

# Table of codimension 5 Fanos in cluster format

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In the ‘Candidate’ column we list the GRDB ID, ambient space, and basket of the candidate,  $N$  refers to the number of constructions found. The final two columns display each construction in  $G_2^{(5)}$  format. In general,  $G_2$  formats are  $\left( \begin{array}{cccc|cccc|c} \theta_{12} & \theta_{23} & \theta_{34} & \theta_{41} & \theta_1 & \theta_2 & \theta_3 & \theta_4 & \lambda_{13} \\ A_{12} & A_{23} & A_{34} & A_{41} & A_1 & A_2 & A_3 & A_4 & \lambda_{24} \end{array} \right)$  with  $d(A_{12}) = 0$  because we are in codimension 5.

## Codimension 5 Fano 3-folds of index 1

ID	$X \subset \mathbb{P}$ , basket	$N$	Format	Weights
870	$X \subset \mathbb{P}(1, 3, 3, 4, 5, 7, 10, 13, 16)$ $\frac{1}{3}(1, 1, 2), \frac{1}{16}(1, 3, 13)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 23 & 7 & 5 & 16 & 13 & 10 & 3 & 7 & 2 \\ 0 & 6 & 5 & 4 & 0 & 0 & 3 & 0 & 1 \end{array} \right)$
1170	$X \subset \mathbb{P}(1, 2, 3, 4, 5, 7, 7, 9, 11)$ $\frac{1}{7}(1, 3, 4), \frac{1}{11}(1, 2, 9)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 16 & 5 & 7 & 11 & 9 & 7 & 3 & 6 & 2 \\ 0 & 5 & 2 & 4 & 0 & 0 & 3 & 0 & 1 \end{array} \right)$
1393	$X \subset \mathbb{P}(1, 2, 3, 3, 4, 5, 8, 11, 14)$ $2 \times \frac{1}{2}(1, 1, 1), \frac{1}{14}(1, 3, 11)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 19 & 5 & 4 & 14 & 11 & 8 & 2 & 6 & 2 \\ 0 & 5 & 4 & 3 & 0 & 0 & 3 & 0 & 1 \end{array} \right)$
1399	$X \subset \mathbb{P}(1, 2, 3, 3, 4, 5, 5, 8, 11)$ $\frac{1}{2}(1, 1, 1), \frac{1}{5}(1, 2, 3), \frac{1}{11}(1, 3, 8)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 13 & 5 & 4 & 11 & 8 & 5 & 3 & 5 & 1 \\ 0 & 3 & 4 & 2 & 0 & 3 & 0 & 0 & 2 \end{array} \right)$
2428	$X \subset \mathbb{P}(1, 2, 2, 3, 3, 4, 5, 5, 7)$ $3 \times \frac{1}{2}(1, 1, 1), \frac{1}{5}(1, 2, 3), \frac{1}{7}(1, 2, 5)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 8 & 4 & 5 & 7 & 5 & 3 & 3 & 4 & 1 \\ 0 & 2 & 2 & 2 & 0 & 3 & 0 & 0 & 2 \end{array} \right)$
2512	$X \subset \mathbb{P}(1, 2, 2, 3, 3, 3, 4, 4, 5)$ $4 \times \frac{1}{2}(1, 1, 1), 2 \times \frac{1}{3}(1, 1, 2), \frac{1}{5}(1, 2, 3)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 7 & 4 & 4 & 5 & 4 & 3 & 3 & 3 & 0 \\ 0 & 2 & 2 & 2 & 0 & 2 & -1 & 0 & 1 \end{array} \right)$
4926	$X \subset \mathbb{P}(1, 1, 3, 4, 5, 6, 7, 7, 8)$ $\frac{1}{7}(1, 3, 4), \frac{1}{8}(1, 1, 7)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 13 & 5 & 7 & 8 & 7 & 6 & 3 & 5 & 2 \\ 0 & 4 & 1 & 4 & 0 & 0 & 3 & 0 & 1 \end{array} \right)$
5179	$X \subset \mathbb{P}(1, 1, 2, 3, 4, 5, 5, 6, 7)$ $\frac{1}{2}(1, 1, 1), \frac{1}{5}(1, 2, 3), \frac{1}{7}(1, 1, 6)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 11 & 4 & 5 & 7 & 6 & 5 & 2 & 4 & 2 \\ 0 & 3 & 1 & 3 & 0 & 0 & 3 & 0 & 1 \end{array} \right)$
5204	$X \subset \mathbb{P}(1, 1, 2, 3, 4, 4, 5, 6, 7)$ $2 \times \frac{1}{2}(1, 1, 1), \frac{1}{4}(1, 1, 3), \frac{1}{7}(1, 1, 6)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 11 & 4 & 4 & 7 & 6 & 5 & 2 & 4 & 1 \\ 0 & 3 & 2 & 3 & 0 & 0 & 2 & -1 & 1 \end{array} \right)$
5281	$X \subset \mathbb{P}(1, 1, 2, 3, 3, 4, 5, 5, 6)$ $\frac{1}{3}(1, 1, 2), \frac{1}{5}(1, 2, 3), \frac{1}{6}(1, 1, 5)$	2	$G_2^{(5)}$ $G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 9 & 3 & 5 & 6 & 5 & 4 & 2 & 4 & 1 \\ 0 & 3 & 1 & 3 & 0 & 0 & 2 & -1 & 1 \end{array} \right)$ $\left( \begin{array}{cccc cccc c} 9 & 5 & 3 & 6 & 5 & 4 & 2 & 4 & 1 \\ 0 & 1 & 3 & 3 & 0 & 2 & 2 & -3 & 0 \end{array} \right)$
5329	$X \subset \mathbb{P}(1, 1, 2, 3, 3, 4, 4, 5, 5)$ $\frac{1}{4}(1, 1, 3), \frac{1}{5}(1, 1, 4), \frac{1}{5}(1, 2, 3)$	2	$G_2^{(5)}$ $G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 7 & 4 & 5 & 5 & 4 & 3 & 3 & 3 & 1 \\ 0 & 2 & 1 & 2 & 0 & 2 & 0 & 1 & 2 \end{array} \right)$ $\left( \begin{array}{cccc cccc c} 7 & 5 & 4 & 5 & 4 & 3 & 3 & 3 & 1 \\ 0 & 1 & 2 & 2 & 0 & 3 & 0 & 0 & 2 \end{array} \right)$
5411	$X \subset \mathbb{P}(1, 1, 2, 3, 3, 4, 4, 4, 5)$ $\frac{1}{2}(1, 1, 1), 2 \times \frac{1}{4}(1, 1, 3), \frac{1}{5}(1, 1, 4)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 7 & 4 & 4 & 5 & 4 & 3 & 3 & 3 & 0 \\ 0 & 2 & 2 & 2 & 0 & 2 & -1 & 0 & 1 \end{array} \right)$
5594	$X \subset \mathbb{P}(1, 1, 2, 3, 3, 3, 4, 4, 4)$ $\frac{1}{3}(1, 1, 2), 3 \times \frac{1}{4}(1, 1, 3)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 6 & 4 & 4 & 4 & 3 & 3 & 3 & 3 & 0 \\ 0 & 2 & 2 & 2 & 1 & 1 & -1 & -1 & 0 \end{array} \right)$
5861	$X \subset \mathbb{P}(1, 1, 2, 2, 3, 3, 5, 7, 9)$	1	$G_2^{(5)}$	$\left( \begin{array}{cccc cccc c} 12 & 3 & 3 & 9 & 7 & 5 & 1 & 4 & 2 \\ 0 & 3 & 2 & 2 & 0 & 0 & 3 & 0 & 1 \end{array} \right)$

Codimension 5 Fano 3-folds of index 1

ID	$X \subset \mathbb{P}$ , basket	$N$	Format	Weights
	$\frac{1}{3}(1, 1, 2), \frac{1}{9}(1, 2, 7)$			
5871	$X \subset \mathbb{P}(1, 1, 2, 2, 3, 3, 4, 5, 6)$	1	$G_2^{(5)}$	$\begin{pmatrix} 9 & 3 & 3 & 6 &   & 5 & 4 & 2 & 3 &   & 0 \\ 0 & 3 & 2 & 2 &   & 0 & 0 & 0 & 0 &   & 0 \end{pmatrix}$
	$3 \times \frac{1}{2}(1, 1, 1), \frac{1}{3}(1, 1, 2), \frac{1}{6}(1, 1, 5)$			
5966	$X \subset \mathbb{P}(1, 1, 2, 2, 3, 3, 3, 5, 7)$	1	$G_2^{(5)}$	$\begin{pmatrix} 8 & 3 & 3 & 7 &   & 5 & 3 & 2 & 3 &   & 1 \\ 0 & 2 & 2 & 1 &   & 0 & 2 & 0 & 1 &   & 2 \end{pmatrix}$
	$2 \times \frac{1}{3}(1, 1, 2), \frac{1}{7}(1, 2, 5)$			
5973	$X \subset \mathbb{P}(1, 1, 2, 2, 3, 3, 3, 4, 5)$	2	$G_2^{(5)}$	$\begin{pmatrix} 5 & 3 & 4 & 5 &   & 3 & 2 & 3 & 3 &   & 0 \\ 0 & 2 & 2 & 1 &   & 1 & 2 & -2 & 0 &   & 1 \end{pmatrix}$
	$\frac{1}{2}(1, 1, 1), \frac{1}{3}(1, 1, 2), \frac{1}{4}(1, 1, 3) \dots$		$G_2^{(5)}$	$\begin{pmatrix} 5 & 3 & 5 & 4 &   & 3 & 2 & 3 & 3 &   & 0 \\ 0 & 2 & 1 & 2 &   & 0 & 2 & -1 & 0 &   & 1 \end{pmatrix}$
5978	$X \subset \mathbb{P}(1, 1, 2, 2, 3, 3, 3, 4, 5)$	1	$G_2^{(5)}$	$\begin{pmatrix} 7 & 3 & 3 & 5 &   & 4 & 3 & 2 & 3 &   & 0 \\ 0 & 2 & 2 & 2 &   & 0 & 1 & 0 & -1 &   & 0 \end{pmatrix}$
	$2 \times \frac{1}{2}(1, 1, 1), 2 \times \frac{1}{3}(1, 1, 2), \frac{1}{5}(1, 1, 4)$			
6218	$X \subset \mathbb{P}(1, 1, 2, 2, 3, 3, 3, 3, 5)$	1	$G_2^{(5)}$	$\begin{pmatrix} 6 & 3 & 3 & 5 &   & 3 & 3 & 2 & 3 &   & 1 \\ 0 & 2 & 2 & 1 &   & 2 & 0 & 0 & -1 &   & 0 \end{pmatrix}$
	$3 \times \frac{1}{3}(1, 1, 2), \frac{1}{5}(1, 2, 3)$			
6889	$X \subset \mathbb{P}(1, 1, 2, 2, 2, 3, 3, 3, 4)$	1	$G_2^{(5)}$	$\begin{pmatrix} 5 & 3 & 3 & 4 &   & 3 & 2 & 2 & 3 &   & 0 \\ 0 & 1 & 2 & 2 &   & 0 & 2 & 0 & -2 &   & 0 \end{pmatrix}$
	$4 \times \frac{1}{2}(1, 1, 1), \frac{1}{3}(1, 1, 2), \frac{1}{4}(1, 1, 3)$			
6976	$X \subset \mathbb{P}(1, 1, 2, 2, 2, 3, 3, 3, 3)$	1	$G_2^{(5)}$	$\begin{pmatrix} 6 & 3 & 3 & 3 &   & 3 & 3 & 2 & 2 &   & 0 \\ 0 & 2 & 1 & 2 &   & 0 & 0 & 0 & 0 &   & 0 \end{pmatrix}$
	$3 \times \frac{1}{2}(1, 1, 1), 3 \times \frac{1}{3}(1, 1, 2)$			
11006	$X \subset \mathbb{P}(1, 1, 1, 2, 3, 3, 4, 5, 6)$	1	$G_2^{(5)}$	$\begin{pmatrix} 9 & 3 & 3 & 6 &   & 5 & 4 & 1 & 3 &   & 2 \\ 0 & 2 & 1 & 2 &   & 0 & 0 & 3 & 0 &   & 1 \end{pmatrix}$
	$\frac{1}{3}(1, 1, 2), \frac{1}{6}(1, 1, 5)$			
11107	$X \subset \mathbb{P}(1, 1, 1, 2, 2, 3, 4, 5, 6)$	1	$G_2^{(5)}$	$\begin{pmatrix} 9 & 3 & 2 & 6 &   & 5 & 4 & 1 & 3 &   & 1 \\ 0 & 2 & 2 & 2 &   & 0 & 0 & 2 & -1 &   & 0 \end{pmatrix}$
	$2 \times \frac{1}{2}(1, 1, 1), \frac{1}{6}(1, 1, 5)$			
11128	$X \subset \mathbb{P}(1, 1, 1, 2, 2, 3, 3, 4, 5)$	2	$G_2^{(5)}$	$\begin{pmatrix} 7 & 3 & 2 & 5 &   & 4 & 3 & 1 & 3 &   & 1 \\ 0 & 1 & 2 & 2 &   & 0 & 1 & 2 & -2 &   & 0 \end{pmatrix}$
	$\frac{1}{2}(1, 1, 1), \frac{1}{3}(1, 1, 2), \frac{1}{5}(1, 1, 4)$		$G_2^{(5)}$	$\begin{pmatrix} 7 & 2 & 3 & 5 &   & 4 & 3 & 1 & 3 &   & 1 \\ 0 & 2 & 1 & 2 &   & 0 & 0 & 2 & -1 &   & 0 \end{pmatrix}$
11223	$X \subset \mathbb{P}(1, 1, 1, 2, 2, 3, 3, 3, 4)$	1	$G_2^{(5)}$	$\begin{pmatrix} 5 & 3 & 3 & 4 &   & 3 & 2 & 2 & 2 &   & 1 \\ 0 & 1 & 1 & 1 &   & 0 & 2 & 0 & 1 &   & 2 \end{pmatrix}$
	$2 \times \frac{1}{3}(1, 1, 2), \frac{1}{4}(1, 1, 3)$			
11460	$X \subset \mathbb{P}(1, 1, 1, 2, 2, 2, 3, 3, 4)$	2	$G_2^{(5)}$	$\begin{pmatrix} 5 & 2 & 3 & 4 &   & 3 & 2 & 2 & 2 &   & 0 \\ 0 & 2 & 1 & 1 &   & 0 & 1 & -1 & 1 &   & 1 \end{pmatrix}$
	$2 \times \frac{1}{2}(1, 1, 1), \frac{1}{3}(1, 1, 2), \frac{1}{4}(1, 1, 3)$		$G_2^{(5)}$	$\begin{pmatrix} 5 & 3 & 2 & 4 &   & 3 & 2 & 2 & 2 &   & 0 \\ 0 & 1 & 2 & 1 &   & 0 & 2 & -1 & 0 &   & 1 \end{pmatrix}$
11556	$X \subset \mathbb{P}(1, 1, 1, 2, 2, 2, 3, 3, 3)$	1	$G_2^{(5)}$	$\begin{pmatrix} 4 & 3 & 3 & 3 &   & 2 & 2 & 2 & 2 &   & 1 \\ 0 & 1 & 1 & 1 &   & 1 & 1 & 0 & 0 &   & 1 \end{pmatrix}$
	$\frac{1}{2}(1, 1, 1), 3 \times \frac{1}{3}(1, 1, 2)$			
12082	$X \subset \mathbb{P}(1, 1, 1, 2, 2, 2, 2, 3, 3)$	2	$G_2^{(5)}$	$\begin{pmatrix} 4 & 3 & 2 & 3 &   & 2 & 2 & 2 & 2 &   & 0 \\ 0 & 1 & 2 & 1 &   & 1 & 1 & -1 & -1 &   & 0 \end{pmatrix}$
	$3 \times \frac{1}{2}(1, 1, 1), 2 \times \frac{1}{3}(1, 1, 2)$		$G_2^{(5)}$	$\begin{pmatrix} 4 & 2 & 3 & 3 &   & 2 & 2 & 2 & 2 &   & 0 \\ 0 & 2 & 1 & 1 &   & 1 & 0 & -1 & 0 &   & 0 \end{pmatrix}$
16229	$X \subset \mathbb{P}(1, 1, 1, 1, 2, 2, 3, 4, 5)$	1	$G_2^{(5)}$	$\begin{pmatrix} 7 & 2 & 2 & 5 &   & 4 & 3 & 1 & 2 &   & 1 \\ 0 & 2 & 1 & 1 &   & 0 & 0 & 1 & 1 &   & 1 \end{pmatrix}$
	$\frac{1}{2}(1, 1, 1), \frac{1}{5}(1, 1, 4)$			
16342	$X \subset \mathbb{P}(1, 1, 1, 1, 2, 2, 2, 3, 4)$	1	$G_2^{(5)}$	$\begin{pmatrix} 5 & 2 & 2 & 4 &   & 3 & 2 & 1 & 2 &   & 1 \\ 0 & 1 & 1 & 1 &   & 0 & 1 & 1 & 0 &   & 1 \end{pmatrix}$
	$2 \times \frac{1}{2}(1, 1, 1), \frac{1}{4}(1, 1, 3)$			
16358	$X \subset \mathbb{P}(1, 1, 1, 1, 2, 2, 2, 3, 3)$	1	$G_2^{(5)}$	$\begin{pmatrix} 3 & 2 & 3 & 3 &   & 2 & 1 & 2 & 2 &   & 0 \\ 0 & 1 & 1 & 1 &   & 0 & 2 & -1 & 0 &   & 1 \end{pmatrix}$
	$\frac{1}{2}(1, 1, 1), 2 \times \frac{1}{3}(1, 1, 2)$			
16646	$X \subset \mathbb{P}(1, 1, 1, 1, 2, 2, 2, 2, 3)$	1	$G_2^{(5)}$	$\begin{pmatrix} 4 & 2 & 2 & 3 &   & 2 & 2 & 1 & 2 &   & 1 \\ 0 & 1 & 1 & 1 &   & 1 & 0 & 1 & -1 &   & 0 \end{pmatrix}$
	$3 \times \frac{1}{2}(1, 1, 1), \frac{1}{3}(1, 1, 2)$			
20525	$X \subset \mathbb{P}(1, 1, 1, 1, 1, 2, 3, 4, 5)$	1	$G_2^{(5)}$	$\begin{pmatrix} 7 & 2 & 1 & 5 &   & 4 & 3 & 1 & 2 &   & 0 \\ 0 & 2 & 2 & 1 &   & 0 & 0 & 0 & 0 &   & 0 \end{pmatrix}$

Codimension 5 Fano 3-folds of index 1

ID	$X \subset \mathbb{P}$ , basket	$N$	Format	Weights
	$\frac{1}{5}(1, 1, 4)$			
20546	$X \subset \mathbb{P}(1, 1, 1, 1, 1, 2, 2, 3, 4)$	2	$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 5 & 2 & 1 & 4 & 3 & 2 & 1 & 2 & 0 \\ 0 & 1 & 2 & 1 & 0 & 1 & 0 & -1 & 0 \end{array}\right)$
	$\frac{1}{2}(1, 1, 1), \frac{1}{4}(1, 1, 3)$		$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 5 & 1 & 2 & 4 & 3 & 2 & 1 & 2 & 0 \\ 0 & 2 & 1 & 1 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$
20653	$X \subset \mathbb{P}(1, 1, 1, 1, 1, 2, 2, 2, 3)$	1	$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 2 & 2 & 3 & 2 & 1 & 1 & 2 & 2 & 0 \\ 0 & 1 & 1 & 1 & 1 & 1 & -1 & -1 & 0 \end{array}\right)$
	$2 \times \frac{1}{2}(1, 1, 1), \frac{1}{3}(1, 1, 2)$		$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 3 & 1 & 2 & 3 & 2 & 1 & 1 & 2 & 0 \\ 0 & 1 & 1 & 1 & 0 & 1 & 0 & -1 & 0 \end{array}\right)$
24098	$X \subset \mathbb{P}(1, 1, 1, 1, 1, 1, 2, 2, 3)$	1	$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 3 & 1 & 2 & 3 & 2 & 1 & 1 & 2 & 0 \\ 0 & 1 & 1 & 1 & 0 & 1 & 0 & -1 & 0 \end{array}\right)$
	$\frac{1}{2}(1, 1, 1), \frac{1}{3}(1, 1, 2)$		$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 4 & 2 & 1 & 2 & 2 & 2 & 1 & 1 & 0 \\ 0 & 1 & 1 & 1 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$
24197	$X \subset \mathbb{P}(1, 1, 1, 1, 1, 1, 2, 2, 2)$	1	$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 4 & 2 & 1 & 2 & 2 & 2 & 1 & 1 & 0 \\ 0 & 1 & 1 & 1 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$
	$3 \times \frac{1}{2}(1, 1, 1)$		$(\mathbb{P}^1)^3$	$\left(\begin{array}{ccc ccc c} 2 & 1 & 2 & 1 & 1 & 1 & 1 & 1 & 0 \\ 0 & 1 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$
31329	$X \subset \mathbb{P}(1, 1, 1, 1, 1, 1, 1, 1, 1)$	2	$\mathbb{P}^2 \times \mathbb{P}^2$	$\left(\begin{array}{ccc ccc c} 2 & 2 & 1 & 1 & 1 & 1 & 1 & 1 & 0 \\ 0 & 0 & 1 & 1 & 0 & 1 & 0 & -1 & 0 \end{array}\right)$

Codimension 5 Fano 3-folds of index 2

ID	$X \subset \mathbb{P}$ , basket	$N$	Format	Weights
40837	$X \subset \mathbb{P}(1, 1, 1, 1, 2, 2, 3, 4, 5)$	1	$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 7 & 2 & 1 & 5 & 4 & 3 & 1 & 2 & 0 \\ 0 & 2 & 2 & 1 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$
	$\frac{1}{5}(1, 2, 4)$			

Codimension 5 Fano 3-folds of index 3

ID	$X \subset \mathbb{P}$ , basket	$N$	Format	Weights
41062	$X \subset \mathbb{P}(2, 3, 3, 4, 5, 7, 7, 9, 11)$	1	$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 16 & 5 & 7 & 11 & 9 & 7 & 3 & 6 & 2 \\ 0 & 5 & 2 & 4 & 0 & 0 & 3 & 0 & 1 \end{array}\right)$
	$\frac{1}{7}(3, 3, 4), \frac{1}{11}(2, 3, 9)$		$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 11 & 4 & 5 & 7 & 6 & 5 & 2 & 4 & 2 \\ 0 & 3 & 1 & 3 & 0 & 0 & 3 & 0 & 1 \end{array}\right)$
41117	$X \subset \mathbb{P}(1, 2, 3, 3, 4, 5, 5, 6, 7)$	1	$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 11 & 4 & 5 & 7 & 6 & 5 & 2 & 4 & 2 \\ 0 & 3 & 1 & 3 & 0 & 0 & 3 & 0 & 1 \end{array}\right)$
	$\frac{1}{2}(1, 1, 1), \frac{1}{5}(2, 3, 3), \frac{1}{7}(1, 3, 6)$		$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 7 & 5 & 4 & 5 & 4 & 3 & 3 & 3 & 1 \\ 0 & 1 & 2 & 2 & 0 & 3 & 0 & 0 & 2 \end{array}\right)$
41130	$X \subset \mathbb{P}(1, 2, 3, 3, 3, 4, 4, 5, 5)$	1	$G_2^{(5)}$	$\left(\begin{array}{ccc ccc c} 7 & 5 & 4 & 5 & 4 & 3 & 3 & 3 & 1 \\ 0 & 1 & 2 & 2 & 0 & 3 & 0 & 0 & 2 \end{array}\right)$
	$\frac{1}{4}(1, 3, 3), \frac{1}{5}(1, 3, 4), \frac{1}{5}(2, 3, 3)$			