frac{3}{2} & -1 & -1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
408	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & \frac{-1}{2} & \frac{1}{3} \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 0 & 1 & \frac{-2}{3} \\ -1 & 0 & -1 & 0 & -1 & 1 & -1 & -1 & 0 & \frac{1}{2} & \frac{4}{3} \end{pmatrix}$	$\frac{1}{6}$
409	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 & \frac{2}{3} & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 \\ 3 & 1 & \frac{-1}{2} & 0 & 1 & \frac{-1}{2} & 0 & 2 & 0 & -1 & \frac{-4}{3} & 0 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
410	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & \frac{1}{2} & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 0 \\ -1 & 1 & -1 & 1 & -1 & 1 & 0 & -1 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
411	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 1 & 0 \\ -1 & 2 & -1 & 0 & -1 & 0 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
412	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 \\ -1 & \frac{3}{2} & -1 & \frac{1}{2} & -1 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
413	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 1 & 0 & 1 & 0 \\ 2 & \frac{1}{2} & 1 & 2 & \frac{-1}{2} & 0 & \frac{-1}{2} & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
414	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 0 \\ -1 & 3 & -1 & 2 & 0 & -1 & 2 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
415	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & 0 & 1 & 1 \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & 1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
416	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & \frac{1}{2} & 1 & 1 & 0 \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & -1 & -1 & \frac{-1}{2} & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 2 & \frac{3}{2} & 0 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
417	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & 1 & -1 & 1 & -1 & 1 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
418	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 1 & 0 \\ 1 & 0 & -1 & -1 & 1 & 1 & 0 & -1 & -1 \end{pmatrix}$	1
419	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 & 0 & 1 & 0 & \frac{-1}{2} \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & -1 & 0 & 0 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
420	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & \frac{1}{2} & 0 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 0 & 1 & 1 & 0 \\ -1 & 2 & -1 & 1 & 2 & -1 & 0 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
421	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & 0 & 1 & \frac{-1}{2} \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 1 & 1 \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & 1 & -1 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
422	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & 2 & -1 & 1 & 2 & -1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
423	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 0 & 1 & 0 \\ -1 & 3 & -1 & 2 & 0 & -1 & 1 & -1 & -1 & 0 \end{pmatrix}$	1
424	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 1 & 1 & 0 \\ 2 & 0 & 1 & 2 & 0 & -1 & -1 & 0 & -1 & -1 & 0 \end{pmatrix}$	1
425	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & 1 & 0 & 0 \\ -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & 0 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
426	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & \frac{1}{2} & 1 & 0 & 1 & \frac{-1}{2} & \frac{1}{2} \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & 0 & -1 & 0 & \frac{1}{2} & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
427	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 1 \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & -1 & 0 & 0 \\ -1 & -1 & 0 & 2 & -1 & -1 & 0 & 1 & -1 & 0 \end{pmatrix}$	1
428	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 \\ 0 & \frac{3}{2} & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 \\ -1 & -1 & 2 & -1 & -1 & 1 & 2 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
429	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 1 & 0 & 1 \\ 3 & 1 & \frac{-1}{2} & 0 & 1 & 0 & 1 & 0 & \frac{-3}{2} & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
430	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & -1 & 2 & 0 \\ 3 & 1 & 0 & 0 & 0 & 1 & 0 & -2 & -1 \end{pmatrix}$	1
431	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 1 & 0 & 0 \\ -1 & 2 & -1 & 1 & 2 & -1 & 1 & -1 & -1 & 0 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
432	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & 1 & 0 & 1 \\ -1 & 2 & -1 & 2 & -1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
433	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 \\ 1 & 0 & 0 & 1 & -1 & -1 & -1 & -1 & \frac{1}{2} & 1 & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & 1 & 2 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
434	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 1 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 1 & 0 \\ -1 & -1 & 1 & 2 & -1 & -1 & 0 & 1 & -1 & 0 \end{pmatrix}$	1
435	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & \frac{1}{2} \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 0 & \frac{-1}{2} \\ -1 & 1 & -1 & 1 & -1 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
436	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 0 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 \\ -1 & 1 & -1 & 1 & -1 & 1 & 0 & -1 & -1 & 1 & 0 \end{pmatrix}$	1

The Fano polytopes in $\mathbb{Z}^3$ with 9 vertices.

	Polar Polytope	Gorenstein Index
437	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 0 & 1 & 1 & 0 & \frac{-2}{3} & 0 & 1 \\ 1 & 0 & 0 & 1 & -1 & -1 & -1 & \frac{1}{2} & 0 & 1 & \frac{-1}{3} & 0 & \frac{1}{3} \\ -1 & -1 & 2 & 0 & -1 & -1 & 0 & -1 & -1 & -1 & 2 & 1 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{6}$
438	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & 1 & 1 & \frac{-2}{3} & \frac{1}{2} & 0 & \frac{1}{3} \\ 1 & 0 & 1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & \frac{-1}{2} & 0 & \frac{-2}{3} \\ -1 & -1 & 0 & -1 & -1 & 0 & -1 & -1 & 0 & \frac{2}{3} & 1 & 1 & 1 \end{pmatrix}$	$\frac{1}{6}$
439	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{-1}{2} & 1 & 0 & 1 & \frac{2}{3} & \frac{1}{2} & 0 \\ -1 & -1 & 0 & \frac{1}{2} & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 \\ 2 & 0 & 2 & \frac{3}{2} & -1 & -1 & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
440	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 & 1 & 0 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 0 & \frac{2}{3} & \frac{1}{2} & 1 & 0 \\ 2 & \frac{-1}{2} & 1 & 2 & \frac{1}{2} & -1 & -1 & -1 & \frac{-2}{3} & \frac{-1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
441	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & 1 & 1 & \frac{-1}{2} & \frac{2}{5} & 0 \\ 1 & 0 & 1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & \frac{-3}{5} & 0 \\ -1 & -1 & 0 & -1 & -1 & 0 & -1 & -1 & 0 & \frac{1}{2} & \frac{6}{5} & 1 \end{pmatrix}$	$\frac{1}{10}$
442	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 & \frac{2}{3} & 0 \\ -1 & -1 & 1 & 1 & \frac{1}{3} & -1 & -1 & 0 & \frac{1}{2} & 1 & 0 & \frac{-1}{3} & 0 \\ -1 & 0 & -1 & 0 & \frac{4}{3} & -1 & 0 & -1 & -1 & -1 & 0 & \frac{2}{3} & 1 \end{pmatrix}$	$\frac{1}{6}$
443	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \\ -1 & -1 & 1 & 0 & \frac{-1}{2} & 1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 0 & \frac{1}{3} \\ -1 & 2 & -1 & 2 & \frac{5}{2} & 0 & -1 & 0 & -1 & -1 & -1 & 1 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{6}$
444	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{1}{2} & 0 & 1 & 1 & 0 & \frac{-2}{3} & 1 & \frac{1}{2} & \frac{-1}{3} \\ 0 & \frac{1}{2} & 0 & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{-1}{3} & 0 & 1 & \frac{-2}{3} \\ -1 & -1 & 0 & 2 & \frac{3}{2} & 1 & -1 & -1 & -1 & -1 & 0 & \frac{-1}{2} & 2 \end{pmatrix}$	$\frac{1}{6}$
445	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{1}{3} & \frac{-2}{3} & 1 & \frac{1}{2} & 0 & \frac{-1}{2} & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 0 \\ 0 & \frac{-1}{2} & 0 & 0 & \frac{-1}{2} & \frac{4}{3} & \frac{1}{3} & -1 & -1 & -1 & \frac{1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
446	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 & \frac{2}{3} \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{2}{3} \\ -1 & \frac{3}{2} & -1 & \frac{1}{2} & 0 & -1 & \frac{1}{2} & 0 & -1 & 0 & 0 & \frac{-1}{3} \end{pmatrix}$	$\frac{1}{6}$
447	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 & 1 & 0 \\ 2 & \frac{2}{3} & 2 & 0 & 0 & -1 & -1 & -1 & \frac{-1}{2} & \frac{-2}{3} & 1 \\ -1 & -1 & 0 & 2 & 1 & 2 & \frac{3}{2} & 0 & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{6}$
448	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{2}{3} & 1 & \frac{-2}{3} & 0 & \frac{1}{2} & 1 & 0 & 0 & \frac{-1}{2} \\ -1 & -1 & 0 & -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 0 & 1 & 1 & \frac{3}{2} \\ 2 & \frac{3}{2} & 1 & -1 & -1 & \frac{-1}{2} & 2 & -1 & -1 & -1 & -1 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{6}$
449	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 2 & \frac{3}{2} & 1 & 1 & 0 & \frac{3}{2} & \frac{-1}{2} \\ \frac{4}{3} & \frac{2}{3} & 0 & \frac{1}{2} & 0 & -1 & -1 & -1 & 0 & 0 & \frac{-1}{2} & \frac{-1}{2} \\ -1 & -1 & 2 & \frac{3}{2} & 1 & -1 & -1 & 0 & -1 & 1 & \frac{-1}{2} & \frac{3}{2} \end{pmatrix}$	$\frac{1}{6}$
450	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 & 0 & \frac{3}{4} & 0 \\ -1 & -1 & 1 & 0 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & \frac{3}{4} & 0 \\ 3 & 1 & \frac{-1}{2} & 0 & 2 & 0 & \frac{-1}{2} & 0 & 2 & 0 & -1 & -1 & \frac{-5}{4} & 1 \end{pmatrix}$	$\frac{1}{4}$
451	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{2}{3} & 1 & 1 & 1 & 0 \\ -1 & -1 & 2 & \frac{-1}{2} & 1 & -1 & -1 & 0 & 1 & \frac{3}{2} & 2 \\ 3 & 1 & 0 & \frac{1}{2} & 0 & 0 & \frac{-1}{3} & -1 & -1 & \frac{-3}{2} & -1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
452	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 1 & 0 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \\ -1 & 2 & -1 & 1 & 2 & 0 & -1 & 1 & -1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{2}$
453	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 0 & 1 & 1 & 1 & 0 & \frac{-1}{2} \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & 1 & 0 & \frac{1}{2} & 0 & \frac{-1}{2} \\ -1 & -1 & 1 & 2 & -1 & -1 & 0 & -1 & -1 & \frac{-1}{2} & 1 & \frac{3}{2} \end{pmatrix}$	$\frac{1}{2}$
454	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & \frac{1}{2} & \frac{-1}{3} & 1 & 0 \\ 0 & \frac{1}{2} & 0 & -1 & -1 & -1 & -1 & 1 & 1 & \frac{-2}{3} & 0 & 1 \\ 2 & \frac{3}{2} & 1 & -1 & -1 & 0 & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$
455	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{1}{2} & 0 & 0 & 1 & 1 & \frac{-1}{2} \\ 2 & 2 & 1 & -1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & \frac{-1}{2} \\ -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & 1 & 0 & -1 & 0 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
456	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 0 & 0 & -1 & -1 & 1 & 2 & 0 & 1 & 0 & 1 \\ \frac{3}{2} & \frac{1}{2} & 0 & 1 & 0 & \frac{1}{2} & \frac{-1}{2} & -1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
457	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 & 1 & 0 & 0 \\ 1 & \frac{-1}{2} & 1 & \frac{1}{2} & -1 & -1 & -1 & 0 & 1 & 0 & \frac{-2}{3} & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 0 & -1 & -1 & 0 & \frac{2}{3} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
458	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & \frac{2}{3} \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 1 & 0 & 1 \\ 1 & 0 & -1 & -1 & 1 & 1 & \frac{1}{2} & 0 & -1 & 0 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{6}$
459	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & 1 & \frac{1}{2} & 1 & 0 & \frac{1}{2} & \frac{-2}{3} \\ -1 & -1 & 0 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & \frac{-1}{2} & \frac{2}{3} \\ 1 & 0 & 1 & -1 & -1 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	$\frac{1}{6}$
460	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{-1}{2} & \frac{1}{2} & 1 & \frac{-1}{2} & \frac{1}{2} & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ 1 & 0 & 1 & -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
461	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 0 \\ 1 & \frac{2}{3} & 1 & 0 & 0 & -1 & -1 & -1 & 0 & \frac{-2}{3} & 1 & 0 & 1 \\ -1 & -1 & 1 & 2 & 1 & 1 & 2 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{3}$
462	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & 0 & -1 & 0 & 1 & 0 & 1 \\ 2 & 0 & -1 & -1 & 1 & 2 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
463	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \\ -1 & 2 & -1 & 1 & 2 & 0 & -1 & 0 & -1 & 0 & 0 \end{pmatrix}$	1
464	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{3} & 1 & 0 & 0 & \frac{-1}{2} & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ -1 & 0 & -1 & 0 & -1 & 0 & \frac{4}{3} & -1 & -1 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{6}$
465	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{-1}{2} & 1 & \frac{2}{3} & 1 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ 1 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 0 & -1 & -1 & 1 & \frac{4}{3} & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{6}$
466	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 & 1 \\ 1 & \frac{2}{3} & 0 & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 & \frac{-2}{3} & 1 & 0 \\ -1 & -1 & 2 & \frac{5}{2} & 0 & 1 & 2 & 0 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
467	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 0 & \frac{1}{2} \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & \frac{1}{2} \\ -1 & 3 & -1 & 2 & 0 & -1 & 2 & 0 & -1 & -1 & 1 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
468	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 1 & 1 & 0 \\ 1 & 2 & 0 & 0 & -1 & -1 & 0 & 1 & -1 & -1 & 0 \end{pmatrix}$	1
469	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 & 0 & 1 \\ 2 & 0 & -1 & 2 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
470	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 1 & 0 & 0 & 1 \\ 0 & \frac{3}{2} & -1 & -1 & \frac{1}{2} & 0 & 1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
471	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 1 & 1 & 0 \\ 0 & 1 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \\ -1 & 1 & 2 & 0 & -1 & -1 & 0 & 1 & -1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{2}$
472	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 1 & 0 & 0 \\ -1 & -1 & 1 & \frac{1}{2} & 1 & -1 & -1 & -1 & 0 & 0 & \frac{2}{3} & 1 & 0 \\ 0 & \frac{-1}{2} & 1 & \frac{3}{2} & \frac{1}{2} & -1 & -1 & 0 & -1 & 0 & \frac{-2}{3} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
473	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 1 & 0 \\ 1 & \frac{1}{2} & 1 & \frac{-2}{3} & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 0 \\ 1 & \frac{3}{2} & \frac{-1}{2} & \frac{1}{3} & 0 & \frac{-1}{2} & 0 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
474	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & \frac{-2}{3} & 1 & \frac{-1}{2} & 1 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 \\ 0 & \frac{1}{2} & 1 & -1 & -1 & 0 & 1 & \frac{4}{3} & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$
475	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \\ -1 & \frac{3}{2} & -1 & \frac{1}{2} & 0 & -1 & 0 & 1 & -1 & 0 & \frac{-1}{2} & 0 \end{pmatrix}$	$\frac{1}{2}$
476	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & \frac{1}{2} & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 0 & 1 & 1 \\ -1 & 2 & -1 & 1 & 2 & -1 & \frac{-1}{2} & 1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
477	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & \frac{1}{2} & 0 & 0 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ 2 & \frac{1}{2} & 1 & 2 & \frac{-1}{2} & 0 & \frac{-1}{2} & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
478	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 0 & \frac{-1}{2} & 0 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 1 \\ 3 & 0 & -1 & -1 & 2 & 2 & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
479	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & 0 & \frac{2}{3} \\ -1 & -1 & 0 & 1 & \frac{1}{2} & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 & \frac{-1}{3} \\ -1 & 0 & -1 & 1 & \frac{3}{2} & 0 & -1 & 0 & -1 & 0 & \frac{-1}{2} & 0 & \frac{2}{3} \end{pmatrix}$	$\frac{1}{6}$
480	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & 1 & 0 & 1 & \frac{1}{2} \\ -1 & -1 & \frac{-1}{2} & \frac{1}{2} & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 1 \\ 0 & 2 & -1 & -1 & 2 & \frac{5}{2} & 1 & -1 & -1 & -1 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
481	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & \frac{1}{3} & 1 & \frac{1}{2} & \frac{-1}{2} & 0 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & 0 & 1 & \frac{4}{3} & -1 & -1 & \frac{1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
482	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & \frac{2}{3} & 0 & 1 & \frac{-1}{2} & 0 \\ 1 & 0 & 1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 \\ -1 & -1 & 0 & -1 & -1 & 1 & \frac{4}{3} & 0 & -1 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{6}$
483	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 & 0 & \frac{2}{3} & 0 \\ 1 & 0 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & \frac{2}{3} & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & 2 & 0 & -1 & -1 & -1 & 1 \end{pmatrix}$	$\frac{1}{3}$
484	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 \\ 2 & 0 & 2 & 0 & -1 & -1 & -1 & 0 & 0 \\ -1 & -1 & 0 & 2 & 0 & 1 & 0 & -1 & 0 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
485	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 1 & 0 \\ 0 & 0 & \frac{3}{2} & -1 & -1 & -1 & -1 & 0 & 0 & 1 \\ -1 & 2 & \frac{1}{2} & -1 & -1 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
486	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & 0 & 1 & 1 & 0 & \frac{-2}{3} \\ 0 & 0 & 1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{4}{3} \\ -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & 1 & -1 & 0 & 0 & \frac{1}{3} \end{pmatrix}$	$\frac{1}{6}$
487	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 & 1 \\ \frac{3}{2} & \frac{2}{3} & 0 & 0 & -1 & -1 & -1 & 0 & \frac{-2}{3} & 1 & 0 \\ -1 & -1 & 2 & 1 & 1 & 2 & 0 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
488	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 1 \\ -1 & -1 & 2 & 1 & -1 & -1 & -1 & 1 & 2 & 0 & 0 \\ \frac{1}{2} & \frac{4}{3} & -1 & 0 & \frac{1}{2} & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
489	$\begin{pmatrix} -1 & -1 & -1 & 0 & 0 & 1 & 0 & 1 & 0 & 1 & \frac{3}{2} & \frac{-1}{2} \\ 2 & 0 & 0 & -1 & -1 & -1 & 1 & 0 & 0 & 0 & \frac{-1}{2} & \frac{-1}{2} \\ 0 & 2 & 0 & 1 & 0 & 0 & -1 & -1 & -1 & 0 & \frac{-1}{2} & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
490	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 \\ \frac{1}{2} & \frac{3}{2} & 0 & \frac{1}{2} & 0 & 0 & \frac{1}{2} & 0 & \frac{-3}{2} & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
491	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 & 0 & 1 \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & 1 & 0 & 1 & 1 \\ \frac{1}{2} & 3 & 0 & 1 & 0 & 0 & 0 & \frac{-3}{2} & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
492	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 & 1 \\ -1 & -1 & 0 & 2 & -1 & -1 & 2 & 0 & 1 \\ 3 & 1 & 0 & 0 & 0 & 0 & -2 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
493	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & 1 & 1 & -1 & -1 & 0 & 1 & 0 & 1 \\ 1 & -1 & 1 & -1 & 1 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
494	$\begin{pmatrix} -1 & -1 & -1 & 0 & 0 & 1 & 1 & \frac{1}{2} & 1 & \frac{1}{2} \\ -1 & 1 & 1 & -1 & -1 & 1 & 0 & \frac{-1}{2} & 0 & \frac{-1}{2} \\ 1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
495	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & 0 & \frac{2}{3} \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 1 & 0 & 0 & 0 & \frac{-1}{3} \\ -1 & 0 & -1 & 1 & 1 & -1 & 0 & -1 & -1 & 0 & 1 & \frac{2}{3} \end{pmatrix}$	$\frac{1}{3}$

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	Polar Polytope	Gorenstein Index
496	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & 1 & \frac{-1}{2} & \frac{1}{3} & 1 & \frac{1}{2} \\ 1 & 1 & 0 & -1 & -1 & -1 & 1 & 0 & 1 & \frac{-2}{3} & 0 & \frac{-1}{2} \\ 1 & 0 & 1 & 1 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
497	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & \frac{1}{2} \\ -1 & -1 & 1 & \frac{-1}{2} & 1 & -1 & 1 & \frac{1}{2} & 0 & \frac{-1}{2} \\ 1 & 0 & -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
498	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{-1}{2} & 0 & 1 & \frac{-1}{2} & 1 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 \\ 0 & \frac{1}{2} & 1 & -1 & -1 & \frac{1}{2} & 1 & 1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
499	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ -1 & 2 & -1 & 0 & -1 & 0 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
500	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 1 & 1 & 0 & \frac{-1}{2} \\ -1 & -1 & 0 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & 0 & 0 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
501	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & \frac{2}{3} & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 \\ 2 & 0 & 1 & 2 & 0 & -1 & -1 & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
502	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & 0 & \frac{1}{2} \\ -1 & -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & 1 & 0 & 0 & 0 & \frac{-1}{2} \\ -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & 0 & -1 & -1 & 0 & 1 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
503	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & \frac{-1}{2} & \frac{1}{3} & 1 \\ -1 & 1 & 0 & 1 & -1 & -1 & 1 & 0 & 1 & \frac{-2}{3} & 0 \\ 2 & 1 & 2 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{6}$
504	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & 1 & \frac{1}{2} & 1 & 0 \\ -1 & -1 & 0 & \frac{1}{2} & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ 2 & 0 & 2 & \frac{3}{2} & -1 & -1 & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
505	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 1 & 0 & \frac{1}{2} & 0 \\ -1 & 2 & -1 & 1 & 2 & -1 & 0 & -1 & -1 & \frac{-1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
506	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 1 & 0 & 0 & \frac{-1}{2} \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & \frac{-1}{2} \\ -1 & -1 & 0 & 1 & -1 & -1 & 0 & 1 & -1 & 0 & 0 & 1 & \frac{3}{2} \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
507	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 \\ 2 & \frac{1}{2} & 0 & \frac{-1}{2} & 0 & \frac{-1}{2} & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
508	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 1 & 0 & 1 \\ -1 & \frac{3}{2} & -1 & 0 & 1 & -1 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
509	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 & 0 & \frac{-2}{3} \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & \frac{1}{3} \\ -1 & 0 & -1 & 1 & -1 & 0 & -1 & -1 & 0 & 0 & 1 & \frac{4}{3} \end{pmatrix}$	$\frac{1}{3}$
510	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & \frac{1}{2} & 0 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ -1 & 2 & -1 & 2 & -1 & 0 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
511	$\begin{pmatrix} -1 & -1 & -1 & -1 & \frac{1}{2} & 1 & 1 & 0 & 1 & 0 & 0 \\ -1 & -1 & 0 & 0 & -1 & 1 & 0 & 1 & \frac{1}{2} & 1 & 0 \\ -1 & 2 & -1 & 2 & -1 & -1 & -1 & -1 & \frac{-1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
512	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ \frac{3}{2} & \frac{1}{2} & \frac{1}{2} & \frac{-1}{2} & 0 & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
513	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 0 & 1 & 1 \\ 2 & 2 & 0 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 0 \\ -1 & 0 & 2 & 1 & -1 & -1 & 0 & 1 & 0 & -1 & 0 \end{pmatrix}$	$\frac{1}{2}$
514	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 & 0 & \frac{1}{2} & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & \frac{1}{2} & 0 \\ -1 & 1 & -1 & 1 & 0 & -1 & 1 & 0 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
515	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 & \frac{1}{2} & \frac{-1}{2} \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & \frac{-1}{2} & \frac{1}{2} \\ -1 & 1 & -1 & 1 & -1 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	$\frac{1}{2}$
516	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 & \frac{1}{2} & 0 \\ -1 & -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & 0 & \frac{1}{2} & 1 & 0 & \frac{-1}{2} & 0 \\ -1 & 1 & -1 & 0 & 1 & -1 & 1 & -1 & -1 & -1 & 0 & 1 & 1 \end{pmatrix}$	$\frac{1}{2}$
517	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 \\ 2 & 0 & 1 & 2 & 0 & -1 & -1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
518	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ -1 & 0 & -1 & 1 & \frac{3}{2} & -1 & 0 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
519	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 1 & 0 & \frac{-1}{2} & 1 & 0 \\ -1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 \\ 2 & 1 & 2 & 0 & -1 & -1 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
520	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 0 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 0 & 1 & 1 & 0 \\ -1 & 2 & -1 & 1 & 2 & -1 & 0 & -1 & -1 & 0 & 1 \end{pmatrix}$	1
521	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 \\ -1 & 2 & -1 & 0 & -1 & 1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
522	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 1 & 0 \\ 1 & 0 & 1 & \frac{1}{2} & 0 & -1 & -1 & -1 & -1 & 1 & 0 & 0 \\ -1 & -1 & 1 & \frac{3}{2} & 1 & -1 & -1 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
523	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & \frac{1}{2} & 0 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 1 & 2 & -1 & -1 & 0 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
524	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & \frac{1}{2} & 1 & 0 & 0 & 1 & \frac{-1}{2} & \frac{1}{2} \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ -1 & -1 & 0 & 0 & -1 & 1 & \frac{3}{2} & 0 & 1 & -1 & 0 & \frac{1}{2} & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
525	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 1 & 0 & 1 \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ 3 & 1 & 0 & 1 & 0 & 0 & 1 & 0 & \frac{-3}{2} & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
526	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & 0 & \frac{1}{2} \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 & \frac{-1}{2} \\ -1 & 1 & -1 & 1 & 0 & -1 & 1 & -1 & 0 & \frac{-1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
527	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 1 & 2 & -1 & -1 & 0 & 1 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
528	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & 0 & 1 & 0 & 1 & 0 & \frac{-1}{2} \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
529	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ -1 & 1 & -1 & 1 & -1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
530	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{-1}{2} & 1 & 0 & \frac{-1}{2} & 1 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 \\ 1 & 0 & 1 & -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
531	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & 0 & 1 & 0 & 0 \\ -1 & 1 & -1 & 0 & 1 & -1 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
532	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 \end{pmatrix}$	1
533	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 \\ 1 & \frac{1}{2} & 1 & \frac{-1}{2} & -1 & -1 & -1 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & 1 & 0 & 1 & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
534	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & 0 & -1 & -1 & -1 & 1 & 0 & 0 & 1 \\ 1 & 0 & -1 & -1 & \frac{1}{2} & 1 & 0 & \frac{1}{2} & 1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
535	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & \frac{1}{2} & 1 & 0 & 1 & 0 & \frac{-1}{2} \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 \\ -1 & 0 & -1 & 0 & -1 & 1 & \frac{3}{2} & 0 & -1 & 0 & 0 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
536	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 1 & 0 & 1 & 0 \\ 2 & 0 & 1 & 2 & 0 & -1 & 1 & -1 & -1 & -1 & 0 \end{pmatrix}$	1
537	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 1 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
538	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 & 0 \\ -1 & 0 & -1 & 0 & -1 & 1 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
539	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & \frac{1}{2} \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 1 & 0 & 0 & \frac{-1}{2} \\ 1 & 0 & -1 & -1 & 1 & 1 & 0 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
540	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 0 & 1 & 0 & 1 \\ 1 & 0 & -1 & -1 & 1 & 1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
541	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 \\ -1 & 1 & -1 & 1 & -1 & 1 & 0 & -1 & 0 & 0 \end{pmatrix}$	1
542	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 1 & 0 & 0 & \frac{-1}{2} \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & 0 & 1 & 1 & \frac{1}{2} \\ 1 & 0 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
543	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 \\ 1 & 0 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & 0 \\ -1 & -1 & 2 & 0 & -1 & -1 & 1 & 2 & -1 & -1 & 0 \end{pmatrix}$	1

The Fano polytopes in $\mathbb{Z}^3$ with 10 vertices.

	Polar Polytope	Gorenstein Index
544	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & \frac{1}{2} & 1 \\ -1 & -1 & 0 & \frac{-1}{2} & 1 & 1 & -1 & 0 & 0 & \frac{1}{2} & 1 & \frac{-1}{2} & \frac{1}{3} \\ 1 & 0 & -1 & -1 & 1 & 0 & 1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & \frac{-2}{3} \end{pmatrix}$	$\frac{1}{6}$
545	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 & \frac{2}{3} \\ -1 & -1 & 1 & 1 & 0 & \frac{1}{2} & -1 & -1 & 0 & \frac{1}{2} & 1 & 0 & 0 & \frac{-1}{3} \\ -1 & 0 & -1 & 0 & 1 & 1 & -1 & 0 & -1 & -1 & -1 & 0 & 1 & \frac{2}{3} \end{pmatrix}$	$\frac{1}{6}$
546	$\begin{pmatrix} -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & \frac{1}{2} & \frac{-1}{2} & 1 & 0 & \frac{1}{2} & \frac{-1}{2} \\ -1 & 0 & 0 & -1 & -1 & 1 & 0 & 1 & \frac{-1}{2} & \frac{1}{2} & 0 & 1 & \frac{-1}{2} & \frac{1}{2} \\ 1 & 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	$\frac{1}{2}$
547	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 & \frac{1}{2} & \frac{-1}{2} \\ -1 & -1 & 0 & \frac{-1}{2} & 0 & -1 & 1 & \frac{1}{2} & 1 & 0 & 1 & \frac{-1}{2} & \frac{1}{2} \\ 1 & 0 & -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	$\frac{1}{2}$
548	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & 0 & \frac{-1}{2} & \frac{1}{2} & 0 \\ -1 & -1 & 0 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 & 1 & \frac{-1}{2} & 0 \\ -1 & 0 & -1 & 0 & -1 & 1 & -1 & 0 & \frac{-1}{2} & 0 & \frac{1}{2} & 1 & 1 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
549	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 & 1 & \frac{-1}{2} & 0 & \frac{1}{3} & 1 & \frac{1}{2} & 0 \\ 1 & 0 & \frac{1}{2} & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 & \frac{-2}{3} & 0 & \frac{-1}{2} & 0 \\ 0 & 1 & 1 & 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 \end{pmatrix}$	$\frac{1}{6}$
550	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 1 & 0 & 1 \\ 1 & \frac{2}{3} & 0 & 1 & 0 & -1 & -1 & -1 & 0 & \frac{-2}{3} & 1 & 0 \\ -1 & -1 & 2 & 0 & 1 & 1 & 2 & 0 & -1 & -1 & -1 & 0 \end{pmatrix}$	$\frac{1}{3}$
551	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ \frac{3}{2} & \frac{1}{2} & \frac{1}{2} & \frac{-1}{2} & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
552	$\begin{pmatrix} -1 & -1 & -1 & 0 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & 0 & \frac{3}{2} & \frac{-1}{2} & \frac{-1}{2} & \frac{-1}{2} \\ 0 & 0 & 1 & -1 & -1 & -1 & 1 & 0 & 0 & 0 & 1 & 0 & \frac{-1}{2} & \frac{3}{2} & \frac{-1}{2} & \frac{-1}{2} \\ 0 & 1 & 0 & 1 & 0 & 0 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{-1}{2} & \frac{-1}{2} & \frac{3}{2} & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
553	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & 1 & 1 & 0 & -1 & 1 & 1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
554	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{1}{2} & 0 & 1 & 1 & 0 & \frac{1}{2} \\ -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & 0 & \frac{-1}{2} & 0 & 0 & \frac{1}{2} & 1 & \frac{-1}{2} \\ 1 & 1 & 0 & \frac{-1}{2} & 1 & 0 & -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
555	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & 1 & 1 & 0 & 0 \\ 1 & 0 & 1 & \frac{1}{2} & 0 & -1 & -1 & -1 & 0 & 1 & 0 & \frac{-2}{3} & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 0 & -1 & -1 & 0 & \frac{2}{3} & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
556	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ -1 & 1 & -1 & 0 & 1 & -1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
557	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 & \frac{1}{2} \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{1}{2} \\ -1 & 1 & -1 & 1 & 0 & -1 & 1 & 0 & -1 & 0 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
558	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{-1}{2} & \frac{1}{3} & 0 & \frac{-1}{2} & 0 & 1 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 \\ 1 & 0 & 1 & 1 & 0 & 1 & \frac{-2}{3} & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$
559	$\begin{pmatrix} -1 & -1 & -1 & 0 & \frac{-1}{2} & 1 & 1 & \frac{1}{2} & 0 & 1 & 0 & \frac{-2}{3} & 0 \\ 1 & 0 & 1 & -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 0 & -1 & -1 & 1 & 0 & 1 & -1 & 0 & 0 & \frac{2}{3} & 1 \end{pmatrix}$	$\frac{1}{6}$

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	Polar Polytope	Gorenstein Index
560	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & \frac{1}{2} & 1 & 0 & 0 & \frac{-1}{2} & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ -1 & 0 & -1 & 0 & -1 & 0 & 1 & 1 & -1 & -1 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
561	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{-1}{2} & 1 & \frac{1}{2} & 1 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ 1 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 0 & -1 & -1 & 1 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
562	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{-1}{2} & \frac{1}{2} & 1 & 0 & \frac{-1}{2} & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ 1 & 0 & 1 & -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
563	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & \frac{-1}{2} & 1 & 0 & \frac{-1}{2} & 1 & 0 \\ 1 & 0 & \frac{1}{2} & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
564	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 1 & \frac{1}{2} & 0 \\ -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & -1 & -1 & 0 & \frac{1}{2} & 1 & 0 & \frac{-1}{2} & 0 \\ 1 & 0 & -1 & -1 & 0 & 1 & 1 & 0 & -1 & -1 & -1 & 0 & 1 & 1 \end{pmatrix}$	$\frac{1}{2}$
565	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & \frac{1}{2} \\ -1 & -1 & 1 & 0 & 1 & -1 & 1 & \frac{1}{2} & 0 & 0 & \frac{-1}{2} \\ 1 & 0 & -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
566	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & \frac{-1}{2} \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & \frac{-1}{2} \\ 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
567	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 0 & 0 & \frac{-1}{3} \\ -1 & 0 & 0 & -1 & -1 & -1 & 1 & 0 & 1 & 1 & 0 & \frac{2}{3} \\ 0 & -1 & 0 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 1 & \frac{2}{3} \end{pmatrix}$	$\frac{1}{3}$
568	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 0 & \frac{-2}{3} & 0 & \frac{-1}{2} \\ 0 & \frac{-1}{2} & 0 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & \frac{1}{3} & 1 & \frac{1}{2} \\ 1 & 1 & 0 & 1 & 0 & 1 & -1 & -1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{6}$
569	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 0 & 1 & 0 & \frac{-1}{2} & \frac{2}{3} \\ -1 & -1 & 0 & 0 & -1 & 1 & \frac{1}{2} & 1 & 0 & 0 & 1 & \frac{1}{2} & \frac{-2}{3} \\ 1 & 0 & -1 & 1 & 1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 \end{pmatrix}$	$\frac{1}{6}$
570	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 1 & 0 \\ 1 & \frac{1}{2} & 1 & \frac{-1}{2} & 0 & -1 & -1 & -1 & 1 & 0 & 0 & 0 & 1 \\ -1 & -1 & \frac{1}{2} & 1 & 1 & 0 & \frac{1}{2} & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
571	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 1 & 2 & 0 & 1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
572	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 0 & 1 & 0 & \frac{-1}{2} & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 \\ 1 & 2 & 0 & 1 & -1 & -1 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
573	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & \frac{1}{3} & 1 & 0 & 0 & \frac{-1}{2} & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & 0 & 1 & \frac{4}{3} & -1 & -1 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{6}$
574	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & 0 & 1 & 1 & 0 & \frac{-1}{2} \\ 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 \\ -1 & 0 & 0 & -1 & -1 & 1 & \frac{3}{2} & 1 & -1 & 0 & 0 & \frac{1}{2} \end{pmatrix}$	$\frac{1}{2}$
575	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & \frac{1}{2} \\ 1 & 0 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & \frac{1}{2} \\ -1 & -1 & 2 & 0 & -1 & -1 & 2 & 0 & -1 & -1 & 1 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
576	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ \frac{1}{2} & \frac{3}{2} & 0 & \frac{-1}{2} & 1 & 0 & \frac{-1}{2} & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
577	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & -1 & -1 & 1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
578	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & \frac{-1}{2} & 1 & 0 & \frac{-1}{2} & 1 & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
579	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 \\ -1 & 1 & -1 & 1 & -1 & 0 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	1
580	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 \\ 1 & 0 & 1 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
581	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & 1 & 0 & \frac{-1}{2} & 1 & 0 \\ -1 & 0 & -1 & 1 & 1 & -1 & 0 & -1 & 0 & \frac{1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
582	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 1 & \frac{-1}{2} & \frac{1}{2} & 0 \\ -1 & 1 & 0 & 1 & -1 & -1 & 1 & 0 & 0 & 1 & \frac{-1}{2} & 0 \\ 0 & -1 & -1 & 0 & 1 & 0 & -1 & -1 & 0 & \frac{1}{2} & 1 & 1 \end{pmatrix}$	$\frac{1}{2}$
583	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 1 & 0 & 1 \\ 1 & \frac{1}{2} & 1 & 0 & 0 & 1 & 0 & 0 & -1 & -1 & -1 \end{pmatrix}$	$\frac{1}{2}$
584	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & \frac{1}{2} & 1 & 0 & \frac{1}{2} & 1 & -1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
585	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 0 & 1 & 0 \\ 1 & \frac{1}{2} & 1 & \frac{-1}{2} & \frac{1}{2} & -1 & -1 & -1 & 0 & \frac{1}{2} & 1 & 0 & 0 & 0 \\ -1 & -1 & 0 & 1 & 1 & 1 & 0 & 1 & -1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
586	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & 0 & \frac{-1}{2} \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 & \frac{-1}{2} \\ -1 & -1 & 0 & 1 & -1 & -1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 & \frac{3}{2} \end{pmatrix}$	$\frac{1}{2}$
587	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 1 & 2 & -1 & -1 & 0 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	1
588	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 \\ -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
589	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 1 & 0 & 1 \\ -1 & -1 & 1 & 1 & -1 & 1 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}$	1
590	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 1 & 0 & 0 \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 0 & 0 & 1 & 0 \\ -1 & 1 & -1 & 1 & 0 & -1 & 0 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
591	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & -1 & 1 & 0 & 0 & 1 \\ 1 & 0 & -1 & -1 & 1 & 1 & 0 & -1 & -1 & 0 & 0 \end{pmatrix}$	1
592	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ -1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 & 0 \\ 0 & -1 & -1 & 0 & 1 & 0 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$

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	Polar Polytope	Gorenstein Index
593	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 0 & 1 & 0 \\ 1 & \frac{1}{2} & 1 & \frac{-1}{2} & -1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 \\ -1 & -1 & 1 & 1 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
594	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 0 & 1 & \frac{1}{2} & -1 & -1 & 0 & 1 & 0 & 0 \\ 1 & 0 & -1 & -1 & 0 & 1 & 1 & 0 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
595	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 & \frac{1}{2} \\ -1 & -1 & 1 & 1 & -1 & -1 & 1 & 0 & 1 & 0 & 0 & \frac{-1}{2} \\ 1 & 0 & 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
596	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 \\ -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ 1 & -1 & 1 & -1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
597	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & \frac{1}{2} & 0 & 0 & 1 & 0 \\ -1 & 1 & 1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 \\ 1 & -1 & 1 & 1 & 0 & \frac{-1}{2} & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
598	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & \frac{-1}{2} & 1 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 & 0 \\ -1 & 0 & 0 & -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
599	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
600	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & 1 & 1 & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
601	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 0 & 1 & 0 & \frac{-1}{2} & 1 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 \\ 1 & 0 & 1 & -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
602	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & \frac{1}{2} & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 0 \\ -1 & -1 & 0 & 1 & 1 & -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$

The Fano polytopes in $\mathbb{Z}^3$ with 11 vertices.

	Polar Polytope	Gorenstein Index
603	$\begin{pmatrix} -1 & -1 & -1 & 0 & 0 & \frac{-1}{2} & 1 & \frac{1}{2} & 0 & 1 & 1 & 0 & \frac{-1}{2} & \frac{1}{2} & 0 \\ 1 & \frac{1}{2} & 0 & -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & 0 & \frac{1}{2} & 1 & 1 & \frac{-1}{2} & 0 \\ 0 & \frac{-1}{2} & 0 & 1 & 0 & \frac{1}{2} & -1 & -1 & -1 & 0 & \frac{-1}{2} & 0 & \frac{1}{2} & 1 & 1 \end{pmatrix}$	$\frac{1}{2}$
604	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 & 0 \\ 1 & -1 & 1 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
605	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & \frac{1}{2} & 0 & 0 & 0 & 1 & 1 & 0 & 0 \\ 1 & 1 & 0 & \frac{-1}{2} & -1 & -1 & -1 & 1 & 0 & 0 & \frac{-1}{2} & 1 & 0 \\ -1 & 1 & 1 & \frac{1}{2} & 0 & \frac{-1}{2} & 0 & -1 & -1 & 0 & \frac{1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
606	$\begin{pmatrix} -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 0 & 1 & 0 & \frac{1}{2} \\ 0 & 1 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 0 & 1 & \frac{1}{2} \\ -1 & 1 & 0 & 1 & -1 & 1 & 0 & 1 & -1 & 0 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
607	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 0 & \frac{1}{3} & 0 & \frac{-1}{2} & 0 & 1 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 \\ 1 & 0 & 1 & 1 & 0 & 1 & 0 & \frac{-2}{3} & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{6}$
608	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & \frac{1}{2} & 1 & 0 & 0 & \frac{-1}{2} & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ -1 & -1 & 0 & 0 & -1 & -1 & 0 & 1 & 1 & -1 & -1 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
609	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 0 & 1 & 0 & \frac{-1}{2} & 1 & 0 \\ 1 & 0 & \frac{1}{2} & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & -1 & -1 & 1 & 1 & 0 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
610	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & 0 & -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 \\ 1 & \frac{1}{2} & 0 & \frac{1}{2} & 1 & 0 & 0 & \frac{1}{2} & 1 & 0 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
611	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 0 & 0 \\ -1 & 1 & 1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 \\ 1 & -1 & 1 & -1 & 0 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	1
612	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & \frac{-1}{2} & 0 & 1 & 0 & \frac{-1}{2} & 0 & 1 & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & -1 & 0 & 1 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
613	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ -1 & -1 & 0 & 1 & -1 & -1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1

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	Polar Polytope	Gorenstein Index
614	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & 0 & 1 & 0 & \frac{-1}{2} & 1 & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & -1 & -1 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
615	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 \\ -1 & -1 & 1 & 1 & -1 & -1 & 0 & 1 & -1 & -1 & 0 & 1 \end{pmatrix}$	1
616	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & \frac{-1}{2} \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 & \frac{-1}{2} \\ 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 & \frac{-1}{2} \end{pmatrix}$	$\frac{1}{2}$
617	$\begin{pmatrix} -1 & -1 & -1 & 1 & \frac{1}{2} & 1 & 0 & \frac{-1}{2} & 1 & 0 & \frac{-1}{2} & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 1 & 0 \\ 1 & 0 & 1 & -1 & -1 & 0 & 1 & 1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
618	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 \\ -1 & 1 & 1 & \frac{1}{2} & -1 & -1 & -1 & 0 & 0 & 0 & 1 & 0 \\ 1 & 1 & 0 & \frac{-1}{2} & -1 & 0 & 1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
619	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & \frac{1}{2} & \frac{-1}{2} & 0 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 & 0 \\ -1 & 0 & 0 & 1 & 0 & 1 & \frac{-1}{2} & \frac{1}{2} & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
620	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 & 0 \\ 1 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ -1 & -1 & 1 & 1 & 0 & 1 & 0 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
621	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 0 & 1 & 0 \\ 1 & \frac{1}{2} & 1 & 0 & 0 & -1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 \\ -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & -1 & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$
622	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 & 0 \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 1 & 0 \\ -1 & 1 & 1 & 0 & -1 & 0 & 1 & 0 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
623	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & \frac{1}{2} & 0 & 0 & 1 & 0 \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 \\ -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & \frac{-1}{2} & -1 & -1 & 0 & 0 \end{pmatrix}$	$\frac{1}{2}$

The Fano polytopes in $\mathbb{Z}^3$ with 12 vertices.

	Polar Polytope	Gorenstein Index
624	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & \frac{1}{2} & 0 & 0 & 1 & 1 & 0 & 0 \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & 1 & 0 & 0 & \frac{-1}{2} & 1 & 0 \\ -1 & 1 & 1 & 0 & 0 & 0 & \frac{-1}{2} & -1 & -1 & 0 & \frac{1}{2} & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
625	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & -1 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
626	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 & 0 \\ -1 & 1 & 1 & 0 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
627	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 0 & \frac{1}{2} & 0 & 0 & 1 & 0 & \frac{-1}{2} & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 1 & 0 \\ -1 & 0 & 0 & 1 & 0 & 1 & 0 & \frac{-1}{2} & -1 & -1 & 0 & 0 & \frac{1}{2} & 1 \end{pmatrix}$	$\frac{1}{2}$
628	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & \frac{-1}{2} & 0 & 1 & 0 & \frac{-1}{2} & 0 & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & -1 & 0 & 1 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
629	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 \\ 1 & 1 & 0 & \frac{1}{2} & \frac{-1}{2} & -1 & -1 & -1 & 0 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & \frac{-1}{2} & \frac{1}{2} & -1 & 0 & 0 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$
630	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 0 \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 \\ -1 & 1 & 1 & 0 & -1 & 0 & 1 & 0 & -1 & -1 & 0 & 1 \end{pmatrix}$	1
631	$\begin{pmatrix} -1 & -1 & -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 & 0 \\ 1 & 1 & 0 & 0 & \frac{1}{2} & -1 & -1 & -1 & -1 & 0 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & \frac{-1}{2} & -1 & 0 & 1 & 0 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$

The Fano polytopes in $\mathbb{Z}^3$ with 13 vertices.

	Polar Polytope	Gorenstein Index
632	$\begin{pmatrix} -1 & -1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 1 & 1 & 0 & 0 & -1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1
633	$\begin{pmatrix} -1 & -1 & -1 & 1 & 1 & 0 & 0 & 1 & 0 & \frac{-1}{2} & 0 & 0 & 0 \\ 1 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 & 1 & 0 & 1 & 0 \\ 1 & 0 & 1 & -1 & 0 & 1 & 0 & -1 & -1 & -1 & -1 & 0 & 1 \end{pmatrix}$	$\frac{1}{2}$

The Fano polytopes in $\mathbb{Z}^3$ with 14 vertices.

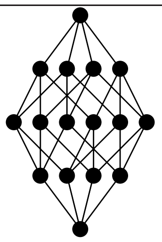
	Polar Polytope	Gorenstein Index
634	$\begin{pmatrix} -1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & -1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & -1 & -1 & -1 & 0 & 0 & 1 \end{pmatrix}$	1

5. The Fano Polytopes in $\mathbb{Z}^3$ Organised by Face Lattice Equivalence

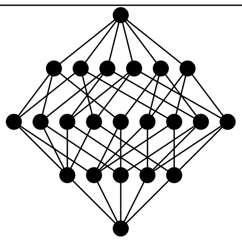
In the following tables the Fano polytopes in $\mathbb{Z}^3$ are listed by face lattice equivalence. The first entry gives the face lattice reference number used in Section 2. If the face lattice dual is contained in these tables then its reference number is in brackets. A depiction of the face lattice is then given, followed by a list all Fano polytopes with the face lattice in question. Simplicial polytopes are indicated by *italics* and regular polytopes are indicated by **bold**.

The non-trivial generators of the automorphism group of the face lattice are given (if there are any) below each face lattice. v_i, e_j, and f_k refer to the i^{th} vertex, j^{th} edge, and k^{th} face respectively, where the ordering corresponds to that given in the depiction.

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 4 vertices.

Face Lattice	Polytopes
1 (1) 	*1*, *2*, *3*, **4**, *5*, *6*, *7*, *8*
(v_3v_4) (e_2e_3) (e_4e_5) (f_3f_4) (v_1v_2) (e_2e_4) (e_3e_5) (f_5f_6) (v_2v_3) (e_1e_2) (e_5e_6) (f_4f_5)	

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 5 vertices.

Face Lattice	Polytopes
2 (8) 	*9*, *10*, *11*, *12*, *13*, *14*, *15*, *16*, *17*, *18*, *20*, *21*, *22*, *23*, **24**, *25*, *26*, *27*, *28*, *29*, *30*, *31*, *34*, **35**, **36**, **37**, *38*, *39*, *40*, *41*, *42*, *43*, *44*, *45*, *46*
(v_2v_4) (e_1e_3) (e_5e_8) (e_7e_9) (f_4f_6) (f_5f_7) (v_3v_5) (e_2e_4) (e_5e_7) (e_8e_9) (f_4f_5) (f_6f_7) (f_8f_9) (v_1v_2) (e_2e_5) (e_3e_6) (e_4e_7) (f_6f_8) (f_7f_9)	

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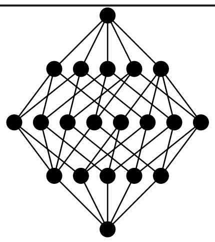
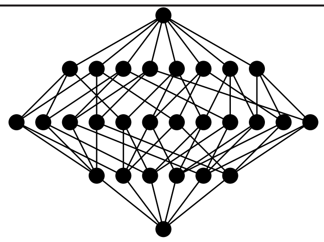
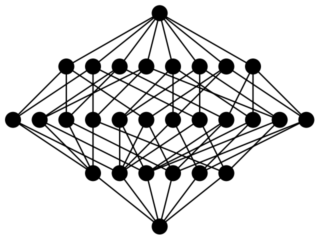
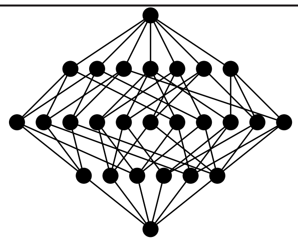
Face Lattice	Polytopes
3 (3) 	19, 32, 33
(v_3v_4) (e_2e_3) (e_5e_6) (e_7e_8) (f_4f_5) (f_6f_7) (v_2v_3) (v_4v_5) (e_1e_2) (e_3e_4) (e_6e_7) (f_5f_6)	

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 6 vertices.

Face Lattice	Polytopes
4 (33) 	*47*, **62**, *64*, **68**, *71*, *95*, **105**, *110*, *111*, **123**, *126*, *127*, **131**, *137*, *140*
(v_1v_2) (v_4v_5) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{11}e_{12})$ (f_7f_9) (f_8f_{10}) (v_3v_6) (e_2e_4) (e_5e_7) (e_8e_{11}) (e_9e_{12}) (f_5f_6) (f_7f_8) (f_9f_{10}) $(f_{11}f_{12})$ (v_2v_3) (v_5v_6) (e_1e_2) (e_3e_4) (e_6e_8) (e_7e_9) $(e_{10}e_{11})$ (f_6f_7) $(f_{10}f_{11})$	
5 	*48*, *49*, *50*, *51*, *52*, *53*, *54*, *55*, *56*, *57*, *58*, *59*, *60*, *61*, *63*, *65*, *69*, *70*, *72*, *73*, *74*, *75*, *76*, *77*, *78*, *80*, *81*, *82*, *84*, *86*, *88*, *89*, *90*, *91*, *93*, *94*, *96*, *97*, *98*, *101*, *102*, *103*, *107*, *108*, *109*, *112*, *113*, *114*, *115*, *118*, *120*, *121*, *122*, *128*, *130*, *132*, *133*, *134*, **136**, **139**
(v_1v_4) (v_5v_6) (e_1e_6) (e_2e_9) (e_4e_{12}) (e_7e_8) $(e_{10}e_{11})$ (f_6f_{11}) (f_8f_{12}) (f_9f_{10}) (v_2v_3) (e_1e_2) (e_6e_9) (e_7e_{10}) (e_8e_{11}) (f_5f_7) (f_6f_8) $(f_{11}f_{12})$	
6 	66, 67, 83, 99, 100, 117, 119, 125

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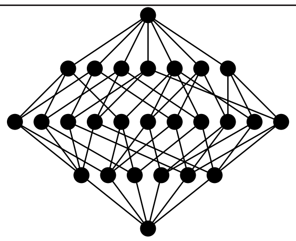
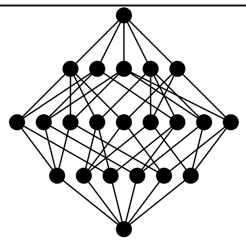
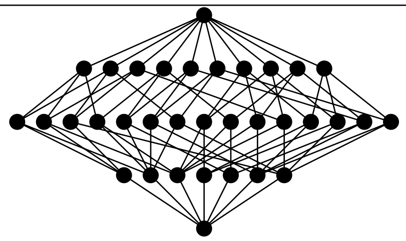
Face Lattice	Polytopes
(v_2v_4) (v_3v_5) (e_1e_2) (e_4e_9) (e_6e_{10}) (e_8e_{11}) (f_6f_7) (f_9f_{11})	
7 	79, 85, 87, 104, 106, 116, 124, 129, 135, 138, 141
(v_2v_6) (e_1e_4) (e_5e_8) (e_6e_{10}) (e_7e_{11}) (f_5f_7) (f_6f_8) $(f_{10}f_{11})$ (v_1v_5) (v_3v_4) (e_1e_7) (e_2e_9) (e_4e_{11}) (e_5e_6) (e_8e_{10}) (f_5f_{10}) (f_7f_{11})	
8 (2) 	92
(v_1v_3) (v_2v_5) (e_2e_7) (e_3e_4) (e_6e_9) (f_7f_8) (v_2v_6) (v_3v_4) (e_1e_2) (e_4e_8) (e_5e_9) (f_5f_7) (v_1v_5) (v_2v_3) (v_4v_6) (e_1e_5) (e_2e_9) (e_6e_7) (f_6f_9)	

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 7 vertices.

Face Lattice	Polytopes
9 	*142, 143, 144, 145, 146, 147, 148, 149, 150, 152, 155, 160, 165, 167, 170, 188, 189, 192, 193, 194, 201, 202, 204, 205, 213, 258*
(v_2v_7) (v_4v_5) (e_1e_3) (e_4e_{11}) (e_5e_{13}) (e_6e_{15}) (e_8e_9) $(e_{12}e_{14})$ (f_6f_8) (f_9f_{13}) $(f_{10}f_{15})$ $(f_{12}f_{14})$ (v_1v_5) (v_6v_7) (e_1e_5) (e_2e_9) (e_3e_{14}) (e_6e_7) $(e_{10}e_{11})$ $(e_{12}e_{13})$ (f_6f_9) (f_7f_{10}) (f_8f_{14}) $(f_{12}f_{13})$	

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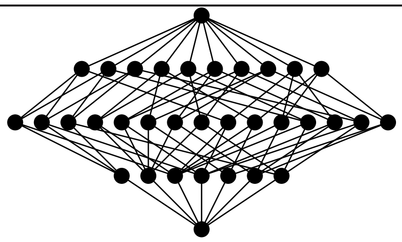
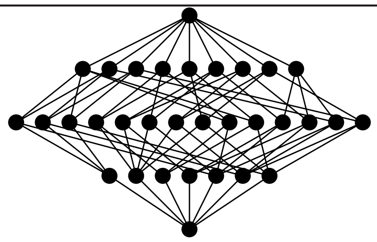
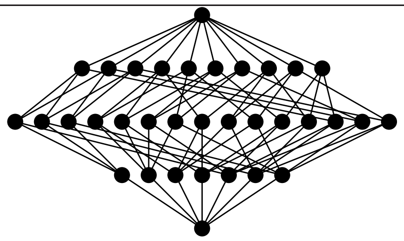
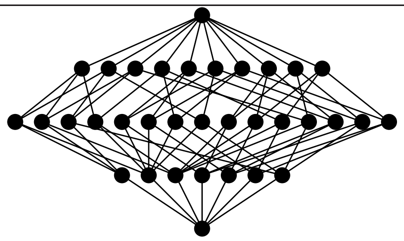
Face Lattice	Polytopes
10 	*151, 153, 163, 169, 175, 177, 178, 206, 225, 235, 237, 245*
(v_1v_5) (v_2v_4) (v_6v_7) (e_1e_{10}) (e_2e_6) (e_3e_{15}) (e_4e_9) (e_7e_{14}) (e_8e_{13}) $(e_{11}e_{12})$ (f_6f_9) (f_7f_{15}) (f_8f_{13}) $(f_{10}f_{14})$ $(f_{11}f_{12})$	
11 	154, 173, 179, 181, 183, 186, 187, 195, 214, 217, 224, 249, 259, 260, 265
(v_1v_3) (v_2v_6) (e_1e_9) (e_2e_4) (e_3e_{10}) (e_5e_{12}) (e_6e_{13}) (e_8e_{14}) (f_7f_9) (f_8f_{10}) $(f_{11}f_{14})$	
12 	*156, 157, 159, 176, 180, 198, 207, 208, 220, 226, 238, 239, 251, 252, 254, 269, 270, 274, 280, 283*
(v_3v_4) (v_5v_7) (e_1e_3) (e_4e_5) (e_6e_7) (e_9e_{12}) $(e_{10}e_{11})$ $(e_{13}e_{15})$ (f_6f_8) $(f_{10}f_{11})$ $(f_{14}f_{15})$ (v_2v_3) (v_5v_6) (e_1e_2) (e_5e_8) (e_6e_9) (e_7e_{10}) $(e_{11}e_{12})$ $(e_{14}e_{15})$ (f_7f_8) $(f_{11}f_{13})$ $(f_{12}f_{14})$	
13 	*158, 166, 253, 262*
(v_1v_6) (v_5v_7) (e_1e_7) (e_2e_{11}) (e_3e_{15}) (e_6e_8) $(e_{10}e_{12})$ $(e_{13}e_{14})$ (f_6f_9) (f_7f_{12}) (f_8f_{15}) $(f_{10}f_{11})$ $(f_{13}f_{14})$ (v_2v_3) (e_1e_2) (e_5e_9) (e_6e_{10}) (e_7e_{11}) (e_8e_{12}) (f_7f_8) $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$	

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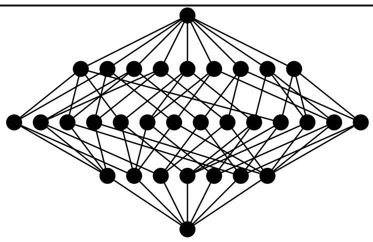
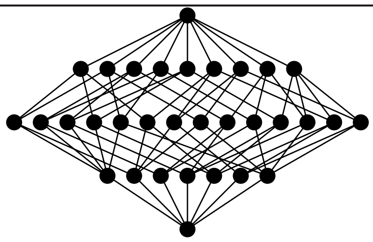
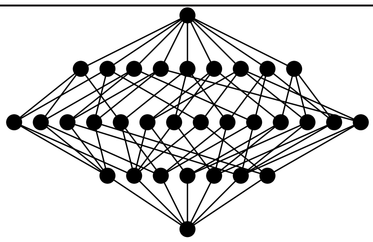
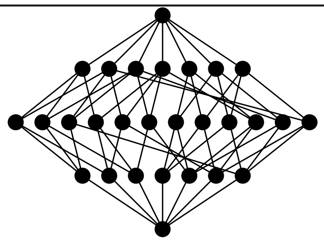
<table>
<tr><th>Face Lattice</th><th>Polytopes</th></tr>
<tr><td>14 </td><td>161, 190, 203, 221, 242, 261</td></tr>
<tr><td colspan="2">(v_1v_2) (v_3v_5) (v_4v_6) (e_2e_6) (e_3e_5) (e_4e_7) (e_8e_{10}) (e_9e_{13}) $(e_{12}e_{14})$ (f_8f_{10}) (f_9f_{11}) $(f_{12}f_{13})$
(v_1v_4) (v_2v_6) (v_3v_5) (e_1e_{11}) (e_2e_{10}) (e_3e_5) (e_4e_{12}) (e_6e_8) (e_7e_{14}) (e_9e_{13}) (f_7f_{14}) (f_8f_{10}) (f_9f_{13}) $(f_{11}f_{12})$</td></tr>
<tr><td>15 </td><td>162, 174, 184, 196, 219, 227, 231, 279</td></tr>
<tr><td>16 </td><td>164, 168, 182, 216, 222, 233, 240, 255, 264, 267</td></tr>
<tr><td colspan="2">(v_2v_6) (e_1e_3) (e_5e_{10}) (e_6e_{12}) (e_7e_{13}) (e_8e_{14}) (f_6f_8) (f_7f_9) $(f_{10}f_{13})$ $(f_{11}f_{14})$
(v_1v_5) (v_4v_7) (e_1e_7) (e_2e_9) (e_3e_{13}) (e_4e_{11}) (e_6e_8) $(e_{12}e_{14})$ (f_6f_{10}) (f_7f_{11}) (f_8f_{13}) (f_9f_{14})</td></tr>
<tr><td>17 (17) </td><td>171, 172</td></tr>
<tr><td colspan="2">(v_1v_2) (v_6v_7) (e_2e_4) (e_3e_5) (e_8e_9) $(e_{10}e_{11})$ (f_8f_9) $(f_{10}f_{11})$
(v_2v_3) (v_5v_6) (e_1e_2) (e_5e_6) (e_7e_8) $(e_{11}e_{12})$ (f_7f_8) $(f_{11}f_{12})$</td></tr>
</table>

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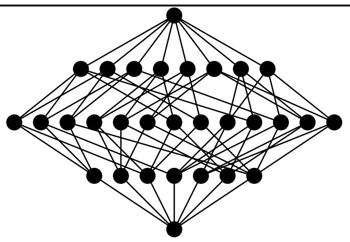
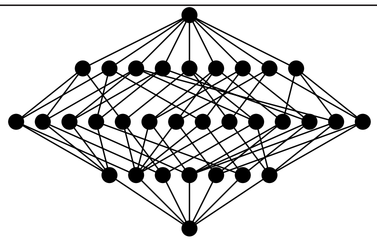
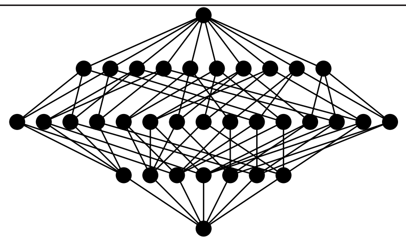
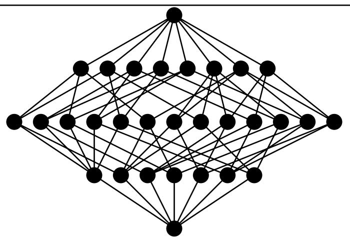
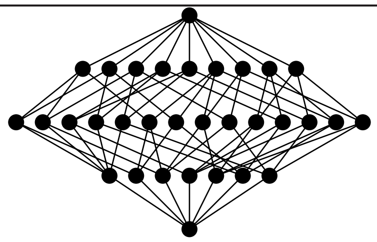
Face Lattice	Polytopes
18 	185, 243, 256
(v_2v_5) (v_3v_4) (e_1e_2) (e_4e_9) (e_5e_{12}) (e_6e_{13}) (e_7e_{10}) (e_8e_{11}) (f_7f_8) (f_9f_{12}) $(f_{10}f_{13})$	
19 	191
(v_1v_7) (v_5v_6) (e_1e_9) (e_2e_{10}) (e_3e_{13}) (e_4e_{14}) (e_7e_8) $(e_{11}e_{12})$ (f_6f_{10}) (f_7f_{13}) (f_9f_{14}) $(f_{11}f_{12})$	
20 	*197*, *199*, *209*, *211*, **218**, *223*, *236*, *248*, **266**, *268*, **271**, **275**
(v_2v_5) (v_6v_7) (e_3e_4) (e_5e_9) (e_6e_{12}) (e_8e_{15}) $(e_{10}e_{11})$ $(e_{13}e_{14})$ (f_6f_7) (f_8f_9) $(f_{11}f_{14})$ $(f_{13}f_{15})$ (v_3v_4) (e_1e_2) (e_5e_6) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{11}e_{14})$ (f_6f_8) (f_7f_9) $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{14}f_{15})$ (v_1v_2) (v_5v_6) (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) (e_9e_{10}) $(e_{12}e_{13})$ (f_6f_{10}) (f_7f_{11}) (f_8f_{12}) (f_9f_{13})	
21 	200, 215, 230, 244, 257, 284
(v_3v_6) (v_4v_7) (e_2e_4) (e_3e_5) (e_6e_8) (e_9e_{13}) $(e_{11}e_{12})$ (f_6f_7) (f_9f_{10}) $(f_{11}f_{12})$	
22 	210, 228, 229, 234, 247, 250, 263, 272, 273, 276, 277, 278, 282, 285

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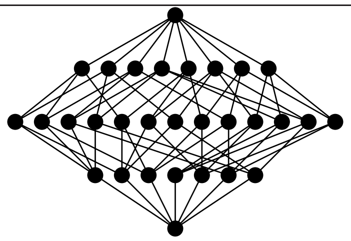
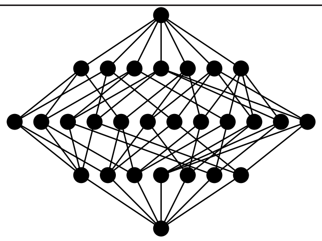
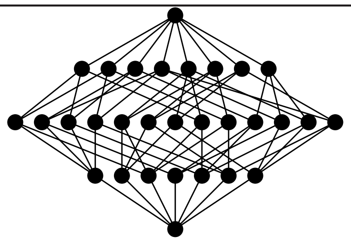
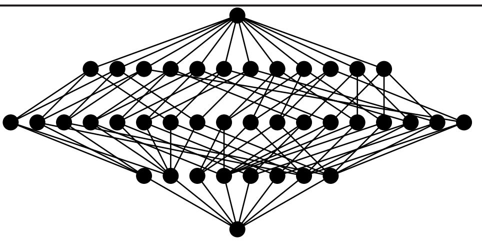
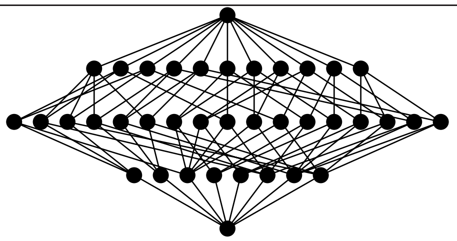
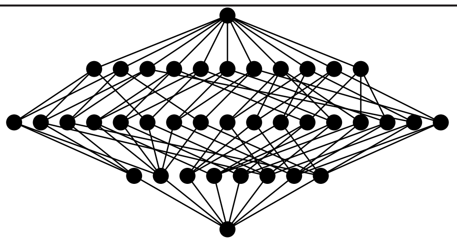
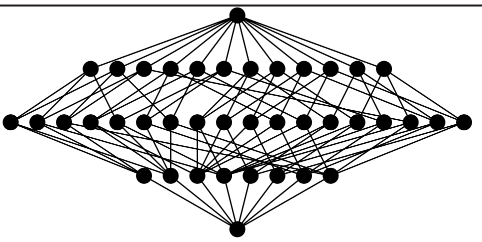
<table>
<tr><th>Face Lattice</th><th>Polytopes</th></tr>
<tr><td colspan="2">(v_3v_6) (v_4v_7) (e_2e_4) (e_3e_5) (e_6e_7) (e_8e_{13}) (e_9e_{11}) $(e_{10}e_{14})$ (f_6f_7) (f_8f_9) $(f_{12}f_{13})$</td></tr>
<tr><td>23 </td><td>212, 246, 281</td></tr>
<tr><td colspan="2">(v_1v_2) (v_5v_6) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{10}e_{11})$ (f_8f_{10}) (f_9f_{11})
(v_1v_5) (v_2v_6) (v_4v_7) (e_1e_{13}) (e_2e_8) (e_3e_6) (e_4e_{10}) (e_5e_9) (e_7e_{11}) (f_6f_{12}) (f_7f_{13}) (f_8f_{10}) (f_9f_{11})</td></tr>
<tr><td>24 (24) </td><td>232</td></tr>
<tr><td colspan="2">(v_2v_3) (v_6v_7) (e_1e_2) (e_3e_4) (e_6e_8) (e_7e_9) $(e_{11}e_{12})$ (f_7f_8) $(f_{11}f_{12})$
(v_1v_2) (v_5v_6) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{10}e_{11})$ (f_8f_{10}) (f_9f_{11})</td></tr>
<tr><td>25 </td><td>241</td></tr>
<tr><td colspan="2">(v_1v_3) (v_2v_4) (v_5v_6) (e_2e_5) (e_3e_9) (e_4e_8) (e_6e_{10}) (e_7e_{11}) $(e_{12}e_{13})$ (f_6f_7) (f_8f_{11}) (f_9f_{10}) $(f_{12}f_{13})$</td></tr>
</table>

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 8 vertices.

Face Lattice	Polytopes
26 	*286, 287, 288, 289, 294, 325*
(v_5v_6) (v_7v_8) (e_2e_3) (e_5e_6) (e_7e_8) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ (f_7f_8) $(f_{10}f_{11})$ $(f_{12}f_{13})$ $(f_{14}f_{15})$ $(f_{17}f_{18})$ (v_2v_7) (v_3v_6) (e_1e_2) (e_4e_{14}) (e_5e_{16}) (e_6e_{10}) (e_8e_{18}) (e_9e_{13}) $(e_{11}e_{17})$ (f_8f_9) $(f_{10}f_{17})$ $(f_{11}f_{14})$ $(f_{13}f_{16})$ $(f_{15}f_{18})$ $(v_1v_5v_6)$ $(v_4v_8v_7)$ $(e_1e_5e_6)$ $(e_2e_{12}e_{17})$ $(e_3e_{16}e_{13})$ $(e_4e_8e_7)$ $(e_9e_{11}e_{10})$ $(e_{14}e_{15}e_{18})$ $(f_7f_{10}f_{13})$ $(f_8f_{12}f_{11})$ $(f_9f_{17}f_{18})$ $(f_{14}f_{15}f_{16})$	
27 	290, 304, 316, 322
(v_4v_5) (v_6v_8) (e_2e_3) (e_4e_6) (e_7e_8) (e_9e_{11}) $(e_{12}e_{15})$ $(e_{13}e_{14})$ $(e_{16}e_{17})$ (f_8f_9) $(f_{10}f_{11})$ $(f_{12}f_{15})$ $(f_{13}f_{14})$ $(f_{16}f_{17})$ (v_1v_2) (v_3v_7) (e_1e_5) (e_2e_4) (e_3e_6) (e_7e_{13}) (e_8e_{14}) (e_9e_{16}) $(e_{11}e_{17})$ (f_8f_{10}) (f_9f_{11}) $(f_{12}f_{16})$ $(f_{15}f_{17})$	
28 	291, 310, 319, 330, 367, 384
29 	*292, 299*

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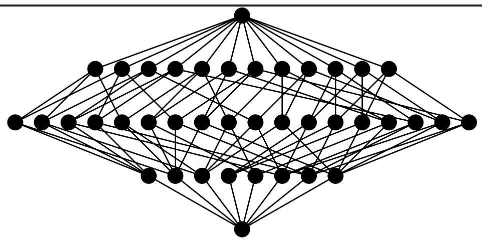
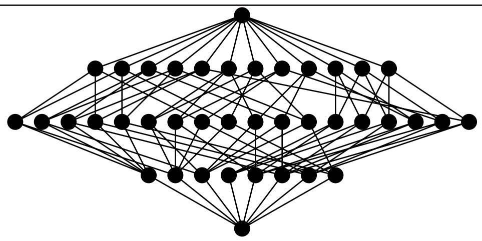
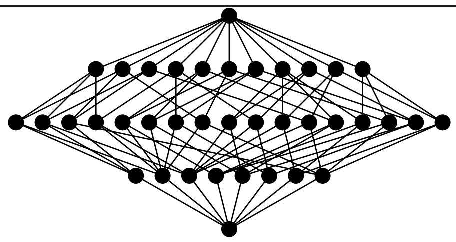
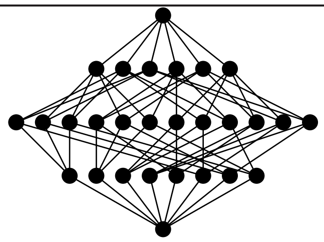
<table>
<tr><th>Face Lattice</th><th>Polytopes</th></tr>
<tr><td>30 </td><td>293, 315, 331, 339, 347, 372, 376, 397, 402</td></tr>
<tr><td colspan="2">(v_2v_3) (v_6v_7) (e_1e_2) (e_3e_4) (e_6e_9) (e_7e_{10}) (e_8e_{11}) $(e_{12}e_{13})$ $(e_{17}e_{18})$ (f_8f_9) $(f_{12}f_{14})$ $(f_{13}f_{15})$ $(f_{17}f_{18})$
(v_2v_6) (v_3v_7) (v_4v_5) (e_1e_3) (e_2e_4) (e_5e_{16}) (e_6e_{12}) (e_7e_{10}) (e_8e_{17}) (e_9e_{13}) $(e_{11}e_{18})$ $(e_{14}e_{15})$ (f_7f_{10}) (f_8f_9) $(f_{11}f_{16})$ $(f_{12}f_{17})$ $(f_{13}f_{15})$ $(f_{14}f_{18})$</td></tr>
<tr><td>31 </td><td>295, 301</td></tr>
<tr><td colspan="2">(v_2v_3) (v_6v_7) (e_1e_2) (e_3e_4) (e_7e_{10}) (e_8e_{11}) (e_9e_{12}) $(e_{14}e_{15})$ $(e_{16}e_{17})$ (f_7f_9) (f_8f_{10}) $(f_{14}f_{15})$ $(f_{16}f_{17})$
(v_1v_2) (v_5v_6) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{10}e_{11})$ $(e_{13}e_{14})$ $(e_{17}e_{18})$ (f_9f_{12}) $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{17}f_{18})$
(v_1v_5) (v_2v_6) (v_3v_7) (v_4v_8) (e_1e_{16}) (e_2e_{17}) (e_3e_7) (e_4e_{10}) (e_5e_{13}) (e_6e_{18}) (e_8e_{11}) (e_9e_{14}) $(e_{12}e_{15})$ (f_7f_{15}) (f_8f_{16}) (f_9f_{14}) $(f_{10}f_{17})$ $(f_{11}f_{12})$ $(f_{13}f_{18})$</td></tr>
<tr><td>32 </td><td>296, 298</td></tr>
<tr><td>33 (4) </td><td>297</td></tr>
</table>

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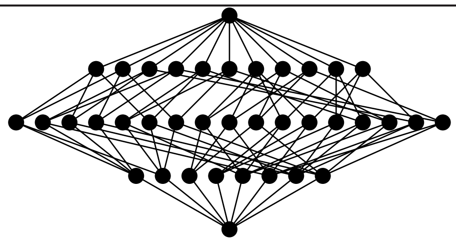
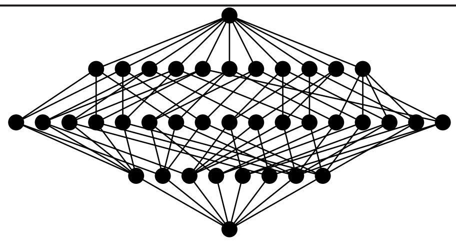
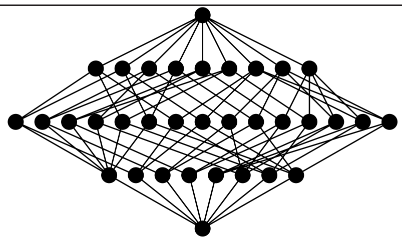
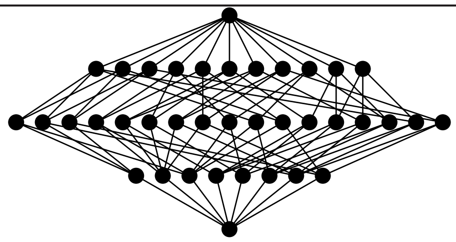
Face Lattice	Polytopes
(v_3v_4) (v_7v_8) (e_2e_3) (e_5e_6) (e_7e_{10}) (e_8e_{11}) (e_9e_{12}) (f_8f_9) $(f_{10}f_{11})$ (v_1v_6) (v_2v_5) (v_3v_7) (v_4v_8) (e_2e_8) (e_3e_{11}) (e_5e_7) (e_6e_{10}) (e_9e_{12}) (f_7f_{12}) (f_8f_9) $(f_{10}f_{11})$ $(v_1v_7v_2v_5v_3v_6)$ (v_4v_8) $(e_1e_2e_5e_4e_7e_8)$ $(e_3e_{12}e_6e_{10}e_9e_{11})$ $(f_7f_{11}f_{10}f_{12}f_8f_9)$	
34 	300, 312, 326, 356, 364, 378, 381, 395, 398, 429
(v_3v_4) (v_7v_8) (e_3e_4) (e_6e_7) (e_8e_{11}) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ (f_7f_8) (f_9f_{10}) $(f_{11}f_{12})$ $(f_{14}f_{16})$ $(f_{15}f_{17})$ (v_1v_2) (v_5v_6) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{11}e_{12})$ $(e_{14}e_{16})$ $(e_{15}e_{17})$ (f_9f_{11}) $(f_{10}f_{12})$ $(f_{14}f_{15})$ $(f_{16}f_{17})$	
35 	302, 313, 317, 338, 340, 346, 371, 373, 405
36 	303
(v_3v_4) (v_7v_8) (e_2e_3) (e_5e_6) (e_7e_8) (e_9e_{11}) $(e_{10}e_{12})$ $(e_{14}e_{15})$ (f_7f_8) (f_9f_{11}) $(f_{10}f_{12})$ $(f_{14}f_{15})$ (v_2v_3) (v_6v_7) (e_1e_2) (e_4e_5) (e_7e_9) (e_8e_{10}) $(e_{11}e_{12})$ $(e_{13}e_{14})$ (f_7f_9) (f_8f_{10}) $(f_{11}f_{12})$ $(f_{13}f_{14})$	
37 	305
(v_3v_7) (v_4v_5) (e_1e_2) (e_4e_7) (e_5e_6) (e_9e_{14}) $(e_{10}e_{16})$ $(e_{11}e_{17})$ $(e_{13}e_{15})$ (f_8f_9) $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{15}f_{17})$	

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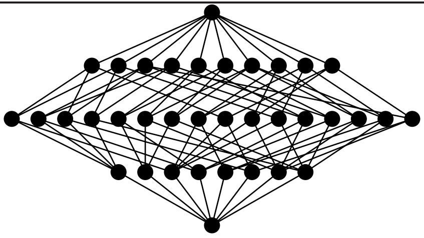
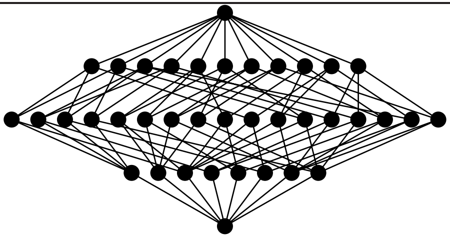
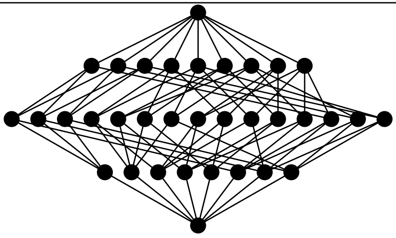
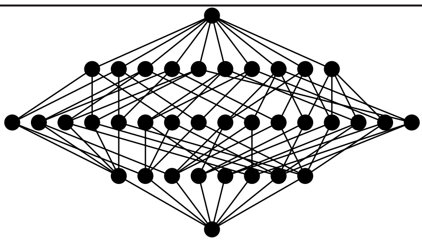
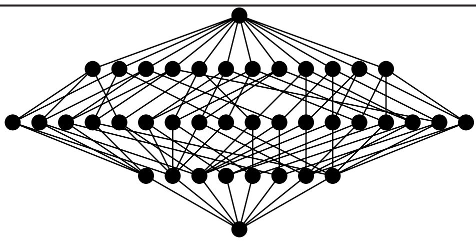
Face Lattice	Polytopes
38 	306, 336, 345, 383
39 	307
40 	308
(v_3v_4) (v_6v_7) (e_1e_2) (e_4e_5) (e_9e_{11}) $(e_{10}e_{12})$ $(e_{14}e_{15})$ (f_8f_9) $(f_{10}f_{12})$ $(f_{11}f_{13})$ (v_2v_3) (v_7v_8) (e_2e_3) (e_5e_8) (e_6e_9) (e_7e_{10}) $(e_{13}e_{14})$ (f_7f_8) $(f_{12}f_{14})$ $(f_{13}f_{15})$ (v_1v_5) (v_2v_6) (v_3v_7) (v_4v_8) (e_1e_6) (e_2e_9) (e_3e_{11}) (e_4e_{13}) (e_5e_{14}) (e_7e_{12}) (e_8e_{15}) (f_7f_{10}) (f_8f_{12}) (f_9f_{14}) $(f_{11}f_{15})$	
41 	309, 358, 377, 396
42 	*311*, *334*
(v_3v_8) (v_4v_5) (e_2e_4) (e_5e_9) (e_6e_7) $(e_{10}e_{15})$ $(e_{11}e_{17})$ $(e_{12}e_{18})$ $(e_{14}e_{16})$ (f_7f_8) (f_9f_{10}) $(f_{11}f_{13})$ $(f_{12}f_{14})$ $(f_{15}f_{18})$	

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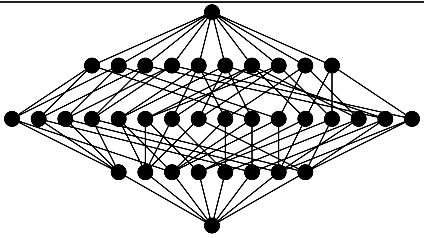
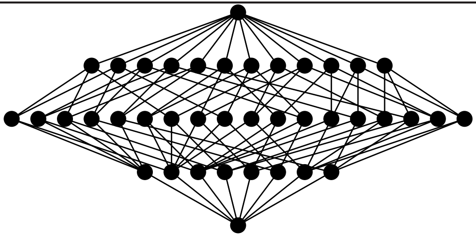
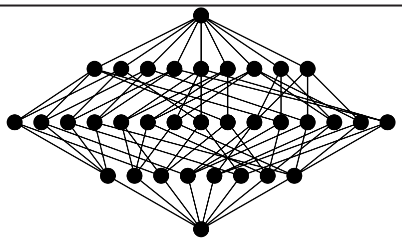
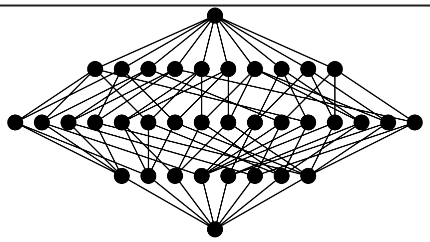
<table>
<tr><th>Face Lattice</th><th>Polytopes</th></tr>
<tr><td>43 </td><td>314, 375</td></tr>
<tr><td colspan="2">(v_3v_8) (v_4v_5) (e_1e_4) (e_5e_8) (e_6e_7) (e_9e_{13}) $(e_{10}e_{15})$ $(e_{11}e_{16})$ $(e_{12}e_{14})$ (f_7f_9) (f_8f_{10}) $(f_{11}f_{14})$ $(f_{15}f_{16})$</td></tr>
<tr><td>44 </td><td>*318*, *409*</td></tr>
<tr><td colspan="2">(v_1v_7) (v_5v_6) (e_1e_{10}) (e_2e_{13}) (e_3e_{15}) (e_4e_{17}) (e_5e_{18}) (e_8e_9) $(e_{11}e_{12})$ (f_7f_{14}) (f_8f_{15}) (f_9f_{16}) $(f_{10}f_{17})$ $(f_{11}f_{18})$ $(f_{12}f_{13})$
(v_2v_3) (v_4v_8) (e_1e_2) (e_3e_5) (e_7e_{14}) (e_8e_{11}) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{15}e_{18})$ (f_7f_{10}) (f_8f_9) $(f_{14}f_{17})$ $(f_{15}f_{16})$</td></tr>
<tr><td>45 </td><td>320, 389, 390, 391</td></tr>
<tr><td colspan="2">(v_1v_4) (v_3v_7) (v_5v_6) (e_1e_{11}) (e_3e_{10}) (e_4e_{12}) (e_5e_6) (e_8e_{13}) $(e_{14}e_{15})$ (f_8f_{14}) $(f_{10}f_{15})$ $(f_{11}f_{13})$</td></tr>
<tr><td>46 </td><td>321</td></tr>
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<table>
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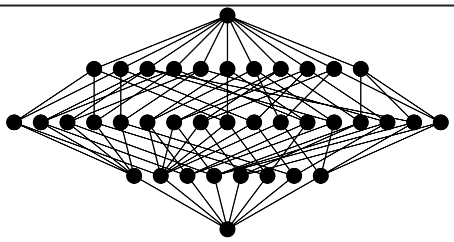
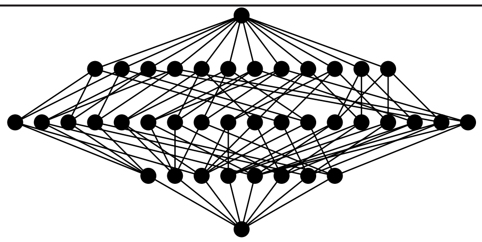
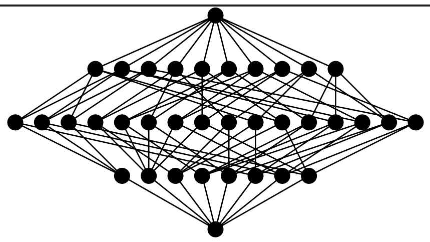
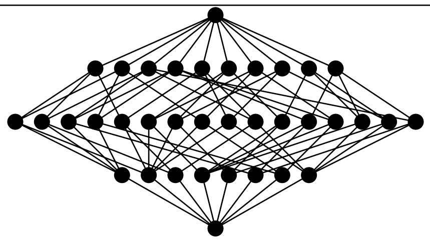
<tr><td>47 </td><td>323</td></tr>
<tr><td colspan="2">(v_1v_4) (v_3v_8) (v_5v_6) (e_1e_7) (e_2e_{16}) (e_4e_{14}) (e_5e_{15}) (e_6e_{11}) (e_8e_9) $(e_{12}e_{17})$ (f_7f_{14}) (f_8f_{15}) $(f_{10}f_{17})$ $(f_{12}f_{16})$</td></tr>
<tr><td>48 </td><td>**324**, **369**</td></tr>
<tr><td colspan="2">(v_2v_4) (v_7v_8) (e_3e_4) (e_5e_9) (e_6e_{13}) (e_7e_{14}) (e_8e_{15}) $(e_{11}e_{12})$ $(e_{17}e_{18})$ (f_7f_8) (f_9f_{10}) $(f_{11}f_{15})$ $(f_{12}f_{16})$ $(f_{13}f_{17})$ $(f_{14}f_{18})$
(v_3v_5) (e_1e_2) (e_5e_6) (e_9e_{13}) $(e_{10}e_{16})$ $(e_{11}e_{17})$ $(e_{12}e_{18})$ (f_7f_9) (f_8f_{10}) $(f_{11}f_{13})$ $(f_{12}f_{14})$ $(f_{15}f_{17})$ $(f_{16}f_{18})$
(v_1v_2) (v_6v_7) (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) $(e_{10}e_{11})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ (f_7f_{11}) (f_8f_{12}) (f_9f_{13}) $(f_{10}f_{14})$ $(f_{15}f_{16})$ $(f_{17}f_{18})$
(v_1v_6) (v_2v_7) (v_4v_8) (e_1e_{10}) (e_2e_{16}) (e_3e_7) (e_4e_{14}) (e_5e_{11}) (e_6e_{17}) (e_8e_{15}) (e_9e_{12}) $(e_{13}e_{18})$ (f_7f_{11}) (f_8f_{15}) (f_9f_{13}) $(f_{10}f_{17})$ $(f_{12}f_{16})$ $(f_{14}f_{18})$</td></tr>
<tr><td>49 </td><td>327, 329, 350, 351, 353, 417, 427</td></tr>
<tr><td colspan="2">(v_3v_4) (v_7v_8) (e_2e_3) (e_4e_5) (e_7e_8) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{11}e_{14})$ (f_7f_8) $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{15}f_{16})$</td></tr>
<tr><td>50 </td><td>328, 341, 366</td></tr>
<tr><td colspan="2">(v_3v_7) (v_4v_8) (e_2e_4) (e_5e_8) (e_6e_9) $(e_{10}e_{13})$ $(e_{11}e_{15})$ $(e_{12}e_{16})$ (f_7f_8) (f_9f_{10}) $(f_{11}f_{13})$ $(f_{12}f_{14})$</td></tr>
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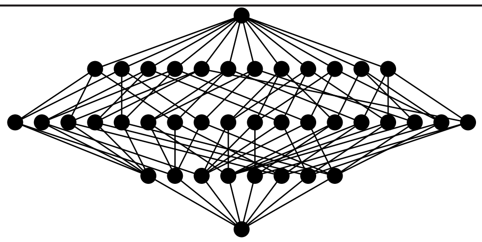
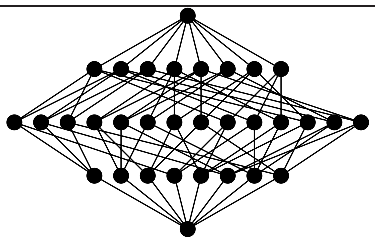
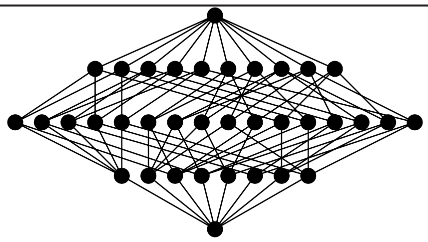
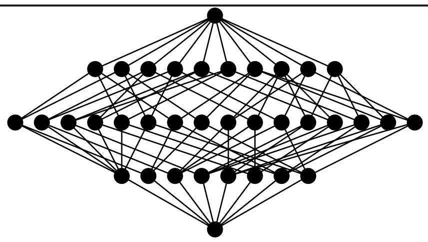
Face Lattice	Polytopes
51 	*332*, *333*, *342*, *352*, *359*, *361*, *394*, *426*
(v_2v_7) (v_3v_8) (e_1e_4) (e_2e_5) (e_6e_{15}) (e_7e_{18}) (e_8e_{11}) (e_9e_{16}) $(e_{10}e_{17})$ (f_7f_{11}) (f_8f_9) $(f_{12}f_{18})$ $(f_{13}f_{15})$ $(f_{14}f_{17})$	
52 (71) 	335
(v_2v_3) (v_5v_7) (v_6v_8) (e_2e_3) (e_5e_8) (e_6e_7) (e_9e_{10}) $(e_{12}e_{13})$ (f_7f_8) $(f_{12}f_{13})$ (v_1v_2) (v_3v_4) (v_7v_8) (e_1e_4) (e_2e_5) (e_3e_6) (e_7e_9) (e_8e_{10}) $(e_{11}e_{12})$ $(e_{13}e_{14})$ (f_7f_{10}) (f_8f_{11}) (f_9f_{12}) $(f_{13}f_{14})$	
53 	337
(v_1v_3) (v_2v_4) (v_5v_6) (v_7v_8) (e_2e_6) (e_3e_{10}) (e_4e_{12}) (e_5e_{11}) (e_8e_{13}) (e_9e_{14}) $(e_{15}e_{16})$ (f_7f_8) (f_9f_{12}) $(f_{10}f_{13})$ $(f_{11}f_{16})$ $(f_{14}f_{15})$	
54 	343, 354
(v_3v_4) (v_7v_8) (e_2e_3) (e_5e_6) (e_7e_8) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{11}e_{14})$ $(e_{15}e_{16})$ (f_7f_8) (f_9f_{11}) $(f_{10}f_{12})$ $(f_{15}f_{16})$ (v_2v_6) (v_3v_7) (v_4v_8) (e_1e_4) (e_2e_5) (e_3e_6) (e_7e_{10}) (e_8e_{13}) (e_9e_{15}) $(e_{11}e_{14})$ $(e_{12}e_{16})$ (f_7f_9) (f_8f_{11}) $(f_{10}f_{12})$ $(f_{13}f_{14})$ $(f_{15}f_{16})$	

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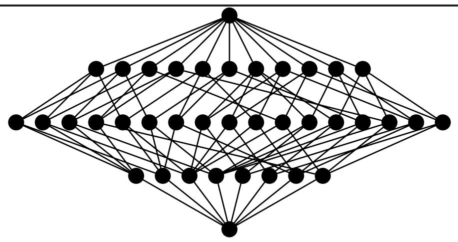
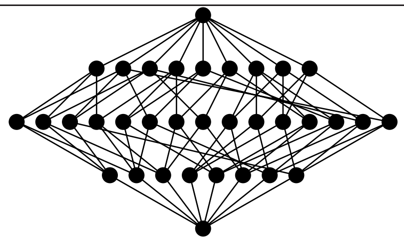
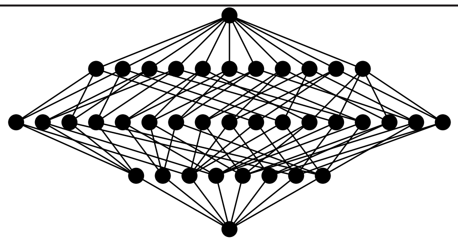
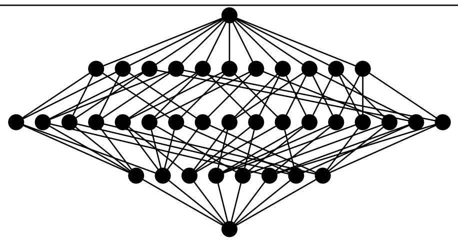
Face Lattice	Polytopes
55 	344
(v_1v_2) (v_5v_6) (v_7v_8) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ (f_9f_{11}) $(f_{10}f_{12})$ $(f_{14}f_{15})$ $(f_{16}f_{17})$ (v_3v_4) (e_2e_3) (e_5e_6) (e_8e_{12}) (e_9e_{13}) $(e_{10}e_{14})$ $(e_{11}e_{15})$ (f_7f_8) (f_9f_{10}) $(f_{11}f_{12})$ $(f_{14}f_{16})$ $(f_{15}f_{17})$	
56 	348, 349
(v_2v_3) (v_6v_7) (e_1e_2) (e_5e_7) (e_6e_8) (e_9e_{10}) $(e_{12}e_{13})$ $(e_{14}e_{15})$ (f_8f_9) $(f_{11}f_{12})$ $(f_{14}f_{15})$	
57 	355
58 	357, 399, 401, 410, 415, 422, 424, 436
(v_2v_8) (v_3v_4) (v_6v_7) (e_1e_4) (e_2e_3) (e_5e_{14}) (e_6e_{15}) (e_7e_{17}) $(e_{10}e_{12})$ $(e_{11}e_{13})$ (f_7f_{10}) $(f_{11}f_{16})$ $(f_{12}f_{17})$ (v_1v_5) (v_2v_8) (v_3v_6) (v_4v_7) (e_1e_{15}) (e_2e_{10}) (e_3e_{12}) (e_4e_6) (e_5e_{17}) (e_7e_{14}) (e_9e_{16}) $(e_{11}e_{13})$ (f_7f_{16}) (f_8f_{13}) (f_9f_{14}) $(f_{10}f_{11})$ $(f_{12}f_{17})$	

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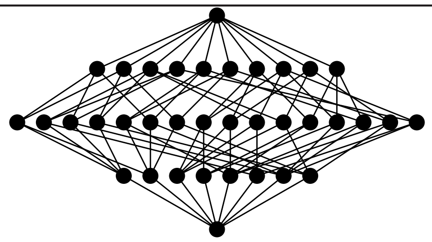
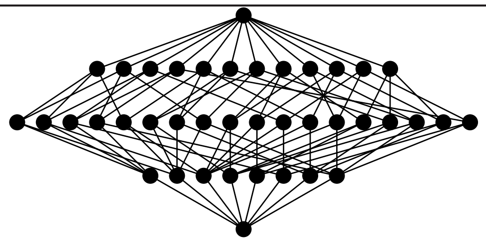
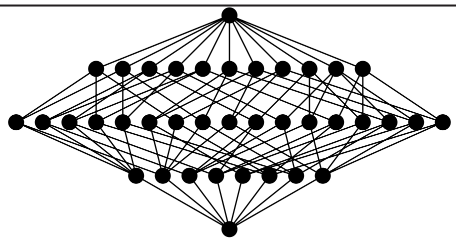
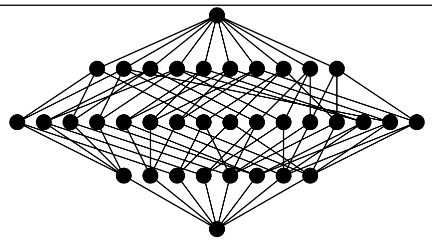
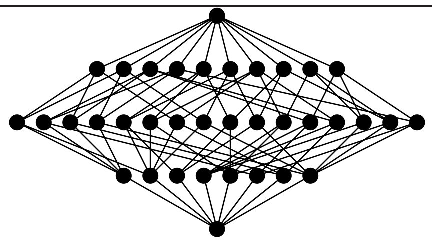
Face Lattice	Polytopes
59 	360, 385, 412, 423, 431, 435
60 	*362*
(v_1v_7) (v_4v_8) (v_5v_6) (e_1e_7) (e_2e_{12}) (e_3e_{17}) (e_4e_{15}) (e_6e_8) (e_9e_{13}) $(e_{10}e_{11})$ $(e_{14}e_{18})$ (f_7f_{11}) (f_8f_{12}) (f_9f_{16}) $(f_{10}f_{18})$ $(f_{14}f_{17})$	
61 	363, 380, 382, 400, 407, 408, 413, 420, 421
62 	365
(v_3v_4) (v_7v_8) (e_1e_2) (e_6e_7) (e_8e_{10}) (e_9e_{11}) $(e_{12}e_{13})$ $(e_{14}e_{15})$ (f_7f_9) (f_8f_{10}) $(f_{11}f_{12})$ $(f_{14}f_{15})$	
63 	368, 386

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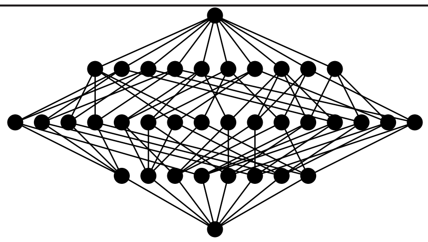
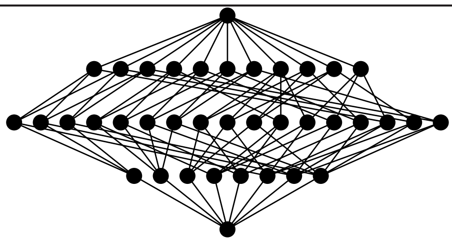
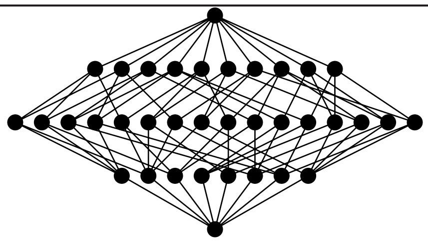
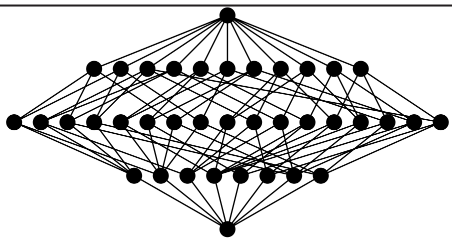
Face Lattice	Polytopes
64 	370, 411
(v_1v_7) (v_2v_8) (v_5v_6) (e_1e_{14}) (e_2e_{15}) (e_4e_7) (e_5e_{11}) (e_6e_{16}) (e_9e_{10}) $(e_{12}e_{13})$ (f_8f_{16}) $(f_{10}f_{13})$ $(f_{11}f_{15})$ (v_3v_5) (v_4v_6) (v_7v_8) (e_1e_2) (e_3e_4) (e_5e_6) (e_7e_8) $(e_{10}e_{12})$ $(e_{11}e_{15})$ $(e_{14}e_{16})$ (f_9f_{10}) $(f_{12}f_{13})$ $(f_{15}f_{16})$ (v_1v_3) (v_2v_4) (v_5v_7) (v_6v_8) (e_1e_5) (e_2e_{11}) (e_3e_9) (e_4e_{10}) (e_6e_{14}) (e_7e_{12}) (e_8e_{13}) (f_7f_{14}) (f_8f_{12}) (f_9f_{11}) $(f_{10}f_{15})$ $(f_{13}f_{16})$	
65 	374, 414, 416
66 	379, 425
67 	387, 393
(v_2v_7) (v_3v_8) (e_1e_3) (e_2e_4) (e_5e_{14}) (e_6e_{16}) (e_8e_{11}) (e_9e_{15}) $(e_{10}e_{17})$ (f_8f_{10}) $(f_{11}f_{16})$ $(f_{12}f_{15})$ $(f_{14}f_{17})$	

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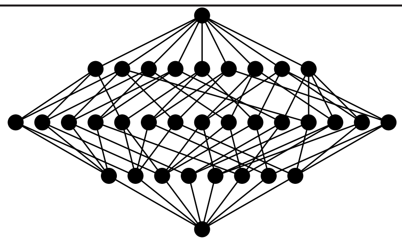
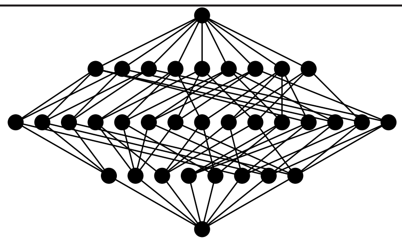
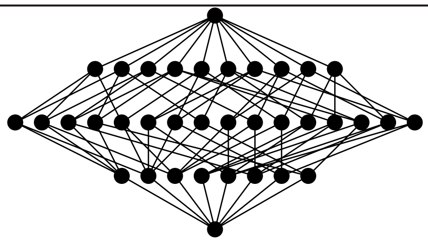
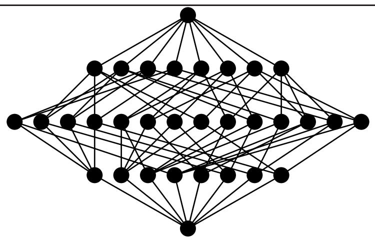
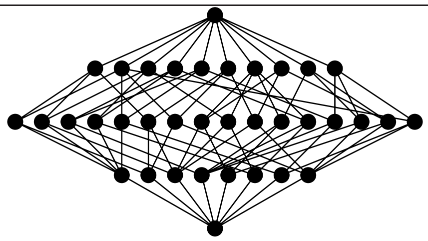
Face Lattice	Polytopes
68 	388, 430
69 	392
(v_2v_3) (v_6v_7) (e_1e_2) (e_5e_8) (e_6e_9) (e_7e_{10}) $(e_{12}e_{13})$ $(e_{14}e_{15})$ (f_8f_9) $(f_{12}f_{14})$ $(f_{13}f_{15})$	
70 	403
(v_1v_6) (v_2v_5) (v_4v_8) (e_1e_{15}) (e_2e_{10}) (e_4e_{13}) (e_5e_9) (e_7e_{16}) (e_8e_{12}) (f_7f_{14}) (f_8f_{16}) $(f_{11}f_{15})$	
71 (52) 	404
(v_2v_3) (v_7v_8) (e_3e_4) (e_6e_9) (e_7e_{10}) (e_8e_{11}) $(e_{13}e_{14})$ (f_7f_8) (f_9f_{10}) $(f_{13}f_{14})$ (v_1v_2) (v_3v_4) (v_5v_7) (v_6v_8) (e_1e_5) (e_2e_8) (e_3e_6) (e_4e_7) (e_9e_{13}) $(e_{10}e_{14})$ $(e_{11}e_{12})$ (f_8f_{13}) (f_9f_{11}) $(f_{10}f_{12})$	
72 	406

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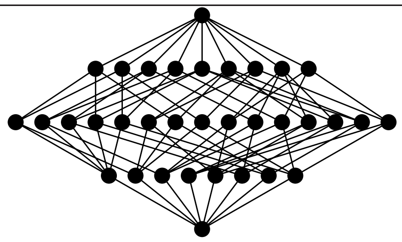
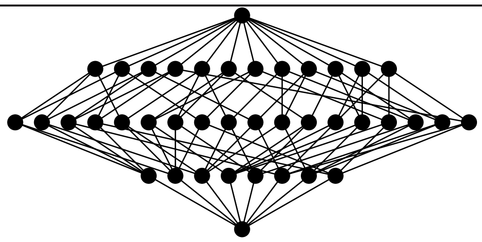
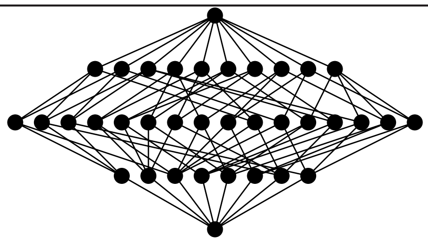
Face Lattice		Polytopes
(v_2v_7) (v_3v_4) (e_1e_5) (e_2e_3) (e_6e_{13}) (e_7e_{16}) (e_8e_{11}) (e_9e_{12}) $(e_{10}e_{14})$ (f_7f_{11}) (f_9f_{10}) $(f_{12}f_{16})$ $(f_{14}f_{15})$ (v_1v_8) (v_5v_6) (e_1e_7) (e_2e_{10}) (e_3e_{14}) (e_4e_{15}) (e_5e_{16}) (e_8e_9) $(e_{11}e_{12})$ (f_7f_{12}) (f_9f_{14}) $(f_{10}f_{15})$ $(f_{11}f_{16})$ $(v_1v_3v_8v_4)$ $(v_2v_5v_7v_6)$ $(e_1e_8e_{16}e_{12})$ $(e_2e_{10}e_{14}e_3)$ $(e_4e_6e_{15}e_{13})$ $(e_5e_9e_7e_{11})$ $(f_7f_{14}f_{16}f_{10})$ (f_8f_{13}) $(f_9f_{12}f_{15}f_{11})$		
73		418
(v_2v_3) (v_6v_7) (e_1e_2) (e_3e_4) (e_6e_9) (e_7e_{10}) (e_8e_{11}) $(e_{13}e_{14})$ (f_7f_9) (f_8f_{10}) $(f_{12}f_{14})$ $(f_{13}f_{15})$		
74		*419*
(v_2v_6) (v_5v_7) (e_1e_3) (e_5e_{10}) (e_6e_{13}) (e_7e_{17}) (e_8e_{18}) (e_9e_{11}) $(e_{12}e_{14})$ (f_7f_9) (f_8f_{10}) $(f_{11}f_{15})$ $(f_{12}f_{17})$ $(f_{13}f_{18})$ (v_1v_8) (v_3v_4) (e_1e_8) (e_2e_{15}) (e_3e_{18}) (e_5e_6) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{11}e_{14})$ (f_7f_{13}) (f_9f_{18}) $(f_{11}f_{12})$ $(f_{14}f_{16})$ $(f_{15}f_{17})$ (v_1v_5) (v_2v_3) (v_4v_6) (v_7v_8) (e_1e_9) (e_2e_7) (e_3e_{12}) (e_4e_{16}) (e_6e_{10}) (e_8e_{11}) $(e_{14}e_{18})$ $(e_{15}e_{17})$ (f_7f_{11}) (f_8f_{14}) (f_9f_{12}) $(f_{10}f_{16})$ $(f_{13}f_{15})$ $(f_{17}f_{18})$		
75		428
(v_1v_6) (v_5v_7) (e_1e_9) (e_2e_{15}) (e_3e_{16}) (e_6e_7) (e_8e_{10}) $(e_{12}e_{13})$ (f_7f_{14}) (f_8f_{15}) (f_9f_{16}) $(f_{10}f_{11})$ $(f_{12}f_{13})$		

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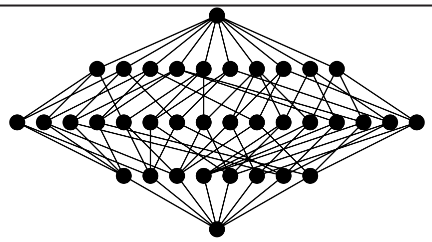
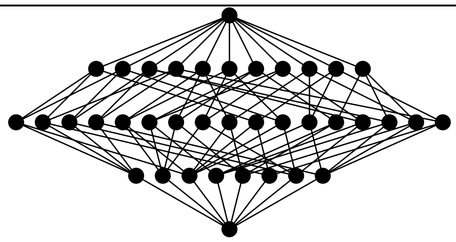
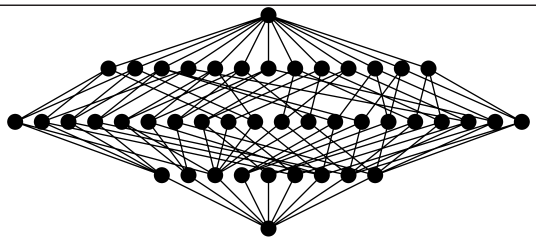
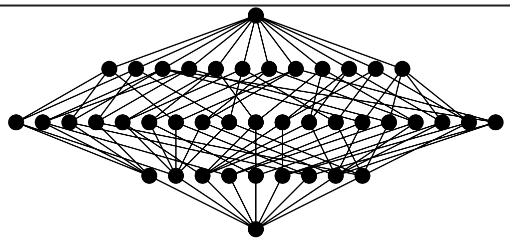
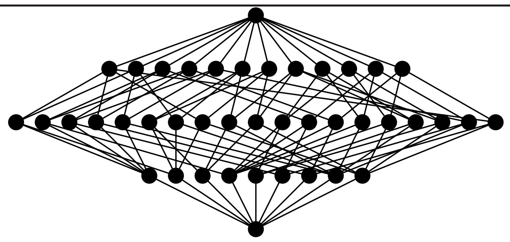
Face Lattice	Polytopes
76 	432, 434
77 	433

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 9 vertices.

Face Lattice	Polytopes
78 	437, 438
79 	439
80 	440, 453

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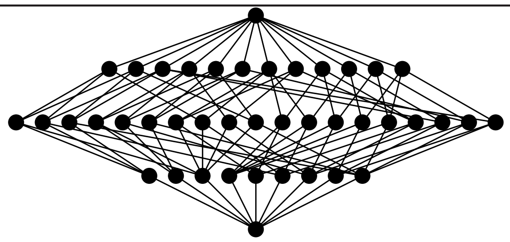
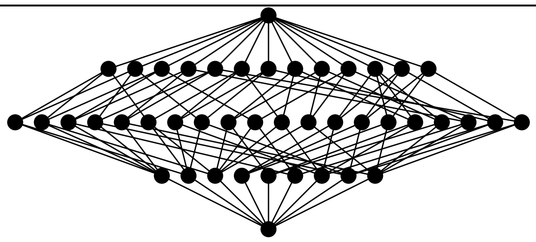
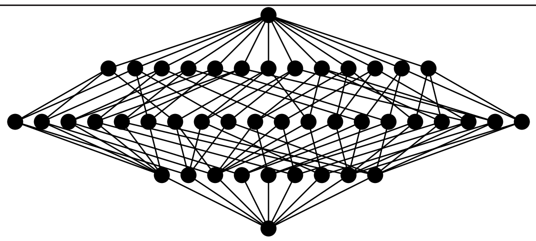
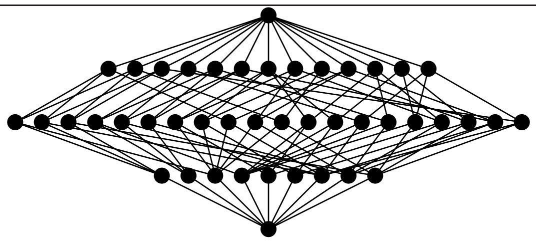
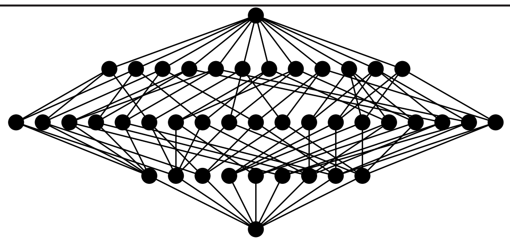
Face Lattice	Polytopes
81 	441
82 	442, 501, 516
83 	443, 445
(v_3v_9) (v_4v_6) (e_2e_6) (e_3e_4) (e_7e_9) $(e_{10}e_{17})$ $(e_{11}e_{15})$ $(e_{12}e_{19})$ $(e_{13}e_{20})$ $(e_{14}e_{18})$ (f_8f_9) $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{14}f_{15})$ $(f_{17}f_{20})$ $(f_{18}f_{19})$	
84 	444, 448
(v_1v_2) (v_3v_4) (v_5v_6) (v_8v_9) (e_1e_4) (e_2e_5) (e_3e_6) (e_7e_{13}) (e_8e_{12}) (e_9e_{14}) $(e_{10}e_{16})$ $(e_{11}e_{15})$ $(e_{17}e_{18})$ $(e_{19}e_{20})$ (f_8f_{11}) (f_9f_{12}) $(f_{10}f_{13})$ $(f_{15}f_{19})$ $(f_{16}f_{18})$ $(f_{17}f_{20})$	
85 	446, 464, 467, 475, 480, 495, 502, 512, 525
(v_1v_2) (v_5v_6) (v_8v_9) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{10}e_{11})$ $(e_{13}e_{14})$ $(e_{15}e_{17})$ $(e_{16}e_{18})$ $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{17}f_{18})$	

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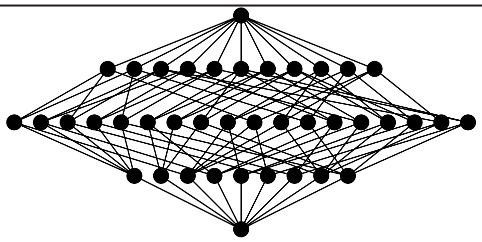
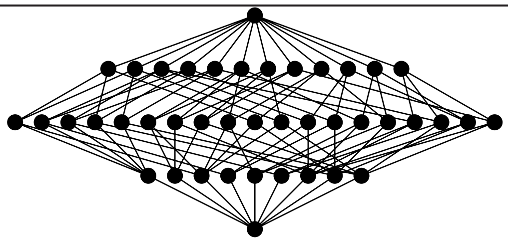
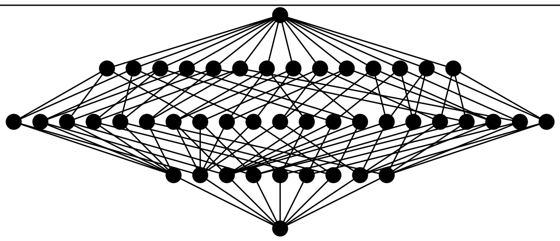
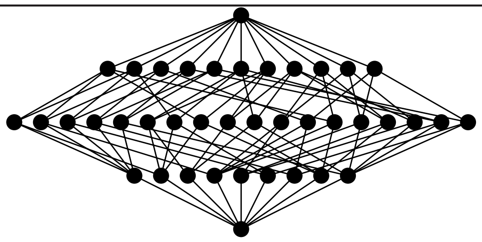
Face Lattice	Polytopes
86 	447, 482
87 	449
(v_2v_5) (v_4v_6) (v_8v_9) (e_2e_3) (e_4e_5) (e_6e_9) (e_7e_{14}) (e_8e_{15}) $(e_{10}e_{11})$ $(e_{12}e_{16})$ $(e_{13}e_{17})$ $(e_{18}e_{19})$ (f_8f_9) $(f_{11}f_{12})$ $(f_{14}f_{16})$ $(f_{15}f_{18})$ $(f_{17}f_{19})$ (v_1v_3) (v_2v_4) (v_5v_6) (v_8v_9) (e_2e_6) (e_3e_9) (e_4e_{11}) (e_5e_{10}) (e_7e_{12}) (e_8e_{13}) $(e_{14}e_{16})$ $(e_{15}e_{17})$ $(e_{18}e_{19})$ (f_8f_9) $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{12}f_{16})$ $(f_{15}f_{17})$ $(f_{18}f_{19})$	
88 	*450*
(v_1v_2) (v_5v_6) (v_8v_9) (e_2e_7) (e_3e_8) (e_4e_9) (e_5e_{10}) (e_6e_{11}) $(e_{12}e_{13})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ $(e_{19}e_{20})$ $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{12}f_{16})$ $(f_{13}f_{17})$ $(f_{18}f_{19})$	
89 	451
(v_1v_4) (v_2v_8) (v_5v_6) (e_1e_{13}) (e_3e_{11}) (e_4e_{12}) (e_5e_{14}) (e_6e_9) (e_7e_{15}) $(e_{16}e_{17})$ (f_9f_{16}) $(f_{11}f_{17})$ $(f_{12}f_{18})$ $(f_{13}f_{15})$	

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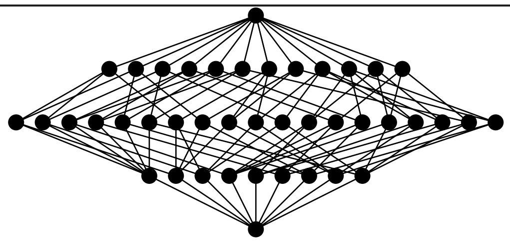
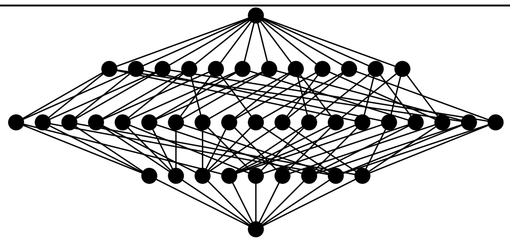
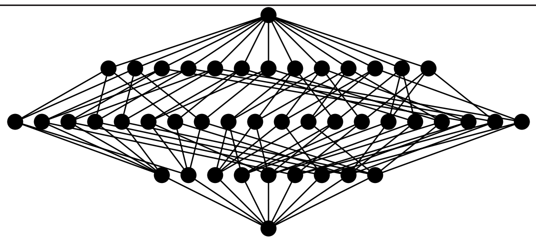
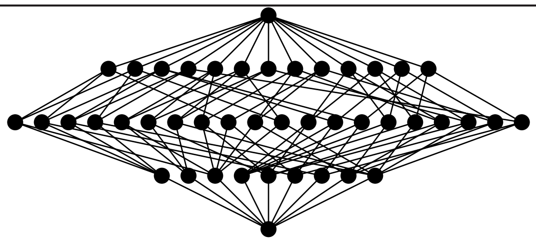
<table>
<tr><th>Face Lattice</th><th>Polytopes</th></tr>
<tr><td>90 </td><td>452, 455</td></tr>
<tr><td colspan="2">(v_3v_7) (v_4v_9) (e_2e_5) (e_3e_6) (e_7e_8) $(e_{10}e_{19})$ $(e_{11}e_{14})$ $(e_{12}e_{17})$ $(e_{13}e_{18})$ (f_8f_9) $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{14}f_{15})$ $(f_{16}f_{17})$</td></tr>
<tr><td>91 </td><td>454</td></tr>
<tr><td colspan="2">(v_1v_6) (v_3v_8) (v_5v_7) (e_1e_{13}) (e_2e_9) (e_3e_{17}) (e_4e_7) (e_5e_6) (e_8e_{18}) $(e_{11}e_{19})$ $(e_{12}e_{14})$ (f_8f_{15}) (f_9f_{19}) $(f_{10}f_{16})$ $(f_{11}f_{14})$</td></tr>
<tr><td>92 </td><td>456</td></tr>
<tr><td colspan="2">(v_3v_4) (v_6v_7) (v_8v_9) (e_2e_3) (e_4e_5) (e_7e_8) $(e_{10}e_{13})$ $(e_{11}e_{14})$ $(e_{12}e_{15})$ $(e_{16}e_{17})$ $(e_{19}e_{20})$ (f_8f_9) $(f_{11}f_{12})$ $(f_{13}f_{14})$ $(f_{17}f_{19})$ $(f_{18}f_{20})$
(v_1v_5) (v_3v_6) (v_4v_7) (v_8v_9) (e_1e_6) (e_2e_{10}) (e_3e_{13}) (e_4e_{17}) (e_5e_{16}) (e_7e_8) (e_9e_{18}) $(e_{11}e_{14})$ $(e_{12}e_{19})$ $(e_{15}e_{20})$ (f_8f_{14}) (f_9f_{13}) $(f_{10}f_{15})$ $(f_{11}f_{17})$ $(f_{12}f_{19})$ $(f_{18}f_{20})$
(v_1v_9) (v_3v_6) (v_5v_8) (e_1e_8) (e_2e_{12}) (e_3e_{20}) (e_4e_{17}) (e_6e_7) (e_9e_{14}) $(e_{10}e_{19})$ $(e_{11}e_{18})$ $(e_{13}e_{15})$ (f_8f_{14}) $(f_{10}f_{18})$ $(f_{11}f_{17})$ $(f_{15}f_{20})$</td></tr>
<tr><td>93 </td><td>457, 534</td></tr>
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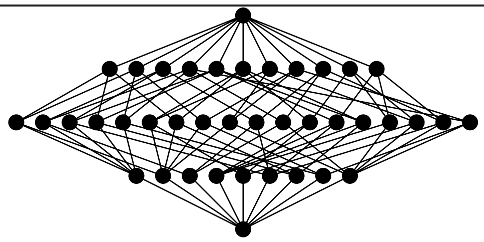
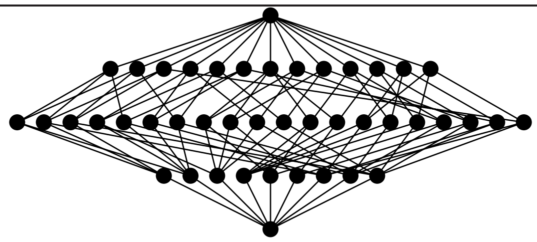
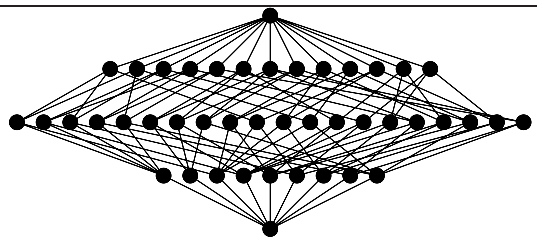
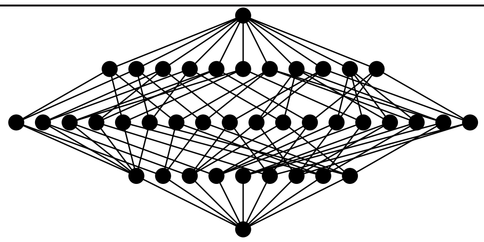
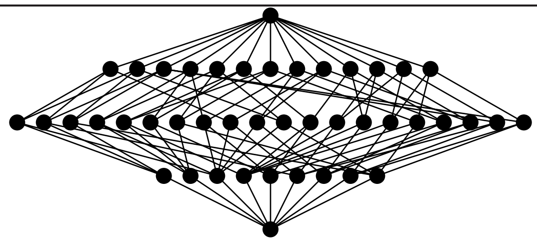
Face Lattice		Polytopes
94		458, 511
95		459, 460
(v_2v_7) (v_3v_4) (e_1e_2) (e_4e_{14}) (e_6e_{19}) (e_7e_{20}) (e_8e_{12}) (e_9e_{13}) $(e_{10}e_{15})$ $(e_{11}e_{16})$ (f_9f_{10}) $(f_{11}f_{19})$ $(f_{12}f_{20})$ $(f_{15}f_{17})$ $(f_{16}f_{18})$		
96		461, 515
(v_1v_5) (v_2v_8) (v_6v_7) (e_1e_9) (e_2e_{13}) (e_3e_{17}) (e_4e_7) (e_5e_{18}) (e_6e_{16}) (e_8e_{20}) $(e_{10}e_{11})$ $(e_{14}e_{15})$ (f_8f_{16}) (f_9f_{17}) $(f_{10}f_{19})$ $(f_{11}f_{13})$ $(f_{12}f_{15})$		
97		462, 463
(v_3v_4) (v_8v_9) (e_2e_3) (e_5e_6) (e_7e_8) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{11}e_{14})$ $(e_{16}e_{17})$ (f_8f_9) $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{15}f_{17})$ $(f_{16}f_{18})$		
98		465

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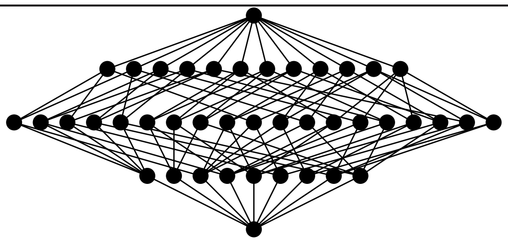
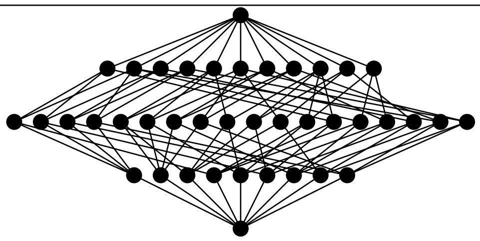
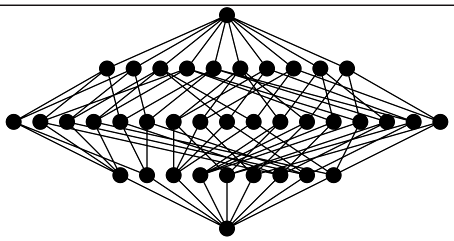
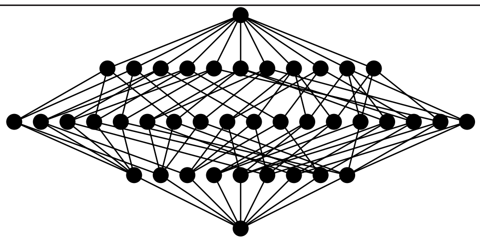
Face Lattice	Polytopes
(v_2v_7) (v_6v_9) (e_2e_3) (e_4e_{10}) (e_5e_{14}) (e_6e_{17}) (e_7e_{18}) (e_9e_{11}) $(e_{13}e_{16})$ $(e_{19}e_{20})$ (f_8f_9) $(f_{11}f_{15})$ $(f_{12}f_{16})$ $(f_{13}f_{17})$ $(f_{14}f_{18})$ $(f_{19}f_{20})$ (v_1v_8) (v_3v_4) (e_1e_{15}) (e_2e_{19}) (e_3e_{20}) (e_4e_5) (e_8e_{12}) (e_9e_{13}) $(e_{10}e_{14})$ $(e_{11}e_{16})$ (f_8f_{19}) (f_9f_{20}) $(f_{11}f_{13})$ $(f_{12}f_{14})$ $(f_{15}f_{17})$ $(f_{16}f_{18})$	
99 	466
100 	468
(v_2v_5) (v_4v_9) (v_6v_8) (e_1e_4) (e_2e_3) (e_5e_9) (e_7e_{15}) (e_8e_{12}) $(e_{10}e_{11})$ $(e_{13}e_{18})$ $(e_{14}e_{17})$ (f_8f_{11}) $(f_{13}f_{16})$ $(f_{15}f_{18})$ (v_1v_2) (v_3v_4) (v_5v_6) (v_7v_8) (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) (e_9e_{13}) $(e_{10}e_{12})$ $(e_{11}e_{14})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ (f_8f_{12}) (f_9f_{13}) $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{17}f_{18})$	
101 	469
(v_3v_4) (v_7v_8) (e_2e_3) (e_5e_6) (e_7e_{11}) (e_8e_{12}) (e_9e_{13}) $(e_{10}e_{14})$ $(e_{15}e_{16})$ (f_8f_9) $(f_{10}f_{11})$ $(f_{14}f_{16})$ $(f_{15}f_{17})$ (v_1v_9) (v_2v_6) (v_3v_7) (v_4v_8) (e_1e_{17}) (e_2e_{10}) (e_3e_{14}) (e_5e_8) (e_6e_{12}) (e_7e_{15}) (e_9e_{13}) $(e_{11}e_{16})$ (f_8f_{15}) (f_9f_{17}) $(f_{10}f_{11})$ $(f_{12}f_{13})$ $(f_{14}f_{16})$	
102 	470, 500, 520

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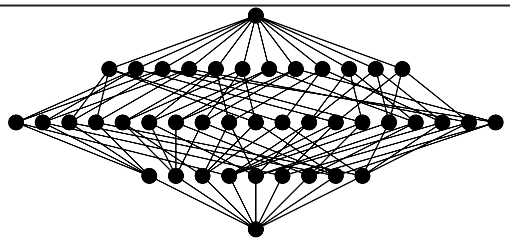
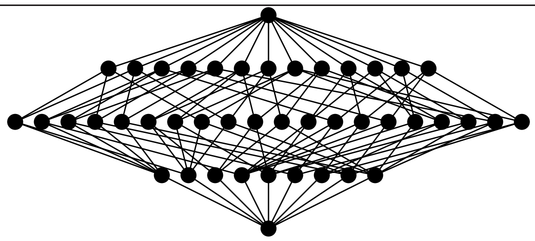
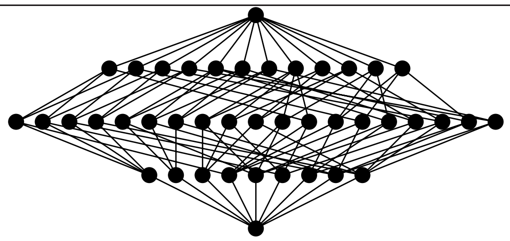
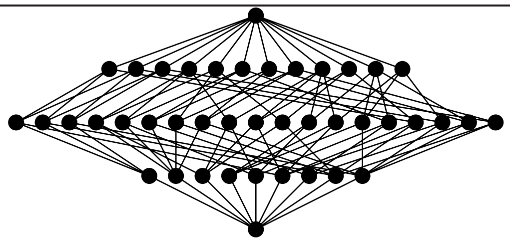
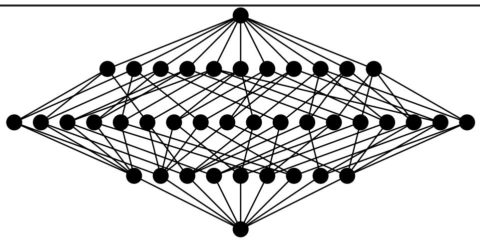
Face Lattice	Polytopes
(v_2v_6) (v_3v_8) (v_4v_7) (e_1e_3) (e_2e_4) (e_6e_{13}) (e_7e_{10}) (e_8e_{17}) (e_9e_{16}) $(e_{12}e_{15})$ $(e_{14}e_{18})$ (f_8f_{10}) (f_9f_{12}) $(f_{13}f_{15})$ $(f_{14}f_{18})$	
103 	471
(v_3v_7) (v_4v_9) (e_1e_4) (e_5e_7) (e_9e_{16}) $(e_{10}e_{19})$ $(e_{11}e_{14})$ $(e_{12}e_{17})$ $(e_{13}e_{18})$ (f_8f_{10}) (f_9f_{11}) $(f_{12}f_{14})$ $(f_{13}f_{15})$ $(f_{16}f_{17})$	
104 	472
105 	473
106 	474
107 	476
(v_1v_3) (v_4v_8) (v_5v_7) (e_1e_6) (e_3e_{12}) (e_4e_{11}) (e_5e_{10}) (e_7e_8) $(e_{13}e_{16})$ $(e_{14}e_{18})$ $(e_{15}e_{17})$ (f_9f_{13}) $(f_{11}f_{17})$ $(f_{12}f_{16})$ $(f_{14}f_{15})$	

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<table>
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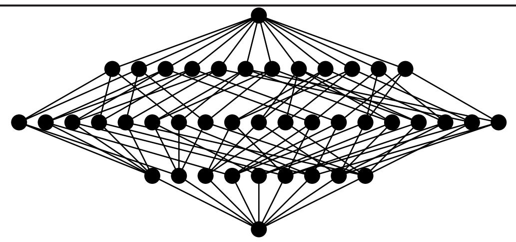
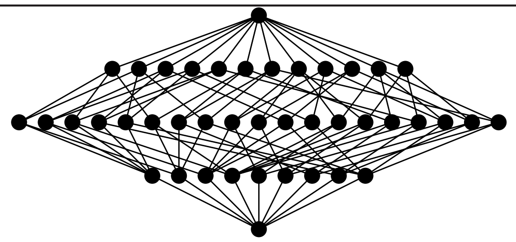
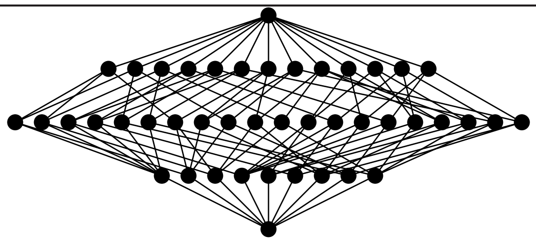
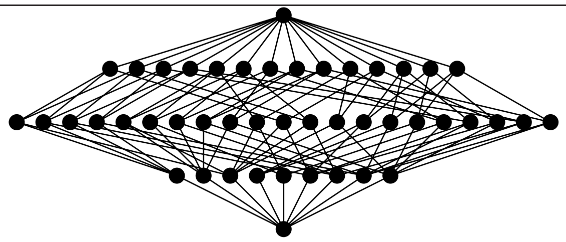
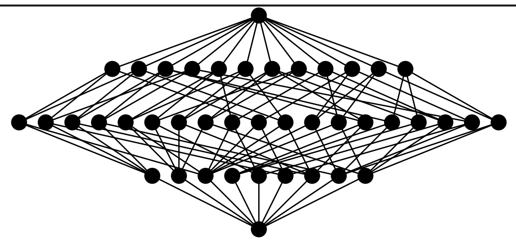
<tr><td>108</td><td></td><td>477, 504</td></tr>
<tr><td>109</td><td></td><td>478</td></tr>
<tr><td colspan="3">(v_2v_8) (v_3v_9) (v_6v_7) (e_1e_4) (e_2e_5) (e_6e_{16}) (e_7e_{18}) (e_8e_{11}) (e_9e_{17}) $(e_{10}e_{19})$ $(e_{14}e_{15})$ (f_8f_{12}) (f_9f_{10}) $(f_{13}f_{19})$ $(f_{14}f_{17})$ $(f_{15}f_{18})$</td></tr>
<tr><td>110</td><td></td><td>479</td></tr>
<tr><td>111</td><td></td><td>481</td></tr>
<tr><td colspan="3">(v_1v_7) (v_2v_6) (v_3v_8) (v_4v_5) (e_1e_{20}) (e_2e_7) (e_4e_{12}) (e_5e_{18}) (e_6e_{14}) (e_8e_{11}) (e_9e_{19}) $(e_{10}e_{15})$ $(e_{13}e_{21})$ $(e_{16}e_{17})$ (f_8f_{15}) (f_9f_{11}) $(f_{10}f_{13})$ $(f_{12}f_{19})$ $(f_{14}f_{20})$ $(f_{16}f_{18})$ $(f_{17}f_{21})$</td></tr>
<tr><td>112</td><td></td><td>483</td></tr>
<tr><td colspan="3">(v_1v_2) (v_5v_6) (v_8v_9) (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) (e_9e_{10}) $(e_{12}e_{13})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ (f_8f_{12}) (f_9f_{13}) $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{16}f_{17})$</td></tr>
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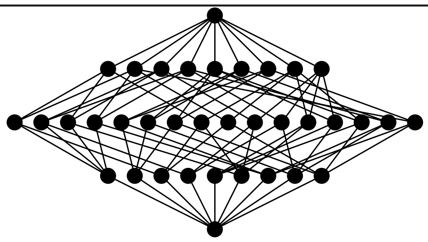
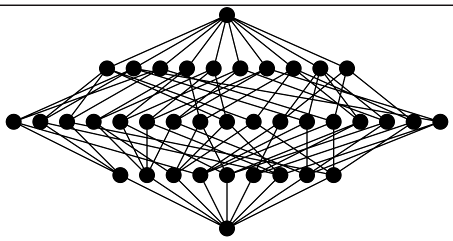
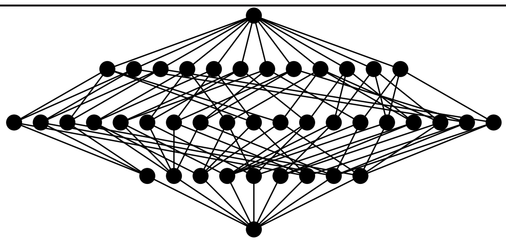
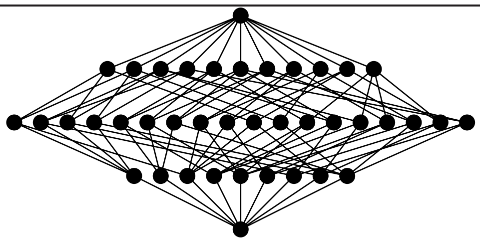
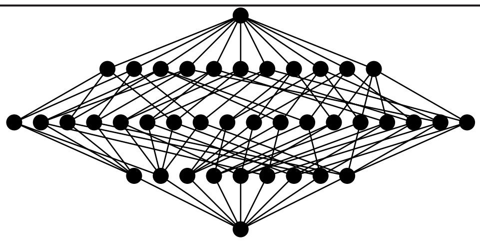
<tr><td>113 </td><td>484</td></tr>
<tr><td colspan="2">(v_3v_4) (v_8v_9) (e_1e_2) (e_6e_7) (e_8e_{10}) (e_9e_{11}) $(e_{13}e_{14})$ $(e_{15}e_{16})$ (f_8f_{10}) (f_9f_{11}) $(f_{13}f_{14})$ $(f_{15}f_{16})$</td></tr>
<tr><td>114 </td><td>485</td></tr>
<tr><td colspan="2">(v_1v_6) (v_5v_7) (e_1e_{11}) (e_2e_{14}) (e_3e_{16}) (e_5e_6) (e_8e_9) $(e_{15}e_{17})$ (f_8f_{15}) (f_9f_{16}) $(f_{10}f_{17})$ $(f_{11}f_{12})$ $(f_{13}f_{14})$
(v_3v_8) (v_4v_9) (e_1e_3) (e_4e_7) (e_8e_{15}) (e_9e_{17}) $(e_{10}e_{12})$ $(e_{11}e_{16})$ (f_8f_9) $(f_{11}f_{13})$ $(f_{12}f_{14})$ $(f_{15}f_{16})$</td></tr>
<tr><td>115 </td><td>486</td></tr>
<tr><td colspan="2">(v_1v_6) (v_4v_8) (v_5v_7) (e_1e_{16}) (e_2e_{13}) (e_3e_{17}) (e_5e_8) (e_6e_7) (e_9e_{10}) $(e_{12}e_{18})$ $(e_{15}e_{19})$ (f_8f_{16}) (f_9f_{17}) $(f_{10}f_{18})$ $(f_{11}f_{12})$ $(f_{13}f_{15})$</td></tr>
<tr><td>116 </td><td>487</td></tr>
<tr><td>117 </td><td>488, 531</td></tr>
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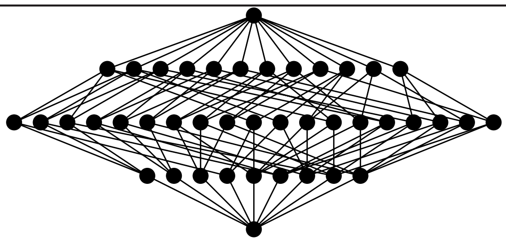
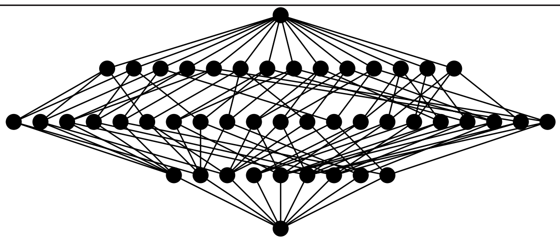
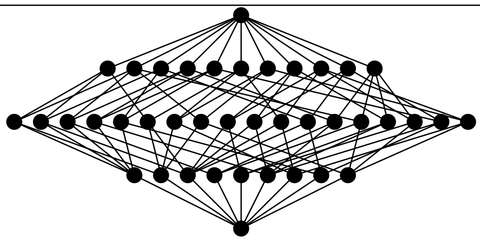
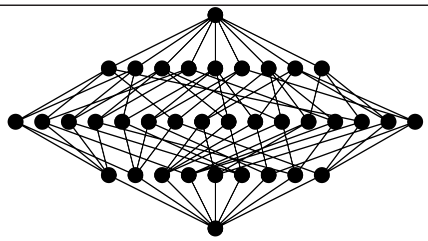
Face Lattice		Polytopes
118		489
(v_1v_4) (v_2v_3) (v_5v_6) (v_7v_8) (e_2e_{10}) (e_3e_{11}) (e_4e_7) (e_5e_8) (e_6e_9) $(e_{12}e_{16})$ $(e_{13}e_{15})$ $(e_{14}e_{17})$ $(e_{18}e_{19})$ (f_8f_9) $(f_{10}f_{17})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{13}f_{16})$ $(f_{18}f_{19})$ (v_2v_3) (v_5v_7) (v_6v_8) (e_2e_3) (e_4e_8) (e_5e_7) (e_6e_9) $(e_{10}e_{11})$ $(e_{13}e_{15})$ $(e_{14}e_{18})$ $(e_{17}e_{19})$ (f_8f_9) $(f_{11}f_{14})$ $(f_{12}f_{16})$ $(f_{13}f_{15})$		
119		*490*
(v_1v_2) (v_5v_6) (v_8v_9) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{18}e_{20})$ $(e_{19}e_{21})$ $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{17}f_{18})$ $(f_{20}f_{21})$ $(v_1v_2v_7)$ $(v_3v_5v_6)$ $(v_4v_9v_8)$ $(e_1e_8e_4)$ $(e_2e_7e_{20})$ $(e_3e_6e_{18})$ $(e_5e_9e_{16})$ $(e_{10}e_{17}e_{11})$ $(e_{12}e_{14}e_{21})$ $(e_{13}e_{19}e_{15})$ $(f_8f_{14}f_{11})$ $(f_{10}f_{15}f_{21})$ $(f_{12}f_{13}f_{20})$ $(f_{17}f_{19}f_{18})$		
120		491
121 (121)		492
(v_2v_4) (v_5v_7) (v_6v_8) (e_1e_2) (e_3e_4) (e_5e_{13}) (e_6e_{12}) (e_7e_{14}) (e_8e_{10}) (e_9e_{11}) $(e_{15}e_{16})$ (f_9f_{11}) $(f_{12}f_{14})$ $(f_{13}f_{16})$ (v_1v_2) (v_4v_9) (v_7v_8) (e_2e_7) (e_3e_5) (e_4e_6) $(e_{10}e_{11})$ $(e_{12}e_{15})$ $(e_{13}e_{16})$ $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{14}f_{15})$		

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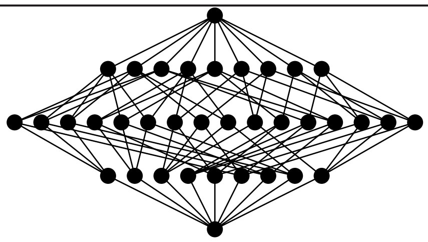
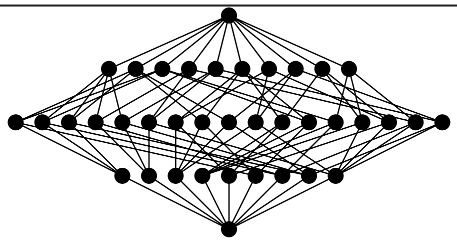
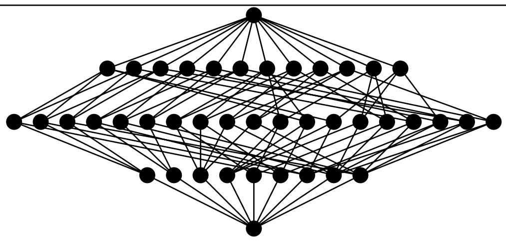
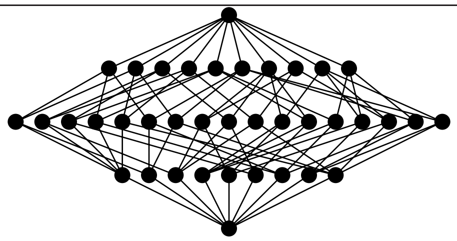
Face Lattice	Polytopes
122 (122) 	493
(v_1v_2) (v_5v_6) (e_1e_4) (e_2e_5) (e_3e_6) (e_7e_8) $(e_{11}e_{12})$ $(e_{15}e_{16})$ (f_9f_{11}) $(f_{10}f_{12})$ $(f_{13}f_{14})$ $(f_{15}f_{16})$ (v_3v_4) (v_7v_8) (e_2e_3) (e_5e_6) (e_7e_{11}) (e_8e_{12}) (e_9e_{13}) $(e_{10}e_{14})$ (f_9f_{10}) $(f_{11}f_{12})$ $(f_{13}f_{15})$ $(f_{14}f_{16})$ (v_1v_7) (v_2v_8) (v_3v_5) (v_4v_6) (e_1e_{13}) (e_3e_5) (e_4e_9) (e_8e_{11}) $(e_{10}e_{15})$ $(e_{14}e_{16})$ (f_9f_{12}) $(f_{14}f_{15})$	
123 	494
(v_3v_4) (v_7v_8) (e_2e_3) (e_4e_5) (e_7e_{11}) (e_8e_{12}) (e_9e_{13}) $(e_{10}e_{14})$ $(e_{16}e_{17})$ (f_9f_{10}) $(f_{11}f_{12})$ $(f_{14}f_{16})$ $(f_{15}f_{17})$ (v_1v_6) (v_2v_5) (v_3v_7) (v_4v_8) (e_2e_8) (e_3e_{12}) (e_4e_7) (e_5e_{11}) (e_6e_{15}) (e_9e_{13}) $(e_{10}e_{16})$ $(e_{14}e_{17})$ (f_8f_{13}) (f_9f_{10}) $(f_{11}f_{14})$ $(f_{12}f_{16})$ $(f_{15}f_{17})$	
124 	496
125 	497

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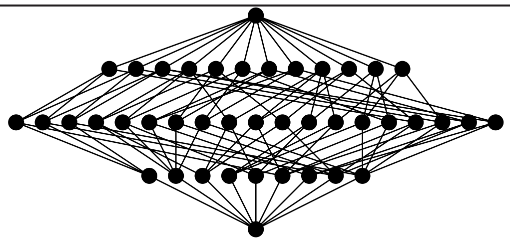
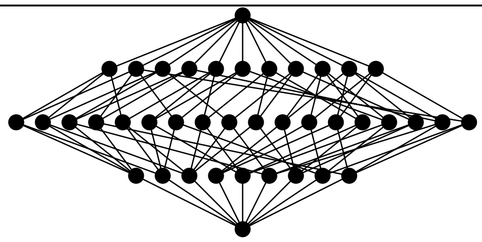
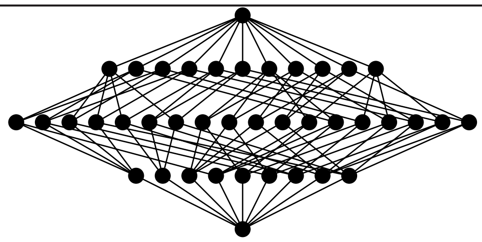
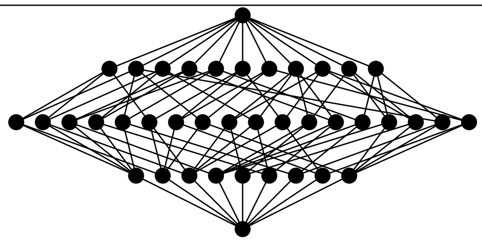
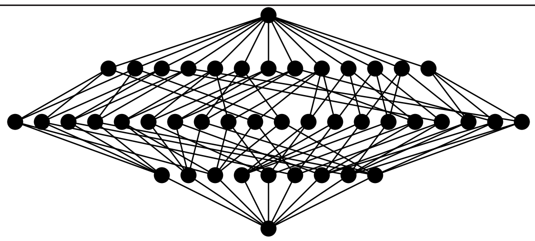
Face Lattice	Polytopes
126 	498
127 	499, 513, 536
(v_1v_2) (v_5v_6) (v_8v_9) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{12}e_{13})$ $(e_{14}e_{16})$ $(e_{15}e_{17})$ $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{14}f_{15})$ $(f_{16}f_{17})$	
128 	503
129 	505
130 	506
(v_1v_2) (v_5v_6) (v_7v_8) (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) (e_9e_{10}) $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ $(e_{19}e_{20})$ (f_8f_{12}) (f_9f_{13}) $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{17}f_{18})$	

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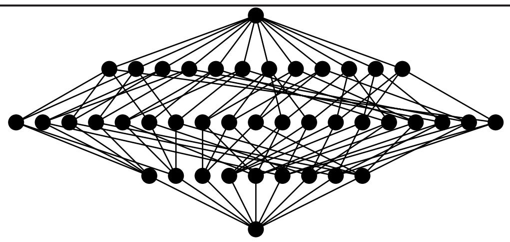
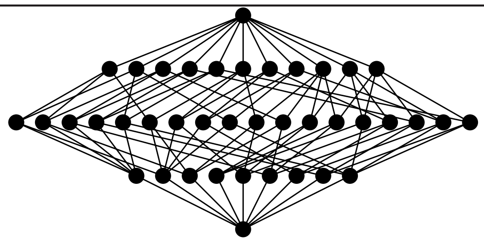
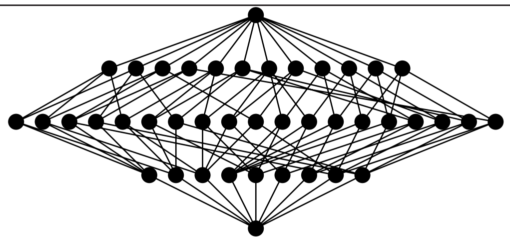
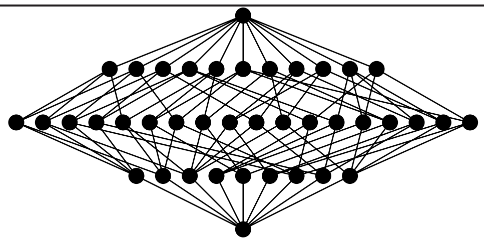
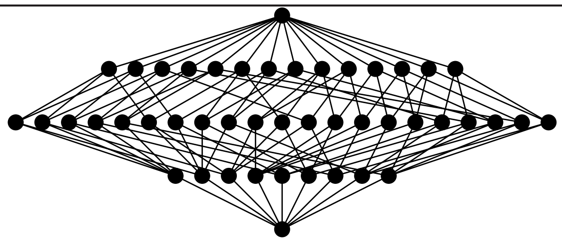
Face Lattice	Polytopes
131 	507
(v_1v_2) (v_5v_6) (v_7v_8) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{11}e_{12})$ $(e_{13}e_{14})$ $(e_{15}e_{17})$ $(e_{16}e_{18})$ $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{15}f_{16})$ $(f_{17}f_{18})$	
132 	508
(v_1v_2) (v_5v_6) (v_7v_8) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{17}f_{18})$	
133 	509, 522
134 	510
135 	*514*

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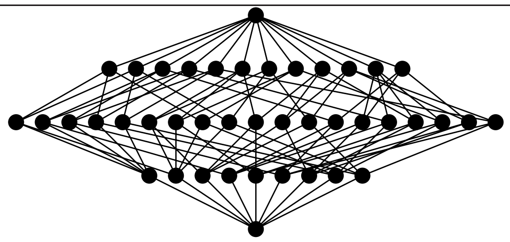
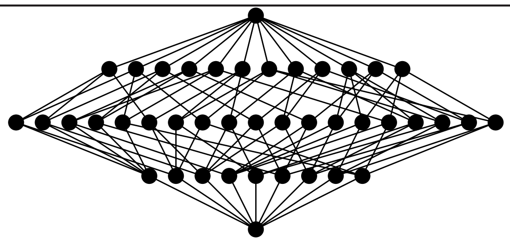
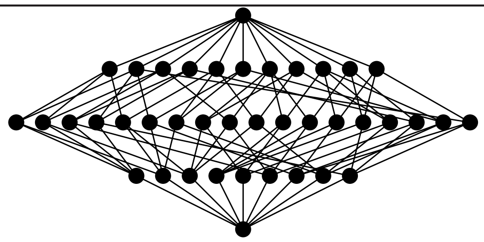
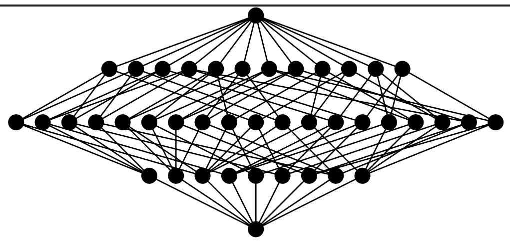
<tr><th>Face Lattice</th><th>Polytopes</th></tr>
<tr><td colspan="2">(v_2v_3) (v_4v_8) (v_5v_7) (e_1e_2) (e_3e_4) (e_7e_{12}) (e_8e_{11}) (e_9e_{10}) $(e_{13}e_{19})$ $(e_{14}e_{17})$ $(e_{16}e_{21})$ $(e_{18}e_{20})$ (f_9f_{10}) $(f_{11}f_{12})$ $(f_{14}f_{17})$ $(f_{15}f_{16})$ $(f_{19}f_{21})$
(v_1v_2) (v_6v_7) (v_8v_9) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{11}e_{12})$ $(e_{13}e_{14})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ $(e_{19}e_{20})$ $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{16}f_{17})$ $(f_{18}f_{19})$
(v_1v_4) (v_2v_8) (v_3v_9) (v_5v_6) (e_1e_{15}) (e_2e_{16}) (e_3e_{13}) (e_4e_{14}) (e_5e_{10}) (e_6e_{21}) (e_7e_{19}) (e_8e_{17}) $(e_{11}e_{18})$ $(e_{12}e_{20})$ (f_8f_{20}) (f_9f_{18}) $(f_{10}f_{19})$ $(f_{11}f_{16})$ $(f_{12}f_{17})$ $(f_{13}f_{21})$ $(f_{14}f_{15})$</td></tr>
<tr><td>136 </td><td>517, 519, 529</td></tr>
<tr><td colspan="2">(v_1v_2) (v_3v_4) (v_5v_6) (v_8v_9) (e_2e_6) (e_3e_7) (e_4e_9) (e_5e_8) $(e_{10}e_{13})$ $(e_{11}e_{14})$ $(e_{12}e_{15})$ $(e_{16}e_{18})$ $(e_{17}e_{19})$ (f_8f_9) $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{16}f_{19})$ $(f_{17}f_{18})$
(v_3v_5) (v_4v_6) (v_8v_9) (e_2e_3) (e_4e_5) (e_6e_7) (e_8e_9) $(e_{11}e_{16})$ $(e_{12}e_{17})$ $(e_{14}e_{18})$ $(e_{15}e_{19})$ (f_8f_9) $(f_{11}f_{12})$ $(f_{14}f_{15})$ $(f_{17}f_{18})$</td></tr>
<tr><td>137 </td><td>518</td></tr>
<tr><td>138 </td><td>521, 540</td></tr>
<tr><td>139 </td><td>523</td></tr>
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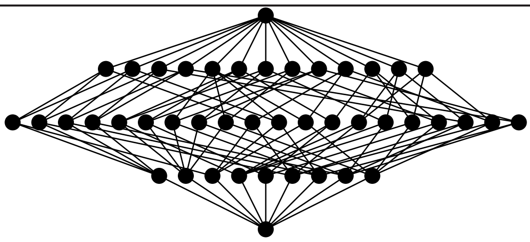
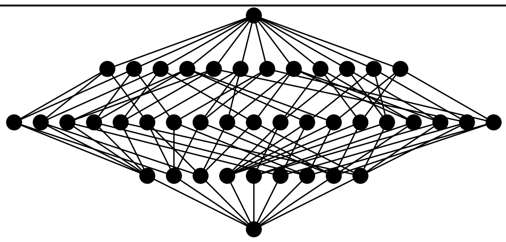
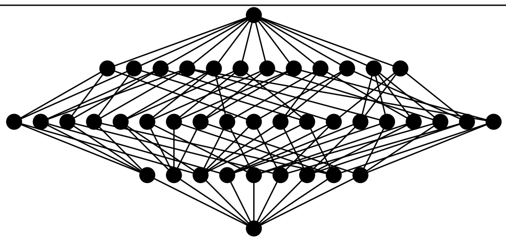
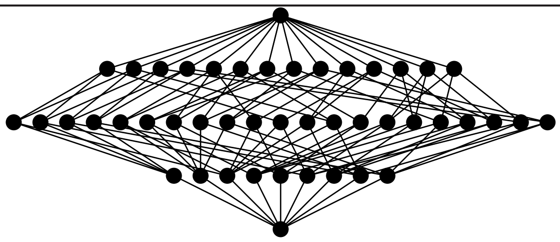
<tr><td>140</td><td></td><td>524</td></tr>
<tr><td colspan="3">$(v_2v_9)\ (v_3v_7)\ (v_6v_8)\ (e_1e_3)\ (e_2e_4)\ (e_5e_{16})\ (e_6e_{17})\ (e_7e_{12})\ (e_8e_{19})\ (e_{10}e_{20})\ (e_{14}e_{15})\ (f_8f_{11})$
$(f_{13}f_{18})\ (f_{14}f_{20})\ (f_{16}f_{17})$</td></tr>
<tr><td>141</td><td></td><td>526</td></tr>
<tr><td colspan="3">$(v_1v_8)\ (v_3v_7)\ (v_4v_9)\ (v_5v_6)\ (e_1e_8)\ (e_2e_{19})\ (e_3e_{16})\ (e_4e_9)\ (e_5e_{14})\ (e_6e_7)\ (e_{10}e_{13})\ (e_{11}e_{18})$
$(e_{12}e_{17})\ (f_8f_{14})\ (f_9f_{13})\ (f_{10}f_{19})\ (f_{11}f_{15})\ (f_{12}f_{16})\ (f_{17}f_{18})$</td></tr>
<tr><td>142</td><td></td><td>527, 537</td></tr>
<tr><td colspan="3">$(v_1v_5)\ (v_2v_6)\ (v_4v_9)\ (v_7v_8)\ (e_1e_9)\ (e_2e_{17})\ (e_3e_6)\ (e_4e_{16})\ (e_5e_{10})\ (e_7e_{18})\ (e_8e_{13})\ (e_{11}e_{12})$
$(e_{14}e_{19})\ (f_8f_{12})\ (f_9f_{16})\ (f_{10}f_{14})\ (f_{11}f_{18})\ (f_{13}f_{17})\ (f_{15}f_{19})$
$(v_1v_7)\ (v_5v_8)\ (e_1e_{11})\ (e_2e_{14})\ (e_3e_{18})\ (e_4e_{16})\ (e_6e_7)\ (e_9e_{12})\ (e_{17}e_{19})\ (f_8f_{17})\ (f_9f_{16})\ (f_{10}f_{19})$
$(f_{11}f_{18})\ (f_{12}f_{13})\ (f_{14}f_{15})$</td></tr>
<tr><td>143</td><td></td><td>*528*</td></tr>
<tr><td colspan="3">$(v_1v_5)\ (v_2v_6)\ (v_4v_9)\ (v_7v_8)\ (e_1e_{10})\ (e_2e_7)\ (e_3e_{18})\ (e_4e_{14})\ (e_5e_{11})\ (e_6e_{20})\ (e_8e_{19})\ (e_9e_{15})$
$(e_{12}e_{13})\ (e_{16}e_{21})\ (f_8f_{12})\ (f_9f_{17})\ (f_{10}f_{14})\ (f_{11}f_{19})\ (f_{13}f_{18})\ (f_{15}f_{21})\ (f_{16}f_{20})$
$(v_1v_7)\ (v_4v_9)\ (v_5v_8)\ (e_1e_{12})\ (e_2e_{19})\ (e_3e_{18})\ (e_4e_{16})\ (e_6e_9)\ (e_7e_8)\ (e_{10}e_{13})\ (e_{14}e_{21})\ (e_{15}e_{20})$
$(f_8f_{18})\ (f_9f_{17})\ (f_{10}f_{20})\ (f_{11}f_{19})\ (f_{12}f_{13})\ (f_{14}f_{16})$</td></tr>
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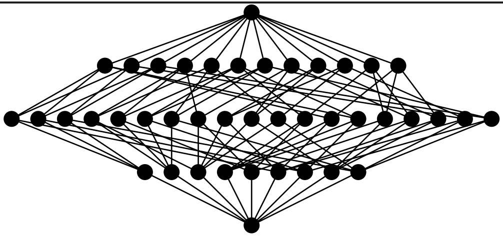
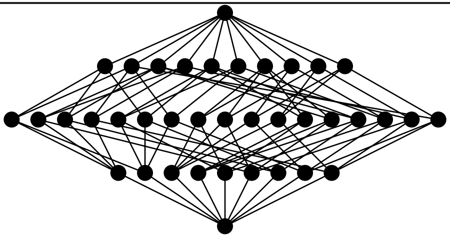
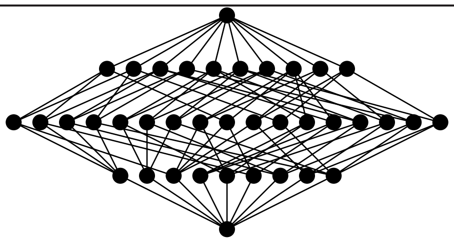
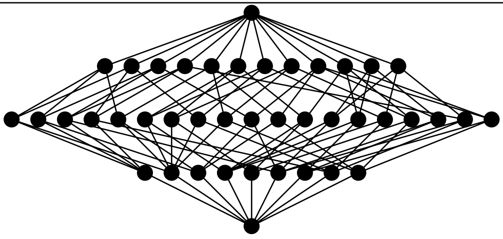
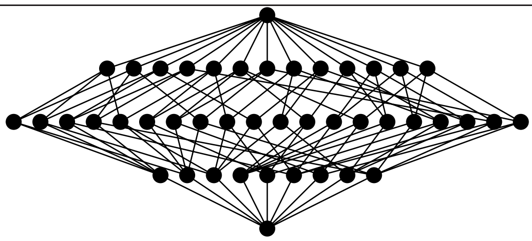
Face Lattice	Polytopes
144 	530
145 	532
(v_1v_2) (v_5v_6) (v_8v_9) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{15}e_{16})$ $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{15}f_{16})$	
146 	533
147 	535
148 	538

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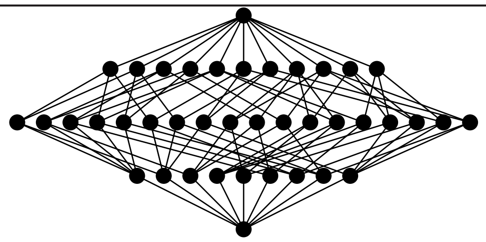
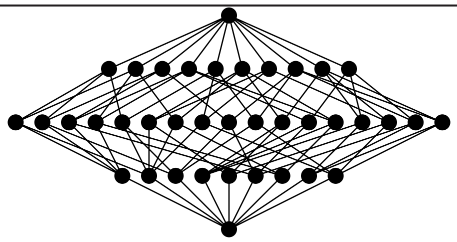
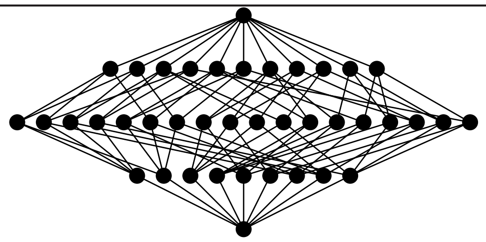
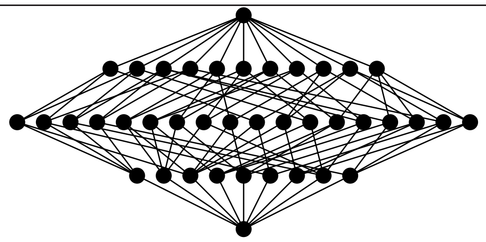
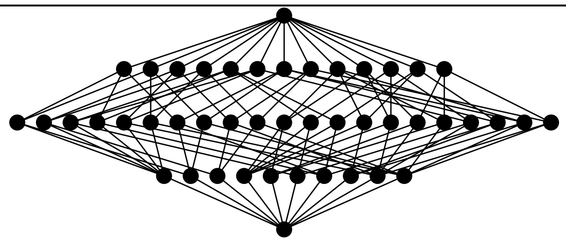
Face Lattice		Polytopes
149		539
(v_1v_9) (v_3v_4) (v_5v_6) (v_7v_8) (e_1e_8) (e_2e_{15}) (e_3e_{16}) (e_4e_{18}) (e_5e_{17}) (e_6e_7) (e_9e_{13}) $(e_{10}e_{12})$ $(e_{11}e_{14})$ (f_8f_{14}) (f_9f_{13}) $(f_{10}f_{17})$ $(f_{11}f_{18})$ $(f_{12}f_{16})$		
150		541
151		542
152		543

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 10 vertices.

Face Lattice		Polytopes
153		544

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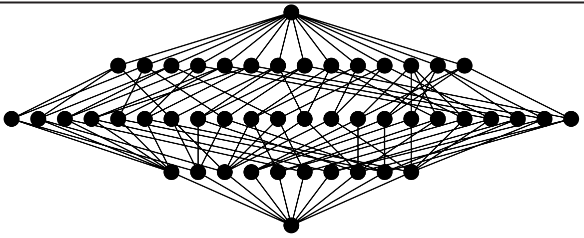
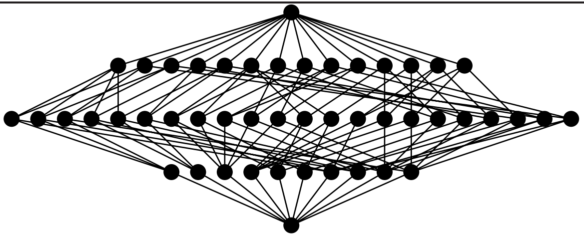
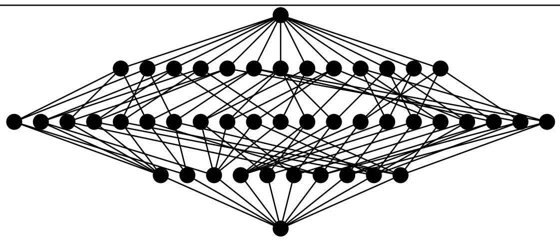
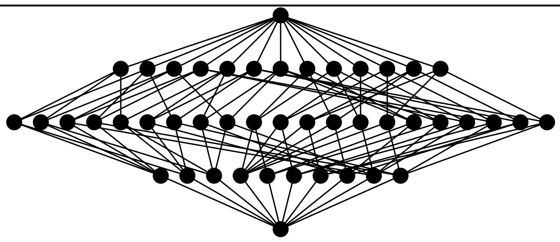
Face Lattice		Polytopes
154		545
(v_1v_3) (v_5v_7) (v_8v_9) (e_1e_7) (e_3e_{11}) (e_4e_{10}) (e_5e_{12}) (e_6e_{13}) (e_8e_9) $(e_{14}e_{15})$ $(e_{17}e_{20})$ $(e_{18}e_{21})$ $(f_{10}f_{15})$ $(f_{12}f_{19})$ $(f_{13}f_{17})$ $(f_{14}f_{18})$ $(f_{20}f_{21})$		
155		546
(v_3v_4) (v_7v_8) (e_1e_2) (e_4e_5) (e_7e_{12}) (e_8e_{13}) (e_9e_{14}) $(e_{10}e_{15})$ $(e_{11}e_{16})$ $(e_{19}e_{21})$ $(e_{20}e_{22})$ $(f_{10}f_{11})$ $(f_{12}f_{13})$ $(f_{15}f_{19})$ $(f_{16}f_{20})$ $(f_{17}f_{21})$ $(f_{18}f_{22})$ (v_1v_2) (v_5v_6) (v_9v_{10}) (e_1e_4) (e_2e_5) (e_3e_6) (e_7e_8) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ $(e_{19}e_{20})$ $(e_{21}e_{22})$ $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{15}f_{16})$ $(f_{17}f_{18})$ $(f_{19}f_{20})$ $(f_{21}f_{22})$ (v_1v_5) (v_2v_6) (v_3v_7) (v_4v_8) (v_9v_{10}) (e_1e_7) (e_2e_{12}) (e_3e_{17}) (e_4e_8) (e_5e_{13}) (e_6e_{18}) (e_9e_{14}) $(e_{10}e_{20})$ $(e_{11}e_{19})$ $(e_{15}e_{22})$ $(e_{16}e_{21})$ (f_9f_{14}) $(f_{10}f_{15})$ $(f_{11}f_{19})$ $(f_{12}f_{16})$ $(f_{13}f_{20})$ $(f_{17}f_{22})$ $(f_{18}f_{21})$		
156		547, 562
(v_1v_9) (v_2v_6) (v_3v_7) (v_4v_{10}) (v_5v_8) (e_1e_{18}) (e_2e_{20}) (e_3e_{10}) (e_5e_{16}) (e_6e_9) (e_7e_{13}) (e_8e_{19}) $(e_{11}e_{14})$ $(e_{12}e_{21})$ $(e_{15}e_{17})$ (f_9f_{17}) $(f_{10}f_{19})$ $(f_{11}f_{13})$ $(f_{12}f_{21})$ $(f_{14}f_{15})$ $(f_{16}f_{20})$		
157		548

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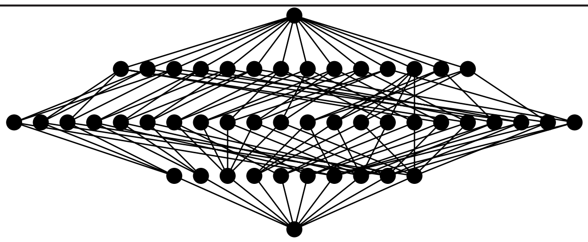
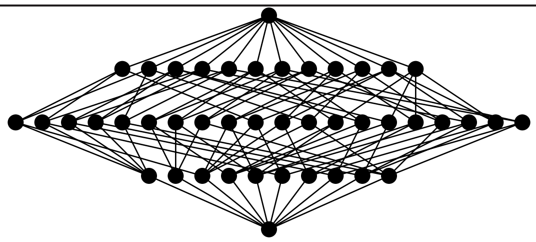
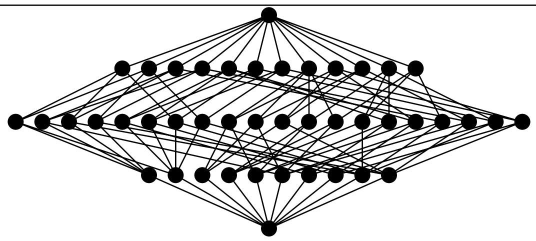
<table>
<tr><th>Face Lattice</th><th>Polytopes</th></tr>
<tr><td colspan="2">(v_1v_2) (v_6v_7) (v_8v_9) (e_2e_5) (e_3e_6) (e_4e_7) (e_8e_9) $(e_{11}e_{12})$ $(e_{13}e_{14})$ $(e_{16}e_{17})$ $(e_{18}e_{20})$ $(e_{19}e_{21})$ $(f_{11}f_{13})$ $(f_{12}f_{14})$ $(f_{16}f_{17})$ $(f_{18}f_{20})$ $(f_{19}f_{21})$
$(v_1v_2v_3)$ $(v_5v_6v_7)$ $(v_8v_9v_{10})$ $(e_1e_5e_2)$ $(e_3e_7e_8)$ $(e_4e_6e_9)$ $(e_{10}e_{11}e_{12})$ $(e_{13}e_{14}e_{15})$ $(e_{16}e_{18}e_{21})$ $(e_{17}e_{19}e_{20})$ $(f_{10}f_{13}f_{11})$ $(f_{12}f_{14}f_{15})$ $(f_{16}f_{18}f_{21})$ $(f_{17}f_{19}f_{20})$</td></tr>
<tr><td>158 </td><td>549</td></tr>
<tr><td colspan="2">(v_1v_4) (v_5v_6) (v_8v_9) (e_1e_{12}) (e_2e_{13}) (e_3e_{14}) (e_5e_6) (e_7e_8) (e_9e_{10}) $(e_{15}e_{17})$ $(e_{16}e_{18})$ $(e_{19}e_{20})$ (f_9f_{20}) $(f_{10}f_{21})$ $(f_{11}f_{22})$ $(f_{12}f_{13})$ $(f_{15}f_{17})$ $(f_{16}f_{18})$</td></tr>
<tr><td>159 </td><td>550</td></tr>
<tr><td colspan="2">(v_1v_5) (v_2v_6) (v_3v_{10}) (v_4v_9) (v_7v_8) (e_1e_{17}) (e_2e_7) (e_3e_{16}) (e_4e_{13}) (e_5e_9) (e_6e_{18}) (e_8e_{10}) $(e_{11}e_{20})$ $(e_{14}e_{19})$ (f_9f_{16}) $(f_{10}f_{18})$ $(f_{11}f_{20})$ $(f_{12}f_{14})$ $(f_{13}f_{17})$ $(f_{15}f_{19})$</td></tr>
<tr><td>160 </td><td>551, 557</td></tr>
<tr><td colspan="2">(v_3v_4) (v_7v_8) (v_9v_{10}) (e_3e_4) (e_5e_6) (e_7e_8) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{11}e_{14})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ $(e_{19}e_{20})$ (f_9f_{10}) $(f_{11}f_{12})$ $(f_{14}f_{15})$ $(f_{17}f_{19})$ $(f_{18}f_{20})$
(v_2v_6) (v_3v_7) (v_4v_8) (v_9v_{10}) (e_1e_2) (e_3e_4) (e_5e_{10}) (e_6e_{13}) (e_7e_{18}) (e_8e_{17}) (e_9e_{15}) $(e_{11}e_{19})$ $(e_{12}e_{16})$ $(e_{14}e_{20})$ (f_9f_{12}) $(f_{10}f_{11})$ $(f_{13}f_{16})$ $(f_{14}f_{18})$ $(f_{15}f_{20})$ $(f_{17}f_{19})$
(v_2v_{10}) (v_3v_7) (v_6v_9) (e_1e_4) (e_2e_3) (e_5e_{11}) (e_6e_{20}) (e_7e_{18}) (e_9e_{15}) $(e_{10}e_{19})$ $(e_{13}e_{14})$ (f_9f_{12}) $(f_{13}f_{17})$ $(f_{14}f_{18})$ $(f_{16}f_{19})$</td></tr>
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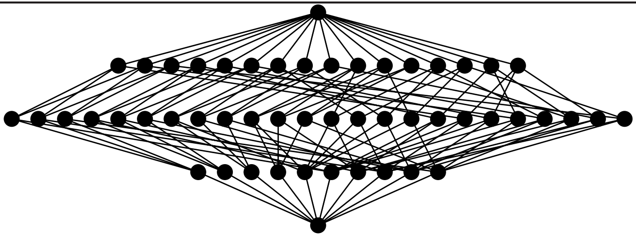
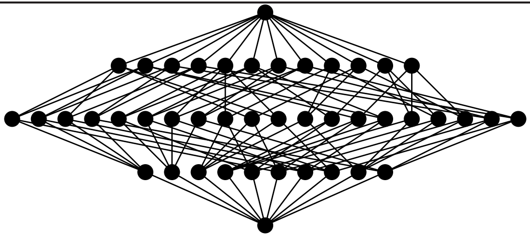
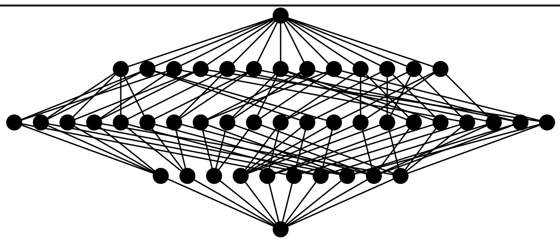
<table>
<tr><th>Face Lattice</th><th></th><th>Polytopes</th></tr>
<tr><td>161</td><td></td><td>*552*</td></tr>
<tr><td colspan="3">(v_2v_3) (v_5v_7) (v_6v_8) (e_1e_2) (e_4e_8) (e_5e_7) (e_6e_9) $(e_{10}e_{11})$ $(e_{14}e_{17})$ $(e_{15}e_{21})$ $(e_{16}e_{22})$ $(e_{19}e_{23})$ $(e_{20}e_{24})$ $(f_{10}f_{11})$ $(f_{12}f_{15})$ $(f_{13}f_{17})$ $(f_{14}f_{16})$ $(f_{19}f_{20})$ $(f_{22}f_{23})$
(v_1v_2) (v_3v_4) (v_7v_8) (v_9v_{10}) (e_1e_4) (e_2e_5) (e_3e_6) (e_7e_{10}) (e_8e_{11}) (e_9e_{12}) $(e_{13}e_{14})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ $(e_{19}e_{20})$ $(e_{21}e_{24})$ $(e_{22}e_{23})$ (f_9f_{12}) $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{15}f_{18})$ $(f_{16}f_{19})$ $(f_{17}f_{20})$ $(f_{21}f_{22})$ $(f_{23}f_{24})$
(v_3v_4) (v_7v_9) (v_8v_{10}) (e_2e_3) (e_5e_6) (e_7e_{10}) (e_8e_{12}) (e_9e_{11}) $(e_{13}e_{15})$ $(e_{14}e_{16})$ $(e_{17}e_{19})$ $(e_{18}e_{20})$ $(e_{22}e_{23})$ (f_9f_{10}) $(f_{12}f_{13})$ $(f_{15}f_{19})$ $(f_{16}f_{18})$ $(f_{17}f_{20})$ $(f_{23}f_{24})$</td></tr>
<tr><td>162</td><td></td><td>553</td></tr>
<tr><td colspan="3">(v_3v_4) (v_7v_8) (e_2e_3) (e_6e_7) (e_9e_{13}) $(e_{10}e_{14})$ $(e_{11}e_{15})$ $(e_{12}e_{16})$ $(e_{19}e_{20})$ (f_9f_{10}) $(f_{11}f_{12})$ $(f_{13}f_{14})$ $(f_{15}f_{16})$ $(f_{17}f_{19})$ $(f_{18}f_{20})$
(v_1v_2) (v_5v_6) (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) (e_9e_{10}) $(e_{13}e_{14})$ $(e_{17}e_{18})$ (f_9f_{13}) $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{12}f_{16})$ $(f_{17}f_{18})$ $(f_{19}f_{20})$
(v_1v_3) (v_2v_4) (v_5v_7) (v_6v_8) (v_9v_{10}) (e_1e_{11}) (e_2e_9) (e_3e_{10}) (e_4e_{12}) (e_5e_{15}) (e_6e_{13}) (e_7e_{14}) (e_8e_{16}) $(e_{17}e_{19})$ $(e_{18}e_{20})$ $(f_{10}f_{13})$ $(f_{11}f_{17})$ $(f_{12}f_{18})$ $(f_{15}f_{19})$ $(f_{16}f_{20})$
(v_1v_5) (v_2v_6) (v_3v_7) (v_4v_8) (v_9v_{10}) (e_1e_5) (e_2e_9) (e_3e_{13}) (e_4e_{17}) (e_6e_{10}) (e_7e_{14}) (e_8e_{18}) $(e_{11}e_{15})$ $(e_{12}e_{19})$ $(e_{16}e_{20})$ (f_9f_{14}) $(f_{10}f_{13})$ $(f_{11}f_{17})$ $(f_{12}f_{19})$ $(f_{15}f_{18})$ $(f_{16}f_{20})$</td></tr>
<tr><td>163</td><td></td><td>554</td></tr>
<tr><td colspan="3">(v_1v_7) (v_2v_6) (v_3v_5) (v_4v_8) (v_9v_{10}) (e_1e_5) (e_3e_{13}) (e_4e_{19}) (e_6e_{12}) (e_7e_{18}) (e_8e_{11}) (e_9e_{17}) $(e_{10}e_{16})$ $(e_{14}e_{21})$ $(e_{15}e_{20})$ (f_9f_{10}) $(f_{11}f_{13})$ $(f_{12}f_{21})$ $(f_{14}f_{20})$ $(f_{16}f_{19})$ $(f_{17}f_{18})$</td></tr>
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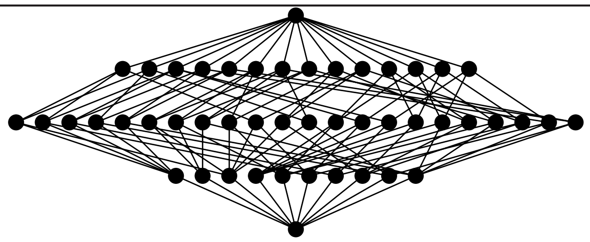
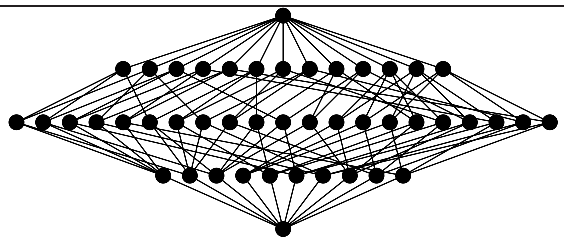
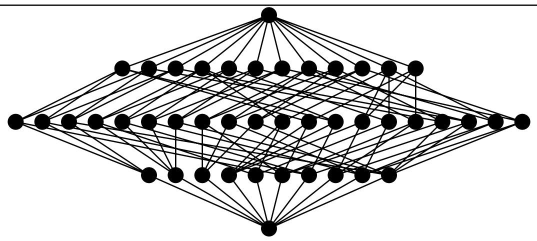
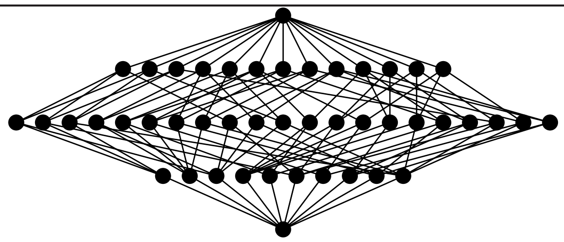
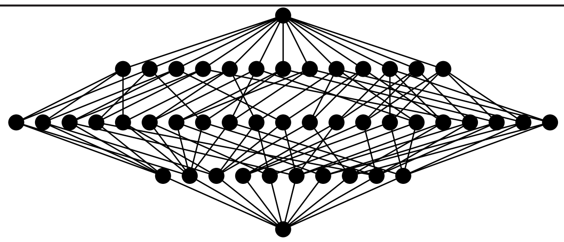
<table>
<tr><td>Face Lattice</td><td>Polytopes</td></tr>
<tr><td>164 </td><td>555</td></tr>
<tr><td>165 </td><td>556, 566</td></tr>
<tr><td colspan="2">(v_2v_3) (v_6v_7) (v_8v_9) (e_1e_2) (e_3e_4) (e_7e_{10}) (e_8e_{11}) (e_9e_{12}) $(e_{13}e_{14})$ $(e_{16}e_{17})$ $(e_{18}e_{20})$ $(e_{19}e_{21})$ $(f_{10}f_{11})$ $(f_{12}f_{13})$ $(f_{15}f_{17})$ $(f_{16}f_{18})$ $(f_{20}f_{21})$
(v_1v_2) (v_5v_6) (v_9v_{10}) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{10}e_{11})$ $(e_{14}e_{15})$ $(e_{16}e_{18})$ $(e_{17}e_{19})$ $(e_{20}e_{21})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{13}f_{16})$ $(f_{17}f_{18})$ $(f_{19}f_{20})$</td></tr>
<tr><td>166 </td><td>558</td></tr>
<tr><td>167 </td><td>559</td></tr>
<tr><td>168 </td><td>560</td></tr>
<tr><td colspan="2">(v_3v_9) (v_4v_8) (v_5v_7) (e_2e_4) (e_5e_8) (e_6e_7) $(e_{10}e_{19})$ $(e_{11}e_{18})$ $(e_{12}e_{14})$ $(e_{13}e_{17})$ $(e_{15}e_{21})$ $(e_{16}e_{20})$ (f_9f_{10}) $(f_{11}f_{12})$ $(f_{13}f_{15})$ $(f_{14}f_{16})$ $(f_{17}f_{21})$ $(f_{18}f_{20})$</td></tr>
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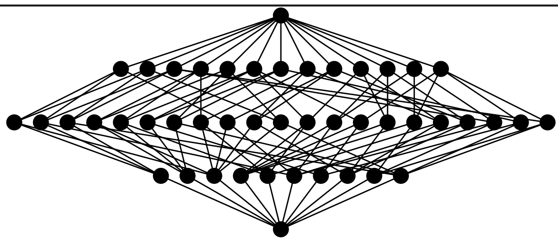
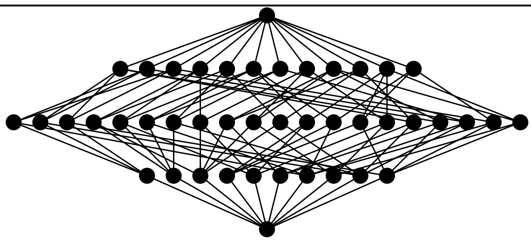
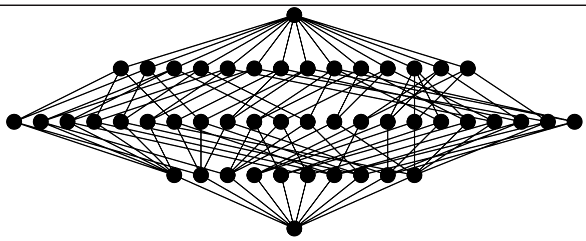
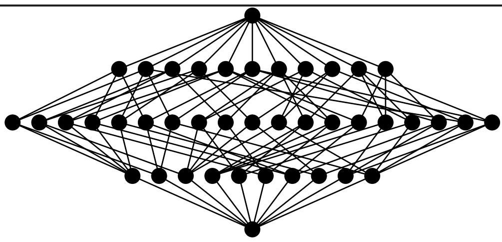
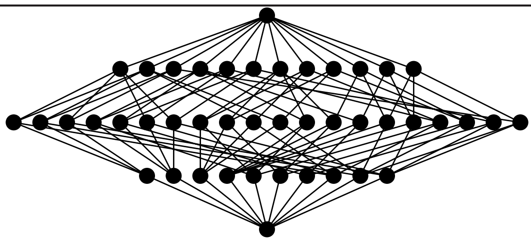
Face Lattice	Polytopes
169 	561
170 	563
171 	564
172 	565
173 	567
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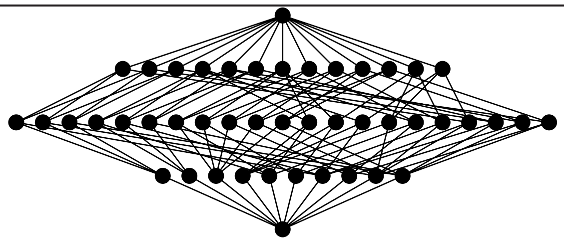
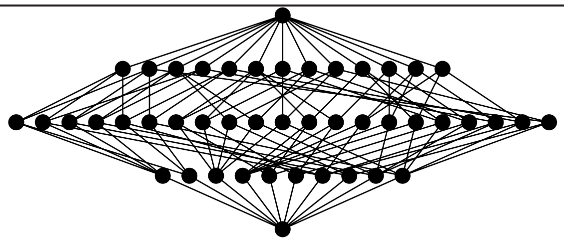
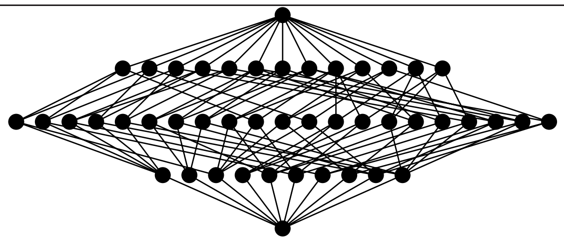
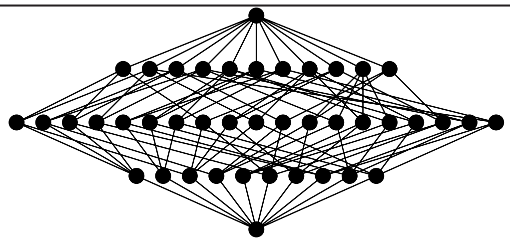
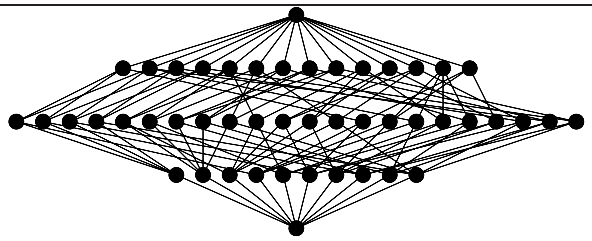
Face Lattice	Polytopes
174 	568
175 	569
176 	570
177 	571
(v_3v_4) (v_9v_{10}) (e_1e_2) (e_6e_7) (e_8e_{11}) (e_9e_{12}) $(e_{10}e_{13})$ $(e_{15}e_{16})$ $(e_{18}e_{19})$ (f_9f_{11}) $(f_{10}f_{12})$ $(f_{14}f_{15})$ $(f_{16}f_{18})$ $(f_{17}f_{19})$	
178 	572
(v_1v_5) (v_2v_6) (v_3v_{10}) (v_4v_9) (v_7v_8) (e_1e_{18}) (e_2e_6) (e_3e_{17}) (e_4e_{10}) (e_5e_{20}) (e_7e_{19}) (e_8e_{14}) (e_9e_{11}) $(e_{12}e_{22})$ $(e_{15}e_{21})$ (f_9f_{15}) $(f_{10}f_{21})$ $(f_{11}f_{13})$ $(f_{12}f_{18})$ $(f_{14}f_{20})$ $(f_{16}f_{22})$ $(f_{17}f_{19})$ (v_1v_7) (v_3v_{10}) (v_5v_8) (e_1e_{15}) (e_2e_{19}) (e_3e_{17}) (e_4e_{12}) (e_5e_9) (e_6e_7) $(e_{10}e_{22})$ $(e_{11}e_{20})$ $(e_{18}e_{21})$ (f_9f_{22}) $(f_{10}f_{21})$ $(f_{11}f_{19})$ $(f_{12}f_{18})$ $(f_{13}f_{17})$ $(f_{15}f_{16})$	

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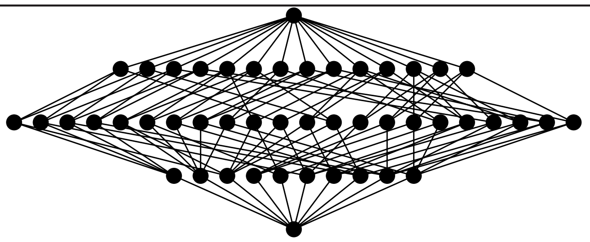
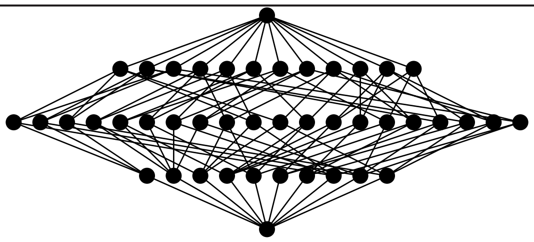
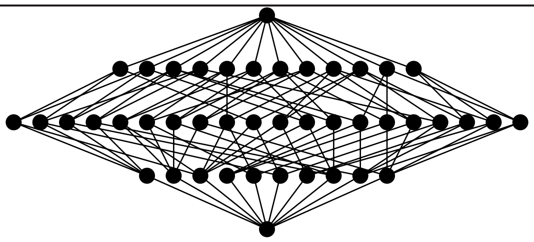
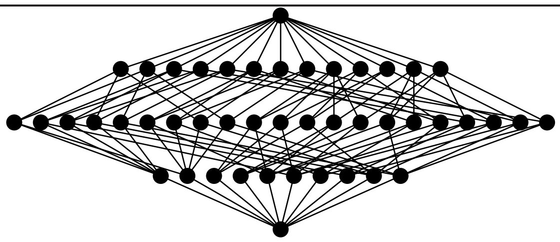
<table>
<tr><th>Face Lattice</th><th>Polytopes</th></tr>
<tr><td>179 </td><td>573</td></tr>
<tr><td>180 </td><td>574</td></tr>
<tr><td colspan="2">(v_1v_7) (v_4v_9) (v_5v_8) (e_1e_{16}) (e_2e_{14}) (e_3e_{19}) (e_5e_8) (e_6e_7) (e_9e_{10}) $(e_{12}e_{20})$ $(e_{13}e_{17})$ (f_9f_{17}) $(f_{10}f_{19})$ $(f_{11}f_{18})$ $(f_{12}f_{13})$ $(f_{14}f_{16})$</td></tr>
<tr><td>181 </td><td>575</td></tr>
<tr><td colspan="2">(v_1v_2) (v_5v_6) (v_9v_{10}) (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) (e_9e_{10}) $(e_{14}e_{15})$ $(e_{16}e_{17})$ $(e_{18}e_{19})$ (f_9f_{13}) $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{12}f_{16})$ $(f_{17}f_{18})$</td></tr>
<tr><td>182 </td><td>576</td></tr>
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(v_1v_2) (v_5v_6) (v_7v_8) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{10}e_{11})$ $(e_{13}e_{14})$ $(e_{16}e_{18})$ $(e_{17}e_{19})$ $(e_{20}e_{21})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{13}f_{16})$ $(f_{18}f_{19})$ $(f_{20}f_{21})$</td></tr>
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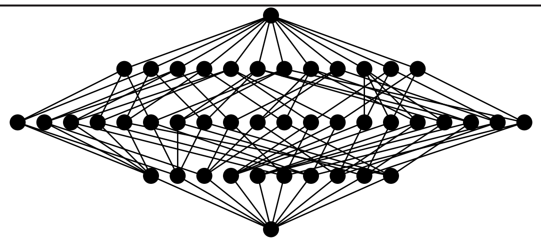
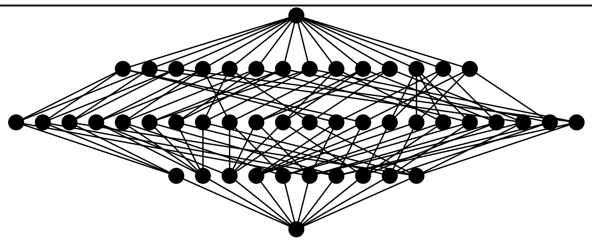
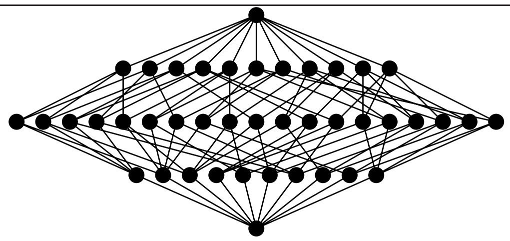
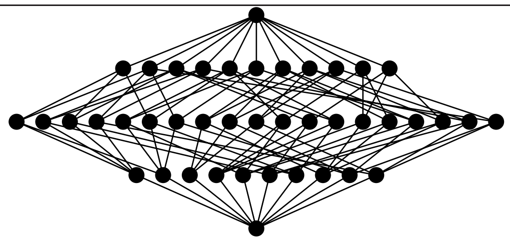
Face Lattice	Polytopes
183 	577
(v_2v_3) (v_6v_7) (v_8v_9) (e_1e_2) (e_3e_4) (e_6e_9) (e_7e_{10}) (e_8e_{11}) $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ $(e_{19}e_{20})$ (f_9f_{11}) $(f_{10}f_{12})$ $(f_{14}f_{16})$ $(f_{15}f_{17})$ $(f_{19}f_{20})$	
184 	578
(v_2v_3) (v_6v_7) (v_8v_9) (e_1e_2) (e_5e_9) (e_6e_{10}) (e_7e_{11}) (e_8e_{12}) $(e_{13}e_{14})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ $(e_{19}e_{21})$ $(e_{20}e_{22})$ $(f_{10}f_{11})$ $(f_{14}f_{17})$ $(f_{15}f_{18})$ $(f_{16}f_{19})$ $(f_{21}f_{22})$	
185 	579
(v_2v_3) (v_6v_7) (v_8v_9) (e_1e_2) (e_3e_4) (e_6e_9) (e_7e_{10}) (e_8e_{11}) $(e_{12}e_{13})$ $(e_{16}e_{17})$ $(e_{18}e_{19})$ $(f_{10}f_{11})$ $(f_{14}f_{16})$ $(f_{15}f_{17})$ $(f_{18}f_{19})$	
186 (216) 	580
(v_1v_2) (v_5v_6) (v_9v_{10}) (e_2e_5) (e_3e_6) (e_4e_7) (e_9e_{10}) $(e_{11}e_{12})$ $(e_{15}e_{17})$ $(e_{16}e_{18})$ $(f_{11}f_{13})$ $(f_{12}f_{14})$ $(f_{15}f_{16})$ $(f_{18}f_{19})$ (v_1v_9) (v_2v_{10}) (v_3v_7) (v_4v_8) (v_5v_6) (e_1e_{19}) (e_2e_{16}) (e_3e_9) (e_4e_7) (e_5e_{18}) (e_6e_{10}) (e_8e_{13}) $(e_{11}e_{17})$ $(e_{12}e_{15})$ (f_9f_{17}) $(f_{11}f_{15})$ $(f_{12}f_{14})$ $(f_{13}f_{16})$ $(f_{18}f_{19})$	

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<table>
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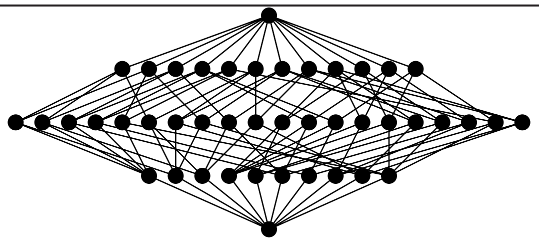
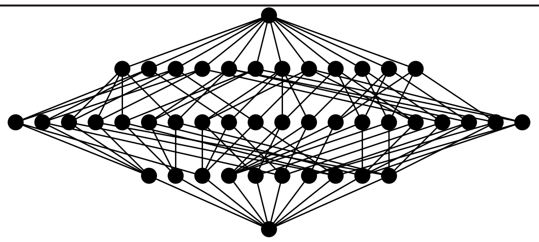
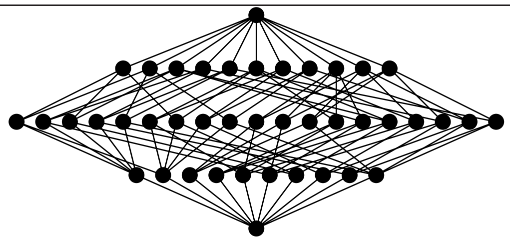
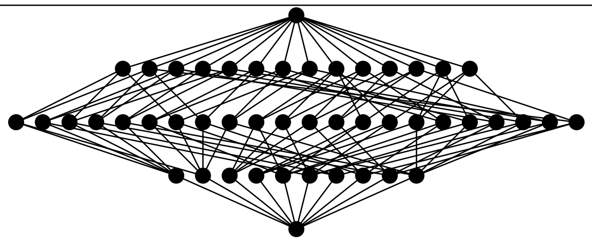
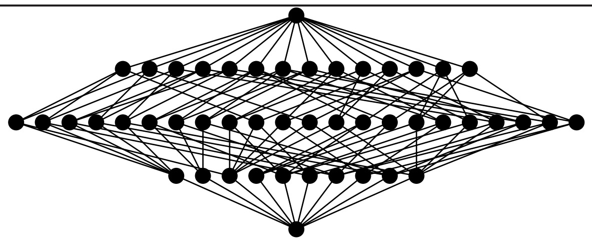
<tr><td>187</td><td></td><td>581</td></tr>
<tr><td>188</td><td></td><td>582</td></tr>
<tr><td>189</td><td></td><td>583</td></tr>
<tr><td colspan="3">(v_1v_2) (v_5v_6) (v_8v_9) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{10}e_{11})$ $(e_{13}e_{14})$ $(e_{16}e_{17})$ $(e_{18}e_{19})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{13}f_{16})$ $(f_{18}f_{19})$</td></tr>
<tr><td>190</td><td></td><td>584</td></tr>
<tr><td colspan="3">(v_1v_2) (v_5v_6) (v_8v_9) (e_2e_6) (e_3e_7) (e_4e_8) (e_5e_9) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{17}e_{19})$ $(e_{18}e_{20})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{13}f_{16})$ $(f_{18}f_{19})$ $(f_{21}f_{22})$</td></tr>
<tr><td>191</td><td></td><td>585</td></tr>
<tr><td colspan="3">(v_3v_{10}) (v_4v_8) (v_7v_9) (e_1e_5) (e_3e_4) (e_7e_8) (e_9e_{18}) $(e_{10}e_{19})$ $(e_{11}e_{16})$ $(e_{12}e_{21})$ $(e_{14}e_{17})$ $(e_{15}e_{22})$ (f_9f_{11}) $(f_{10}f_{13})$ $(f_{14}f_{15})$ $(f_{17}f_{21})$ $(f_{20}f_{22})$</td></tr>
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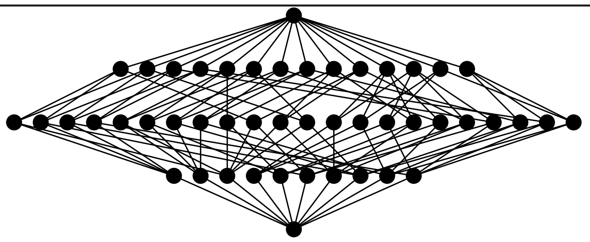
Face Lattice	Polytopes
192 	586, 600
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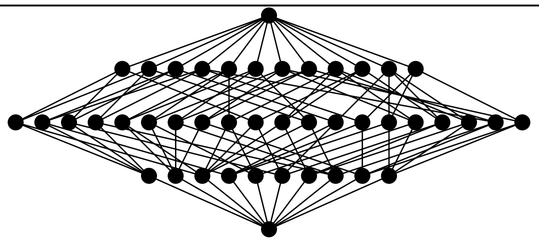
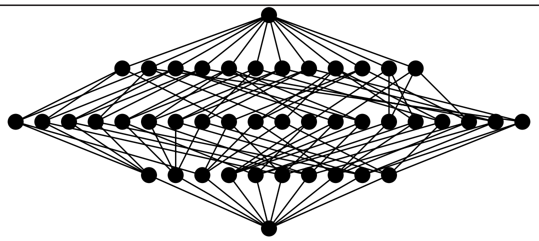
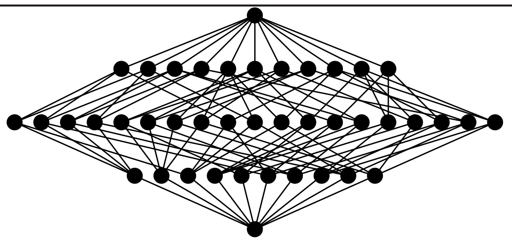
193 	587
(v_1v_8) (v_2v_6) (v_4v_9) (v_5v_7) (e_1e_{12}) (e_2e_{19}) (e_3e_7) (e_5e_{10}) (e_6e_{17}) (e_8e_{13}) (e_9e_{11}) $(e_{15}e_{20})$ $(e_{16}e_{18})$ (f_9f_{14}) $(f_{11}f_{16})$ $(f_{13}f_{18})$ $(f_{15}f_{19})$	
194 	588
(v_1v_5) (v_2v_6) (v_3v_{10}) (v_4v_7) (v_8v_9) (e_1e_{17}) (e_2e_5) (e_3e_{12}) (e_4e_{16}) (e_6e_{13}) (e_7e_{18}) (e_8e_9) $(e_{10}e_{20})$ $(e_{15}e_{19})$ (f_9f_{14}) $(f_{10}f_{17})$ $(f_{11}f_{13})$ $(f_{12}f_{19})$ $(f_{15}f_{20})$ $(f_{16}f_{18})$ (v_2v_8) (v_3v_7) (v_4v_{10}) (v_6v_9) (e_1e_3) (e_2e_4) (e_5e_{16}) (e_6e_{10}) (e_7e_{18}) (e_8e_{15}) (e_9e_{19}) $(e_{11}e_{14})$ $(e_{12}e_{17})$ $(e_{13}e_{20})$ (f_9f_{12}) $(f_{10}f_{11})$ $(f_{13}f_{17})$ $(f_{14}f_{19})$ $(f_{15}f_{18})$ $(f_{16}f_{20})$	
195 	589
(v_1v_9) (v_2v_6) (v_3v_7) (v_4v_{10}) (v_5v_8) (e_1e_{18}) (e_2e_7) (e_3e_{10}) (e_5e_{17}) (e_6e_9) (e_8e_{13}) $(e_{11}e_{14})$ $(e_{12}e_{19})$ $(e_{15}e_{16})$ (f_9f_{16}) $(f_{10}f_{12})$ $(f_{11}f_{13})$ $(f_{14}f_{17})$ $(f_{15}f_{19})$	

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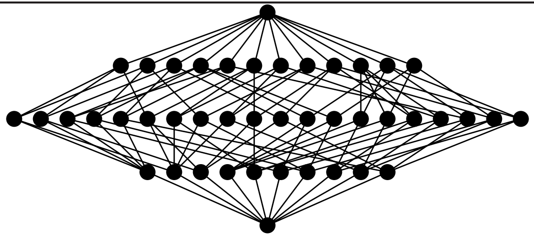
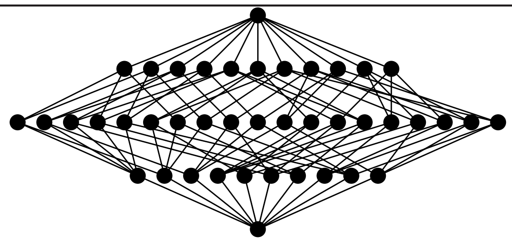
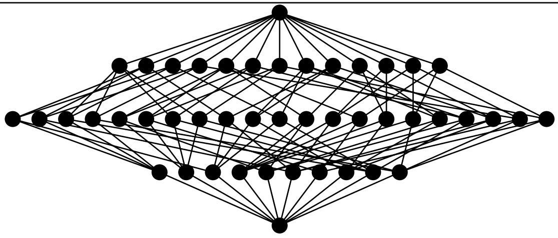
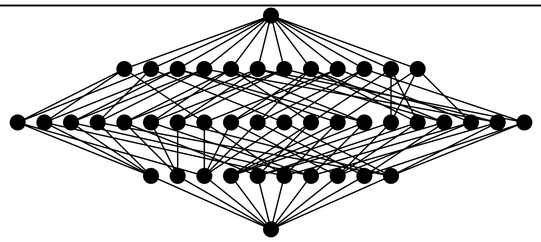
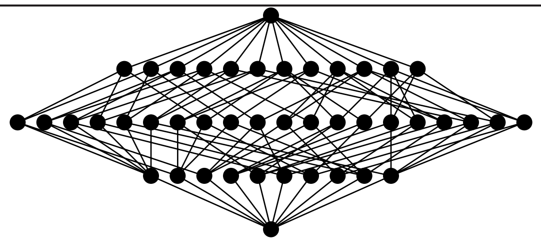
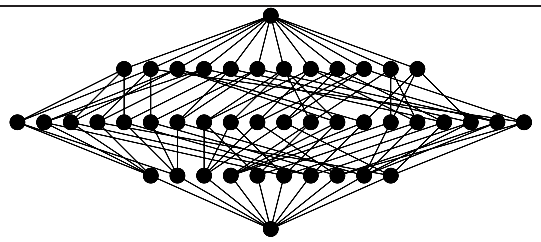
Face Lattice	Polytopes
196 	590
197 	591
198 	592
199 	593
200 	594
201 	595

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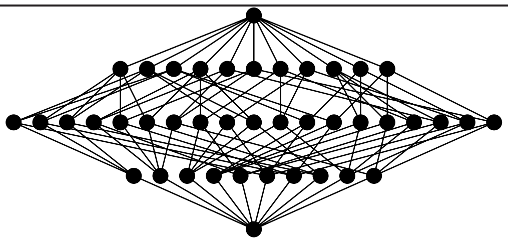
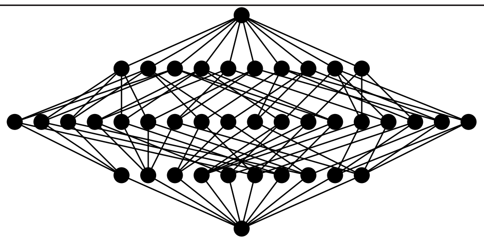
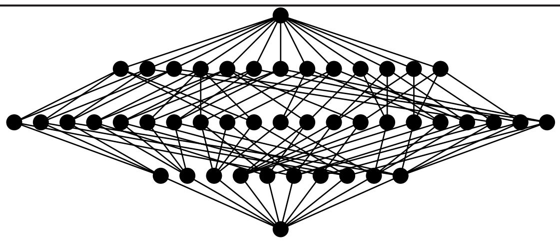
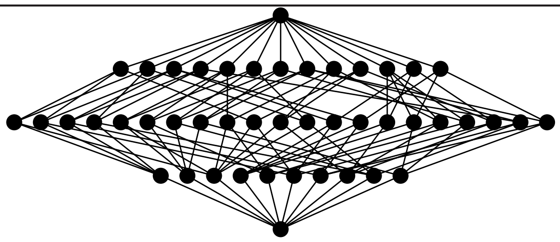
<table>
<tr><th colspan="2">Face Lattice</th><th>Polytopes</th></tr>
<tr><td>202</td><td></td><td>596</td></tr>
<tr><td colspan="3">(v_2v_3) (v_6v_7) (v_9v_{10}) (e_1e_2) (e_4e_8) (e_5e_9) (e_6e_{10}) (e_7e_{11}) $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ $(e_{18}e_{19})$ (f_9f_{10}) $(f_{13}f_{15})$ $(f_{14}f_{16})$ $(f_{18}f_{19})$
(v_1v_8) (v_2v_6) (v_3v_7) (v_4v_5) (v_9v_{10}) (e_1e_6) (e_2e_{10}) (e_4e_{12}) (e_5e_9) (e_7e_{18}) (e_8e_{13}) $(e_{11}e_{19})$ $(e_{14}e_{17})$ $(e_{15}e_{16})$ (f_9f_{10}) $(f_{11}f_{12})$ $(f_{13}f_{18})$ $(f_{14}f_{16})$ $(f_{15}f_{19})$</td></tr>
<tr><td>203</td><td></td><td>597</td></tr>
<tr><td colspan="3">(v_1v_7) (v_2v_8) (v_3v_5) (v_4v_6) (e_1e_{13}) (e_3e_5) (e_4e_9) (e_7e_{17}) (e_8e_{11}) $(e_{10}e_{15})$ $(e_{14}e_{16})$ $(f_{10}f_{12})$ $(f_{13}f_{16})$ $(f_{15}f_{17})$</td></tr>
<tr><td>204</td><td></td><td>598</td></tr>
<tr><td colspan="3">(v_1v_7) (v_2v_8) (v_3v_5) (v_4v_6) (e_1e_{14}) (e_2e_5) (e_3e_{20}) (e_4e_{10}) (e_7e_{21}) (e_9e_{12}) $(e_{11}e_{17})$ $(e_{15}e_{18})$ $(e_{16}e_{19})$ (f_9f_{13}) $(f_{10}f_{21})$ $(f_{11}f_{14})$ $(f_{17}f_{18})$</td></tr>
<tr><td>205</td><td></td><td>599</td></tr>
<tr><td colspan="3">$(v_1v_2v_8)$ $(v_4v_7v_{10})$ $(v_5v_6v_9)$ $(e_1e_5e_{11})$ $(e_2e_7e_{17})$ $(e_3e_8e_{15})$ $(e_4e_6e_{19})$ $(e_9e_{10}e_{12})$ $(e_{13}e_{20}e_{18})$ $(e_{14}e_{21}e_{16})$ $(f_9f_{14}f_{17})$ $(f_{10}f_{13}f_{18})$ $(f_{11}f_{16}f_{19})$ $(f_{12}f_{15}f_{20})$
(v_1v_5) (v_2v_9) (v_6v_8) (v_7v_{10}) (e_1e_9) (e_2e_{17}) (e_3e_{18}) (e_4e_6) (e_5e_{12}) (e_8e_{20}) $(e_{10}e_{11})$ $(e_{13}e_{15})$ $(e_{14}e_{16})$ (f_9f_{17}) $(f_{10}f_{13})$ $(f_{11}f_{19})$ $(f_{12}f_{15})$</td></tr>
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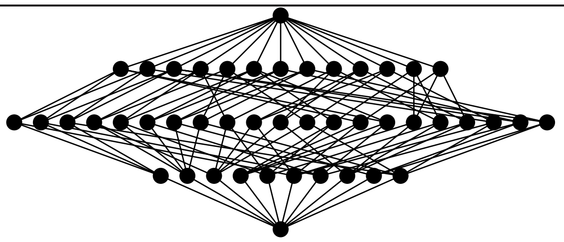
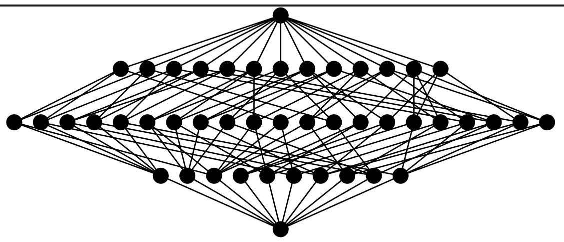
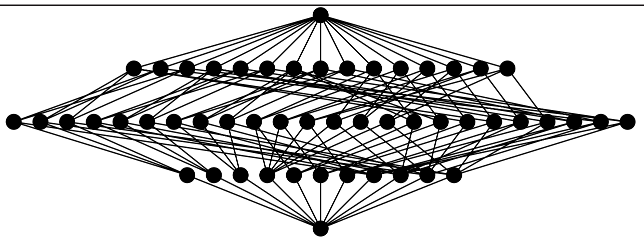
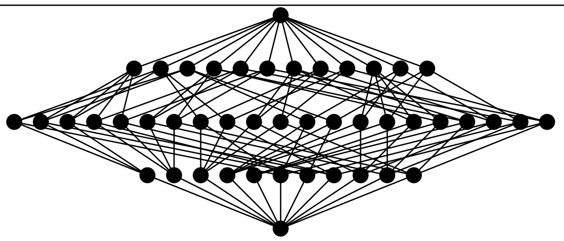
Face Lattice		Polytopes
206		601
207		602

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 11 vertices.

Face Lattice		Polytopes
208		603
(v_2v_3) (v_5v_7) $(v_{10}v_{11})$ (e_2e_3) (e_4e_7) (e_5e_8) (e_6e_9) $(e_{10}e_{12})$ $(e_{14}e_{15})$ $(e_{16}e_{20})$ $(e_{17}e_{21})$ $(e_{18}e_{19})$ $(e_{23}e_{24})$ $(f_{11}f_{12})$ $(f_{13}f_{16})$ $(f_{14}f_{17})$ $(f_{15}f_{18})$ $(f_{19}f_{23})$ $(f_{20}f_{24})$ $(f_{21}f_{22})$ (v_1v_2) (v_6v_7) (v_9v_{10}) (e_1e_4) (e_2e_5) (e_3e_6) (e_8e_9) $(e_{11}e_{12})$ $(e_{13}e_{14})$ $(e_{16}e_{17})$ $(e_{18}e_{20})$ $(e_{19}e_{21})$ $(e_{22}e_{23})$ $(f_{10}f_{13})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{17}f_{18})$ $(f_{19}f_{20})$ $(f_{21}f_{23})$ $(f_{22}f_{24})$ $(v_1v_5v_2v_6v_3v_7)$ (v_4v_8) $(v_9v_{11}v_{10})$ $(e_1e_{10}e_4e_{11}e_7e_{12})$ $(e_2e_{16}e_6e_{18}e_8e_{21})$ $(e_3e_{17}e_5e_{19}e_9e_{20})$ $(e_{13}e_{24}e_{14}e_{22}e_{15}e_{23})$ $(f_{10}f_{16}f_{13})$ $(f_{11}f_{19}f_{15}f_{21}f_{17}f_{24})$ $(f_{12}f_{20}f_{14}f_{22}f_{18}f_{23})$		
209		604

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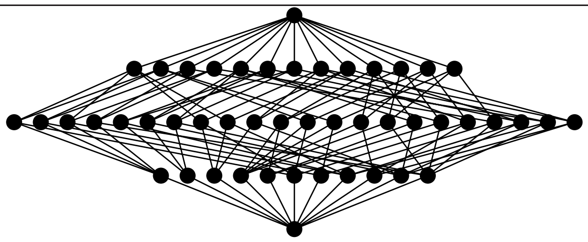
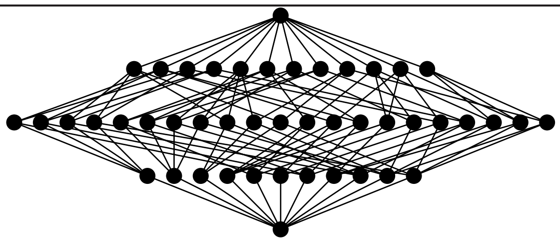
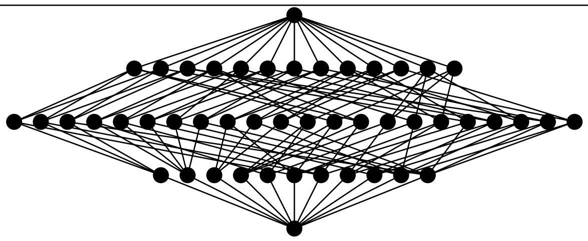
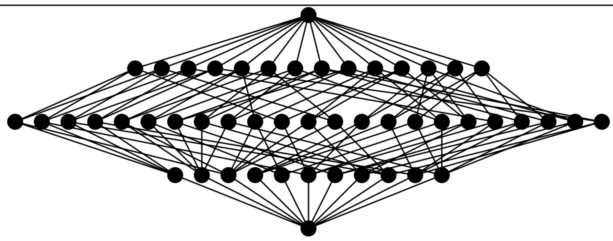
Face Lattice	Polytopes
(v_3v_4) (v_7v_8) $(v_{10}v_{11})$ (e_2e_3) (e_4e_5) (e_6e_7) (e_8e_{12}) (e_9e_{13}) $(e_{10}e_{14})$ $(e_{11}e_{15})$ $(e_{17}e_{18})$ $(e_{20}e_{21})$ $(f_{11}f_{12})$ $(f_{14}f_{15})$ $(f_{16}f_{19})$ $(f_{17}f_{20})$ $(f_{18}f_{21})$ (v_1v_5) (v_6v_9) (v_7v_{10}) (v_8v_{11}) (e_1e_{16}) (e_2e_{17}) (e_3e_{18}) (e_4e_6) (e_5e_7) (e_8e_{10}) (e_9e_{11}) $(e_{12}e_{14})$ $(e_{13}e_{15})$ $(f_{10}f_{13})$ $(f_{11}f_{16})$ $(f_{12}f_{19})$ (v_2v_3) (v_6v_7) (v_9v_{10}) (e_1e_2) (e_4e_8) (e_5e_9) (e_6e_{10}) (e_7e_{11}) $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ $(e_{19}e_{20})$ $(f_{10}f_{11})$ $(f_{13}f_{16})$ $(f_{14}f_{17})$ $(f_{15}f_{18})$ $(f_{20}f_{21})$	
210 	605
211 	606
(v_1v_2) (v_5v_6) $(v_{10}v_{11})$ (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{16}e_{17})$ $(e_{19}e_{20})$ $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{12}f_{16})$ $(f_{13}f_{17})$ $(f_{19}f_{20})$	
212 	607
213 	608

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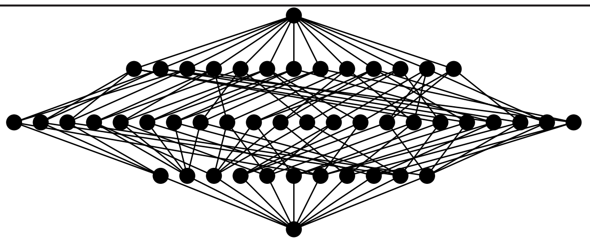
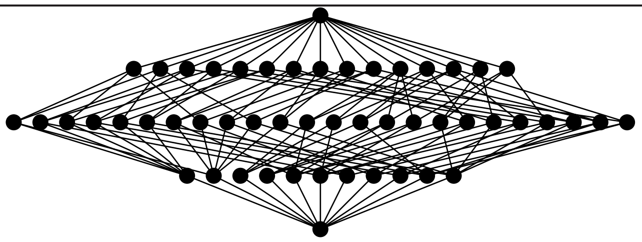
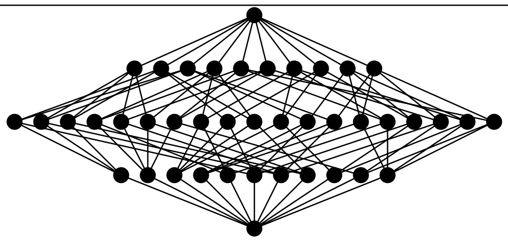
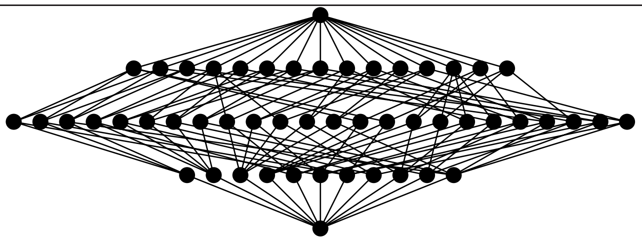
<table>
<tr><td>Face Lattice</td><td>Polytopes</td></tr>
<tr><td>214 </td><td>609</td></tr>
<tr><td>215 </td><td>610</td></tr>
<tr><td colspan="2">(v_2v_{11}) (v_4v_8) (v_6v_{10}) (e_1e_6) (e_2e_5) (e_7e_{19}) (e_8e_{22}) (e_9e_{17}) $(e_{10}e_{21})$ $(e_{13}e_{14})$ $(e_{15}e_{18})$ $(e_{16}e_{23})$ $(e_{20}e_{24})$ $(f_{10}f_{14})$ $(f_{11}f_{13})$ $(f_{12}f_{15})$ $(f_{16}f_{23})$ $(f_{19}f_{24})$ $(f_{20}f_{21})$
(v_1v_2) (v_5v_6) (v_8v_9) (e_2e_7) (e_3e_8) (e_4e_9) (e_5e_{10}) (e_6e_{11}) $(e_{12}e_{13})$ $(e_{15}e_{16})$ $(e_{18}e_{20})$ $(e_{19}e_{21})$ $(e_{23}e_{24})$ $(f_{12}f_{16})$ $(f_{13}f_{17})$ $(f_{14}f_{18})$ $(f_{15}f_{19})$ $(f_{21}f_{22})$ $(f_{23}f_{24})$</td></tr>
<tr><td>216 (186) </td><td>611</td></tr>
<tr><td colspan="2">(v_2v_3) (v_6v_7) (v_9v_{10}) (e_1e_2) (e_4e_8) (e_5e_9) (e_6e_{10}) (e_7e_{11}) $(e_{12}e_{13})$ $(e_{16}e_{17})$ $(e_{18}e_{19})$ $(f_{10}f_{11})$ $(f_{14}f_{16})$ $(f_{15}f_{17})$ $(f_{18}f_{19})$
(v_1v_8) (v_2v_6) (v_3v_7) (v_4v_5) (v_9v_{10}) (e_1e_6) (e_2e_{10}) (e_4e_{12}) (e_5e_9) (e_7e_{16}) (e_8e_{13}) $(e_{11}e_{17})$ $(e_{14}e_{15})$ $(e_{18}e_{19})$ $(f_{10}f_{11})$ $(f_{12}f_{13})$ $(f_{14}f_{18})$ $(f_{15}f_{17})$ $(f_{16}f_{19})$</td></tr>
<tr><td>217 </td><td>612</td></tr>
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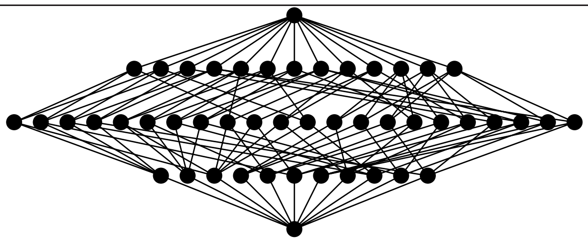
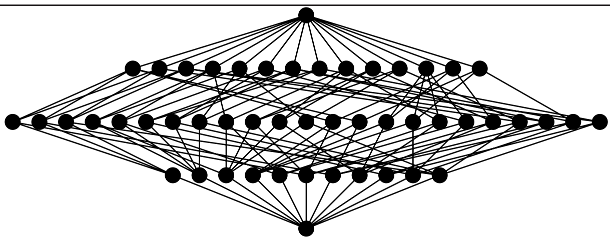
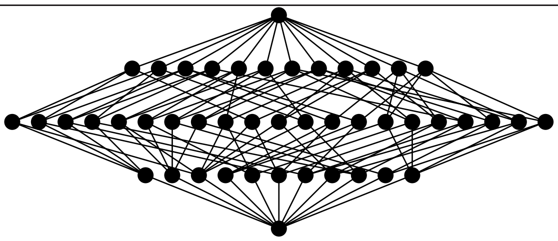
Face Lattice	Polytopes
(v_2v_3) (v_6v_7) (v_9v_{10}) (e_1e_2) (e_4e_9) (e_5e_{10}) (e_6e_{11}) (e_7e_{12}) (e_8e_{13}) $(e_{14}e_{15})$ $(e_{16}e_{17})$ $(e_{18}e_{19})$ $(e_{20}e_{22})$ $(e_{21}e_{23})$ $(f_{11}f_{12})$ $(f_{14}f_{18})$ $(f_{15}f_{19})$ $(f_{16}f_{20})$ $(f_{17}f_{21})$ $(f_{23}f_{24})$ (v_1v_8) (v_2v_6) (v_3v_7) (v_4v_5) (v_9v_{10}) (e_1e_6) (e_2e_{11}) (e_3e_{24}) (e_4e_{14}) (e_5e_{10}) (e_7e_{20}) (e_8e_{21}) (e_9e_{15}) $(e_{12}e_{22})$ $(e_{13}e_{23})$ $(e_{16}e_{19})$ $(e_{17}e_{18})$ $(f_{10}f_{13})$ $(f_{11}f_{17})$ $(f_{12}f_{21})$ $(f_{14}f_{23})$ $(f_{15}f_{19})$ $(f_{16}f_{20})$ $(f_{18}f_{24})$	
218 	613
(v_1v_2) (v_5v_6) $(v_{10}v_{11})$ (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) (e_9e_{10}) $(e_{14}e_{15})$ $(e_{16}e_{18})$ $(e_{17}e_{19})$ $(e_{21}e_{22})$ $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{12}f_{16})$ $(f_{13}f_{17})$ $(f_{18}f_{19})$ $(f_{20}f_{21})$ (v_1v_5) (v_2v_6) (v_4v_7) (v_8v_9) $(v_{10}v_{11})$ (e_1e_9) (e_2e_6) (e_3e_{16}) (e_4e_{17}) (e_5e_{10}) (e_7e_{18}) (e_8e_{19}) $(e_{11}e_{12})$ $(e_{13}e_{20})$ $(e_{14}e_{22})$ $(e_{15}e_{21})$ $(f_{10}f_{14})$ $(f_{11}f_{18})$ $(f_{12}f_{16})$ $(f_{13}f_{20})$ $(f_{15}f_{19})$ $(f_{17}f_{21})$	
219 	614
(v_1v_9) (v_2v_6) (v_4v_{10}) (v_5v_8) (e_1e_6) (e_2e_{21}) (e_3e_{23}) (e_4e_{10}) (e_5e_{19}) (e_7e_{13}) (e_8e_{20}) (e_9e_{11}) $(e_{14}e_{22})$ $(e_{15}e_{18})$ $(f_{10}f_{16})$ $(f_{11}f_{17})$ $(f_{13}f_{19})$ $(f_{14}f_{20})$ $(f_{15}f_{22})$	
220 	615
(v_1v_9) (v_2v_6) (v_4v_{10}) (v_5v_8) (e_1e_{12}) (e_2e_7) (e_3e_{18}) (e_5e_{10}) (e_6e_{17}) (e_8e_{13}) (e_9e_{11}) $(e_{14}e_{19})$ $(e_{15}e_{21})$ $(e_{16}e_{20})$ $(f_{10}f_{15})$ $(f_{12}f_{17})$ $(f_{14}f_{19})$ $(f_{16}f_{20})$	

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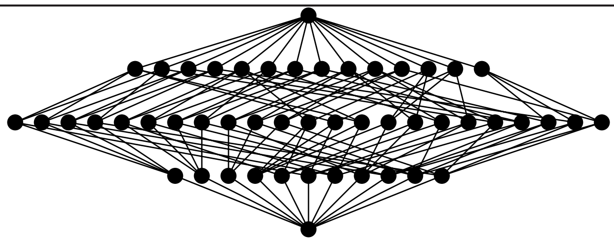
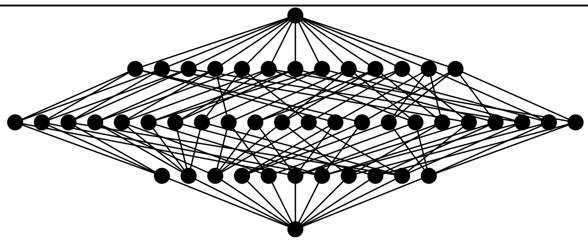
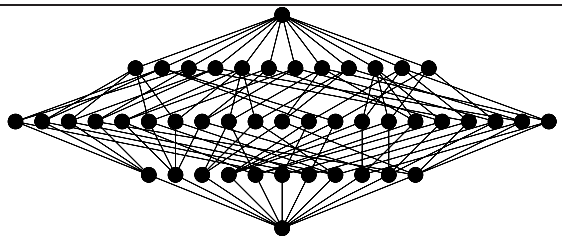
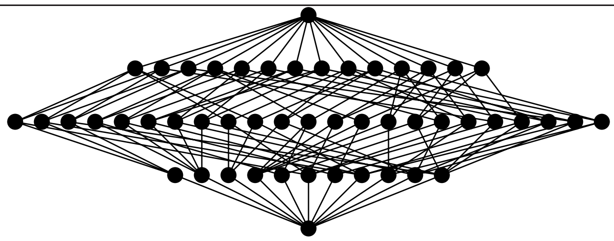
Face Lattice		Polytopes
221		616
(v_1v_2) (v_5v_6) $(v_{10}v_{11})$ (e_1e_5) (e_2e_6) (e_3e_7) (e_4e_8) $(e_{10}e_{11})$ $(e_{12}e_{13})$ $(e_{16}e_{18})$ $(e_{17}e_{19})$ $(e_{21}e_{22})$ $(f_{10}f_{14})$ $(f_{11}f_{15})$ $(f_{12}f_{16})$ $(f_{13}f_{17})$ $(f_{18}f_{19})$ $(f_{21}f_{22})$		
222		617
(v_2v_3) (v_6v_7) (v_8v_9) (e_1e_2) (e_5e_9) (e_6e_{10}) (e_7e_{11}) (e_8e_{12}) $(e_{13}e_{14})$ $(e_{17}e_{19})$ $(e_{18}e_{20})$ $(e_{21}e_{22})$ $(f_{11}f_{12})$ $(f_{15}f_{18})$ $(f_{16}f_{19})$ $(f_{17}f_{20})$ $(f_{21}f_{22})$		
223		618
(v_1v_8) (v_2v_7) (v_3v_6) (v_4v_5) (e_1e_{10}) (e_2e_7) (e_4e_{20}) (e_5e_{13}) (e_8e_{19}) (e_9e_{12}) $(e_{11}e_{18})$ $(e_{14}e_{16})$ $(e_{15}e_{17})$ $(f_{11}f_{14})$ $(f_{12}f_{18})$ $(f_{15}f_{21})$ $(f_{17}f_{20})$		
224		619
(v_1v_7) (v_2v_8) (v_3v_5) (v_4v_6) (e_1e_{14}) (e_2e_5) (e_3e_{20}) (e_4e_{10}) (e_7e_{21}) (e_8e_{22}) (e_9e_{12}) $(e_{11}e_{17})$ $(e_{15}e_{18})$ $(e_{16}e_{19})$ $(f_{10}f_{13})$ $(f_{11}f_{23})$ $(f_{12}f_{15})$ $(f_{14}f_{19})$ $(f_{18}f_{20})$		

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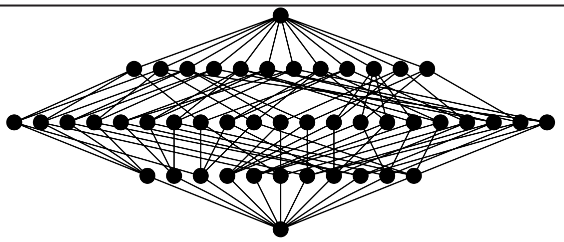
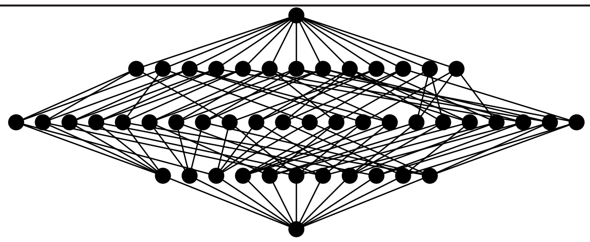
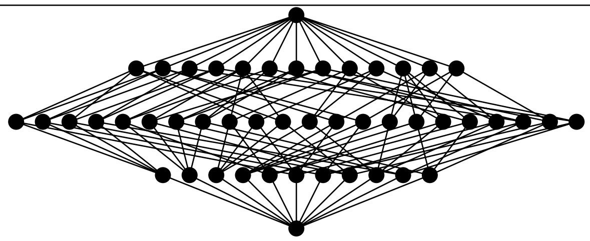
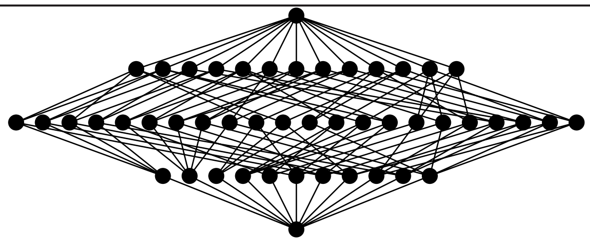
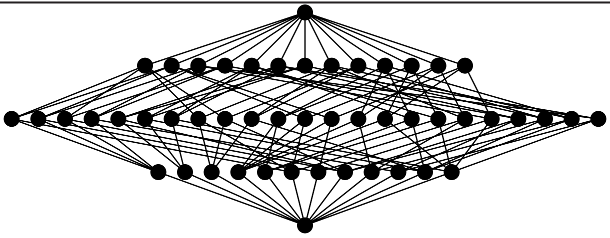
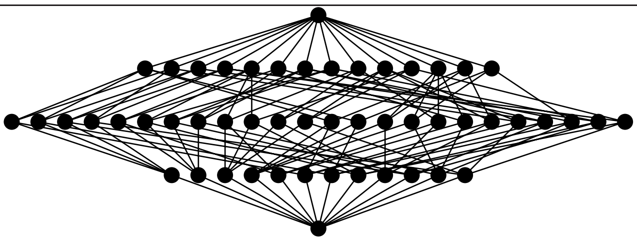
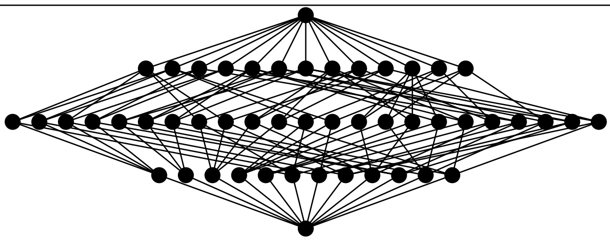
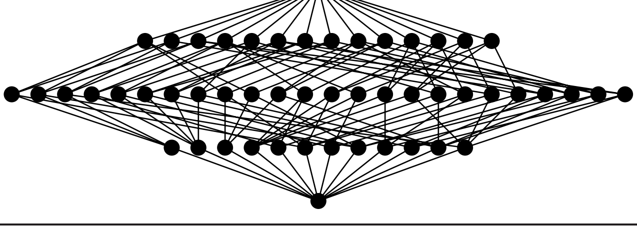
Face Lattice	Polytopes
225 	620
226 	621
227 	622
(v_1v_3) (v_2v_4) (v_5v_7) (v_6v_8) (v_9v_{10}) (e_1e_{11}) (e_2e_9) (e_3e_{10}) (e_4e_{12}) (e_5e_{14}) (e_6e_{13}) (e_7e_{15}) (e_8e_{16}) $(e_{17}e_{20})$ $(e_{18}e_{21})$ $(e_{19}e_{22})$ $(f_{11}f_{14})$ $(f_{12}f_{18})$ $(f_{13}f_{19})$ $(f_{15}f_{22})$ $(f_{16}f_{20})$ $(f_{17}f_{21})$ (v_1v_6) (v_2v_5) (v_3v_8) (v_4v_7) (v_9v_{10}) (e_2e_{13}) (e_3e_{10}) (e_4e_{19}) (e_6e_9) (e_7e_{17}) (e_8e_{18}) $(e_{12}e_{22})$ $(e_{15}e_{20})$ $(e_{16}e_{21})$ $(f_{12}f_{21})$ $(f_{13}f_{19})$ $(f_{16}f_{20})$ $(f_{17}f_{18})$	
228 	623
(v_1v_7) (v_2v_8) (v_3v_5) (v_4v_6) (e_1e_{15}) (e_3e_6) (e_4e_{19}) (e_5e_{11}) (e_8e_{20}) (e_9e_{21}) $(e_{10}e_{13})$ $(e_{12}e_{17})$ $(e_{16}e_{18})$ $(f_{10}f_{14})$ $(f_{13}f_{16})$ $(f_{15}f_{20})$ $(f_{19}f_{21})$	

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 12 vertices.

<table>
<tr><td>Face Lattice</td><td>Polytopes</td></tr>
<tr><td>229 </td><td>624</td></tr>
<tr><td colspan="2">(v_1v_6) (v_2v_5) (v_3v_7) (v_4v_8) (v_9v_{10}) $(v_{11}v_{12})$ (e_2e_8) (e_3e_{12}) (e_4e_{18}) (e_5e_{11}) (e_6e_{17}) (e_7e_{16}) (e_9e_{13}) $(e_{10}e_{19})$ $(e_{14}e_{20})$ $(e_{15}e_{21})$ $(e_{22}e_{23})$ $(f_{11}f_{12})$ $(f_{13}f_{18})$ $(f_{14}f_{22})$ $(f_{16}f_{20})$ $(f_{17}f_{21})$ $(f_{19}f_{23})$</td></tr>
<tr><td>230 (239) </td><td>625</td></tr>
<tr><td colspan="2">(v_1v_6) (v_2v_5) (v_3v_8) (v_4v_7) (v_9v_{10}) (e_2e_{13}) (e_3e_{19}) (e_4e_{20}) (e_6e_9) (e_7e_{17}) (e_8e_{18}) $(e_{11}e_{23})$ $(e_{12}e_{24})$ $(e_{15}e_{21})$ $(e_{16}e_{22})$ $(f_{13}f_{23})$ $(f_{14}f_{20})$ $(f_{17}f_{22})$ $(f_{18}f_{19})$
(v_2v_3) (v_6v_7) (v_9v_{11}) $(v_{10}v_{12})$ (e_1e_2) (e_3e_4) (e_5e_9) (e_6e_{10}) (e_7e_{12}) (e_8e_{11}) $(e_{13}e_{14})$ $(e_{15}e_{16})$ $(e_{17}e_{18})$ $(e_{19}e_{22})$ $(e_{20}e_{21})$ $(e_{23}e_{24})$ $(f_{12}f_{13})$ $(f_{16}f_{19})$ $(f_{17}f_{20})$ $(f_{18}f_{21})$ $(f_{23}f_{24})$
(v_2v_9) (v_3v_{11}) (v_4v_8) (v_6v_{10}) (v_7v_{12}) (e_1e_3) (e_2e_4) (e_5e_{17}) (e_6e_{15}) (e_7e_{19}) (e_8e_{11}) (e_9e_{18}) $(e_{10}e_{16})$ $(e_{12}e_{22})$ $(e_{13}e_{23})$ $(e_{14}e_{24})$ $(e_{20}e_{21})$ $(f_{11}f_{14})$ $(f_{12}f_{13})$ $(f_{15}f_{22})$ $(f_{16}f_{19})$ $(f_{17}f_{20})$ $(f_{18}f_{23})$ $(f_{21}f_{24})$</td></tr>
<tr><td>231 </td><td>626</td></tr>
<tr><td colspan="2">(v_3v_4) (v_7v_8) $(v_{11}v_{12})$ (e_2e_3) (e_6e_7) (e_8e_{12}) (e_9e_{13}) $(e_{10}e_{14})$ $(e_{11}e_{15})$ $(e_{17}e_{18})$ $(e_{20}e_{22})$ $(e_{21}e_{23})$ $(f_{11}f_{12})$ $(f_{13}f_{14})$ $(f_{16}f_{17})$ $(f_{18}f_{21})$ $(f_{19}f_{22})$ $(f_{20}f_{23})$
(v_1v_6) (v_2v_5) (v_3v_7) (v_4v_8) (v_9v_{10}) $(v_{11}v_{12})$ (e_2e_8) (e_3e_{12}) (e_4e_{19}) (e_5e_{16}) (e_6e_{18}) (e_7e_{17}) (e_9e_{13}) $(e_{10}e_{20})$ $(e_{11}e_{21})$ $(e_{14}e_{22})$ $(e_{15}e_{23})$ $(f_{11}f_{12})$ $(f_{13}f_{19})$ $(f_{14}f_{22})$ $(f_{16}f_{18})$ $(f_{17}f_{21})$ $(f_{20}f_{23})$</td></tr>
<tr><td>232 </td><td>627</td></tr>
</table>

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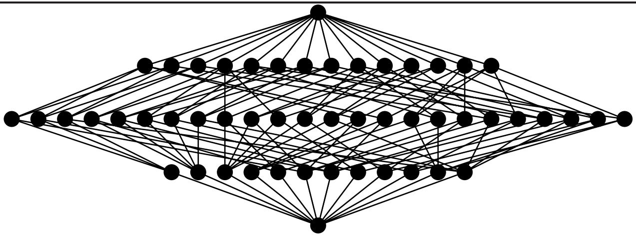
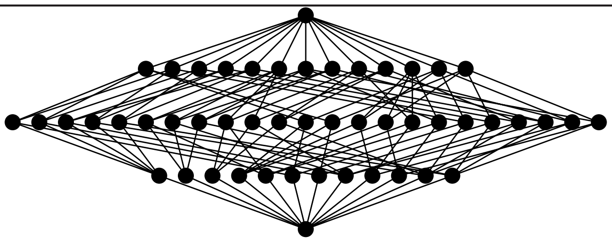
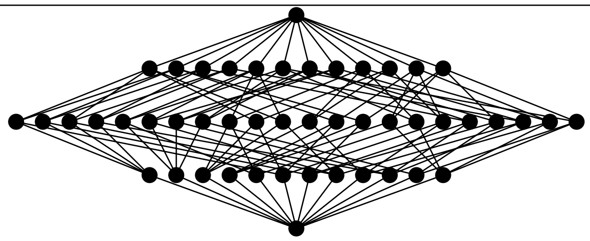
Face Lattice	Polytopes
(v_2v_{11}) (v_3v_{10}) (v_6v_{12}) (v_7v_9) (e_1e_3) (e_4e_{17}) (e_5e_{23}) (e_6e_{22}) (e_7e_{11}) (e_9e_{24}) $(e_{10}e_{21})$ $(e_{13}e_{16})$ $(e_{14}e_{15})$ $(e_{18}e_{20})$ $(f_{11}f_{13})$ $(f_{14}f_{21})$ $(f_{16}f_{19})$ $(f_{17}f_{20})$ $(f_{22}f_{24})$ (v_1v_5) (v_2v_6) (v_3v_7) (v_4v_8) (v_9v_{10}) $(v_{11}v_{12})$ (e_1e_4) (e_2e_{12}) (e_3e_{17}) (e_5e_9) (e_6e_{13}) (e_7e_{18}) (e_8e_{19}) $(e_{10}e_{14})$ $(e_{11}e_{20})$ $(e_{15}e_{21})$ $(e_{16}e_{22})$ $(e_{23}e_{24})$ $(f_{11}f_{14})$ $(f_{12}f_{15})$ $(f_{13}f_{21})$ $(f_{16}f_{19})$ $(f_{17}f_{22})$ $(f_{18}f_{23})$ $(f_{20}f_{24})$ (v_1v_{10}) (v_2v_6) (v_3v_7) (v_4v_{11}) (v_5v_9) (v_8v_{12}) (e_1e_7) (e_2e_{24}) (e_3e_{21}) (e_4e_{18}) (e_5e_9) (e_6e_{19}) (e_8e_{13}) $(e_{10}e_{20})$ $(e_{11}e_{14})$ $(e_{12}e_{23})$ $(e_{15}e_{17})$ $(e_{16}e_{22})$ $(f_{11}f_{16})$ $(f_{12}f_{17})$ $(f_{14}f_{19})$ $(f_{15}f_{22})$ $(f_{18}f_{23})$ $(f_{20}f_{24})$	
233 	628
(v_2v_3) (v_6v_7) (v_9v_{10}) (e_1e_2) (e_4e_9) (e_5e_{10}) (e_6e_{11}) (e_7e_{12}) (e_8e_{13}) $(e_{14}e_{15})$ $(e_{18}e_{20})$ $(e_{19}e_{21})$ $(e_{23}e_{24})$ $(f_{12}f_{13})$ $(f_{15}f_{19})$ $(f_{16}f_{20})$ $(f_{17}f_{21})$ $(f_{18}f_{22})$ $(f_{23}f_{24})$ (v_1v_8) (v_2v_6) (v_3v_7) (v_4v_5) (v_9v_{10}) (e_1e_6) (e_2e_{11}) (e_3e_{22}) (e_4e_{14}) (e_5e_{10}) (e_7e_{18}) (e_8e_{19}) (e_9e_{15}) $(e_{12}e_{20})$ $(e_{13}e_{21})$ $(e_{16}e_{17})$ $(e_{23}e_{24})$ $(f_{11}f_{14})$ $(f_{12}f_{18})$ $(f_{13}f_{22})$ $(f_{15}f_{23})$ $(f_{16}f_{20})$ $(f_{17}f_{21})$ $(f_{19}f_{24})$	
234 	629
(v_2v_3) (v_6v_7) (v_9v_{10}) $(v_{11}v_{12})$ (e_1e_2) (e_4e_5) (e_6e_9) (e_7e_{10}) (e_8e_{11}) $(e_{12}e_{13})$ $(e_{14}e_{15})$ $(e_{16}e_{17})$ $(e_{18}e_{19})$ $(e_{20}e_{21})$ $(e_{22}e_{23})$ $(f_{12}f_{13})$ $(f_{14}f_{15})$ $(f_{17}f_{19})$ $(f_{18}f_{20})$ $(f_{22}f_{23})$ (v_1v_8) (v_2v_6) (v_3v_7) (v_4v_5) (v_9v_{10}) $(v_{11}v_{12})$ (e_1e_7) (e_2e_{10}) (e_4e_{21}) (e_5e_{20}) (e_6e_{12}) (e_8e_{18}) (e_9e_{13}) $(e_{11}e_{19})$ $(e_{14}e_{17})$ $(e_{15}e_{16})$ $(e_{22}e_{23})$ $(f_{11}f_{16})$ $(f_{12}f_{18})$ $(f_{13}f_{20})$ $(f_{14}f_{15})$ $(f_{17}f_{22})$ $(f_{19}f_{23})$	
235 	630

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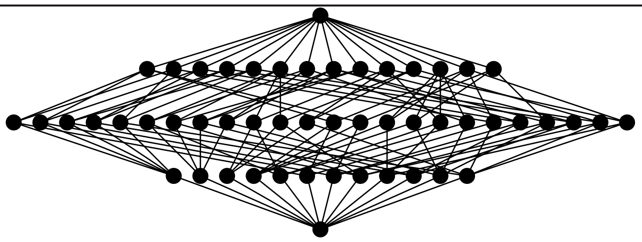
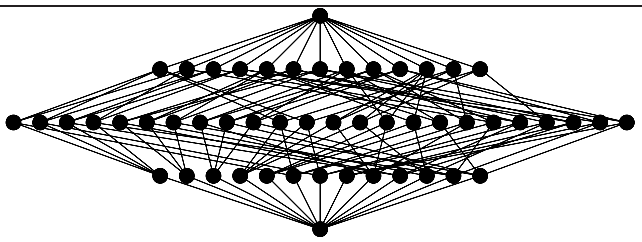
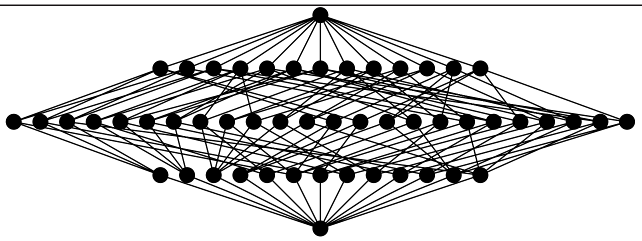
Face Lattice	Polytopes
(v_1v_8) (v_2v_7) (v_3v_6) (v_4v_5) (e_1e_{11}) (e_2e_6) (e_4e_{20}) (e_5e_{14}) (e_7e_{18}) (e_8e_{19}) (e_9e_{13}) $(e_{12}e_{17})$ $(e_{15}e_{16})$ $(f_{12}f_{15})$ $(f_{13}f_{18})$ $(f_{16}f_{22})$ $(f_{19}f_{21})$	
236 	631
(v_1v_8) (v_2v_7) (v_3v_6) (v_4v_5) (e_1e_{11}) (e_2e_7) (e_4e_{22}) (e_5e_{23}) (e_6e_{14}) (e_8e_{20}) (e_9e_{21}) $(e_{10}e_{13})$ $(e_{12}e_{19})$ $(e_{15}e_{17})$ $(e_{16}e_{18})$ $(f_{11}f_{16})$ $(f_{12}f_{21})$ $(f_{13}f_{19})$ $(f_{17}f_{24})$ $(f_{20}f_{23})$	

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 13 vertices.

Face Lattice	Polytopes
237 (237) 	632
(v_2v_3) (v_6v_7) (v_9v_{11}) $(v_{10}v_{12})$ (e_1e_2) (e_3e_4) (e_5e_9) (e_6e_8) (e_7e_{10}) $(e_{11}e_{12})$ $(e_{13}e_{14})$ $(e_{15}e_{16})$ $(e_{18}e_{21})$ $(e_{19}e_{20})$ $(e_{22}e_{23})$ $(f_{13}f_{14})$ $(f_{16}f_{19})$ $(f_{17}f_{20})$ $(f_{18}f_{21})$ $(f_{23}f_{24})$ (v_1v_4) (v_2v_3) (v_5v_8) (v_6v_7) (v_9v_{10}) $(v_{11}v_{12})$ (e_1e_{12}) (e_2e_{11}) (e_3e_{13}) (e_4e_{14}) (e_5e_8) (e_6e_9) (e_7e_{10}) $(e_{15}e_{22})$ $(e_{16}e_{23})$ $(e_{17}e_{24})$ $(e_{18}e_{20})$ $(e_{19}e_{21})$ $(f_{13}f_{24})$ $(f_{14}f_{23})$ $(f_{15}f_{22})$ $(f_{16}f_{21})$ $(f_{17}f_{20})$ $(f_{18}f_{19})$ (v_1v_6) (v_2v_5) (v_3v_8) (v_4v_7) (v_9v_{10}) (e_2e_{11}) (e_3e_{18}) (e_4e_{19}) (e_5e_{15}) (e_6e_{16}) (e_7e_{17}) (e_8e_{22}) (e_9e_{23}) $(e_{10}e_{24})$ $(e_{13}e_{20})$ $(e_{14}e_{21})$ $(f_{14}f_{23})$ $(f_{15}f_{20})$ $(f_{17}f_{22})$ $(f_{18}f_{19})$	
238 	633

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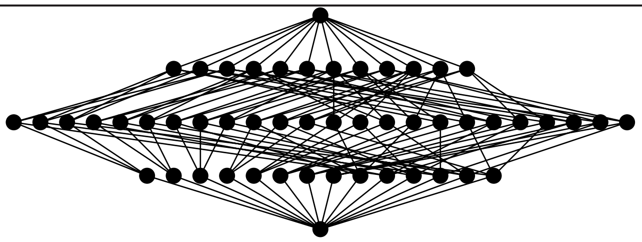
Face Lattice	Polytopes
(v_2v_{12}) (v_4v_{10}) (v_6v_{13}) (v_8v_9) (e_1e_3) (e_4e_{16}) (e_5e_{22}) (e_6e_{15}) (e_7e_{24}) (e_9e_{12}) $(e_{10}e_{11})$ $(e_{13}e_{23})$ $(e_{14}e_{19})$ $(e_{17}e_{21})$ $(f_{12}f_{14})$ $(f_{15}f_{19})$ $(f_{17}f_{24})$ $(f_{18}f_{23})$ $(f_{20}f_{22})$ (v_1v_8) (v_2v_7) (v_3v_6) (v_4v_5) (e_1e_{10}) (e_2e_5) (e_3e_{21}) (e_4e_{14}) (e_6e_{19}) (e_7e_{20}) (e_8e_{13}) $(e_{11}e_{17})$ $(e_{12}e_{18})$ $(e_{15}e_{16})$ $(f_{12}f_{15})$ $(f_{13}f_{22})$ $(f_{14}f_{18})$ $(f_{16}f_{24})$ $(f_{19}f_{23})$	

The face lattice equivalence classes of the Fano polytopes in $\mathbb{Z}^3$ with 14 vertices.

Face Lattice	Polytopes
239 (230) 	634
(v_3v_4) (v_7v_8) $(v_{11}v_{13})$ $(v_{12}v_{14})$ (e_2e_3) (e_5e_6) (e_7e_{10}) (e_8e_{12}) (e_9e_{11}) $(e_{14}e_{15})$ $(e_{17}e_{18})$ $(e_{19}e_{22})$ $(e_{20}e_{24})$ $(e_{21}e_{23})$ $(f_{14}f_{15})$ $(f_{17}f_{18})$ $(f_{19}f_{22})$ $(f_{20}f_{23})$ $(f_{21}f_{24})$ (v_2v_3) (v_6v_7) (v_9v_{11}) $(v_{10}v_{12})$ (e_1e_2) (e_4e_8) (e_5e_7) (e_6e_9) $(e_{10}e_{11})$ $(e_{13}e_{14})$ $(e_{16}e_{20})$ $(e_{17}e_{19})$ $(e_{18}e_{21})$ $(e_{22}e_{23})$ $(f_{13}f_{14})$ $(f_{16}f_{19})$ $(f_{17}f_{20})$ $(f_{18}f_{21})$ $(f_{23}f_{24})$ (v_1v_2) (v_3v_4) (v_5v_6) (v_7v_8) $(v_{11}v_{12})$ $(v_{13}v_{14})$ (e_1e_4) (e_2e_5) (e_3e_6) (e_7e_{10}) (e_8e_{11}) (e_9e_{12}) $(e_{13}e_{16})$ $(e_{14}e_{17})$ $(e_{15}e_{18})$ $(e_{19}e_{22})$ $(e_{20}e_{23})$ $(e_{21}e_{24})$ $(f_{13}f_{16})$ $(f_{14}f_{18})$ $(f_{15}f_{17})$ $(f_{19}f_{23})$ $(f_{20}f_{22})$ $(f_{21}f_{24})$ (v_1v_5) (v_2v_6) (v_3v_7) (v_4v_8) (v_9v_{10}) $(v_{11}v_{12})$ $(v_{13}v_{14})$ (e_1e_{13}) (e_2e_{14}) (e_3e_{15}) (e_4e_{16}) (e_5e_{17}) (e_6e_{18}) (e_7e_{19}) (e_8e_{20}) (e_9e_{21}) $(e_{10}e_{22})$ $(e_{11}e_{23})$ $(e_{12}e_{24})$ $(f_{13}f_{16})$ $(f_{14}f_{19})$ $(f_{15}f_{22})$ $(f_{17}f_{20})$ $(f_{18}f_{23})$ $(f_{21}f_{24})$	