

Some Large Sets of Cyclic Triple Systems

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This file is taken off from the Appendices of our paper “Decomposing Triples into Cyclic Designs, Discrete Mathematics, to appear” to shorten the paper. Although we put some definitions here, more terminologies and techniques should be refereed from our original paper.

Definition 1 A balanced incomplete block design is a pair (X, \mathcal{A}) , where X is a set of v points and \mathcal{A} is a set of k -subsets of X (called blocks) such that each pair of points of X is contained in λ blocks. Such a design is denoted (v, k, λ) -BIBD.

A triple system is a $(v, 3, \lambda)$ -BIBD and denoted $\text{TS}(v, \lambda)$ in this paper. A $\text{TS}(v, 1)$ is called a Steiner triple system.

For a (v, k, λ) -BIBD, (X, \mathcal{A}) , let σ be a permutation on X . For a block $A \in \mathcal{A}$, let $A^\sigma = \{y^\sigma : y \in A\}$. If $\mathcal{A}^\sigma = \{A^\sigma | A \in \mathcal{A}\} = \mathcal{A}$, then σ is called an *automorphism* of (X, \mathcal{A}) . If there is an automorphism σ of order $v = |X|$, then the BIBD is said to be *cyclic*, denoted (k, λ) -CBIBD. Furthermore, if under the action of this automorphism, each orbit of \mathcal{A} is of size v , then we call that design *strictly cyclic*. A cyclic triple system is denoted $\text{CTS}(v, \lambda)$.

A design is called *simple* if it contains no repeated blocks. A simple strictly cyclic triple system is denoted $\text{SCTS}(v, \lambda)$.

Definition 2 A decomposition of triples to cyclic triple systems $\text{DCTS}(v; \lambda_1, \lambda_2, \dots, \lambda_n)$, where $\lambda_i < v - 2$, $i = 1, 2, \dots, n$, is a set system $(X, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_n)$ satisfying the following conditions:

- (X, \mathcal{A}_i) is a simple $\text{CTS}(v, \lambda_i)$, for $i = 1, 2, \dots, n$, under a same cyclic group of size v .
- $\mathcal{A}_i \cap \mathcal{A}_j = \emptyset$, for any $i \neq j$.
- $|\bigcup_{i=1}^n \mathcal{A}_i| = \binom{v}{3}$.

We will use the “exponential” notation to describe a decomposition. So $\text{DCTS}(v; \lambda_1^{u_1} \lambda_2^{u_2} \dots \lambda_m^{u_m})$ means that there are u_1 of λ_1 , u_2 of λ_2 , etc. in the decomposition. When $v \equiv 3 \pmod{6}$, there is an orbit of blocks with size $\frac{v}{3}$ for $\lambda = 1$, we will denote the type as $1^* \lambda_2^{u_2} \lambda_3^{u_3} \dots \lambda_m^{u_m}$. When all the sub-designs in a decomposition are strictly cyclic, we will denote it as $\text{DSCTS}(v; \lambda_1^{u_1} \lambda_2^{u_2} \dots \lambda_m^{u_m})$. DSCTS s can be used to construct cyclic simple triple systems.

A (v, k, λ) -BIBD (X, \mathcal{B}) is *indecomposable*, if there does not exist $\mathcal{A} \subset \mathcal{B}$ such that (X, \mathcal{A}) is a (v, k, λ') -BIBD for $\lambda' < \lambda$. We define a *large set of cyclic triple systems* if all the designs in a decomposition are indecomposable, as follows.

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Definition 3 A large set of cyclic triple systems $LCTS(v; \lambda_1, \lambda_2, \dots, \lambda_n)$ is a $DCTS(X, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_n)$ such that each (X, \mathcal{A}_i) is an indecomposable $CTS(v, \lambda_i)$, for $i = 1, 2, \dots, n$.

In the following constructions, basically we use the methods similar to Theorems 3.5 and 3.6 of our paper to decompose the triples into small cyclic designs. Then we check the small designs by hand to see whether they are indecomposable. After further possible decomposing, we obtain a large set of cyclic designs.

For some larger values of v , we used a computer program with some random method to obtain the decompositions.

1 For $v \equiv 1 \pmod 6$ and $v \leq 91$

(a) An $LSCTS(7; 1^2 3^1)$, see Ex. 3.1. of our paper.

(b) (i) An $LSCTS(13; 1^2 3^3) = (\mathbb{Z}_{13}, \mathcal{A}_1, \mathcal{A}_2, \mathcal{A}_3, \mathcal{A}_4, \mathcal{A}_5)$, where \mathcal{A}_i has been given in Ex. 3.2 of our paper for $i = 1, 2, 3, 4, 5$.

(ii) An $LSCTS(13; 1^1 2^2 3^2) = (\mathbb{Z}_{13}, \mathcal{A}_1, \mathcal{A}_2, \mathcal{A}_3, \mathcal{A}_4, \mathcal{A}_5)$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 5$) is listed below:

$\mathcal{B}_1 : (1, 3, 4), (2, 5, 6)$.

$\mathcal{B}_2 : (1, 1, 2), (3, 3, 6), (4, 4, 5), (5, 2, 6)$.

$\mathcal{B}_3 : ((2, 2, 4), (5, 5, 3), (6, 6, 1), (3, 1, 4))$.

$\mathcal{B}_4 : (1, 2, 3), (1, 4, 5), (1, 5, 6), (2, 3, 5), (2, 4, 6), (3, 4, 6)$.

$\mathcal{B}_5 : (2, 1, 3), (4, 1, 5), (5, 1, 6), (3, 2, 5), (4, 2, 6), (4, 3, 6)$.

(iii) An $LSCTS(13; 2^4 3^1) = (\mathbb{Z}_{13}, \mathcal{A}_1, \mathcal{A}_2, \mathcal{A}_3, \mathcal{A}_4, \mathcal{A}_5)$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 5$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.

$\mathcal{B}_2 : (1, 3, 4), (1, 5, 6), (2, 3, 5), (2, 4, 6)$.

$\mathcal{B}_3 : (3, 1, 4), (5, 1, 6), (3, 2, 5), (4, 2, 6)$.

$\mathcal{B}_4 : (1, 2, 3), (1, 4, 5), (2, 5, 6), (3, 4, 6)$.

$\mathcal{B}_5 : (2, 1, 3), (4, 1, 5), (5, 2, 6), (4, 3, 6)$.

(c) An $LSCTS(19; 1^8 3^3) = (\mathbb{Z}_{19}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{11})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 11$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.

$\mathcal{B}_2 : (1, 7, 8), (2, 3, 5), (4, 6, 9)$.

$\mathcal{B}_3 : (1, 3, 4), (2, 7, 9), (5, 6, 8)$.

$\mathcal{B}_4 : (1, 4, 5), (2, 6, 8), (3, 7, 9)$.

$\mathcal{B}_5 : (1, 5, 6), (2, 8, 9), (3, 4, 7)$.

$\mathcal{B}_6 : (1, 2, 3), (2, 4, 6), (4, 7, 8), (3, 5, 8), (3, 6, 9), (1, 6, 7), (2, 5, 7), (4, 5, 9), (1, 8, 9)$.

\mathcal{B}_{i+5} : adjoined difference triples of $\mathcal{A}_i, 2 \leq i \leq 6$.

(d) An $LSCTS(25; 1^{12} 2^4 3^1) = (\mathbb{Z}_{25}, \mathcal{A}_1, \dots, \mathcal{A}_{17})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 17$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.

$\mathcal{B}_2 : (1, 2, 3), (4, 7, 11), (5, 8, 12), (6, 9, 10)$.

$\mathcal{B}_3 : (1, 3, 4), (2, 8, 10), (5, 9, 11), (6, 7, 12)$.

$\mathcal{B}_4 : (1, 4, 5), (2, 7, 9), (3, 10, 12), (6, 8, 11)$.

$\mathcal{B}_5 : (1, 5, 6), (2, 9, 11), (3, 7, 10), (4, 8, 12)$.

$\mathcal{B}_6 : (1, 8, 9), (2, 10, 12), (3, 4, 7), (5, 6, 11)$.

$\mathcal{B}_7 : (1, 9, 10), (2, 4, 6), (3, 8, 11), (5, 7, 12)$.

$\mathcal{B}_8 : (1, 6, 7), (1, 11, 12), (2, 3, 5), (2, 6, 8), (3, 9, 12), (4, 5, 9), (4, 10, 11), (7, 8, 10)$.

$\mathcal{B}_9 : (1, 7, 8), (1, 10, 11), (2, 5, 7), (2, 11, 12), (3, 5, 8), (3, 6, 9), (4, 6, 10), (4, 9, 12)$.

\mathcal{B}_{i+8} : adjoined difference triples of $\mathcal{B}_i, 2 \leq i \leq 9$.

(e) An $LSCTS(31; 1^8 3^7) = (\mathbb{Z}_{31}, \mathcal{A}_1, \dots, \mathcal{A}_{15})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 15$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.

$\mathcal{B}_2 : (1, 5, 6), (2, 10, 12), (3, 13, 15), (4, 7, 11), (8, 9, 14)$.

$\mathcal{B}_3 : (1, 11, 12), (4, 13, 14), (15, 10, 6), (2, 9, 7), (8, 5, 3)$.

$\mathcal{B}_4 : (3, 2, 5), (12, 8, 11), (14, 1, 13), (6, 4, 10), (7, 15, 9)$.

$\mathcal{B}_5 : (9, 6, 15), (5, 7, 2), (11, 3, 8), (13, 12, 1), (10, 14, 4)$.

$\mathcal{B}_6 : (1, 2, 3), (3, 6, 9), (9, 13, 4), (4, 8, 12), (12, 7, 5), (5, 10, 15), (15, 1, 14), (14, 3, 11), (11, 9, 2), (2, 4, 6), (6, 12, 13), (13, 8, 5), (8, 15, 7), (7, 14, 10), (10, 1, 11)$.

$\mathcal{B}_7 : (1, 3, 4), (3, 9, 12), (9, 4, 5), (4, 12, 15), (12, 5, 14), (5, 15, 11), (15, 14, 2), (14, 11, 6), (11, 2, 13), (2, 6, 8), (6, 13, 7), (13, 8, 10), (8, 7, 1), (7, 10, 3), (10, 1, 9)$.

$\mathcal{B}_8 : (1, 4, 5), (3, 12, 15), (9, 5, 4), (4, 15, 11), (12, 14, 2), (5, 11, 6), (15, 2, 13), (14, 6, 8), (11, 13, 7), (2, 8, 10), (6, 7, 1), (13, 10, 3), (8, 1, 9), (7, 3, 4), (10, 9, 12)$.

\mathcal{B}_{i+7} : adjoined difference triples of $\mathcal{B}_i, 2 \leq i \leq 8$.

\mathcal{B}_{i+7} : adjoined difference triples of $\mathcal{B}_i, 2 \leq i \leq 8$.

(f) An $LSCTS(37; 1^8 3^9) = (\mathbb{Z}_{37}, \mathcal{A}_1, \dots, \mathcal{A}_{17})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 17$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.

$\mathcal{B}_2 : (1, 10, 11), (2, 17, 15), (4, 3, 7), (8, 6, 14), (16, 12, 9), (5, 13, 18)$.

$\mathcal{B}_3 : (1, 2, 3), (8, 16, 13), (10, 17, 7), (6, 12, 18), (11, 15, 4), (14, 9, 5)$.

$\mathcal{B}_4 : (2, 4, 6), (16, 5, 11), (17, 3, 14), (12, 13, 1), (15, 7, 8), (9, 18, 10)$.

$\mathcal{B}_5 : (4, 8, 12), (5, 10, 15), (3, 6, 9), (13, 11, 2), (7, 14, 16), (18, 1, 17)$.

$\mathcal{B}_6 : (1, 3, 4), (2, 6, 8), (4, 12, 16), (8, 13, 5), (16, 11, 10), (5, 15, 17), (10, 7, 3), (17, 14, 6), (9, 10, 1), (3, 9, 12), (6, 18, 13), (12, 1, 11), (13, 2, 15), (11, 4, 7), (15, 8, 14), (7, 16, 9), (14, 5, 18), (18, 17, 2)$.

$\mathcal{B}_7 : (1, 4, 5), (18, 2, 16), (4, 16, 17), (8, 5, 3), (16, 10, 6), (5, 17, 12), (13, 15, 9), (10, 3, 13), (17, 6, 11), (2, 8, 10), (3, 12, 15), (6, 13, 7), (12, 11, 14), (11, 7, 18), (15, 14, 1), (7, 9, 2), (9, 1, 8), (14, 18, 4)$.

$\mathcal{B}_8 : (1, 5, 6), (2, 10, 12), (4, 17, 13), (8, 3, 11), (16, 6, 15), (5, 12, 7), (10, 13, 14), (17, 11, 9), (18, 16, 3), (3, 15, 18), (6, 7, 1), (12, 14, 2), (13, 9, 4), (11, 18, 8), (15, 1, 16), (9, 8, 17), (7, 2, 5), (14, 4, 10)$.

\mathcal{B}_9 : (1, 7, 8), (2, 14, 16), (8, 18, 10), (12, 10, 15), (16, 1, 17), (5, 2, 3), (10, 4, 6), (18, 15, 4), (17, 8, 12),
(3, 16, 13), (6, 5, 11), (4, 9, 5), (13, 17, 7), (11, 3, 14), (9, 11, 2), (15, 6, 9), (7, 12, 18), (14, 13, 1).
 \mathcal{B}_{i+8} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 9$.

(g) An LSCTS(43; $1^8 3^{11}$) = $(\mathbb{Z}_{43}, \mathcal{A}_1, \dots, \mathcal{A}_{19})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 19$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.
 \mathcal{B}_2 : (1, 6, 7), (3, 18, 21), (9, 11, 20), (16, 10, 17), (5, 13, 8), (15, 4, 19), (2, 12, 14).
 \mathcal{B}_3 : (1, 9, 10), (16, 15, 12), (2, 18, 20), (11, 13, 19), (4, 7, 3), (21, 17, 5), (8, 14, 6).
 \mathcal{B}_4 : (1, 18, 19), (3, 16, 13), (5, 2, 7), (6, 11, 17), (10, 4, 14), (12, 21, 9), (20, 8, 15).
 \mathcal{B}_5 : (1, 13, 12), (9, 5, 4), (15, 6, 21), (18, 10, 8), (7, 20, 16), (17, 19, 2), (14, 3, 11).
 \mathcal{B}_6 : (1, 2, 3), (3, 6, 9), (9, 18, 16), (16, 11, 5), (5, 10, 15), (15, 13, 2), (2, 4, 6), (6, 12, 18), (4, 8, 12), (18, 7, 11), (10, 20, 13),
(13, 17, 4), (12, 19, 7), (11, 21, 10), (7, 14, 21), (21, 1, 20), (20, 3, 17), (17, 9, 8), (8, 16, 19), (19, 5, 14), (14, 15, 1).
 \mathcal{B}_7 : (1, 3, 4), (3, 9, 12), (9, 16, 7), (16, 5, 21), (5, 15, 20), (15, 2, 17), (12, 7, 5), (2, 6, 8), (6, 18, 19), (11, 10, 1), (10, 13, 3),
(21, 20, 2), (13, 4, 9), (4, 12, 16), (7, 21, 15), (18, 11, 14), (20, 17, 6), (17, 8, 18), (8, 19, 11), (19, 14, 10), (14, 1, 13).
 \mathcal{B}_8 : (1, 4, 5), (3, 12, 15), (9, 7, 2), (16, 21, 6), (5, 20, 18), (2, 8, 10), (6, 19, 13), (21, 2, 19), (18, 14, 4), (11, 1, 12), (10, 3, 7),
(15, 17, 11), (20, 6, 14), (13, 9, 21), (4, 16, 20), (12, 5, 17), (7, 15, 8), (17, 18, 1), (8, 11, 3), (19, 10, 9), (14, 13, 16).
 \mathcal{B}_9 : (1, 5, 6), (3, 15, 18), (9, 2, 11), (16, 6, 10), (5, 18, 13), (15, 11, 4), (2, 10, 12), (7, 8, 1), (6, 13, 7), (18, 4, 21), (10, 7, 17),
(11, 12, 20), (21, 19, 3), (20, 14, 9), (13, 21, 8), (4, 20, 19), (12, 17, 14), (17, 1, 16), (8, 3, 5), (19, 9, 15), (14, 16, 2).
 \mathcal{B}_{10} : (1, 8, 9), (3, 19, 16), (9, 14, 5), (16, 1, 15), (5, 3, 2), (15, 9, 6), (2, 16, 18), (18, 15, 10), (11, 2, 13), (10, 6, 4), (6, 5, 11),
(21, 4, 17), (20, 12, 8), (13, 18, 12), (4, 11, 7), (12, 10, 21), (7, 13, 20), (17, 7, 19), (8, 21, 14), (19, 20, 1), (14, 17, 3).
 \mathcal{B}_{i+9} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 10$.

(h) An LSCTS(49; $1^{20} 2^6 3^5$) = $(\mathbb{Z}_{49}, \mathcal{A}_1, \dots, \mathcal{A}_{31})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 31$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.
 \mathcal{B}_2 : (1, 2, 3), (4, 6, 10), (5, 18, 23), (7, 9, 16), (8, 20, 21), (11, 14, 24), (12, 15, 22), (13, 17, 19).
 \mathcal{B}_3 : (1, 4, 5), (2, 7, 9), (3, 16, 19), (6, 18, 24), (8, 13, 21), (10, 17, 22), (11, 12, 23), (14, 15, 20).
 \mathcal{B}_4 : (1, 6, 7), (2, 8, 10), (3, 14, 17), (4, 20, 24), (5, 16, 21), (9, 13, 22), (11, 15, 23), (12, 18, 19).
 \mathcal{B}_5 : (1, 8, 9), (2, 4, 6), (3, 19, 22), (5, 10, 15), (7, 18, 24), (11, 17, 21), (12, 14, 23), (13, 16, 20).
 \mathcal{B}_6 : (1, 10, 11), (2, 13, 15), (3, 18, 21), (4, 8, 12), (5, 14, 19), (6, 17, 23), (7, 20, 22), (9, 16, 24).
 \mathcal{B}_7 : (1, 12, 13), (2, 9, 11), (3, 4, 7), (5, 20, 24), (6, 15, 21), (8, 19, 22), (10, 16, 23), (14, 17, 18).
 \mathcal{B}_8 : (1, 14, 15), (2, 20, 22), (3, 7, 10), (4, 13, 17), (5, 11, 16), (6, 19, 24), (8, 18, 23), (9, 12, 21).
 \mathcal{B}_9 : (1, 16, 17), (2, 22, 24), (3, 15, 18), (4, 19, 23), (5, 9, 14), (6, 7, 13), (8, 12, 20), (10, 11, 21).
 \mathcal{B}_{10} : (1, 20, 21), (2, 17, 19), (3, 9, 12), (4, 14, 18), (5, 6, 11), (7, 15, 22), (8, 16, 24), (10, 13, 23).
 \mathcal{B}_{11} : (1, 18, 19), (2, 11, 13), (3, 5, 8), (4, 22, 23), (6, 10, 16), (9, 15, 24), (12, 17, 20), (7, 14, 21).
 \mathcal{B}_{12} : (1, 11, 12), (1, 21, 22), (2, 23, 24), (3, 6, 9), (3, 17, 20), (4, 10, 14), (13, 15, 21), (14, 16, 19),
(2, 6, 8), (4, 5, 9), (5, 8, 13), (7, 17, 24), (7, 19, 23), (10, 12, 22), (11, 18, 20), (15, 16, 18).
 \mathcal{B}_{13} : (1, 15, 16), (1, 23, 24), (2, 5, 7), (3, 10, 13), (4, 17, 21), (4, 18, 22), (6, 11, 17), (12, 13, 24),
(2, 3, 5), (6, 14, 20), (7, 8, 15), (8, 11, 19), (9, 14, 23), (9, 18, 22), (10, 19, 20), (12, 16, 21).
 \mathcal{B}_{14} : (1, 9, 10), (1, 19, 20), (2, 16, 18), (2, 21, 23), (3, 11, 14), (3, 12, 15), (4, 15, 19), (4, 21, 24),
(5, 7, 12), (5, 13, 18), (6, 16, 22), (6, 20, 23), (7, 10, 17), (8, 9, 17), (8, 14, 22), (11, 13, 24).
 \mathcal{B}_{15} : (1, 3, 4), (2, 12, 14), (2, 14, 16), (2, 19, 21), (3, 20, 23), (3, 21, 24), (11, 16, 22), (10, 18, 21),
(4, 9, 13), (4, 11, 15), (5, 15, 20), (5, 17, 22), (6, 12, 18), (6, 13, 19), (7, 12, 19), (7, 16, 23),
(1, 5, 6), (1, 7, 8), (8, 10, 18), (8, 17, 24), (9, 11, 20), (9, 17, 23), (10, 15, 24), (13, 14, 22).
 \mathcal{B}_{16} : (1, 13, 14), (1, 17, 18), (1, 22, 23), (2, 10, 12), (2, 15, 17), (2, 18, 20), (3, 8, 11), (3, 13, 16),
(3, 22, 24), (4, 7, 11), (4, 12, 16), (4, 16, 20), (5, 12, 17), (5, 19, 24), (5, 21, 23), (6, 8, 14),
(6, 9, 15), (6, 21, 22), (7, 11, 18), (7, 13, 20), (8, 15, 23), (9, 10, 19), (9, 19, 21), (10, 14, 24).
 \mathcal{B}_{i+15} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 16$.

(i) An LSCTS(55; $1^{38} 2^6 3^1$) = $(\mathbb{Z}_{55}, \mathcal{A}_1, \dots, \mathcal{A}_{45})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 45$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.
 \mathcal{B}_2 : (1, 2, 3), (4, 5, 9), (6, 8, 14), (7, 19, 26), (10, 17, 27), (11, 21, 23), (12, 18, 25), (13, 20, 22), (15, 16, 24).
 \mathcal{B}_3 : (1, 3, 4), (2, 5, 7), (6, 9, 15), (8, 18, 26), (10, 20, 25), (11, 16, 27), (12, 21, 22), (13, 19, 23), (14, 17, 24).
 \mathcal{B}_4 : (1, 4, 5), (2, 6, 8), (3, 10, 13), (7, 20, 27), (9, 21, 25), (11, 15, 26), (12, 19, 24), (14, 18, 23), (16, 17, 22).
 \mathcal{B}_5 : (1, 5, 6), (2, 7, 9), (3, 8, 11), (4, 23, 27), (10, 21, 24), (12, 14, 26), (13, 17, 25), (15, 18, 22), (16, 19, 20).
 \mathcal{B}_6 : (1, 6, 7), (2, 3, 5), (4, 8, 12), (9, 20, 26), (10, 22, 23), (11, 17, 27), (13, 18, 24), (14, 16, 25), (15, 19, 21).
 \mathcal{B}_7 : (1, 7, 8), (2, 4, 6), (3, 13, 16), (5, 24, 26), (9, 18, 27), (10, 12, 22), (11, 19, 25), (14, 20, 21), (15, 17, 23).
 \mathcal{B}_8 : (1, 8, 9), (2, 10, 12), (3, 11, 14), (4, 19, 23), (5, 16, 21), (6, 24, 25), (7, 22, 26), (13, 15, 27), (17, 18, 20).
 \mathcal{B}_9 : (1, 9, 10), (2, 11, 13), (3, 4, 7), (5, 19, 24), (6, 22, 27), (8, 17, 25), (12, 20, 23), (14, 15, 26), (16, 18, 21).
 \mathcal{B}_{10} : (1, 10, 11), (2, 12, 14), (3, 15, 18), (4, 13, 17), (5, 21, 26), (6, 19, 25), (7, 16, 23), (8, 20, 27), (9, 22, 24).
 \mathcal{B}_{11} : (1, 11, 12), (2, 8, 10), (3, 17, 20), (4, 18, 22), (5, 14, 19), (6, 21, 27), (7, 23, 25), (9, 15, 24), (13, 16, 26).
 \mathcal{B}_{12} : (1, 12, 13), (2, 9, 11), (3, 14, 17), (4, 16, 20), (5, 22, 27), (6, 15, 21), (7, 18, 25), (8, 23, 24), (10, 19, 26).
 \mathcal{B}_{13} : (1, 13, 14), (2, 15, 17), (3, 7, 10), (4, 25, 26), (5, 18, 23), (6, 16, 22), (8, 19, 27), (9, 12, 21), (11, 20, 24).
 \mathcal{B}_{14} : (1, 14, 15), (2, 16, 18), (3, 19, 22), (4, 6, 10), (5, 23, 27), (7, 17, 24), (8, 21, 26), (9, 11, 20), (12, 13, 25).
 \mathcal{B}_{15} : (1, 15, 16), (2, 17, 19), (3, 23, 26), (4, 24, 27), (5, 9, 14), (6, 12, 18), (7, 13, 20), (8, 22, 25), (10, 11, 21).
 \mathcal{B}_{16} : (1, 16, 17), (2, 18, 20), (3, 22, 25), (4, 11, 15), (5, 7, 12), (6, 23, 26), (8, 13, 21), (9, 19, 27), (10, 14, 24).
 \mathcal{B}_{17} : (1, 17, 18), (2, 14, 16), (3, 24, 27), (4, 21, 25), (5, 8, 13), (6, 20, 26), (7, 15, 22), (9, 10, 19), (11, 12, 23).
 \mathcal{B}_{18} : (1, 18, 19), (2, 21, 23), (3, 5, 8), (4, 22, 26), (6, 14, 20), (7, 10, 17), (9, 16, 25), (11, 13, 24), (12, 15, 27).
 \mathcal{B}_{19} : (1, 19, 20), (2, 22, 24), (3, 25, 27), (4, 9, 13), (5, 12, 17), (6, 10, 16), (7, 14, 21), (8, 15, 23), (11, 18, 26).
 \mathcal{B}_{20} : (1, 20, 21), (2, 26, 27), (3, 9, 12), (4, 7, 11), (5, 13, 18), (6, 17, 23), (8, 16, 24), (10, 15, 25), (14, 19, 22).
 \mathcal{B}_{21} : (1, 21, 22), (1, 22, 23), (2, 13, 15), (2, 23, 25), (3, 12, 15), (3, 16, 19), (4, 10, 14), (4, 20, 24), (5, 6, 11),
(5, 20, 25), (6, 18, 24), (7, 9, 16), (7, 21, 27), (8, 10, 18), (8, 11, 19), (9, 17, 26), (12, 17, 26), (13, 14, 27).
 \mathcal{B}_{22} : (1, 23, 24), (1, 25, 26), (2, 20, 22), (2, 24, 26), (3, 18, 21), (4, 15, 19), (4, 17, 21), (10, 18, 27), (5, 11, 16),
(3, 6, 9), (5, 15, 20), (6, 7, 13), (7, 12, 19), (8, 9, 17), (8, 14, 22), (10, 13, 23), (11, 14, 25), (12, 16, 27).
 \mathcal{B}_{23} : (1, 24, 25), (1, 26, 27), (2, 19, 21), (2, 25, 27), (3, 20, 23), (3, 21, 24), (4, 12, 16), (4, 14, 18), (5, 10, 15),
(5, 17, 22), (6, 11, 17), (6, 13, 19), (7, 8, 15), (7, 11, 18), (8, 12, 20), (9, 13, 22), (9, 14, 23), (10, 16, 26).
 \mathcal{B}_{i+22} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 23$.

(j) An LSCTS(61; $1^{46} 2^2 3^3$) = $(\mathbb{Z}_{61}, \mathcal{A}_1, \dots, \mathcal{A}_{51})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 51$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.
 \mathcal{B}_2 : (1, 2, 3), (4, 5, 9), (6, 7, 13), (8, 17, 25), (10, 20, 30), (11, 21, 29), (12, 22, 27), (14, 23, 24), (15, 18, 28), (16, 19, 26).
 \mathcal{B}_3 : (1, 3, 4), (2, 5, 7), (6, 8, 14), (9, 16, 25), (10, 22, 29), (11, 23, 27), (12, 21, 28), (13, 17, 30), (15, 20, 26), (18, 19, 24).
 \mathcal{B}_4 : (1, 4, 5), (2, 6, 8), (3, 7, 10), (9, 18, 27), (11, 19, 30), (12, 20, 29), (13, 23, 25), (14, 21, 26), (15, 22, 24), (16, 17, 28).
 \mathcal{B}_5 : (1, 5, 6), (2, 7, 9), (3, 8, 11), (4, 20, 24), (10, 25, 26), (12, 18, 30), (13, 21, 27), (14, 19, 28), (15, 17, 29), (16, 22, 23).

\mathcal{B}_6 : (1, 6, 7), (2, 3, 5), (4, 8, 12), (9, 17, 26), (10, 24, 27), (11, 22, 28), (13, 19, 29), (14, 16, 30), (15, 21, 25), (18, 20, 23).
 \mathcal{B}_7 : (1, 7, 8), (2, 4, 6), (3, 9, 12), (5, 20, 25), (10, 23, 28), (11, 18, 29), (13, 22, 26), (14, 17, 30), (15, 19, 27), (16, 21, 24).
 \mathcal{B}_8 : (1, 8, 9), (2, 10, 12), (3, 4, 7), (5, 19, 24), (6, 26, 29), (11, 20, 30), (13, 15, 28), (14, 22, 25), (16, 18, 27), (17, 21, 23).
 \mathcal{B}_9 : (1, 9, 10), (2, 11, 13), (3, 5, 8), (4, 16, 20), (6, 27, 28), (7, 24, 30), (12, 23, 26), (14, 15, 29), (17, 19, 25), (18, 21, 22).
 \mathcal{B}_{10} : (1, 10, 11), (2, 12, 14), (3, 13, 16), (4, 15, 19), (5, 18, 23), (6, 22, 28), (7, 25, 29), (8, 26, 27), (9, 21, 30), (17, 20, 24).
 \mathcal{B}_{11} : (1, 11, 12), (2, 8, 10), (3, 14, 17), (4, 19, 23), (5, 21, 26), (6, 18, 24), (7, 22, 29), (9, 25, 27), (13, 20, 28), (15, 16, 30).
 \mathcal{B}_{12} : (1, 12, 13), (2, 9, 11), (3, 15, 18), (4, 22, 26), (5, 25, 30), (6, 17, 23), (7, 21, 28), (8, 16, 24), (10, 19, 29), (14, 20, 27).
 \mathcal{B}_{13} : (1, 13, 14), (2, 15, 17), (3, 6, 9), (4, 18, 22), (5, 24, 29), (7, 26, 28), (8, 19, 27), (10, 21, 30), (11, 12, 23), (16, 20, 25).
 \mathcal{B}_{14} : (1, 14, 15), (2, 16, 18), (3, 10, 13), (4, 17, 21), (5, 22, 27), (6, 25, 30), (7, 12, 19), (8, 20, 28), (9, 23, 29), (11, 24, 26).
 \mathcal{B}_{15} : (1, 15, 16), (2, 17, 19), (3, 11, 14), (4, 24, 28), (5, 27, 29), (6, 20, 26), (7, 18, 25), (8, 22, 30), (9, 12, 21), (10, 13, 23).
 \mathcal{B}_{16} : (1, 16, 17), (2, 13, 15), (3, 19, 22), (4, 26, 30), (5, 6, 11), (7, 20, 27), (8, 21, 29), (9, 14, 23), (10, 18, 28), (12, 24, 25).
 \mathcal{B}_{17} : (1, 17, 18), (2, 14, 16), (3, 20, 23), (4, 25, 29), (5, 26, 30), (6, 21, 27), (7, 8, 15), (9, 19, 28), (10, 12, 22), (11, 13, 24).
 \mathcal{B}_{18} : (1, 18, 19), (2, 20, 22), (3, 21, 24), (4, 27, 30), (5, 8, 13), (6, 23, 29), (7, 9, 16), (10, 15, 25), (11, 17, 28), (12, 14, 26).
 \mathcal{B}_{19} : (1, 19, 20), (2, 21, 23), (3, 24, 27), (4, 13, 17), (5, 7, 12), (6, 10, 16), (8, 25, 28), (9, 22, 30), (11, 15, 26), (14, 18, 29).
 \mathcal{B}_{20} : (1, 20, 21), (2, 22, 24), (3, 25, 28), (4, 6, 10), (5, 9, 14), (7, 19, 26), (8, 15, 23), (11, 16, 27), (13, 17, 29), (15, 18, 30).
 \mathcal{B}_{21} : (1, 21, 22), (2, 23, 25), (3, 28, 30), (4, 10, 14), (5, 11, 16), (6, 13, 19), (7, 17, 24), (8, 18, 26), (9, 20, 29), (12, 15, 27).
 \mathcal{B}_{22} : (1, 23, 24), (2, 18, 20), (3, 27, 30), (4, 28, 29), (5, 17, 22), (6, 9, 15), (7, 14, 21), (8, 11, 19), (10, 16, 26), (12, 13, 25).
 \mathcal{B}_{23} : (1, 25, 26), (2, 27, 29), (3, 18, 21), (4, 11, 15), (5, 23, 28), (6, 16, 22), (7, 13, 20), (8, 9, 17), (10, 14, 24), (12, 19, 30).
 \mathcal{B}_{24} : (1, 26, 27), (2, 19, 21), (3, 22, 25), (4, 14, 18), (5, 10, 15), (6, 11, 17), (7, 23, 30), (8, 12, 20), (9, 24, 28), (13, 16, 29).
 \mathcal{B}_{25} : (1, 22, 23), (1, 24, 25), (2, 26, 28), (2, 28, 30), (3, 16, 19), (3, 26, 29), (4, 12, 16), (4, 21, 25), (5, 12, 17), (5, 13, 18), (6, 14, 20), (6, 15, 21), (7, 11, 18), (7, 15, 22), (8, 23, 30), (8, 24, 29), (9, 10, 19), (9, 11, 20), (10, 17, 27), (13, 14, 27).
 \mathcal{B}_{26} : (1, 27, 28), (1, 28, 29), (1, 29, 30), (2, 24, 26), (2, 25, 27), (2, 29, 30), (17, 18, 26), (3, 12, 15), (3, 17, 20), (3, 23, 26), (4, 23, 27), (5, 14, 19), (5, 15, 20), (5, 16, 21), (6, 12, 18), (6, 19, 25), (12, 16, 28), (6, 24, 30), (7, 10, 17), (7, 16, 23), (8, 10, 18), (8, 13, 21), (4, 9, 13), (8, 14, 22), (9, 13, 22), (9, 15, 24), (10, 11, 21), (11, 14, 25), (4, 7, 11), (19, 20, 22).
 \mathcal{B}_{i+25} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 26$.

(k) An LSCTS($67; 2^{28}3^3$) = $(\mathbb{Z}_{67}, \mathcal{A}_1, \dots, \mathcal{A}_{31})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 31$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.
 \mathcal{B}_2 : (1, 2, 3), (1, 3, 4), (2, 4, 6), (5, 6, 11), (15, 17, 32), (21, 22, 24), (20, 23, 24), (9, 10, 19), (10, 11, 21), (12, 13, 25), (13, 14, 27), (17, 22, 28), (18, 19, 30), (5, 15, 20), (14, 23, 30), (7, 26, 33), (7, 29, 31), (8, 27, 32), (8, 28, 31), (9, 16, 25), (12, 26, 29), (16, 18, 33).
 \mathcal{B}_3 : (1, 4, 5), (1, 5, 6), (2, 6, 8), (2, 7, 9), (19, 21, 27), (18, 21, 28), (14, 22, 31), (10, 12, 22), (10, 13, 23), (12, 14, 26), (18, 20, 29), (13, 17, 30), (16, 25, 26), (3, 20, 23), (8, 24, 32), (9, 15, 24), (11, 25, 31), (11, 27, 29), (16, 17, 33), (3, 30, 33), (4, 15, 19), (7, 28, 32).
 \mathcal{B}_4 : (1, 6, 7), (1, 7, 8), (2, 3, 5), (2, 8, 10), (16, 19, 32), (18, 24, 25), (17, 20, 30), (11, 12, 23), (11, 13, 24), (12, 15, 27), (13, 15, 28), (20, 21, 26), (6, 28, 33), (4, 18, 22), (16, 22, 29), (9, 21, 30), (3, 23, 26), (10, 25, 32), (4, 29, 33), (5, 14, 19), (9, 27, 31), (14, 17, 31).
 \mathcal{B}_5 : (1, 8, 9), (1, 9, 10), (2, 5, 7), (2, 10, 12), (14, 20, 33), (17, 23, 27), (15, 21, 31), (4, 12, 16), (6, 13, 19), (6, 14, 20), (16, 21, 30), (19, 22, 26), (13, 25, 29), (3, 24, 27), (5, 18, 23), (7, 24, 31), (8, 29, 30), (11, 15, 26), (3, 25, 28), (4, 28, 32), (11, 22, 33), (17, 18, 32).
 \mathcal{B}_6 : (1, 10, 11), (1, 11, 12), (2, 12, 14), (2, 13, 15), (19, 23, 25), (3, 13, 16), (8, 25, 33), (4, 16, 20), (5, 17, 22), (6, 9, 15), (6, 30, 31), (8, 21, 29), (18, 23, 26), (3, 28, 31), (4, 30, 33), (5, 19, 24), (10, 28, 29), (9, 26, 32), (7, 17, 24), (14, 21, 32), (18, 22, 27), (7, 20, 27).
 \mathcal{B}_7 : (1, 12, 13), (1, 13, 14), (2, 9, 11), (2, 14, 16), (19, 20, 28), (7, 25, 32), (9, 22, 31), (4, 11, 15), (5, 16, 21), (5, 20, 25), (6, 18, 24), (6, 23, 29), (3, 7, 10), (10, 18, 28), (17, 21, 29), (3, 27, 30), (8, 26, 33), (15, 19, 33), (8, 22, 30), (12, 23, 32), (17, 24, 26), (4, 27, 31).
 \mathcal{B}_8 : (1, 14, 15), (1, 15, 16), (2, 11, 13), (3, 21, 24), (20, 22, 25), (3, 14, 17), (7, 12, 19), (7, 27, 33), (11, 18, 29), (16, 23, 28), (5, 22, 27), (8, 18, 26), (10, 19, 29), (6, 26, 32), (6, 24, 30), (12, 25, 30), (2, 31, 33), (4, 13, 17), (9, 23, 32), (10, 21, 31), (4, 5, 9), (8, 20, 28).
 \mathcal{B}_9 : (1, 16, 17), (1, 17, 18), (2, 18, 20), (13, 22, 32), (3, 12, 15), (3, 16, 19), (9, 24, 33), (4, 9, 13), (4, 20, 24), (7, 21, 28), (5, 10, 15), (11, 26, 30), (6, 25, 31), (8, 14, 22), (10, 23, 33), (2, 29, 31), (6, 29, 32), (11, 14, 25), (7, 23, 30), (8, 19, 27), (5, 21, 26), (12, 27, 28).
 \mathcal{B}_{10} : (1, 18, 19), (1, 19, 20), (2, 15, 17), (12, 17, 29), (3, 18, 21), (3, 22, 25), (4, 21, 25), (4, 8, 12), (5, 9, 14), (11, 24, 32), (6, 7, 13), (6, 27, 33), (7, 22, 29), (10, 16, 26), (15, 20, 32), (2, 28, 30), (9, 28, 30), (8, 23, 31), (5, 11, 16), (14, 26, 27), (10, 24, 33), (13, 23, 31).
 \mathcal{B}_{11} : (1, 20, 21), (1, 21, 22), (12, 19, 31), (3, 26, 29), (3, 17, 20), (10, 27, 30), (6, 10, 16), (5, 28, 33), (9, 14, 23), (5, 26, 31), (8, 15, 23), (13, 16, 29), (12, 18, 30), (7, 8, 15), (2, 22, 24), (9, 25, 33), (4, 7, 11), (2, 25, 27), (6, 11, 17), (4, 24, 28), (13, 19, 32), (14, 18, 32).
 \mathcal{B}_{12} : (1, 22, 23), (1, 23, 24), (2, 24, 26), (15, 22, 30), (4, 6, 10), (3, 29, 32), (8, 9, 17), (5, 27, 32), (2, 17, 19), (7, 18, 25), (6, 21, 27), (8, 11, 19), (16, 20, 31), (7, 11, 18), (14, 15, 29), (3, 31, 33), (12, 16, 28), (5, 25, 30), (13, 26, 28), (4, 10, 14), (13, 20, 33), (9, 12, 21).
 \mathcal{B}_{13} : (1, 24, 25), (14, 25, 28), (2, 20, 22), (4, 26, 30), (3, 6, 9), (5, 24, 29), (7, 16, 23), (17, 19, 31), (6, 12, 18), (15, 18, 33), (15, 23, 29), (10, 17, 27), (7, 14, 21), (1, 30, 31), (4, 22, 26), (5, 8, 13), (8, 12, 20), (11, 16, 27), (2, 32, 33), (11, 21, 32), (3, 10, 13), (9, 19, 28).
 \mathcal{B}_{14} : (1, 26, 27), (11, 17, 28), (4, 19, 23), (4, 25, 29), (2, 21, 23), (5, 30, 32), (12, 22, 33), (12, 24, 31), (3, 15, 18), (8, 13, 21), (6, 20, 26), (7, 9, 16), (9, 11, 20), (3, 5, 8), (2, 30, 32), (10, 15, 25), (6, 16, 22), (1, 27, 28), (14, 19, 33), (14, 24, 29), (7, 10, 17), (13, 18, 31).
 \mathcal{B}_{15} : (1, 29, 30), (12, 20, 32), (13, 21, 33), (2, 26, 28), (9, 17, 26), (15, 16, 31), (9, 18, 27), (6, 19, 25), (1, 28, 29), (4, 31, 32), (10, 20, 30), (2, 23, 25), (16, 24, 27), (11, 23, 33), (3, 19, 22), (5, 7, 12), (7, 15, 22), (5, 13, 18), (10, 14, 24), (4, 17, 21), (6, 8, 14), (3, 8, 11).
 \mathcal{B}_{16} : (13, 24, 30), (7, 13, 20), (2, 16, 18), (6, 22, 28), (3, 4, 7), (5, 29, 33), (8, 17, 25), (1, 25, 26), (15, 24, 28), (3, 9, 12), (1, 31, 32), (7, 19, 26), (5, 23, 28), (10, 22, 32), (5, 12, 17), (10, 26, 31), (11, 19, 30), (2, 27, 29), (9, 13, 22), (12, 21, 33), (14, 16, 30), (2, 19, 21), (8, 16, 24), (6, 15, 21), (15, 25, 27), (8, 10, 18), (4, 14, 18), (4, 23, 27), (9, 20, 29), (11, 20, 31), (6, 17, 23), (1, 32, 33), (3, 11, 14).
 \mathcal{B}_{i+15} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 16$.

(l) An LSCTS($73; 2^{34}3^1$) = $(\mathbb{Z}_{73}, \mathcal{A}_1, \dots, \mathcal{A}_{35})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 35$) is listed below:

\mathcal{B}_1 : difference triples of Type 1.
 \mathcal{B}_2 : (1, 3, 4), (11, 27, 35), (5, 6, 11), (5, 7, 12), (7, 8, 15), (8, 9, 17), (9, 10, 19), (12, 28, 33), (18, 23, 32), (1, 2, 3), (16, 24, 33), (22, 25, 26), (14, 15, 29), (18, 25, 30), (21, 22, 30), (13, 16, 29), (21, 24, 28), (2, 17, 19), (4, 34, 35), (6, 31, 36), (13, 23, 36), (14, 20, 34), (10, 31, 32), (20, 26, 27).
 \mathcal{B}_3 : (1, 4, 5), (2, 6, 8), (2, 7, 9), (15, 28, 30), (3, 8, 11), (9, 11, 20), (10, 12, 22), (16, 19, 35), (10, 13, 23),

- (1, 5, 6), (14, 29, 30), (21, 23, 29), (17, 20, 36), (14, 27, 32), (18, 22, 33), (13, 24, 36), (15, 25, 33), (3, 21, 24), (4, 27, 31), (7, 32, 34), (12, 26, 35), (17, 25, 31), (19, 26, 28), (16, 18, 34).
- \mathcal{B}_4 : (1, 7, 8), (2, 3, 5), (2, 8, 10), (13, 25, 35), (4, 5, 9), (4, 10, 14), (11, 12, 23), (11, 13, 24), (18, 26, 29), (1, 6, 7), (12, 25, 36), (19, 23, 31), (14, 22, 36), (17, 21, 35), (15, 19, 34), (15, 26, 32), (3, 30, 33), (6, 28, 34), (9, 22, 31), (16, 27, 30), (18, 27, 28), (20, 24, 29), (20, 21, 32), (16, 17, 33).
- \mathcal{B}_5 : (1, 8, 9), (1, 9, 10), (3, 16, 19), (2, 10, 12), (12, 22, 34), (3, 11, 14), (15, 27, 31), (4, 7, 11), (15, 17, 32), (6, 13, 19), (6, 14, 20), (22, 24, 27), (13, 18, 31), (16, 25, 32), (7, 21, 28), (5, 28, 33), (5, 33, 35), (2, 35, 36), (20, 23, 30), (4, 25, 29), (17, 26, 30), (18, 21, 34), (23, 24, 26), (8, 29, 36).
- \mathcal{B}_6 : (1, 10, 11), (1, 11, 12), (9, 25, 34), (2, 13, 15), (9, 28, 36), (3, 13, 16), (16, 28, 29), (19, 21, 33), (4, 14, 18), (4, 15, 19), (5, 17, 22), (5, 18, 23), (6, 17, 23), (6, 20, 26), (7, 29, 36), (8, 27, 35), (2, 24, 26), (7, 25, 32), (8, 32, 33), (10, 24, 34), (20, 22, 31), (3, 27, 30), (12, 30, 31), (14, 21, 35).
- \mathcal{B}_7 : (1, 12, 13), (1, 13, 14), (19, 22, 32), (2, 14, 16), (3, 23, 26), (3, 15, 18), (10, 25, 35), (4, 6, 10), (4, 11, 15), (5, 16, 21), (5, 19, 24), (6, 18, 24), (20, 25, 28), (9, 31, 33), (7, 20, 27), (2, 34, 36), (7, 28, 35), (8, 22, 30), (8, 31, 34), (17, 23, 33), (17, 27, 29), (12, 29, 32), (11, 26, 36), (9, 21, 30).
- \mathcal{B}_8 : (1, 14, 15), (1, 15, 16), (10, 26, 36), (2, 16, 18), (19, 24, 30), (3, 14, 17), (12, 23, 35), (4, 8, 12), (4, 18, 22), (5, 20, 25), (5, 21, 26), (6, 11, 17), (6, 19, 25), (8, 13, 21), (22, 23, 28), (13, 28, 32), (9, 20, 29), (7, 31, 35), (2, 30, 32), (7, 27, 34), (3, 31, 34), (9, 24, 33), (11, 29, 33), (10, 27, 36).
- \mathcal{B}_9 : (1, 16, 17), (1, 17, 18), (12, 20, 32), (4, 22, 26), (10, 29, 34), (8, 30, 35), (4, 9, 13), (2, 19, 21), (10, 15, 25), (5, 9, 14), (6, 8, 14), (6, 25, 31), (15, 21, 36), (2, 27, 29), (13, 27, 33), (11, 24, 35), (18, 24, 31), (3, 20, 23), (7, 26, 33), (7, 23, 30), (11, 28, 34), (5, 32, 36), (3, 19, 22), (12, 16, 28).
- \mathcal{B}_{10} : (1, 18, 19), (1, 19, 20), (14, 16, 30), (3, 12, 15), (8, 23, 31), (9, 29, 35), (3, 22, 25), (7, 17, 24), (5, 8, 13), (12, 24, 36), (4, 21, 25), (4, 23, 27), (5, 10, 15), (6, 26, 32), (6, 27, 33), (9, 26, 35), (11, 22, 33), (2, 28, 30), (2, 32, 34), (7, 10, 17), (11, 18, 29), (14, 28, 31), (16, 20, 36), (13, 21, 34).
- \mathcal{B}_{11} : (1, 20, 21), (1, 21, 22), (11, 25, 36), (2, 26, 28), (3, 17, 20), (12, 15, 27), (4, 13, 17), (7, 24, 31), (5, 11, 16), (5, 13, 18), (8, 24, 32), (6, 9, 15), (6, 23, 29), (10, 28, 35), (16, 22, 35), (3, 34, 36), (4, 30, 34), (2, 29, 31), (7, 18, 25), (8, 19, 27), (9, 23, 32), (14, 19, 33), (10, 30, 33), (12, 14, 26).
- \mathcal{B}_{12} : (1, 22, 23), (1, 23, 24), (21, 25, 27), (15, 16, 31), (3, 29, 32), (4, 12, 16), (4, 20, 24), (13, 26, 34), (5, 12, 17), (5, 14, 19), (6, 7, 13), (3, 25, 28), (7, 19, 26), (8, 10, 18), (10, 11, 21), (14, 17, 31), (2, 33, 35), (6, 29, 35), (9, 30, 34), (9, 27, 36), (8, 28, 36), (15, 18, 33), (11, 30, 32), (2, 20, 22).
- \mathcal{B}_{13} : (1, 24, 25), (1, 25, 26), (16, 23, 34), (3, 5, 8), (4, 24, 28), (10, 22, 32), (8, 12, 20), (12, 18, 30), (7, 30, 36), (6, 15, 21), (3, 32, 35), (4, 17, 21), (2, 15, 17), (10, 19, 29), (6, 33, 34), (9, 19, 28), (13, 29, 31), (2, 5, 7), (13, 22, 35), (9, 18, 27), (14, 26, 33), (11, 16, 27), (11, 20, 31), (14, 23, 36).
- \mathcal{B}_{14} : (1, 26, 27), (1, 27, 28), (6, 16, 22), (2, 9, 11), (5, 23, 28), (4, 26, 30), (8, 16, 24), (6, 24, 30), (17, 18, 35), (4, 33, 36), (11, 23, 34), (13, 19, 32), (5, 15, 20), (7, 22, 29), (10, 21, 31), (14, 25, 34), (3, 9, 12), (14, 18, 32), (17, 19, 36), (3, 7, 10), (8, 21, 29), (2, 31, 33), (15, 20, 35), (12, 13, 25).
- \mathcal{B}_{15} : (1, 28, 29), (1, 29, 30), (4, 32, 36), (5, 25, 30), (7, 14, 21), (8, 17, 25), (3, 18, 21), (6, 22, 28), (8, 11, 19), (5, 27, 32), (12, 27, 34), (4, 31, 35), (2, 18, 20), (2, 11, 13), (13, 20, 33), (15, 22, 36), (9, 17, 26), (15, 24, 34), (3, 6, 9), (7, 16, 23), (10, 16, 26), (14, 24, 35), (10, 23, 33), (12, 19, 31).
- \mathcal{B}_{16} : (1, 30, 31), (5, 26, 31), (4, 28, 32), (6, 12, 18), (4, 29, 33), (11, 14, 25), (2, 21, 23), (1, 34, 35), (7, 12, 19), (2, 22, 24), (18, 19, 36), (8, 15, 23), (8, 20, 28), (6, 10, 16), (9, 16, 25), (7, 13, 20), (3, 33, 36), (13, 14, 27), (11, 21, 32), (17, 22, 34), (3, 26, 29), (9, 15, 24), (10, 17, 27), (5, 30, 35).
- \mathcal{B}_{17} : (1, 31, 32), (11, 19, 30), (9, 14, 23), (5, 24, 29), (2, 25, 27), (10, 18, 28), (6, 21, 27), (8, 25, 33), (9, 13, 22), (3, 10, 13), (3, 4, 7), (8, 18, 26), (2, 12, 14), (17, 24, 32), (5, 29, 34), (7, 15, 22), (11, 17, 28), (15, 23, 35), (1, 35, 36), (4, 16, 20), (16, 26, 31), (12, 21, 33), (19, 20, 34), (6, 30, 36).
- \mathcal{B}_{18} : (10, 14, 24), (1, 33, 34), (2, 4, 6), (2, 23, 25), (7, 11, 18), (13, 15, 28), (8, 26, 34), (18, 20, 35), (6, 32, 35), (10, 20, 30), (3, 24, 27), (12, 17, 29), (13, 17, 30), (19, 25, 29), (5, 31, 36), (11, 15, 26), (5, 22, 27), (3, 28, 31), (9, 12, 21), (7, 9, 16), (4, 19, 23), (8, 14, 22), (16, 21, 36), (1, 32, 33).
- \mathcal{B}_{i+17} : adjoint difference triples of \mathcal{B}_i , $2 \leq i \leq 18$.
- (m) An LSCTS(79; $2^{34}3^3$) = $(\mathbb{Z}_{79}, \mathcal{A}_1, \dots, \mathcal{A}_{37})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 37$) is listed below:
 \mathcal{B}_1 : difference triples of Type 1.
 \mathcal{B}_2 : (1, 2, 3), (1, 3, 4), (22, 26, 31), (5, 6, 11), (5, 7, 12), (8, 33, 38), (8, 9, 17), (9, 10, 19), (10, 11, 21), (12, 13, 25), (13, 14, 27), (14, 15, 29), (16, 17, 33), (24, 26, 29), (18, 20, 38), (20, 27, 32), (6, 28, 34), (18, 30, 31), (23, 24, 32), (2, 37, 39), (4, 30, 34), (7, 35, 37), (15, 28, 36), (16, 23, 39), (19, 25, 35), (21, 22, 36).
 \mathcal{B}_3 : (1, 4, 5), (1, 5, 6), (2, 6, 8), (2, 7, 9), (18, 23, 38), (13, 32, 34), (21, 28, 30), (3, 4, 7), (3, 8, 11), (23, 25, 31), (20, 28, 31), (24, 25, 30), (19, 21, 39), (9, 11, 20), (10, 12, 22), (10, 14, 24), (12, 33, 34), (15, 26, 38), (16, 26, 37), (15, 29, 35), (17, 19, 36), (16, 27, 36), (13, 29, 37), (17, 27, 35), (18, 22, 39), (14, 32, 33).
 \mathcal{B}_4 : (1, 6, 7), (1, 7, 8), (16, 19, 35), (2, 8, 10), (3, 6, 9), (16, 31, 32), (4, 10, 14), (24, 27, 28), (23, 26, 30), (11, 13, 24), (12, 14, 26), (13, 15, 28), (20, 25, 34), (15, 19, 34), (18, 29, 32), (17, 20, 37), (17, 22, 39), (4, 37, 38), (11, 12, 23), (3, 33, 36), (21, 25, 33), (18, 21, 39), (5, 30, 35), (5, 36, 38), (9, 22, 31), (2, 27, 29).
 \mathcal{B}_5 : (1, 8, 9), (1, 9, 10), (2, 5, 7), (2, 10, 12), (3, 37, 39), (3, 30, 33), (19, 22, 38), (16, 22, 38), (18, 27, 34), (4, 7, 11), (4, 11, 15), (19, 29, 31), (15, 27, 37), (18, 25, 36), (6, 14, 20), (6, 17, 23), (12, 21, 33), (13, 17, 30), (25, 26, 28), (5, 24, 29), (8, 32, 39), (14, 31, 34), (16, 28, 35), (20, 24, 35), (13, 23, 36), (21, 26, 32).
 \mathcal{B}_6 : (1, 10, 11), (1, 11, 12), (5, 29, 34), (2, 13, 15), (3, 7, 10), (9, 28, 37), (4, 14, 18), (4, 15, 19), (16, 21, 37), (6, 18, 24), (6, 19, 25), (7, 17, 24), (22, 23, 34), (8, 23, 31), (21, 27, 31), (5, 17, 22), (12, 27, 39), (9, 32, 38), (13, 30, 36), (2, 33, 35), (3, 32, 35), (8, 28, 36), (14, 26, 39), (20, 26, 33), (16, 25, 38), (20, 29, 30).
 \mathcal{B}_7 : (1, 12, 13), (1, 13, 14), (10, 32, 37), (2, 14, 16), (3, 9, 12), (3, 15, 18), (21, 23, 35), (4, 16, 20), (11, 25, 36), (5, 18, 23), (6, 11, 17), (7, 19, 26), (7, 20, 27), (8, 21, 29), (19, 26, 34), (22, 28, 29), (4, 27, 31), (5, 25, 30), (6, 35, 38), (8, 31, 39), (2, 34, 36), (22, 24, 33), (9, 33, 37), (17, 30, 32), (10, 28, 38), (15, 24, 39).
 \mathcal{B}_8 : (1, 14, 15), (1, 15, 16), (13, 21, 34), (2, 16, 18), (14, 28, 37), (3, 10, 13), (3, 17, 20), (4, 8, 12), (17, 24, 38), (5, 19, 24), (5, 20, 25), (6, 12, 18), (6, 21, 27), (7, 22, 29), (7, 23, 30), (8, 34, 37), (11, 30, 38), (4, 36, 39), (2, 31, 33), (9, 26, 35), (22, 25, 32), (10, 26, 36), (9, 31, 39), (11, 33, 35), (23, 27, 29), (19, 28, 32).
 \mathcal{B}_9 : (1, 16, 17), (1, 17, 18), (19, 24, 36), (2, 19, 21), (3, 11, 14), (3, 12, 15), (13, 27, 39), (14, 23, 37), (10, 27, 37), (4, 12, 16), (5, 15, 20), (5, 21, 26), (6, 22, 28), (6, 23, 29), (7, 24, 31), (7, 25, 32), (8, 35, 36), (8, 35, 36), (2, 32, 34), (4, 31, 35), (8, 26, 34), (13, 25, 38), (9, 30, 39), (18, 28, 33), (11, 22, 33), (10, 20, 30), (9, 29, 38).
 \mathcal{B}_{10} : (1, 18, 19), (1, 19, 20), (12, 28, 39), (5, 28, 33), (3, 14, 17), (21, 24, 34), (15, 17, 32), (4, 22, 26), (2, 21, 23), (5, 9, 14), (6, 7, 13), (3, 34, 37), (7, 16, 23), (8, 24, 32), (8, 30, 38), (11, 16, 27), (9, 27, 36), (15, 18, 33), (2, 29, 31), (4, 25, 29), (10, 25, 35), (6, 36, 37), (10, 30, 39), (11, 20, 31), (13, 22, 35), (12, 26, 38).
 \mathcal{B}_{11} : (1, 20, 21), (1, 21, 22), (12, 25, 37), (15, 16, 31), (3, 16, 19), (10, 34, 35), (4, 13, 17), (4, 23, 27), (11, 29, 39), (5, 13, 18), (6, 8, 14), (17, 26, 36), (7, 11, 18), (7, 26, 33), (9, 15, 24), (10, 19, 29), (9, 23, 32), (2, 36, 38), (3, 28, 31), (5, 34, 39), (8, 25, 33), (12, 32, 35), (14, 27, 38), (6, 24, 30), (2, 28, 30), (20, 22, 37).

- \mathcal{B}_{12} : (1, 22, 23), (1, 23, 24), (12, 31, 36), (8, 20, 28), (3, 19, 22), (5, 35, 39), (4, 29, 33), (4, 32, 36), (16, 30, 33), (5, 14, 19), (11, 21, 32), (6, 9, 15), (6, 15, 21), (7, 9, 16), (7, 27, 34), (8, 18, 26), (12, 17, 29), (2, 18, 20), (3, 27, 30), (2, 35, 37), (10, 24, 34), (11, 14, 25), (10, 31, 38), (13, 26, 39), (17, 25, 37), (13, 28, 38).
- \mathcal{B}_{13} : (1, 24, 25), (1, 25, 26), (7, 10, 17), (14, 17, 31), (3, 23, 26), (14, 16, 30), (4, 19, 23), (12, 22, 34), (20, 21, 38), (4, 5, 9), (6, 27, 33), (3, 35, 38), (8, 29, 37), (8, 10, 18), (2, 20, 22), (15, 21, 36), (15, 30, 34), (6, 33, 39), (7, 29, 36), (11, 28, 39), (13, 31, 35), (18, 24, 37), (5, 27, 32), (13, 19, 32), (12, 16, 28), (2, 9, 11).
- \mathcal{B}_{14} : (1, 26, 27), (1, 27, 28), (2, 23, 25), (3, 26, 29), (3, 29, 32), (4, 20, 24), (4, 24, 28), (15, 20, 35), (6, 16, 22), (10, 22, 32), (7, 12, 19), (7, 14, 21), (17, 18, 35), (11, 31, 37), (8, 17, 25), (9, 21, 30), (2, 38, 39), (9, 34, 36), (10, 33, 36), (13, 18, 31), (12, 30, 37), (5, 8, 13), (14, 19, 33), (15, 23, 38), (6, 34, 39), (5, 11, 16).
- \mathcal{B}_{15} : (1, 28, 29), (16, 20, 36), (18, 19, 37), (2, 25, 27), (4, 26, 30), (4, 28, 32), (5, 26, 31), (14, 20, 34), (6, 31, 37), (6, 10, 16), (10, 29, 39), (7, 33, 39), (14, 18, 32), (3, 21, 24), (9, 24, 33), (5, 12, 17), (1, 35, 36), (7, 34, 38), (12, 23, 35), (11, 19, 30), (8, 13, 21), (3, 22, 25), (11, 27, 38), (2, 15, 17), (9, 13, 22), (8, 15, 23).
- \mathcal{B}_{16} : (1, 30, 31), (22, 27, 30), (2, 3, 5), (16, 18, 34), (17, 23, 39), (10, 18, 28), (4, 21, 25), (14, 24, 38), (11, 15, 26), (8, 14, 22), (9, 17, 26), (5, 33, 38), (9, 12, 21), (13, 24, 37), (3, 31, 34), (2, 4, 6), (7, 28, 35), (1, 36, 37), (7, 32, 39), (20, 23, 36), (6, 29, 35), (10, 15, 25), (8, 11, 19), (13, 16, 29), (19, 27, 33), (12, 20, 32).
- \mathcal{B}_{17} : (1, 32, 33), (7, 30, 37), (1, 34, 35), (6, 30, 36), (6, 20, 26), (3, 24, 27), (11, 23, 34), (8, 27, 35), (5, 32, 37), (7, 31, 38), (2, 17, 19), (2, 22, 24), (9, 19, 28), (10, 13, 23), (8, 12, 20), (3, 18, 21), (11, 17, 28), (4, 18, 22), (15, 31, 33), (4, 9, 13), (15, 25, 39), (10, 16, 26), (14, 25, 39), (5, 16, 21), (12, 29, 38), (14, 29, 36).
- \mathcal{B}_{18} : (2, 11, 13), (12, 15, 27), (2, 24, 26), (8, 22, 30), (9, 20, 29), (4, 17, 21), (19, 23, 37), (16, 24, 39), (3, 5, 8), (9, 14, 23), (3, 25, 28), (11, 32, 36), (4, 6, 10), (18, 26, 35), (14, 30, 35), (12, 19, 31), (6, 32, 38), (15, 22, 37), (7, 21, 28), (13, 20, 33), (10, 17, 27), (5, 31, 36), (7, 18, 25), (16, 29, 34), (1, 33, 34), (1, 38, 39).
- \mathcal{B}_{19} : (9, 25, 34), (5, 23, 28), (3, 36, 39), (2, 26, 28), (5, 22, 27), (11, 18, 29), (9, 18, 27), (8, 19, 27), (1, 37, 38), (3, 20, 23), (19, 20, 39), (7, 8, 15), (6, 13, 19), (3, 13, 16), (17, 29, 33), (5, 10, 15), (7, 13, 20), (1, 31, 32), (4, 33, 37), (11, 26, 37), (10, 23, 33), (12, 18, 30), (1, 29, 30), (14, 21, 35), (10, 21, 31), (14, 22, 36), (12, 24, 36), (17, 21, 38), (9, 16, 25), (17, 28, 34), (2, 30, 32), (4, 34, 38), (7, 15, 22), (4, 35, 39), (8, 16, 24), (6, 25, 31), (6, 26, 32), (2, 12, 14), (11, 24, 35).
- \mathcal{B}_{i+18} : adjointed difference triples of \mathcal{B}_i , $2 \leq i \leq 19$.
- (n) An LSCTS($85; 2^{40}3^1$) = $(\mathbb{Z}_{85}, \mathcal{A}_1, \dots, \mathcal{A}_{41})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 41$) is listed below:
- \mathcal{B}_1 : difference triples of Type 1.
- \mathcal{B}_2 : (1, 2, 3), (1, 3, 4), (22, 23, 40), (7, 8, 15), (5, 7, 12), (22, 24, 39), (8, 9, 17), (4, 33, 37), (5, 36, 41), (6, 36, 42), (9, 10, 19), (10, 11, 21), (12, 13, 25), (13, 14, 27), (14, 15, 29), (11, 31, 42), (16, 18, 34), (6, 39, 40), (16, 34, 35), (18, 19, 37), (20, 21, 41), (20, 27, 38), (23, 24, 38), (26, 29, 30), (26, 28, 31), (2, 30, 32), (17, 33, 35), (17, 32, 32).
- \mathcal{B}_3 : (1, 4, 5), (1, 5, 6), (13, 28, 41), (2, 7, 9), (3, 4, 7), (24, 27, 34), (9, 11, 20), (14, 34, 37), (3, 37, 40), (6, 30, 36), (10, 12, 22), (25, 29, 31), (16, 17, 33), (12, 14, 26), (8, 23, 31), (8, 27, 35), (13, 15, 28), (16, 26, 42), (15, 17, 32), (18, 20, 38), (18, 21, 39), (19, 22, 41), (21, 25, 39), (24, 29, 32), (2, 33, 35), (10, 30, 40), (11, 36, 38), (23, 28, 42).
- \mathcal{B}_4 : (1, 6, 7), (1, 7, 8), (2, 3, 5), (26, 27, 32), (3, 6, 9), (9, 31, 40), (4, 10, 14), (4, 39, 42), (5, 32, 37), (8, 33, 41), (11, 12, 23), (11, 13, 24), (12, 15, 27), (13, 16, 29), (14, 25, 39), (17, 30, 38), (19, 31, 35), (10, 20, 30), (15, 18, 33), (16, 19, 35), (17, 20, 37), (18, 22, 40), (21, 26, 38), (22, 29, 34), (24, 25, 36), (2, 41, 42), (21, 28, 36), (23, 28, 34).
- \mathcal{B}_5 : (1, 8, 9), (1, 9, 10), (2, 10, 12), (27, 28, 30), (3, 5, 8), (25, 26, 34), (3, 39, 42), (5, 24, 29), (6, 19, 25), (4, 7, 11), (4, 12, 16), (13, 17, 30), (6, 14, 20), (17, 32, 36), (21, 23, 41), (7, 38, 40), (11, 33, 41), (14, 28, 42), (15, 16, 31), (15, 19, 34), (23, 27, 35), (18, 29, 38), (18, 31, 36), (20, 32, 33), (21, 24, 40), (2, 37, 39), (13, 22, 35), (22, 26, 37).
- \mathcal{B}_6 : (1, 10, 11), (1, 11, 12), (22, 27, 36), (16, 28, 41), (3, 7, 10), (2, 39, 41), (5, 33, 38), (8, 37, 40), (3, 13, 16), (4, 14, 18), (4, 15, 19), (24, 30, 31), (5, 17, 22), (6, 17, 23), (13, 23, 36), (20, 25, 40), (6, 18, 24), (7, 19, 26), (8, 20, 28), (25, 27, 33), (9, 26, 35), (9, 37, 39), (12, 31, 42), (14, 29, 42), (21, 29, 35), (21, 30, 34), (15, 32, 38), (2, 32, 34).
- \mathcal{B}_7 : (1, 12, 13), (1, 13, 14), (21, 31, 33), (3, 9, 12), (11, 27, 38), (4, 11, 15), (4, 36, 40), (5, 23, 28), (19, 29, 37), (7, 34, 41), (6, 30, 39), (14, 18, 32), (5, 19, 24), (6, 10, 16), (9, 23, 32), (10, 35, 40), (7, 17, 24), (20, 22, 42), (8, 1725), (8, 26, 34), (18, 25, 42), (22, 30, 33), (2, 26, 28), (2, 35, 37), (3, 38, 41), (6, 21, 27), (15, 31, 39), (20, 29, 36).
- \mathcal{B}_8 : (1, 14, 15), (1, 15, 16), (2, 11, 13), (22, 31, 32), (3, 10, 13), (4, 38, 42), (6, 24, 30), (8, 34, 42), (9, 29, 38), (5, 20, 25), (4, 17, 21), (17, 28, 40), (5, 21, 26), (6, 12, 18), (14, 23, 37), (16, 33, 36), (24, 28, 33), (7, 22, 29), (7, 23, 30), (8, 11, 19), (19, 27, 39), (9, 35, 41), (10, 31, 41), (12, 25, 37), (2, 34, 36), (3, 32, 35), (20, 26, 39), (18, 27, 40).
- \mathcal{B}_9 : (1, 16, 17), (13, 27, 40), (2, 18, 20), (9, 28, 37), (3, 12, 15), (13, 31, 41), (8, 30, 38), (10, 23, 33), (11, 19, 30), (4, 20, 24), (18, 33, 34), (5, 9, 14), (6, 8, 14), (23, 26, 36), (4, 37, 41), (7, 24, 31), (7, 25, 32), (2, 19, 21), (6, 22, 28), (10, 22, 32), (17, 29, 39), (11, 35, 39), (12, 35, 38), (1, 25, 26), (3, 40, 42), (5, 29, 34), (16, 27, 42), (15, 21, 36).
- \mathcal{B}_{10} : (1, 18, 19), (1, 19, 20), (2, 15, 17), (2, 20, 22), (3, 18, 21), (17, 27, 41), (14, 35, 36), (3, 34, 37), (4, 28, 32), (7, 33, 40), (4, 22, 26), (21, 27, 37), (5, 10, 15), (5, 11, 16), (9, 30, 39), (10, 32, 42), (13, 25, 38), (6, 23, 29), (6, 25, 31), (7, 9, 16), (12, 33, 40), (8, 28, 36), (8, 31, 39), (12, 29, 41), (13, 30, 42), (24, 26, 35), (11, 23, 34), (14, 24, 38).
- \mathcal{B}_{11} : (1, 20, 21), (1, 21, 22), (2, 17, 19), (13, 26, 39), (3, 17, 20), (19, 32, 34), (23, 29, 33), (4, 31, 35), (5, 18, 23), (6, 3541), (4, 24, 28), (15, 27, 42), (5, 25, 30), (6, 7, 13), (10, 37, 38), (11, 15, 26), (9, 22, 31), (7, 11, 18), (8, 2937), (8, 32, 40), (12, 24, 36), (10, 28, 38), (14, 27, 41), (14, 16, 30), (2, 40, 42), (3, 33, 36), (12, 34, 39), (9, 16, 25).
- \mathcal{B}_{12} : (1, 22, 23), (20, 30, 35), (2, 24, 26), (16, 29, 40), (3, 1922), (6, 9, 15), (4, 27, 31), (5, 27, 32), (11, 28, 39), (15, 29, 41), (4, 26, 30), (10, 33, 42), (5, 14, 19), (6, 11, 17), (12, 28, 40), (12, 32, 41), (17, 31, 37), (7, 13, 20), (7, 14, 21), (8, 10, 18), (18, 24, 42), (9, 25, 34), (13, 21, 34), (1, 36, 37), (2, 36, 38), (3, 35, 38), (16, 23, 39), (8, 15, 33).
- \mathcal{B}_{13} : (1, 24, 25), (1, 26, 27), (2, 21, 23), (3, 23, 26), (3, 24, 27), (17, 19, 36), (2, 14, 16), (5, 31, 36), (5, 37, 42), (11, 20, 31), (4, 29, 33), (14, 30, 41), (18, 32, 35), (6, 16, 22), (11, 34, 40), (15, 25, 40), (15, 33, 37), (7, 10, 17), (7, 12, 19), (13, 29, 42), (8, 38, 39), (9, 21, 30), (9, 32, 41), (18, 28, 39), (4, 6, 10), (13, 34, 38), (8, 12, 20), (22, 28, 35).
- \mathcal{B}_{14} : (1, 27, 28), (1, 28, 29), (2, 27, 29), (2, 31, 33), (15, 26, 41), (3, 22, 25), (5, 13, 18), (10, 14, 24), (14, 17, 31), (3, 8, 11), (4, 30, 34), (19, 21, 40), (18, 30, 37), (6, 26, 32), (19, 20, 39), (12, 23, 35), (16, 25, 41), (7, 15, 22), (7, 16, 23), (5, 8, 13), (9, 33, 42), (11, 24, 35), (12, 20, 32), (4, 34, 38), (6, 37, 42), (9, 36, 40), (17, 21, 38), (10, 36, 39).
- \mathcal{B}_{15} : (1, 29, 30), (1, 30, 31), (2, 29, 31), (2, 38, 40), (7, 18, 25), (4, 23, 27), (9, 17, 26), (15, 20, 35), (8, 16, 24), (13, 19, 32), (5, 22, 27), (12, 36, 37), (10, 18, 28), (6, 38, 41), (3, 11, 14), (12, 21, 33), (5, 34, 39), (11, 21, 32), (3, 25, 28), (14, 2034), (8, 36, 41), (10, 16, 26), (4, 9, 13), (15, 22, 37), (6, 33, 39), (7, 35, 42), (19, 24, 42), (17, 23, 40).
- \mathcal{B}_{16} : (1, 31, 32), (1, 32, 33), (2, 28, 30), (6, 34, 40), (3, 28, 31), (4, 25, 29), (4, 35, 39), (13, 24, 37), (14, 21, 35), (6, 13, 19), (7, 20, 27), (5, 38, 42), (17, 25, 42), (7, 29, 36), (18, 23, 41), (11, 30, 41), (12, 26, 38), (11, 22, 33), (16, 24, 40), (9, 14, 23), (8, 18, 26), (5, 15, 20), (17, 22, 39), (10, 27, 37), (2, 8, 10), (3, 16, 19), (9, 12, 21), (15, 34, 36).
- \mathcal{B}_{17} : (1, 33, 34), (2, 9, 11), (8, 24, 32), (10, 15, 25), (4, 40, 41), (6, 29, 35), (17, 26, 42), (1, 39, 40), (20, 23, 42), (13, 20, 33), (7, 30, 37), (7, 31, 38), (14, 22, 36), (4, 18, 22), (8, 15, 23), (5, 26, 31), (12, 27, 39), (9, 19, 28), (3, 21, 24), (5, 16, 21), (19, 30, 36), (11, 18, 29), (6, 32, 38), (2, 25, 27), (13, 35, 37), (10, 34, 41), (12, 16, 28), (3, 14, 17).
- \mathcal{B}_{18} : (1, 35, 36), (6, 28, 34), (1, 37, 38), (19, 26, 40), (21, 22, 42), (8, 22, 30), (15, 30, 40), (11, 17, 28), (4, 8, 12), (3, 20, 23), (5, 39, 41), (9, 20, 29), (18, 26, 41), (2, 23, 25), (14, 33, 38), (10, 25, 35), (9, 15, 24), (13, 18, 31), (14, 32, 39), (4, 13, 17), (16, 21, 37), (7, 36, 42), (10, 24, 34), (6, 27, 33), (11, 16, 27), (3, 29, 32), (12, 19, 31), (2, 5, 7).
- \mathcal{B}_{19} : (1, 38, 39), (11, 32, 42), (14, 31, 40), (4, 19, 23), (9, 27, 36), (2, 6, 8), (9, 24, 33), (16, 22, 38), (2, 16, 18), (10, 13, 23),

- (3, 26, 29), (20, 28, 37), (6, 20, 26), (8, 13, 21), (15, 24, 39), (19, 25, 41), (11, 14, 25), (5, 30, 35), (7, 37, 41),
 (12, 22, 34), (3, 30, 33), (1, 17, 18), (12, 17, 29), (5, 35, 40), (4, 32, 36), (7, 27, 34), (15, 28, 42), (10, 21, 31).
 \mathcal{B}_{20} : (6, 31, 37), (5, 12, 17), (4, 16, 20), (17, 18, 35), (8, 19, 27), (8, 14, 22), (9, 34, 42), (2, 22, 24), (7, 21, 28), (11, 29, 40),
 (1, 34, 35), (3, 15, 18), (13, 32, 40), (19, 28, 38), (23, 30, 32), (11, 25, 36), (1, 41, 42), (20, 24, 41), (6, 15, 21),
 (3, 27, 30), (23, 25, 37), (13, 33, 39), (7, 26, 33), (16, 31, 38), (4, 5, 9), (2, 12, 14), (10, 26, 36), (10, 29, 39).
 \mathcal{B}_{21} : (16, 32, 37), (11, 26, 37), (4, 21, 25), (14, 19, 33), (12, 18, 30), (10, 17, 27), (17, 24, 41), (7, 32, 39), (9, 18, 27),
 (2, 13, 15), (9, 13, 22), (3, 31, 34), (7, 28, 35), (8, 35, 42), (1, 23, 24), (2, 4, 6), (8, 21, 29), (5, 6, 11), (10, 19, 29),
 (20, 31, 34), (22, 25, 38), (3, 36, 39), (12, 30, 42), (16, 20, 36), (1, 40, 41), (14, 26, 40), (15, 23, 38), (5, 28, 33).
 \mathcal{B}_{i+20} : adjointed difference triples of \mathcal{B}_i , $2 \leq i \leq 21$.

(o) An LSCTS(91; $17^6 2^2 3^3$) = $(\mathbb{Z}_{91}, \mathcal{A}_1, \dots, \mathcal{A}_{81})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 81$) is listed below:

- \mathcal{B}_1 : difference triples of Type 1.
 \mathcal{B}_2 : (1, 2, 3), (4, 5, 9), (6, 7, 13), (8, 10, 18), (24, 30, 37), (14, 15, 29), (16, 22, 38), (17, 33, 41),
 (28, 31, 32), (11, 34, 45), (12, 39, 40), (19, 25, 44), (20, 35, 36), (21, 27, 43), (23, 26, 42).
 \mathcal{B}_3 : (1, 3, 4), (2, 5, 7), (6, 8, 14), (9, 10, 19), (22, 25, 44), (12, 15, 27), (18, 34, 39), (17, 24, 41),
 (11, 31, 42), (13, 32, 45), (16, 35, 40), (21, 33, 37), (23, 30, 38), (20, 28, 43), (26, 29, 36).
 \mathcal{B}_4 : (1, 4, 5), (2, 6, 8), (3, 7, 10), (9, 11, 20), (17, 22, 39), (23, 28, 40), (18, 24, 42), (15, 35, 41),
 (16, 32, 43), (12, 19, 31), (13, 33, 45), (14, 30, 44), (25, 29, 37), (26, 27, 38), (21, 34, 36).
 \mathcal{B}_5 : (1, 5, 6), (2, 7, 9), (3, 8, 11), (4, 10, 14), (20, 24, 44), (13, 17, 30), (22, 32, 37), (15, 36, 40),
 (23, 27, 41), (12, 31, 43), (18, 35, 38), (16, 26, 42), (19, 33, 39), (21, 25, 45), (28, 29, 34).
 \mathcal{B}_6 : (1, 6, 7), (2, 3, 5), (4, 8, 12), (9, 13, 22), (24, 27, 40), (14, 17, 31), (23, 29, 39), (16, 30, 45),
 (19, 35, 37), (25, 32, 34), (10, 33, 43), (11, 36, 44), (18, 20, 38), (21, 28, 42), (15, 26, 41).
 \mathcal{B}_7 : (1, 7, 8), (2, 4, 6), (3, 9, 12), (5, 10, 15), (22, 26, 43), (13, 18, 31), (16, 24, 40), (27, 29, 35),
 (19, 23, 42), (11, 39, 41), (14, 33, 44), (25, 30, 36), (20, 34, 37), (21, 32, 38), (17, 28, 45).
 \mathcal{B}_8 : (1, 8, 9), (2, 10, 12), (3, 4, 7), (5, 6, 11), (20, 25, 45), (15, 16, 31), (24, 33, 34), (18, 22, 40),
 (19, 29, 43), (21, 23, 44), (13, 37, 41), (14, 38, 39), (27, 28, 36), (17, 32, 42), (26, 30, 35).
 \mathcal{B}_9 : (1, 9, 10), (24, 25, 42), (3, 5, 8), (4, 12, 16), (21, 31, 39), (7, 15, 22), (18, 26, 44), (2, 27, 29),
 (6, 28, 34), (11, 37, 43), (13, 38, 40), (14, 32, 45), (17, 19, 36), (23, 33, 35), (20, 30, 41).
 \mathcal{B}_{10} : (1, 10, 11), (2, 12, 14), (3, 6, 9), (4, 13, 17), (21, 29, 41), (7, 16, 23), (8, 26, 34), (15, 37, 39),
 (18, 30, 43), (5, 42, 44), (22, 33, 36), (25, 28, 38), (19, 27, 45), (20, 31, 40), (24, 32, 35).
 \mathcal{B}_{11} : (1, 11, 12), (2, 8, 10), (3, 13, 16), (4, 14, 18), (7, 35, 42), (6, 15, 21), (23, 32, 36), (9, 28, 37),
 (22, 29, 40), (20, 33, 38), (5, 41, 45), (26, 31, 34), (19, 24, 43), (17, 30, 44), (25, 27, 39).
 \mathcal{B}_{12} : (1, 12, 13), (25, 26, 40), (3, 14, 17), (4, 6, 10), (18, 32, 41), (7, 8, 15), (22, 23, 45), (2, 33, 35),
 (5, 31, 36), (9, 34, 43), (11, 28, 39), (16, 21, 37), (24, 29, 38), (19, 30, 42), (20, 27, 44).
 \mathcal{B}_{13} : (1, 13, 14), (12, 29, 41), (3, 16, 19), (4, 7, 11), (22, 31, 38), (6, 20, 26), (8, 27, 35), (2, 21, 23),
 (5, 40, 45), (28, 30, 33), (9, 39, 43), (10, 24, 34), (15, 32, 44), (17, 25, 42), (18, 36, 37).
 \mathcal{B}_{14} : (1, 14, 15), (2, 16, 18), (3, 10, 13), (4, 17, 21), (7, 36, 43), (6, 22, 28), (23, 31, 37), (8, 39, 44),
 (9, 25, 34), (5, 30, 35), (20, 29, 42), (24, 26, 41), (12, 33, 45), (19, 32, 40), (11, 27, 38).
 \mathcal{B}_{15} : (1, 15, 16), (7, 24, 31), (20, 21, 41), (4, 9, 13), (12, 28, 40), (6, 17, 23), (8, 36, 44), (18, 19, 37),
 (2, 25, 27), (3, 26, 29), (5, 33, 38), (10, 32, 42), (22, 30, 39), (14, 34, 43), (11, 35, 45).
 \mathcal{B}_{16} : (1, 16, 17), (10, 40, 41), (26, 32, 33), (4, 19, 23), (12, 35, 44), (6, 24, 30), (18, 25, 43), (9, 37, 45),
 (14, 22, 36), (3, 28, 31), (5, 34, 39), (7, 20, 27), (11, 38, 42), (8, 21, 29), (2, 13, 15).
 \mathcal{B}_{17} : (1, 17, 18), (11, 29, 40), (2, 14, 16), (4, 20, 24), (12, 36, 43), (6, 19, 25), (7, 39, 45), (8, 13, 21),
 (3, 32, 35), (5, 26, 31), (22, 28, 41), (27, 30, 34), (10, 37, 44), (9, 33, 42), (15, 23, 38).
 \mathcal{B}_{18} : (1, 18, 19), (17, 21, 38), (8, 37, 45), (4, 11, 15), (14, 35, 42), (6, 16, 22), (7, 40, 44), (10, 26, 36),
 (24, 28, 39), (2, 31, 33), (3, 27, 30), (5, 29, 34), (20, 23, 43), (9, 32, 41), (12, 13, 25).
 \mathcal{B}_{19} : (1, 19, 20), (2, 22, 24), (13, 27, 40), (4, 21, 25), (15, 30, 45), (6, 23, 29), (7, 26, 33), (8, 28, 36),
 (9, 35, 44), (12, 38, 41), (3, 34, 37), (5, 11, 16), (17, 31, 43), (10, 39, 42), (14, 18, 32).
 \mathcal{B}_{20} : (1, 20, 21), (29, 30, 32), (16, 31, 44), (4, 24, 28), (18, 23, 41), (6, 9, 15), (22, 34, 35), (12, 14, 26),
 (7, 33, 40), (2, 43, 45), (3, 36, 39), (5, 37, 42), (8, 11, 19), (10, 17, 27), (13, 25, 38).
 \mathcal{B}_{21} : (1, 21, 22), (14, 16, 30), (8, 34, 42), (4, 15, 19), (5, 12, 17), (20, 32, 39), (25, 31, 35), (2, 26, 28),
 (3, 40, 43), (6, 41, 44), (7, 38, 45), (10, 23, 33), (13, 24, 37), (9, 27, 36), (11, 18, 29).
 \mathcal{B}_{22} : (1, 22, 23), (13, 14, 27), (18, 33, 40), (4, 25, 29), (12, 34, 45), (6, 10, 16), (7, 37, 44), (19, 31, 41),
 (2, 30, 32), (3, 39, 42), (5, 38, 43), (9, 17, 26), (11, 24, 35), (15, 21, 36), (8, 20, 28).
 \mathcal{B}_{23} : (1, 23, 24), (10, 11, 21), (14, 29, 43), (8, 33, 41), (6, 26, 32), (5, 17, 22), (9, 18, 27), (2, 34, 36),
 (3, 35, 38), (4, 42, 45), (7, 30, 37), (19, 20, 39), (13, 31, 44), (15, 25, 40), (12, 16, 28).
 \mathcal{B}_{24} : (1, 24, 25), (2, 29, 31), (3, 20, 23), (4, 18, 22), (8, 19, 27), (15, 34, 42), (6, 32, 38), (9, 21, 30),
 (11, 33, 44), (14, 37, 40), (5, 7, 12), (16, 36, 39), (17, 26, 43), (10, 35, 45), (13, 28, 41).
 \mathcal{B}_{25} : (1, 25, 26), (2, 32, 34), (3, 24, 27), (4, 29, 33), (9, 40, 42), (13, 35, 43), (6, 39, 45), (8, 12, 20),
 (5, 18, 23), (10, 31, 41), (11, 19, 30), (17, 36, 38), (15, 22, 37), (16, 28, 44), (7, 14, 21).
 \mathcal{B}_{26} : (1, 26, 27), (5, 8, 13), (3, 25, 28), (14, 21, 35), (6, 11, 17), (16, 33, 42), (2, 37, 39), (9, 20, 29),
 (15, 31, 45), (23, 24, 44), (19, 34, 38), (7, 41, 43), (10, 22, 32), (12, 18, 30), (4, 36, 40).
 \mathcal{B}_{27} : (1, 27, 28), (17, 20, 37), (3, 29, 32), (10, 25, 35), (9, 38, 44), (6, 36, 42), (14, 31, 45), (4, 22, 26),
 (2, 39, 41), (7, 12, 19), (8, 16, 24), (11, 23, 34), (15, 33, 43), (5, 13, 18), (21, 30, 40).
 \mathcal{B}_{28} : (1, 28, 29), (5, 9, 14), (3, 30, 33), (18, 21, 39), (23, 25, 43), (8, 32, 40), (12, 22, 34), (6, 38, 44),
 (24, 31, 36), (4, 37, 41), (20, 26, 45), (16, 19, 35), (15, 27, 42), (7, 10, 17), (2, 11, 13).
 \mathcal{B}_{29} : (1, 29, 30), (6, 14, 20), (3, 31, 34), (4, 28, 32), (10, 38, 43), (21, 26, 44), (2, 17, 19), (13, 23, 36),
 (7, 9, 16), (5, 35, 40), (18, 27, 45), (11, 22, 33), (12, 25, 37), (15, 24, 39), (8, 41, 42).
 \mathcal{B}_{30} : (1, 30, 31), (12, 23, 35), (3, 33, 36), (5, 20, 25), (15, 17, 32), (8, 38, 45), (13, 26, 39), (7, 22, 29),
 (10, 27, 37), (16, 34, 41), (14, 28, 42), (2, 9, 11), (4, 43, 44), (6, 18, 24), (19, 21, 40).
 \mathcal{B}_{31} : (1, 31, 32), (2, 41, 43), (3, 37, 40), (8, 15, 23), (13, 20, 33), (6, 21, 27), (11, 14, 25), (9, 19, 28),
 (12, 30, 42), (22, 24, 45), (5, 39, 44), (17, 18, 35), (7, 29, 36), (10, 16, 26), (4, 34, 38).
 \mathcal{B}_{32} : (1, 32, 33), (7, 19, 26), (3, 38, 41), (16, 18, 34), (2, 42, 44), (10, 20, 30), (21, 22, 43), (14, 23, 37),
 (8, 9, 17), (6, 40, 45), (11, 25, 36), (12, 27, 39), (13, 15, 28), (4, 31, 35), (5, 24, 29).
 \mathcal{B}_{33} : (1, 33, 34), (2, 23, 25), (7, 11, 18), (15, 28, 43), (16, 37, 38), (4, 40, 44), (6, 35, 41), (8, 14, 22),
 (13, 29, 42), (19, 26, 45), (9, 30, 39), (5, 27, 32), (10, 21, 31), (12, 24, 36), (3, 17, 20).
 \mathcal{B}_{34} : (1, 34, 35), (3, 18, 21), (2, 36, 38), (9, 14, 23), (19, 22, 41), (12, 37, 42), (7, 13, 20), (17, 27, 44),
 (8, 24, 32), (4, 39, 43), (10, 30, 40), (5, 28, 33), (6, 25, 31), (16, 29, 45), (11, 15, 26).
 \mathcal{B}_{35} : (1, 35, 36), (4, 38, 42), (5, 15, 20), (2, 28, 30), (8, 18, 26), (11, 13, 24), (12, 21, 33), (10, 34, 44),
 (6, 37, 43), (3, 19, 22), (7, 25, 32), (14, 27, 41), (9, 31, 40), (17, 29, 45), (16, 23, 39).
 \mathcal{B}_{36} : (1, 36, 37), (12, 26, 38), (4, 27, 31), (15, 29, 44), (8, 22, 30), (5, 14, 19), (17, 35, 39), (3, 42, 45),

- (16, 25, 41), (7, 21, 28), (11, 32, 43), (10, 13, 23), (9, 24, 33), (6, 34, 40), (2, 18, 20).
- \mathcal{B}_{37} : (1, 37, 38), (17, 23, 40), (5, 21, 26), (6, 13, 19), (4, 30, 34), (14, 36, 41), (12, 32, 44), (8, 25, 33), (18, 31, 42), (7, 28, 35), (2, 20, 22), (10, 29, 39), (9, 15, 24), (3, 43, 45), (11, 16, 27).
- \mathcal{B}_{38} : (1, 38, 39), (5, 25, 30), (21, 24, 45), (13, 16, 29), (4, 32, 36), (6, 31, 37), (9, 26, 35), (2, 15, 17), (3, 41, 44), (11, 12, 23), (10, 18, 28), (20, 22, 42), (14, 19, 33), (8, 40, 43), (7, 27, 34).
- \mathcal{B}_{39} : (1, 39, 40), (16, 20, 36), (7, 23, 30), (5, 32, 37), (4, 41, 45), (15, 19, 34), (27, 31, 33), (2, 24, 26), (13, 22, 35), (18, 29, 44), (3, 11, 14), (10, 28, 38), (6, 42, 43), (8, 17, 25), (9, 12, 21).
- \mathcal{B}_{40} : (1, 40, 41), (1, 42, 43), (2, 44, 45), (4, 23, 27), (14, 20, 34), (11, 21, 32), (9, 36, 45), (7, 18, 25), (8, 35, 43), (5, 19, 24), (7, 31, 38), (3, 15, 18), (13, 34, 44), (6, 33, 39), (3, 21, 24), (10, 12, 22), (10, 15, 25), (5, 23, 28), (13, 19, 32), (16, 17, 33), (4, 16, 20), (2, 35, 37), (9, 29, 38), (8, 31, 39), (14, 26, 40), (11, 30, 41), (6, 30, 36), (12, 17, 29), (22, 27, 42), (26, 28, 37).
- \mathcal{B}_{41} : (1, 41, 42), (1, 43, 44), (1, 44, 45), (4, 35, 39), (2, 40, 42), (3, 23, 26), (14, 25, 39), (2, 19, 21), (6, 29, 35), (11, 17, 28), (12, 20, 32), (18, 28, 45), (15, 20, 35), (4, 26, 30), (17, 34, 40), (7, 34, 41), (3, 22, 25), (7, 17, 24), (5, 22, 27), (11, 26, 37), (9, 23, 32), (13, 30, 43), (4, 33, 37), (7, 32, 39), (8, 30, 38), (3, 12, 15), (6, 12, 18), (10, 19, 29), (10, 14, 24), (14, 24, 38), (16, 27, 43), (8, 29, 37), (5, 36, 41), (2, 38, 40), (11, 20, 31), (9, 16, 25), (19, 28, 44), (8, 23, 31), (5, 16, 21), (13, 21, 34), (9, 22, 31), (13, 36, 42), (10, 36, 45), (15, 18, 33), (6, 27, 33).
- \mathcal{B}_{i+40} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 41$.

2 For $v \equiv 5 \pmod 6$ and $v \leq 95$

From Theorem 3.6 of our paper, we only need to construct the orders 35,65,77,95.

(a) An LSCTS($35; 3^{11}$) = ($\mathbb{Z}_{35}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{11}$), the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 11$) is listed below:

- \mathcal{B}_1 : difference triples of Type 1.
- \mathcal{B}_2 : (1, 2, 3), (1, 3, 4), (1, 4, 5), (2, 3, 5), (2, 4, 6), (5, 9, 14), (6, 12, 17), (6, 14, 15), (7, 11, 17), (7, 12, 16), (7, 13, 15), (8, 10, 17), (8, 11, 16), (8, 13, 14), (9, 10, 16), (9, 11, 15), (10, 12, 13).
- \mathcal{B}_3 : (1, 6, 7), (1, 7, 8), (1, 8, 9), (2, 5, 7), (2, 6, 8), (2, 9, 11), (3, 10, 13), (3, 12, 15), (3, 15, 17), (4, 10, 14), (4, 13, 17), (4, 15, 16), (5, 11, 16), (5, 12, 17), (6, 13, 16), (9, 12, 14), (10, 11, 14).
- \mathcal{B}_4 : (1, 10, 11), (1, 11, 12), (1, 12, 13), (2, 7, 9), (2, 13, 15), (2, 14, 16), (3, 4, 7), (3, 5, 8), (3, 14, 17), (4, 6, 10), (4, 7, 11), (5, 13, 17), (5, 14, 16), (6, 9, 15), (6, 10, 16), (8, 9, 17), (8, 12, 15).
- \mathcal{B}_5 : (1, 5, 6), (1, 14, 15), (1, 15, 16), (2, 10, 12), (2, 11, 13), (2, 15, 17), (3, 7, 10), (3, 8, 11), (3, 9, 12), (4, 9, 13), (4, 12, 16), (4, 14, 17), (5, 6, 11), (5, 8, 13), (6, 8, 14), (7, 9, 16), (7, 10, 17).
- \mathcal{B}_6 : (1, 9, 10), (1, 13, 14), (1, 16, 17), (2, 8, 10), (2, 12, 14), (2, 16, 17), (3, 6, 9), (3, 11, 14), (4, 5, 9), (3, 13, 16), (4, 8, 12), (4, 11, 15), (5, 7, 12), (5, 10, 15), (6, 7, 13), (6, 11, 17), (7, 8, 15).
- \mathcal{B}_{i+5} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 6$.

(b) An LSCTS($65; 3^{21}$) = ($\mathbb{Z}_{65}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{21}$), the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 21$) is listed below:

- \mathcal{B}_1 : difference triples of Type 1.
- \mathcal{B}_2 : (1, 2, 3), (20, 22, 23), (2, 4, 6), (14, 25, 26), (6, 7, 13), (7, 8, 15), (11, 19, 30), (1, 4, 5), (16, 17, 32), (1, 3, 4), (8, 9, 17), (8, 10, 18), (9, 10, 19), (10, 11, 21), (11, 12, 23), (12, 13, 25), (15, 22, 28), (17, 18, 30), (13, 14, 27), (14, 15, 29), (18, 19, 28), (16, 20, 29), (16, 24, 25), (12, 24, 29), (2, 21, 23), (3, 27, 30), (5, 26, 31), (5, 27, 32), (6, 28, 31), (7, 26, 32), (9, 22, 31), (20, 21, 24).
- \mathcal{B}_3 : (1, 5, 6), (1, 6, 7), (1, 7, 8), (12, 25, 28), (2, 6, 8), (15, 16, 31), (3, 9, 12), (3, 10, 13), (16, 18, 31), (17, 19, 29), (4, 5, 9), (4, 9, 13), (4, 10, 14), (11, 13, 24), (11, 14, 25), (12, 15, 27), (14, 21, 30), (18, 21, 26), (17, 23, 25), (19, 20, 26), (16, 23, 26), (15, 23, 27), (17, 20, 28), (2, 18, 20), (2, 22, 24), (3, 29, 32), (5, 29, 31), (7, 28, 30), (8, 27, 30), (19, 22, 24), (11, 21, 32), (10, 22, 32).
- \mathcal{B}_4 : (1, 8, 9), (1, 9, 10), (1, 10, 11), (13, 20, 32), (2, 10, 12), (16, 19, 30), (3, 4, 7), (3, 5, 8), (12, 26, 27), (14, 17, 31), (19, 21, 25), (4, 13, 17), (5, 7, 12), (5, 13, 18), (6, 14, 20), (6, 15, 21), (18, 23, 24), (15, 24, 26), (15, 18, 32), (14, 22, 29), (17, 21, 27), (11, 25, 29), (6, 19, 25), (4, 16, 20), (7, 22, 29), (9, 23, 32), (2, 26, 28), (2, 28, 30), (3, 28, 31), (8, 23, 31), (11, 24, 30), (16, 22, 27).
- \mathcal{B}_5 : (1, 11, 12), (1, 12, 13), (1, 13, 14), (8, 16, 24), (2, 13, 15), (6, 29, 30), (3, 6, 9), (8, 17, 25), (4, 19, 23), (11, 20, 31), (12, 21, 32), (4, 7, 11), (4, 14, 18), (2, 20, 22), (10, 27, 28), ((5, 16, 21), (5, 17, 22), (9, 26, 30), (7, 16, 23), (8, 19, 27), (6, 20, 26), 10, 18, 28), (10, 24, 31), (9, 24, 32), (2, 25, 27), (3, 14, 17), (3, 26, 29), (5, 28, 32), (15, 21, 29), (15, 19, 31), (18, 22, 25), (7, 23, 30).
- \mathcal{B}_6 : (1, 14, 15), (1, 15, 16), (1, 16, 17), (2, 15, 17), (13, 21, 31), (8, 20, 28), (10, 25, 30), (9, 20, 29), (6, 22, 28), (2, 24, 26), (2, 7, 9), (3, 17, 20), (3, 18, 21), (10, 12, 22), (4, 8, 12), (4, 18, 22), (4, 21, 25), (8, 24, 32), (5, 9, 14), (5, 14, 19), (11, 26, 28), (5, 18, 23), (7, 27, 31), (11, 23, 31), (7, 12, 19), (6, 26, 32), (10, 19, 29), (13, 23, 29), (11, 16, 27), (13, 25, 27), (3, 30, 32), (6, 24, 30).
- \mathcal{B}_7 : (1, 17, 18), (1, 18, 19), (1, 19, 20), (2, 27, 29), (2, 29, 31), (2, 30, 32), (3, 15, 18), (14, 23, 28), (11, 22, 32), (3, 20, 23), (4, 11, 15), (4, 17, 21), (10, 20, 30), (10, 26, 29), (4, 22, 26), (5, 8, 13), (5, 11, 16), (5, 12, 17), (6, 8, 14), (6, 9, 15), (14, 24, 27), (6, 10, 16), (12, 22, 31), (7, 19, 26), (7, 25, 32), (9, 16, 25), (9, 25, 31), (13, 24, 28), (3, 24, 27), (7, 21, 28), (8, 13, 21), (12, 23, 30).
- \mathcal{B}_8 : (1, 20, 21), (5, 25, 30), (7, 9, 16), (12, 17, 29), (13, 22, 30), (3, 21, 24), (3, 23, 26), (7, 15, 22), (8, 28, 29), (4, 20, 24), (10, 16, 26), (9, 18, 27), (5, 19, 24), (1, 22, 23), (14, 20, 31), (2, 11, 13), (6, 12, 18), (2, 23, 25), (13, 15, 28), (6, 27, 32), (4, 27, 31), (11, 18, 29), (4, 6, 10), (14, 19, 32), (2, 17, 19), (9, 17, 26), (8, 25, 32), (12, 16, 28), (3, 8, 11), (5, 10, 15), (1, 30, 31), (7, 14, 21).
- \mathcal{B}_9 : (1, 23, 24), (4, 24, 28), (7, 18, 25), (5, 6, 11), (13, 16, 29), (1, 29, 30), (15, 17, 32), (9, 11, 20), (4, 28, 32), (3, 22, 25), (7, 10, 17), (2, 8, 10), (6, 21, 27), (9, 12, 21), (12, 19, 31), (10, 14, 24), (2, 9, 11), (8, 22, 30), (14, 18, 32), (7, 20, 27), (5, 23, 28), (17, 22, 26), (13, 18, 31), (5, 20, 25), (3, 12, 15), (14, 16, 30), (3, 13, 16), (6, 23, 29), (2, 19, 21), (4, 15, 19), (1, 26, 27), (8, 26, 31).
- \mathcal{B}_{10} : (10, 13, 23), (5, 24, 29), (6, 18, 24), (8, 14, 22), (1, 28, 29), (4, 23, 27), (5, 21, 26), (10, 17, 27), (8, 12, 20), (6, 25, 31), (13, 19, 32), (8, 15, 23), (2, 14, 16), (7, 11, 18), (9, 27, 29), (2, 16, 18), (9, 21, 30), (1, 31, 32), (3, 16, 19), (1, 21, 22), (6, 11, 17), (4, 26, 30), (12, 20, 32), (2, 5, 7), (9, 15, 24), (11, 17, 28), (7, 13, 20), (3, 25, 28), (3, 19, 22), (10, 15, 25), (12, 14, 26), (4, 30, 31).
- \mathcal{B}_{11} : (6, 16, 22), (1, 24, 25), (5, 22, 27), (6, 17, 23), (9, 14, 23), (18, 20, 27), (6, 13, 19), (4, 29, 32), (11, 15, 26), (12, 18, 30), (7, 24, 31), (2, 31, 32), (4, 12, 16), (8, 21, 29), (9, 19, 28), (10, 21, 31), (10, 23, 32), (8, 11, 19), (1, 27, 28), (3, 11, 14), (15, 20, 30), (8, 18, 26), (4, 25, 29), (13, 17, 30), (16, 21, 28), (2, 3, 5), (5, 15, 20), (9, 13, 22), (2, 12, 14), (1, 25, 26), (3, 7, 10), (7, 17, 24).
- \mathcal{B}_{i+10} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 11$.

(c) An LSCTS($77; 3^{25}$) = ($\mathbb{Z}_{77}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{25}$), the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 25$) is listed below:

- \mathcal{B}_1 : difference triples of Type 1.
- \mathcal{B}_2 : (1, 3, 4), (2, 3, 5), (2, 4, 6), (21, 24, 32), (6, 7, 13), (22, 24, 31), (19, 27, 31), (5, 35, 37), (6, 32, 38), (23, 26, 28), (1, 2, 3), (1, 4, 5), (8, 9, 17), (8, 10, 18), (9, 10, 19), (10, 11, 21), (11, 12, 23), (12, 13, 25), (7, 26, 33), (7, 33, 37), (12, 14, 26), (8, 34, 35), (18, 19, 37), (14, 15, 29), (15, 16, 31), (16, 17, 33), (17, 18, 35), (14, 29, 34), (9, 27, 36), (15, 24, 38), (20, 21, 36), (20, 28, 29), (20, 25, 32), (22, 27, 28), (11, 30, 36), (22, 25, 30), (13, 30, 34), (16, 23, 38).
- \mathcal{B}_3 : (1, 5, 6), (1, 6, 7), (1, 7, 8), (2, 5, 7), (2, 6, 8), (20, 24, 33), (3, 9, 12), (18, 23, 36), (21, 22, 34), (2, 37, 38), (3, 28, 31), (3, 11, 14), (4, 9, 13), (4, 10, 14), (19, 22, 36), (13, 29, 35), (11, 14, 25), (8, 32, 37), (10, 29, 38), (11, 15, 26), (4, 5, 9), (12, 15, 27), (12, 16, 28), (20, 22, 35), (16, 30, 31), (17, 19, 36), (15, 17, 32), (10, 33, 34), (18, 25, 34), (13, 26, 38), (21, 27, 29), (20, 27, 30), (23, 24, 30), (18, 26, 33), (17, 28, 32), (16, 24, 37), (19, 23, 35), (21, 25, 31).
- \mathcal{B}_4 : (1, 8, 9), (1, 9, 10), (1, 10, 11), (2, 7, 9), (2, 10, 12), (15, 21, 36), (3, 4, 7), (19, 26, 32), (3, 33, 36), (3, 34, 37), (6, 33, 38), (18, 22, 37), (23, 25, 29), (4, 12, 16), (4, 13, 17), (5, 7, 12), (13, 25, 38), (6, 14, 20), (8, 19, 27), (8, 27, 35), (6, 15, 21), (11, 31, 35), (20, 23, 34), (24, 25, 28), (14, 16, 30), (11, 24, 35), (16, 20, 36), (14, 17, 31), (15, 28, 34), (22, 26, 29), (17, 21, 38), (19, 28, 30), (18, 29, 30), (24, 26, 27), (5, 32, 37), (2, 31, 33), (22, 23, 32), (5, 13, 18).
- \mathcal{B}_5 : (1, 11, 12), (18, 20, 38), (1, 13, 14), (2, 12, 14), (9, 29, 38), (19, 20, 38), (6, 34, 37), (7, 30, 37), (21, 23, 33), (17, 25, 35), (18, 24, 35), (4, 6, 10), (13, 14, 27), (4, 15, 19), (5, 10, 15), (1, 27, 28), (3, 29, 32), (13, 22, 35), (5, 17, 22), (6, 17, 23), (7, 16, 23), (8, 16, 24), (18, 27, 32), (4, 30, 34), (5, 31, 36), (21, 26, 30), (8, 21, 29), (15, 26, 36), (2, 9, 11), (20, 26, 31), (3, 19, 22), (9, 24, 33), (12, 28, 37), (2, 8, 10), (3, 31, 34), (7, 25, 32), (11, 25, 36), (16, 28, 33).
- \mathcal{B}_6 : (19, 25, 33), (2, 14, 16), (2, 15, 17), (2, 17, 19), (3, 18, 21), (10, 30, 37), (16, 29, 32), (10, 25, 35), (13, 21, 34), (1, 14, 15), (3, 20, 23), (11, 26, 37), (1, 16, 17), (4, 8, 12), (7, 29, 36), (4, 18, 22), (9, 21, 30), (4, 28, 32), (12, 31, 34), (5, 8, 13), (5, 19, 24), (12, 32, 33), (5, 22, 27), (9, 25, 34), (1, 36, 37), (6, 20, 26), (3, 24, 27), (6, 29, 35), (8, 23, 31), (6, 22, 28), (7, 13, 20), (7, 23, 30), (15, 18, 33), (11, 28, 38), (14, 24, 38), (10, 31, 36), (11, 27, 38), (9, 26, 35).
- \mathcal{B}_7 : (1, 17, 18), (15, 27, 35), (14, 26, 37), (4, 29, 33), (7, 24, 31), (9, 30, 38), (5, 21, 26), (16, 18, 34), (19, 24, 34), (12, 24, 36), (2, 20, 22), (3, 8, 11), (13, 31, 33), (3, 17, 20), (10, 32, 35), (10, 28, 38), (7, 32, 38), (12, 25, 37), (4, 17, 21), (10, 21, 31), (5, 9, 14), (5, 23, 28), (12, 23, 35), (6, 8, 14), (2, 16, 18), (13, 27, 37), (8, 33, 36), (1, 19, 20), (6, 9, 15), (4, 22, 26), (7, 22, 29), (2, 11, 13), (15, 30, 32), (16, 25, 36), (6, 19, 25), (11, 23, 34), (3, 27, 30), (1, 28, 29).
- \mathcal{B}_8 : (1, 20, 21), (8, 28, 36), (1, 22, 23), (5, 34, 38), (14, 27, 36), (2, 18, 20), (2, 21, 23), (7, 27, 34), (3, 26, 29), (4, 16, 20), (6, 23, 29), (5, 24, 29), (3, 30, 33), (9, 31, 37), (3, 32, 35), (12, 30, 35), (11, 21, 32), (14, 28, 35), (1, 15, 16), (4, 33, 37), (14, 25, 38), (8, 18, 26), (5, 25, 30), (13, 18, 31), (6, 13, 19), (13, 19, 32), (12, 19, 31), (9, 28, 37), (12, 26, 38), (6, 10, 16), (7, 34, 36), (7, 10, 17), (8, 17, 25), (9, 15, 24), (10, 17, 27), (11, 22, 33), (4, 11, 15), (2, 22, 24).
- \mathcal{B}_9 : (1, 23, 24), (1, 25, 26), (15, 20, 35), (2, 23, 25), (8, 22, 30), (18, 28, 31), (3, 36, 38), (7, 19, 26), (4, 27, 31), (10, 24, 34), (1, 29, 30), (6, 16, 22), (5, 16, 21), (14, 18, 32), (5, 11, 16), (5, 12, 17), (14, 31, 32), (11, 29, 37), (4, 26, 30), (6, 11, 17), (3, 6, 9), (10, 22, 32), (9, 18, 27), (7, 12, 19), (4, 34, 38), (7, 14, 21), (2, 35, 37), (12, 27, 38), (10, 19, 29), (9, 33, 35), (17, 20, 37), (8, 25, 33), (2, 34, 36), (13, 15, 28), (8, 15, 23), (13, 20, 33), (3, 21, 24), (13, 28, 36).
- \mathcal{B}_{10} : (1, 30, 31), (1, 31, 32), (1, 33, 34), (2, 26, 28), (8, 11, 19), (2, 28, 30), (3, 22, 25), (5, 33, 38), (9, 12, 21), (4, 21, 25), (9, 14, 23), (5, 15, 20), (5, 18, 23), (4, 32, 36), (6, 18, 24), (13, 24, 37), (12, 17, 29), (4, 35, 38), (17, 23, 37), (6, 25, 31), (6, 27, 33), (7, 11, 18), (7, 21, 28), (15, 19, 34), (8, 12, 20), (2, 27, 29), (10, 27, 37), (17, 24, 36), (8, 14, 22), (14, 20, 34), (7, 15, 22), (16, 26, 35), (3, 35, 38), (9, 32, 36), (11, 19, 30), (10, 16, 26), (13, 16, 29), (3, 10, 13).
- \mathcal{B}_{11} : (1, 34, 35), (9, 16, 25), (10, 26, 36), (13, 17, 30), (1, 12, 13), (4, 36, 37), (2, 33, 35), (3, 5, 8), (18, 21, 38), (14, 23, 37), (11, 17, 28), (8, 24, 32), (7, 28, 35), (16, 27, 34), (3, 16, 19), (17, 29, 31), (15, 29, 33), (14, 22, 36), (15, 22, 37), (6, 21, 27), (7, 31, 38), (1, 18, 19), (4, 20, 24), (6, 26, 32), (3, 25, 28), (5, 6, 11), (12, 22, 34), (7, 20, 27), (2, 19, 21), (5, 26, 31), (10, 14, 24), (4, 25, 29), (9, 23, 32), (10, 23, 33), (12, 18, 30), (9, 11, 20), (2, 13, 15), (8, 30, 38).
- \mathcal{B}_{12} : (16, 22, 38), (16, 21, 37), (15, 25, 37), (10, 20, 30), (9, 19, 28), (8, 31, 38), (4, 24, 28), (6, 35, 36), (4, 7, 11), (5, 14, 19), (17, 27, 33), (9, 13, 22), (1, 24, 25), (2, 25, 27), (12, 20, 32), (5, 28, 33), (11, 16, 27), (8, 26, 34), (12, 29, 36), (9, 20, 29), (3, 15, 18), (6, 31, 37), (8, 13, 21), (15, 23, 38), (3, 7, 10), (11, 32, 34), (14, 19, 33), (1, 35, 36), (17, 26, 34), (2, 29, 31), (4, 14, 18), (5, 30, 35), (7, 17, 24), (10, 13, 23), (2, 30, 32), (1, 21, 22), (3, 23, 26), (6, 12, 18).
- \mathcal{B}_{13} : (7, 18, 25), (10, 18, 28), (7, 8, 15), (2, 36, 38), (5, 29, 34), (4, 19, 23), (4, 23, 27), (1, 32, 33), (11, 18, 29), (6, 24, 30), (3, 14, 17), (8, 29, 37), (6, 28, 34), (3, 12, 15), (14, 30, 33), (6, 30, 36), (5, 27, 32), (12, 21, 33), (14, 23, 36), (14, 21, 35), (9, 22, 31), (1, 37, 38), (5, 20, 25), (2, 24, 26), (9, 17, 26), (1, 26, 27), (11, 13, 24), (19, 21, 37), (2, 32, 34), (8, 20, 28), (16, 19, 35), (3, 13, 16), (4, 31, 35), (17, 22, 38), (10, 12, 22), (10, 15, 25), (11, 20, 31), (7, 9, 16).
- \mathcal{B}_{i+12} : adjoined difference triples of \mathcal{B}_i , $2 \leq i \leq 13$.

(d) An LSCTS($95; 3^{31}$) = $(\mathbb{Z}_{95}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{31})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 31$) is listed below:

- \mathcal{B}_1 : difference triples of Type 1.
- \mathcal{B}_2 : (1, 2, 3), (1, 3, 4), (29, 31, 35), (28, 33, 34), (2, 4, 6), (5, 43, 47), (6, 7, 13), (7, 8, 15), (6, 22, 28), (9, 40, 46), (7, 9, 16), (8, 9, 17), (30, 32, 33), (10, 38, 47), (10, 11, 21), (11, 12, 23), (12, 13, 25), (12, 14, 26), (11, 31, 42), (13, 14, 27), (14, 15, 29), (15, 16, 31), (16, 17, 33), (17, 18, 35), (18, 19, 37), (27, 30, 38), (19, 34, 42), (20, 21, 41), (20, 22, 42), (25, 26, 44), (22, 23, 45), (23, 24, 47), (18, 34, 43), (24, 26, 45), (25, 29, 41), (27, 32, 36), (10, 39, 46), (19, 20, 39), (1, 35, 36), (5, 40, 45), (8, 28, 36), (4, 37, 41), (2, 44, 46), (3, 37, 40), (5, 38, 43), (24, 32, 39), (21, 30, 44).
- \mathcal{B}_3 : (1, 5, 6), (19, 33, 43), (1, 7, 8), (18, 22, 40), (2, 6, 8), (2, 8, 10), (3, 9, 12), (16, 30, 46), (3, 22, 25), (5, 44, 46), (3, 11, 14), (4, 5, 9), (4, 9, 13), (19, 29, 47), (26, 32, 37), (21, 22, 43), (1, 11, 12), (30, 31, 34), (18, 35, 42), (6, 41, 47), (25, 28, 42), (26, 27, 42), (15, 36, 44), (24, 33, 38), (26, 31, 38), (25, 32, 38), (14, 36, 45), (28, 30, 37), (7, 10, 17), (18, 32, 45), (27, 29, 39), (20, 23, 43), (24, 34, 37), (28, 31, 36), (16, 39, 40), (10, 13, 23), (11, 23, 34), (16, 33, 46), (13, 35, 47), (14, 21, 35), (15, 39, 41), (19, 21, 40), (4, 41, 45), (12, 17, 29), (2, 15, 17), (7, 20, 27), (20, 24, 44).
- \mathcal{B}_4 : (1, 8, 9), (21, 26, 47), (1, 10, 11), (2, 7, 9), (2, 10, 12), (2, 11, 13), (3, 4, 7), (3, 5, 8), (12, 25, 37), (14, 40, 41), (3, 8, 11), (22, 32, 41), (4, 13, 17), (5, 7, 12), (5, 13, 18), (27, 28, 40), (16, 35, 44), (6, 38, 44), (25, 31, 39), (23, 31, 41), (6, 15, 21), (6, 16, 22), (18, 30, 47), (18, 28, 46), (20, 33, 42), (25, 30, 40), (17, 36, 42), (26, 30, 39), (10, 42, 43), (24, 27, 44), (19, 24, 43), (26, 34, 35), (27, 31, 37), (22, 24, 46), (23, 35, 37), (16, 29, 45), (14, 19, 33), (14, 20, 34), (28, 29, 38), (15, 19, 34), (15, 23, 38), (20, 36, 39), (17, 32, 46), (1, 32, 33), (4, 43, 47), (9, 36, 45), (21, 29, 45).
- \mathcal{B}_5 : (1, 12, 13), (15, 38, 42), (24, 29, 42), (2, 9, 11), (2, 12, 14), (2, 13, 15), (3, 6, 9), (19, 27, 46), (1, 34, 35), (10, 31, 41), (3, 12, 15), (14, 30, 44), (4, 7, 11), (4, 16, 20), (8, 38, 46), (10, 37, 47), (13, 37, 45), (5, 16, 21), (5, 11, 16), (4, 30, 34), (5, 17, 22), (28, 32, 35), (7, 17, 24), (8, 18, 26), (14, 25, 39), (8, 19, 27), (9, 18, 27), (21, 31, 43), (22, 36, 37), (20, 29, 46), (22, 25, 47), (18, 29, 47), (24, 30, 41), (19, 36, 40), (10, 32, 42), (26, 28, 41), (21, 23, 44), (23, 28, 44), (26, 33, 36), (17, 35, 43), (6, 34, 40), (7, 38, 45), (20, 25, 45), (3, 40, 43), (6, 33, 39), (1, 31, 32), (23, 33, 39).
- \mathcal{B}_6 : (1, 15, 16), (25, 33, 37), (16, 38, 41), (2, 14, 16), (2, 17, 19), (2, 18, 20), (3, 15, 18), (17, 31, 47), (3, 45, 47), (6, 30, 36), (3, 20, 23), (14, 28, 42), (4, 11, 15), (29, 30, 36), (5, 8, 13), (5, 9, 14), (9, 30, 39), (13, 29, 42), (5, 20, 25), (23, 32, 40), (6, 21, 27), (27, 33, 35), (7, 21, 28), (7, 22, 29), (23, 34, 38), (7, 24, 31), (9, 12, 21), (4, 39, 43), (10, 24, 34), (10, 25, 35), (10, 26, 36), (11, 13, 24), (11, 37, 47), (12, 26, 38), (8, 41, 46), (8, 43, 44), (4, 28, 32), (19, 35, 41), (22, 27, 46), (6, 26, 32), (12, 39, 44), (17, 34, 44), (18, 37, 40), (19, 31, 45), (1, 42, 43), (1, 45, 46), (22, 33, 40).
- \mathcal{B}_7 : (1, 18, 19), (20, 32, 43), (13, 20, 33), (2, 16, 18), (21, 36, 38), (2, 20, 22), (3, 13, 16), (11, 39, 45), (1, 41, 42), (2, 46, 47), (3, 18, 21), (24, 31, 40), (4, 23, 27), (4, 25, 29), (5, 10, 15), (5, 12, 17), (5, 22, 27), (21, 33, 41), (25, 34, 36), (6, 35, 41), (6, 10, 16), (22, 29, 44), (19, 23, 42), (15, 34, 46), (7, 25, 32), (7, 26, 33), (8, 15, 23), (8, 24, 32), (8, 27, 35),

- (4, 26, 30), (17, 28, 45), (10, 14, 24), (11, 26, 37), (11, 29, 40), (14, 37, 44), (9, 19, 28), (12, 40, 43), (13, 39, 43), (17, 30, 47), (1, 38, 39), (3, 28, 31), (6, 36, 42), (7, 30, 37), (9, 38, 47), (12, 34, 46), (14, 31, 45), (9, 35, 44).
- \mathcal{B}_8 : (1, 21, 22), (1, 22, 23), (1, 23, 24), (2, 21, 23), (13, 33, 46), (12, 29, 41), (3, 16, 19), (3, 17, 20), (2, 43, 45), (7, 39, 46), (3, 25, 28), (4, 14, 18), (29, 32, 34), (4, 17, 21), (5, 14, 19), (5, 15, 20), (5, 25, 30), (6, 12, 18), (2, 36, 38), (7, 31, 38), (6, 20, 26), (6, 25, 31), (18, 26, 44), (11, 24, 35), (7, 27, 34), (15, 32, 47), (8, 30, 38), (8, 37, 45), (8, 34, 42), (16, 36, 43), (17, 33, 45), (9, 26, 35), (9, 27, 36), (9, 28, 37), (10, 27, 37), (10, 29, 39), (10, 30, 40), (11, 32, 43), (16, 19, 35), (13, 40, 42), (14, 39, 42), (12, 35, 47), (13, 28, 41), (15, 31, 46), (16, 24, 40), (4, 44, 47), (11, 33, 44).
- \mathcal{B}_9 : (1, 24, 25), (1, 25, 26), (3, 14, 17), (2, 23, 25), (15, 30, 45), (14, 18, 32), (3, 21, 24), (6, 42, 47), (3, 44, 47), (5, 27, 32), (23, 29, 43), (4, 18, 22), (17, 29, 46), (4, 33, 37), (9, 22, 31), (13, 26, 39), (7, 28, 35), (5, 37, 42), (5, 28, 33), (4, 38, 42), (6, 31, 37), (6, 32, 38), (12, 22, 34), (7, 13, 20), (13, 36, 46), (7, 14, 21), (2, 34, 36), (8, 12, 20), (11, 19, 30), (9, 11, 20), (10, 34, 44), (9, 31, 40), (15, 29, 44), (10, 36, 46), (10, 40, 45), (19, 26, 45), (11, 30, 41), (1, 16, 17), (2, 38, 40), (18, 23, 41), (21, 35, 39), (8, 39, 47), (12, 15, 27), (16, 27, 43), (8, 33, 41), (24, 28, 43), (16, 19, 35).
- \mathcal{B}_{10} : (1, 27, 28), (1, 29, 30), (17, 19, 36), (13, 32, 45), (2, 28, 30), (14, 29, 43), (24, 25, 46), (17, 22, 39), (19, 37, 39), (5, 18, 23), (14, 33, 47), (7, 16, 23), (16, 28, 44), (3, 31, 34), (3, 33, 36), (15, 33, 47), (9, 32, 41), (16, 31, 47), (4, 21, 25), (12, 31, 43), (17, 27, 44), (20, 35, 40), (5, 21, 26), (12, 30, 42), (6, 18, 24), (23, 26, 46), (8, 13, 21), (11, 25, 36), (6, 9, 15), (7, 15, 22), (4, 34, 38), (7, 19, 26), (10, 12, 22), (8, 10, 18), (20, 37, 38), (9, 20, 29), (4, 6, 10), (5, 41, 46), (11, 34, 45), (11, 41, 43), (3, 32, 35), (13, 27, 40), (1, 39, 40), (2, 35, 37), (2, 42, 44), (8, 42, 45), (14, 24, 38).
- \mathcal{B}_{11} : (1, 33, 34), (1, 37, 38), (1, 40, 41), (2, 30, 32), (6, 14, 20), (2, 33, 35), (4, 45, 46), (18, 24, 42), (6, 39, 45), (11, 36, 47), (3, 34, 37), (7, 12, 19), (21, 27, 47), (5, 24, 29), (16, 25, 41), (13, 24, 37), (14, 32, 46), (5, 26, 31), (3, 10, 13), (20, 31, 44), (6, 40, 46), (8, 20, 28), (4, 15, 19), (7, 18, 25), (16, 22, 38), (26, 29, 40), (7, 36, 43), (21, 32, 42), (12, 23, 35), (8, 17, 25), (4, 12, 16), (9, 14, 23), (9, 17, 26), (22, 30, 43), (10, 19, 29), (15, 27, 42), (18, 33, 44), (11, 17, 28), (3, 36, 39), (9, 21, 30), (10, 41, 44), (15, 28, 43), (2, 45, 47), (5, 34, 39), (8, 23, 31), (11, 27, 38), (13, 22, 35).
- \mathcal{B}_{12} : (1, 43, 44), (1, 44, 45), (1, 46, 47), (4, 42, 46), (4, 22, 26), (3, 35, 38), (3, 38, 41), (12, 37, 46), (5, 32, 37), (16, 23, 39), (5, 29, 34), (6, 24, 30), (6, 27, 33), (6, 28, 34), (5, 35, 40), (10, 23, 33), (13, 18, 31), (7, 35, 42), (14, 22, 36), (8, 11, 19), (2, 26, 28), (8, 21, 29), (13, 21, 34), (10, 17, 27), (14, 27, 41), (9, 16, 25), (9, 29, 38), (14, 17, 31), (16, 20, 36), (10, 15, 25), (20, 30, 45), (15, 24, 39), (4, 8, 12), (12, 19, 31), (11, 15, 26), (18, 25, 43), (13, 19, 32), (11, 21, 32), (3, 30, 33), (2, 22, 24), (2, 37, 39), (20, 28, 47), (7, 40, 47), (9, 42, 44), (7, 43, 45), (18, 36, 41).
- \mathcal{B}_{13} : (3, 41, 44), (1, 30, 31), (5, 31, 36), (2, 24, 26), (7, 37, 44), (5, 33, 38), (19, 28, 47), (2, 27, 29), (22, 34, 39), (6, 43, 46), (9, 34, 43), (8, 40, 47), (9, 41, 45), (4, 10, 14), (10, 22, 32), (18, 20, 38), (8, 31, 39), ((4, 29, 33), (7, 33, 40), (5, 6, 11), (11, 14, 25), (17, 38, 40), (11, 18, 29), (15, 20, 35), (13, 23, 36), (4, 32, 36), (14, 23, 37), (1, 6, 7), (16, 21, 37), (12, 20, 32), (13, 17, 30), (12, 41, 42), (1, 17, 18), (15, 35, 45), (13, 15, 28), (2, 19, 21), (19, 25, 44), (9, 25, 34), (8, 16, 24), (2, 28, 46), (3, 43, 46), (23, 30, 42), (3, 24, 27), (22, 26, 47), (16, 26, 42), (10, 35, 45), 12, 27, 39).
- \mathcal{B}_{14} : (3, 29, 32), (2, 40, 42), (6, 29, 35), (13, 31, 44), (14, 34, 47), (17, 37, 41), (15, 22, 37), (2, 3, 5), (6, 17, 23), (5, 30, 35), (9, 13, 22), (9, 33, 42), (2, 41, 43), (7, 32, 39), (3, 27, 30), (1, 13, 14), (6, 19, 25), (18, 38, 39), (16, 34, 45), (23, 27, 45), (5, 36, 41), (12, 18, 30), (7, 11, 18), (15, 17, 32), (10, 16, 26), (4, 19, 23), (21, 24, 45), (1, 28, 29), (22, 35, 38), (8, 36, 44), (15, 37, 43), (12, 16, 28), (8, 25, 33), (10, 33, 43), (20, 27, 47), (14, 26, 40), (1, 19, 20), (4, 24, 28), (4, 40, 44), (11, 38, 46), (8, 26, 34), (11, 20, 31), (12, 24, 36), (10, 21, 31), (7, 42, 46), (9, 39, 47), (21, 25, 46).
- \mathcal{B}_{15} : (6, 44, 45), (18, 21, 39), (12, 28, 40), (6, 8, 14), (13, 38, 44), (1, 36, 37), (15, 21, 36), (4, 31, 35), (3, 26, 29), (4, 35, 39), (13, 16, 29), (6, 37, 43), (5, 23, 28), (10, 28, 38), (5, 19, 24), (3, 23, 26), (7, 34, 41), (4, 36, 40), (15, 18, 33), (20, 26, 46), (25, 27, 43), (1, 9, 10), (11, 35, 46), (22, 31, 42), (8, 22, 30), (14, 16, 30), (3, 39, 42), (19, 30, 46), (17, 20, 37), (17, 24, 41), (18, 27, 45), (17, 25, 42), (11, 22, 33), (12, 32, 44), (2, 29, 31), (13, 34, 47), (9, 10, 19), (14, 38, 43), (7, 41, 47), (8, 32, 40), (12, 33, 45), (9, 15, 24), (2, 32, 34), (1, 20, 21), (2, 5, 7), (23, 25, 47), (11, 16, 27).
- \mathcal{B}_{16} : (4, 27, 31), (12, 38, 45), (11, 28, 39), (12, 21, 33), (21, 34, 40), (5, 39, 44), (3, 42, 45), (14, 35, 46), (16, 32, 47), (5, 42, 47), (1, 14, 15), (19, 32, 44), (6, 23, 29), (3, 7, 10), (7, 29, 36), (2, 25, 27), (4, 20, 24), (9, 37, 46), (10, 20, 30), (2, 31, 33), (17, 21, 38), (20, 34, 41), (1, 4, 5), (7, 23, 30), (9, 23, 32), (8, 14, 22), (11, 40, 44), (15, 26, 41), (13, 25, 38), (18, 31, 46), (8, 35, 43), (15, 25, 40), (6, 11, 17), (1, 26, 27), (16, 37, 42), (22, 28, 45), (9, 24, 33), (6, 13, 19), (3, 19, 22), (13, 30, 43), (24, 35, 36), (8, 29, 37), (10, 18, 28), (2, 39, 41), (12, 36, 47), (17, 26, 43), (16, 18, 34).
- \mathcal{B}_{i+15} : adjointed difference triples of \mathcal{B}_i , $2 \leq i \leq 16$.

3 $v \equiv 3 \pmod{6}$ and $v \leq 99$

- (a) An LCTS(15; $1*3^4$) = $(\mathbb{Z}_{15}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_5)$, where \mathcal{A}_i has been given in Ex. 3.3 of our paper for $1 \leq i \leq 5$.
- (b) An LCTS(21; $1*3^6$) = $(\mathbb{Z}_{21}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_7)$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 7$) is listed below:
 \mathcal{B}_1 : (1, 9, 10), (2, 4, 6), (3, 5, 8), (7, 7, 7).
 \mathcal{B}_2 : (1, 1, 2), (2, 2, 4), (3, 3, 6), (4, 4, 8), (5, 5, 10), (9, 9, 3), (10, 10, 1), (7, 5, 9), (6, 7, 8), (7, 6, 8).
 \mathcal{B}_3 : (1, 2, 3), (2, 1, 3), (1, 5, 6), (2, 6, 8), (3, 7, 10), (4, 7, 10), (4, 8, 9), (8, 4, 9), (6, 5, 10), (5, 7, 9).
 \mathcal{B}_4 : (1, 3, 4), (1, 4, 5), (1, 7, 8), (2, 7, 9), (7, 2, 9), (2, 8, 10), (5, 3, 8), (3, 6, 9), (6, 4, 10), (5, 6, 10).
 \mathcal{B}_5 : (8, 8, 5), (3, 1, 4), (6, 1, 7), (8, 1, 9), (3, 2, 5), (5, 2, 7), (9, 2, 10), (6, 3, 9), (4, 6, 10), (7, 4, 10).
 \mathcal{B}_6 : (6, 6, 9), (4, 1, 5), (1, 6, 7), (7, 1, 8), (2, 3, 5), (8, 2, 10), (2, 9, 10), (4, 3, 7), (8, 3, 10), (5, 4, 9).
 \mathcal{B}_7 : (5, 1, 6), (1, 8, 9), (9, 1, 10), (4, 2, 6), (2, 5, 7), (6, 2, 8), (3, 4, 7), (7, 3, 10), (3, 8, 10), (4, 5, 9).
- (c) An LCTS(27; $1*3^8$) = $(\mathbb{Z}_{27}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_9)$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 9$) is listed below:
 \mathcal{B}_1 : (1, 12, 13), (2, 5, 7), (3, 8, 11), (4, 6, 10), (9, 9, 9).
 \mathcal{B}_2 : (1, 1, 2), (2, 2, 4), (3, 3, 6), (4, 4, 8), (5, 5, 10), (6, 6, 12), (7, 7, 13), (11, 11, 5), (12, 12, 3), (13, 13, 1), (9, 7, 11), (8, 9, 10), (9, 8, 10).
 \mathcal{B}_3 : (2, 1, 3), (1, 3, 4), (3, 1, 4), (2, 4, 6), (2, 10, 12), (5, 8, 13), (5, 9, 13), (9, 5, 13), (6, 10, 11), (10, 6, 11), (7, 8, 12), (8, 7, 12), (7, 9, 11).
 \mathcal{B}_4 : (4, 1, 5), (1, 5, 6), (1, 6, 7), (2, 7, 9), (2, 8, 10), (8, 2, 10), (3, 9, 12), (3, 10, 13), (11, 3, 13), (4, 7, 11), (4, 11, 12), (8, 5, 13), (6, 9, 12).
 \mathcal{B}_5 : (5, 1, 6), (1, 7, 8), (7, 1, 8), (2, 3, 5), (2, 6, 8), (2, 9, 11), (3, 7, 10), (3, 11, 13), (4, 9, 13), (4, 10, 13), (11, 4, 12), (5, 10, 12), (9, 6, 12).
 \mathcal{B}_6 : (1, 8, 9), (1, 9, 10), (1, 10, 11), (3, 2, 5), (2, 11, 13), (3, 4, 7), (3, 6, 9), (11, 2, 13), (6, 4, 10), (8, 4, 12), (5, 7, 12), (7, 5, 12), (6, 8, 13).
 \mathcal{B}_7 : (1, 2, 3), (10, 1, 11), (1, 11, 12), (6, 2, 8), (7, 2, 9), (5, 3, 8), (5, 4, 9), (9, 3, 12), (7, 4, 11), (10, 4, 13), (10, 5, 12), (7, 6, 13), (8, 6, 13).
 \mathcal{B}_8 : (8, 8, 11), (8, 1, 9), (11, 1, 12), (4, 2, 6), (5, 2, 7), (4, 3, 7), (6, 3, 9), (12, 2, 13), (12, 1, 13), (10, 10, 7), (10, 3, 13), (4, 5, 9), (6, 5, 11).
 \mathcal{B}_9 : (1, 4, 5), (6, 1, 7), (9, 1, 10), (9, 2, 11), (2, 12, 13), (3, 5, 8), (7, 3, 10), (10, 2, 12), (8, 3, 11), (4, 8, 12), (9, 4, 13), (5, 6, 11), (6, 7, 13).

(d) An LCTS($33; 1^*3^{10}$) = $(\mathbb{Z}_{33}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{11})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 11$) is listed below:

- \mathcal{B}_1 : (1, 7, 8), (2, 14, 16), (3, 9, 12), (4, 6, 10), (5, 13, 18), (11, 11, 11).
 \mathcal{B}_2 : (1, 1, 2), (2, 2, 4), (3, 3, 6), (4, 4, 8), (5, 5, 10), (6, 6, 12), (7, 7, 14), (10, 11, 12), (8, 8, 16), (9, 9, 15), (13, 13, 7), (14, 14, 5), (15, 15, 3), (16, 16, 1), (11, 9, 13), (11, 10, 12).
 \mathcal{B}_3 : (1, 2, 3), (2, 1, 3), (1, 3, 4), (4, 2, 6), (4, 5, 9), (5, 9, 14), (5, 12, 16), (6, 11, 16), (6, 13, 14), (7, 10, 16), (11, 7, 15), (12, 7, 14), (8, 10, 15), (10, 8, 15), (12, 8, 13), (9, 11, 13).
 \mathcal{B}_4 : (1, 4, 5), (4, 1, 5), (1, 5, 6), (6, 2, 8), (2, 7, 9), (2, 10, 12), (3, 10, 13), (3, 13, 16), (3, 14, 16), (4, 11, 15), (6, 12, 15), (9, 7, 16), (7, 11, 15), (11, 8, 14), (8, 12, 13), (10, 9, 14).
 \mathcal{B}_5 : (1, 6, 7), (6, 1, 7), (1, 8, 9), (3, 2, 5), (2, 9, 11), (2, 11, 13), (3, 12, 15), (12, 3, 15), (4, 8, 12), (4, 10, 14), (4, 13, 16), (5, 11, 16), (13, 5, 15), (6, 8, 14), (10, 7, 16), (9, 10, 14).
 \mathcal{B}_6 : (1, 9, 10), (9, 1, 10), (1, 10, 11), (5, 2, 7), (2, 6, 8), (7, 2, 9), (3, 8, 11), (3, 11, 14), (13, 3, 16), (4, 12, 16), (4, 14, 15), (14, 4, 15), (5, 8, 13), (12, 5, 16), (6, 7, 13), (12, 6, 15).
 \mathcal{B}_7 : (1, 11, 12), (11, 1, 12), (1, 13, 14), (8, 2, 10), (2, 12, 14), (2, 15, 16), (4, 3, 7), (3, 5, 8), (5, 3, 8), (4, 7, 11), (9, 4, 13), (5, 10, 15), (9, 6, 15), (6, 10, 16), (13, 6, 14), (7, 9, 16).
 \mathcal{B}_8 : (3, 1, 4), (5, 1, 6), (12, 1, 13), (10, 2, 12), (2, 13, 15), (13, 2, 15), (3, 4, 7), (7, 3, 10), (11, 4, 15), (6, 5, 11), (9, 5, 14), (10, 6, 16), (7, 12, 14), (8, 9, 16), (9, 8, 16), (8, 11, 14).
 \mathcal{B}_9 : (10, 10, 13), (1, 12, 13), (13, 1, 14), (1, 14, 15), (2, 3, 5), (2, 8, 10), (12, 2, 14), (3, 6, 9), (6, 3, 9), (5, 4, 9), (7, 4, 11), (12, 4, 16), (11, 5, 16), (11, 6, 16), (7, 8, 15), (8, 7, 15).
 \mathcal{B}_{10} : (6, 9, 15), (7, 5, 12), (5, 6, 11), (13, 4, 16), (10, 4, 14), (6, 4, 10), (14, 3, 16), (10, 3, 13), (8, 3, 11), (15, 2, 16), (11, 2, 13), (2, 5, 7), (14, 1, 15), (8, 1, 9), (7, 1, 8), (12, 12, 9).
 \mathcal{B}_{11} : (8, 6, 14), (7, 6, 13), (10, 5, 15), (8, 5, 13), (5, 7, 12), (4, 9, 13), (8, 4, 12), (11, 3, 14), (9, 3, 12), (3, 7, 10), (14, 2, 16), (9, 2, 11), (2, 4, 6), (15, 1, 16), (1, 15, 16), (10, 1, 11).

(e) An LCTS($39; 1^*3^{12}$) = $(\mathbb{Z}_{39}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{13})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 13$) is listed below:

- \mathcal{B}_1 : (1, 17, 18), (2, 8, 10), (3, 11, 14), (4, 16, 19), (5, 7, 12), (6, 9, 15), (13, 13, 13).
 \mathcal{B}_2 : (1, 1, 2), (2, 2, 4), (3, 3, 6), (5, 5, 10), (6, 6, 12), (7, 7, 14), (8, 8, 16), (9, 9, 18), (13, 11, 15), (12, 13, 14), (10, 10, 19), (11, 11, 17), (15, 15, 9), (16, 16, 7), (17, 17, 5), (4, 4, 8), (18, 18, 3), (19, 19, 1), (13, 12, 14).
 \mathcal{B}_3 : (2, 1, 3), (1, 3, 4), (3, 1, 4), (2, 4, 6), (5, 6, 11), (5, 11, 16), (10, 12, 17), (6, 14, 19), (7, 13, 19), (13, 7, 19), (5, 2, 7), (8, 14, 17), (8, 15, 16), (15, 8, 16), (9, 12, 18), (12, 9, 18), (9, 13, 17), (11, 10, 18), (14, 10, 15).
 \mathcal{B}_4 : (4, 1, 5), (5, 1, 6), (2, 6, 8), (7, 2, 9), (2, 9, 11), (3, 7, 10), (3, 13, 16), (10, 14, 15), (12, 11, 16), (3, 17, 19), (4, 15, 19), (1, 5, 6), (4, 17, 18), (7, 14, 18), (8, 12, 19), (13, 8, 18), (9, 14, 16), (12, 10, 17), (11, 13, 15).
 \mathcal{B}_5 : (6, 1, 7), (7, 1, 8), (2, 3, 5), (3, 2, 5), (2, 12, 14), (3, 12, 15), (4, 9, 13), (10, 11, 18), (13, 10, 16), (4, 13, 17), (4, 14, 18), (5, 15, 19), (6, 15, 18), (16, 6, 17), (1, 7, 8), (14, 8, 17), (9, 10, 19), (11, 9, 19), (11, 12, 16).
 \mathcal{B}_6 : (8, 1, 9), (1, 9, 10), (9, 1, 10), (2, 5, 7), (6, 2, 8), (2, 11, 13), (3, 10, 13), (7, 15, 17), (3, 14, 17), (14, 3, 17), (4, 11, 15), (4, 12, 16), (12, 4, 16), (5, 14, 19), (5, 16, 18), (6, 13, 19), (15, 6, 18), (7, 11, 18), (12, 8, 19).
 \mathcal{B}_7 : (10, 1, 11), (1, 11, 12), (11, 1, 12), (2, 7, 9), (8, 2, 10), (2, 15, 17), (6, 16, 17), (9, 7, 16), (3, 15, 18), (6, 8, 14), (15, 3, 18), (3, 16, 19), (5, 4, 9), (4, 10, 14), (13, 4, 17), (5, 8, 13), (13, 5, 18), (14, 6, 19), (7, 12, 19).
 \mathcal{B}_8 : (12, 1, 13), (1, 13, 14), (13, 1, 14), (2, 14, 16), (2, 16, 18), (16, 2, 18), (8, 7, 15), (8, 10, 18), (3, 4, 7), (10, 9, 19), (4, 3, 7), (3, 6, 9), (4, 8, 12), (5, 10, 15), (5, 12, 17), (15, 5, 19), (6, 11, 17), (11, 6, 17), (9, 11, 19).
 \mathcal{B}_9 : (14, 1, 15), (2, 10, 12), (2, 10, 12), (2, 17, 19), (17, 2, 19), (13, 6, 19), (8, 13, 18), (3, 5, 8), (3, 8, 11), (3, 9, 12), (6, 4, 10), (4, 7, 11), (7, 4, 11), (1, 15, 16), (6, 12, 18), (5, 9, 14), (5, 13, 18), (14, 9, 16).
 \mathcal{B}_{10} : (1, 4, 5), (1, 6, 7), (11, 8, 19), (1, 12, 13), (4, 2, 6), (14, 2, 16), (15, 2, 17), (9, 3, 12), (8, 11, 19), (13, 9, 17), (12, 3, 15), (17, 3, 19), (14, 4, 18), (6, 5, 11), (10, 5, 15), (7, 9, 16), (10, 8, 18), (14, 7, 18), (10, 13, 16).
 \mathcal{B}_{11} : (14, 14, 11), (1, 2, 3), (15, 7, 17), (1, 18, 19), (18, 1, 19), (11, 2, 13), (12, 7, 19), (8, 9, 17), (13, 2, 15), (5, 3, 8), (13, 3, 16), (4, 5, 9), (10, 4, 14), (11, 4, 15), (7, 5, 12), (6, 10, 16), (12, 6, 18), (10, 6, 16), (9, 8, 17).
 \mathcal{B}_{12} : (1, 10, 11), (6, 7, 13), (1, 14, 15), (17, 1, 18), (9, 2, 11), (12, 2, 14), (2, 18, 19), (6, 3, 9), (8, 6, 14), (7, 8, 15), (10, 3, 13), (16, 3, 19), (8, 4, 12), (9, 4, 13), (15, 4, 19), (11, 5, 16), (16, 5, 18), (12, 5, 17), (7, 10, 17).
 \mathcal{B}_{13} : (11, 7, 18), (9, 6, 15), (7, 6, 13), (14, 5, 19), (9, 5, 14), (8, 5, 13), (1, 16, 17), (1, 8, 9), (10, 2, 12), (17, 4, 18), (16, 4, 19), (4, 6, 10), (11, 3, 14), (8, 3, 11), (7, 3, 10), (18, 2, 19), (16, 1, 17), (2, 13, 15), (12, 12, 15).

(f) An LCTS($45; 1^*3^{14}$) = $(\mathbb{Z}_{45}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{15})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 15$) is listed below:

- \mathcal{B}_1 : (1, 2, 3), (5, 4, 9), (6, 11, 17), (7, 16, 22), (8, 18, 19), (14, 10, 21), (12, 13, 20), (15, 15, 15).
 \mathcal{B}_2 : (21, 21, 3), (19, 19, 7), (17, 17, 11), (13, 13, 19), (11, 11, 22), (9, 9, 18), (7, 7, 14), (2, 6, 8), (9, 16, 20), (8, 12, 20), (1, 1, 2), (5, 5, 10), (3, 3, 6), (14, 15, 16), (13, 15, 17), (12, 15, 18), (10, 14, 21), (10, 12, 22), (6, 2, 8), (18, 4, 22), (4, 16, 20), (1, 4, 5).
 \mathcal{B}_3 : (22, 22, 1), (18, 18, 9), (3, 5, 8), (10, 10, 20), (1, 7, 8), (2, 21, 22), (2, 2, 4), (13, 14, 18), (1, 5, 6), (12, 16, 17), (15, 13, 17), (13, 12, 20), (11, 15, 19), (10, 16, 19), (6, 6, 12), (14, 14, 17), (16, 9, 20), (9, 15, 21), (3, 4, 7), (3, 8, 11), (4, 7, 11), (5, 19, 21), (14, 12, 19), (11, 16, 18), (11, 14, 20), (11, 13, 21), (10, 17, 18), (1, 3, 4), (2, 4, 6), (10, 13, 22), (5, 1, 6), (1, 15, 16), (2, 3, 5), (17, 9, 19), (4, 2, 6), (9, 14, 22), (9, 13, 22), (17, 8, 20), (16, 8, 21), (10, 15, 20), (12, 7, 19), (8, 7, 15), (18, 3, 21), (5, 7, 12).
 \mathcal{B}_4 : (9, 7, 16), (15, 7, 22), (8, 8, 16), (1, 9, 10), (1, 10, 11), (10, 1, 11), (5, 18, 22), (4, 20, 21), (18, 5, 22), (19, 5, 21), (18, 6, 21), (2, 12, 14), (9, 2, 11), (12, 2, 14), (3, 12, 15), (13, 3, 16), (3, 14, 17), (4, 13, 17), (13, 4, 17), (6, 19, 20), (19, 6, 20), (7, 8, 15).
 \mathcal{B}_5 : (7, 9, 16), (11, 8, 19), (20, 4, 21), (9, 10, 19), (14, 13, 18), (7, 1, 8), (1, 12, 13), (12, 1, 13), (16, 4, 20), (5, 16, 21), (17, 5, 22), (7, 2, 9), (8, 2, 10), (10, 2, 12), (3, 11, 14), (11, 3, 14), (15, 3, 18), (15, 4, 19), (15, 5, 20), (6, 17, 22), (17, 6, 22), (6, 18, 21).
 \mathcal{B}_6 : (10, 7, 17), (7, 18, 20), (15, 6, 21), (9, 8, 17), (10, 8, 18), (1, 8, 9), (11, 1, 12), (1, 13, 14), (4, 19, 22), (19, 4, 22), (14, 5, 19), (2, 11, 13), (11, 2, 13), (18, 2, 20), (7, 3, 10), (9, 3, 12), (14, 3, 17), (12, 4, 16), (5, 15, 20), (16, 5, 21), (6, 15, 21), (6, 16, 22).
 \mathcal{B}_7 : (2, 1, 3), (7, 10, 17), (13, 6, 19), (7, 14, 21), (18, 7, 20), (17, 4, 21), (4, 18, 22), (11, 5, 16), (12, 8, 20), (8, 15, 22), (10, 9, 19), (9, 1, 10), (15, 1, 16), (14, 2, 16), (21, 2, 22), (8, 3, 11), (3, 9, 12), (11, 4, 15), (5, 12, 17), (13, 5, 18), (6, 13, 19), (6, 14, 20).
 \mathcal{B}_8 : (3, 1, 4), (17, 3, 20), (4, 6, 10), (8, 13, 21), (8, 11, 19), (8, 10, 18), (12, 5, 17), (14, 6, 20), (16, 6, 22), (15, 2, 17), (2, 13, 15), (3, 2, 5), (20, 1, 21), (15, 14, 16), (16, 10, 19), (14, 9, 22), (13, 9, 22), (12, 9, 21), (7, 12, 19), (11, 7, 18), (7, 11, 18), (4, 1, 5).
 \mathcal{B}_{10} : (4, 12, 16), (14, 7, 21), (4, 15, 19), (4, 17, 21), (5, 6, 11), (10, 5, 15), (5, 13, 18), (10, 3, 13), (1, 11, 12), (11, 9, 20), (8, 17, 20), (6, 3, 9), (3, 6, 9), (19, 2, 21), (16, 2, 18), (2, 10, 12), (1, 18, 19), (16, 1, 17), (14, 8, 22), (8, 14, 22), (7, 15, 22), (13, 7, 20).
 \mathcal{B}_{11} : (12, 3, 15), (3, 13, 16), (17, 7, 21), (3, 19, 22), (4, 14, 18), (6, 5, 11), (9, 5, 14), (6, 10, 16), (4, 4, 8), (12, 10, 22), (11, 10, 21), (6, 12, 18), (2, 16, 18), (13, 2, 15), (5, 2, 7), (19, 1, 20), (1, 19, 20), (13, 1, 14), (9, 11, 20), (15, 8, 22), (8, 9, 17), (7, 17, 21).
 \mathcal{B}_{12} : (3, 15, 18), (3, 16, 19), (15, 10, 20), (4, 5, 9), (14, 4, 18), (8, 5, 13), (5, 11, 16), (6, 1, 7), (8, 6, 14), (13, 10, 22), (10, 11, 21), (4, 3, 7), (20, 2, 22), (2, 18, 20), (11, 12, 22), (17, 2, 19), (1, 14, 15), (1, 6, 7), (16, 12, 17), (9, 17, 19), (9, 12, 21), (13, 8, 21).
 \mathcal{B}_{13} : (19, 3, 22), (3, 20, 22), (6, 4, 10), (7, 4, 11), (4, 8, 12), (2, 19, 21), (5, 3, 8), (12, 6, 18), (4, 10, 14), (4, 9, 13), (20, 3, 22), (16, 3, 19), (6, 7, 13), (9, 6, 15), (3, 10, 13), (2, 9, 11), (2, 8, 10), (1, 20, 21), (17, 1, 18), (12, 14, 19), (14, 11, 20), (15, 9, 21), (8, 16, 21).
 \mathcal{B}_{14} : (16, 7, 22), (15, 11, 19), (16, 11, 18), (12, 12, 21), (20, 20, 5), (10, 4, 14), (8, 1, 9), (11, 6, 17), (7, 6, 13), (2, 7, 9), (5, 8, 13), (14, 1, 15), (17, 10, 18), (21, 1, 22), (2, 15, 17), (2, 19, 21), (5, 3, 8), (12, 6, 18), (4, 10, 14), (4, 9, 13), (20, 3, 22), (16, 3, 19).
 \mathcal{B}_{15} : (7, 13, 20), (18, 8, 19), (13, 11, 21), (1, 16, 17), (18, 1, 19), (1, 21, 22), (5, 10, 15), (5, 9, 14), (6, 8, 14), (7, 5, 12), (4, 11, 15), (2, 14, 16), (2, 17, 19), (12, 11, 22), (2, 20, 22), (3, 7, 10), (10, 6, 16), (6, 9, 15), (9, 4, 13), (8, 4, 12), (3, 18, 21), (3, 17, 20).

(g) An LCTS($51; 1^*3^{16}$) = $(\mathbb{Z}_{51}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{17})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 17$) is listed below:

- \mathcal{B}_1 : (1, 2, 3), (5, 4, 9), (6, 10, 16), (7, 19, 25), (8, 20, 23), (13, 11, 24), (12, 18, 21), (15, 14, 22), (17, 17, 17).
 \mathcal{B}_2 : (25, 25, 1), (23, 23, 5), (21, 21, 9), (19, 19, 13), (15, 15, 21), (13, 13, 25), (11, 11, 22), (3, 4, 7), (9, 9, 18), (7, 7, 14), (5, 5, 10), (3, 3, 6), (1, 1, 2), (2, 6, 8), (16, 17, 18), (15, 17, 19), (14, 17, 20), (12, 16, 23), (11, 18, 22), (10, 14, 24), (10, 12, 22), (8, 16, 24), (8, 12, 20), (20, 4, 24), (2, 4, 6).
 \mathcal{B}_3 : (24, 24, 3), (20, 20, 11), (16, 16, 19), (12, 12, 24), (8, 8, 16), (4, 4, 8), (18, 14, 19), (22, 3, 25), (17, 14, 20), (17, 13, 21), (15, 13, 23), (18, 12, 21), (19, 11, 21), (4, 6, 10), (18, 11, 22), (7, 2, 9), (10, 13, 23), (17, 9, 25), (14, 9, 23), (15, 7, 22), (2, 1, 3), (1, 5, 6), (2, 5, 7), (15, 10, 25), (5, 1, 6).
 \mathcal{B}_4 : (17, 16, 18), (16, 15, 20), (14, 16, 21), (18, 13, 20), (14, 13, 24), (19, 12, 20), (12, 17, 22), (15, 12, 24), (11, 17, 23), (11, 15, 25), (11, 14, 25), (19, 10, 22), (3, 5, 8), (18, 10, 23), (19, 9, 23), (13, 9, 22), (21, 6, 24), (3, 1, 4), (4, 1, 5), (6, 1, 7), (2, 7, 9), (6, 2, 8), (4, 3, 7), (2, 8, 10), (5, 21, 25).
 \mathcal{B}_5 : (12, 9, 21), (10, 11, 21), (14, 15, 22), (10, 8, 18), (9, 8, 17), (7, 10, 17), (8, 7, 15), (4, 23, 24), (19, 5, 24), (11, 6, 17), (6, 9, 15), (7, 6, 13), (11, 1, 12), (12, 1, 13), (13, 1, 14), (14, 2, 16), (5, 20, 25), (2, 16, 18), (16, 2, 18), (19, 3, 22), (3, 20, 23), (21, 3, 24), (19, 4, 23), (22, 4, 25), (20, 5, 25).
 \mathcal{B}_6 : (15, 9, 24), (11, 13, 24), (13, 14, 24), (15, 16, 20), (12, 8, 20), (12, 7, 19), (9, 7, 16), (4, 22, 25), (17, 5, 22), (10, 6, 16), (8, 6, 14), (6, 7, 13), (1, 10, 11), (10, 1, 11), (12, 2, 14), (15, 2, 17), (5, 18, 23), (1, 8, 9), (17, 2, 19), (18, 3, 21), (3, 19, 22), (20, 3, 23), (4, 21, 25), (21, 4, 25), (18, 5, 23).
 \mathcal{B}_7 : (11, 9, 20), (11, 12, 23), (11, 16, 24), (14, 14, 23), (19, 8, 24), (7, 12, 19), (10, 7, 17), (18, 4, 22), (6, 13, 19), (12, 6, 18), (6, 8, 14), (1, 9, 10), (9, 1, 10), (2, 13, 15), (24, 2, 25), (5, 16, 21), (15, 5, 20), (1, 7, 8), (13, 2, 15), (17, 3, 20), (3, 22, 25), (3, 23, 25), (17, 4, 21), (4, 18, 22), (16, 5, 21).
 \mathcal{B}_8 : (9, 13, 22), (11, 10, 21), (12, 10, 22), (8, 21, 22), (8, 9, 17), (21, 7, 23), (16, 4, 20), (13, 5, 18), (20, 7, 24), (16, 7, 23), (6, 11, 17), (6, 6, 12), (8, 1, 9), (1, 24, 25), (24, 1, 25), (10, 2, 12), (5, 14, 19), (11, 2, 13), (23, 2, 25), (14, 3, 17), (3, 15, 18), (15, 3, 18), (15, 4, 19), (4, 16, 20), (14, 5, 19).
 \mathcal{B}_9 : (9, 11, 20), (13, 10, 23), (10, 10, 20), (8, 18, 25), (8, 13, 21), (19, 7, 25), (7, 14, 21), (14, 4, 18), (6, 20, 25), (6, 15, 21), (9, 6, 15), (7, 1, 8), (1, 22, 23), (23, 1, 24), (9, 2, 11), (5, 12, 17), (11, 5, 16), (2, 22, 24), (22, 2, 24), (12, 3, 15), (3, 16, 19), (16, 3, 19), (13, 4, 17), (4, 14, 18), (12, 5, 17).
 \mathcal{B}_{10} : (9, 17, 25), (9, 18, 24), (12, 19, 20), (8, 17, 25), (8, 14, 22), (8, 11, 19), (7, 18, 25), (12, 4, 16), (17, 7, 24), (6, 18, 24), (13, 6, 19), (9, 5, 14), (1, 6, 7), (20, 1, 21), (22, 1, 23), (20, 2, 22), (5, 10, 15), (2, 21, 23), (21, 2, 23), (10, 3, 13), (3, 11, 14), (13, 3, 16), (11, 4, 15), (4, 12, 16), (10, 5, 15).
 \mathcal{B}_{11} : (9, 19, 23), (15, 11, 25), (17, 11, 23), (16, 12, 23), (17, 15, 19), (16, 8, 24), (7, 20, 24), (10, 4, 14), (6, 19, 25), (6, 16, 22), (15, 6, 21), (1, 17, 18), (1, 21, 22), (21, 1, 22), (2, 18, 20), (5, 8, 13), (7, 5, 12), (18, 2, 20), (2, 24, 25), (3, 7, 10), (3, 9, 12), (11, 3, 14), (9, 4, 13), (4, 10, 14), (8, 5, 13).
 \mathcal{B}_{12} : (20, 9, 22), (7, 9, 17, 24), (14, 11, 25), (13, 15, 23), (13, 16, 22), (13, 17, 21), (18, 18, 15), (8, 4, 12), (18, 7, 25), (7, 9, 16), (6, 14, 20), (5, 22, 24), (14, 1, 15), (1, 16, 17), (19, 1, 20), (5, 6, 11), (23, 4, 24), (8, 2, 10), (2, 19, 21), (19, 2, 21), (7, 3, 10), (9, 3, 12), (23, 3, 25), (4, 8, 12), (6, 5, 11).
 \mathcal{B}_{13} : (9, 16, 25), (16, 9, 25), (14, 8, 22), (8, 10, 18), (7, 13, 20), (11, 7, 18), (7, 8, 15), (4, 20, 24), (5, 15, 20), (22, 6, 23), (19, 6, 25), (6, 17, 23), (1, 11, 12), (1, 12, 13), (1, 14, 15), (2, 9, 11), (5, 17, 22), (2, 10, 12), (2, 14, 16), (3, 10, 13), (3, 18, 21), (3, 21, 24), (4, 17, 21), (4, 19, 23), (5, 19, 24).
 \mathcal{B}_{14} : (21, 8, 22), (10, 15, 25), (10, 16, 25), (10, 18, 23), (12, 15, 24), (8, 19, 24), (14, 7, 21), (4, 13, 17), (13, 7, 20), (16, 6, 22), (6, 12, 18), (1, 18, 19), (1, 20, 21), (1, 23, 24), (2, 17, 19), (5, 9, 14), (5, 7, 12), (2, 20, 22), (2, 23, 25), (6, 3, 9), (3, 8, 11), (3, 14, 17), (4, 9, 13), (4, 11, 15), (5, 11, 16).
 \mathcal{B}_{15} : (9, 12, 21), (9, 14, 23), (9, 15, 24), (14, 10, 24), (10, 20, 21), (16, 11, 24), (13, 12, 25), (6, 4, 10), (13, 18, 20), (16, 14, 21), (22, 22, 7), (18, 8, 25), (17, 8, 25), (6, 22, 23), (17, 6, 23), (4, 7, 11), (16, 1, 17), (18, 1, 19), (1, 19, 20), (2, 3, 5), (5, 2, 7), (2, 11, 13), (5, 3, 8), (3, 12, 15), (4, 15, 19).
 \mathcal{B}_{16} : (7, 4, 11), (5, 13, 18), (3, 17, 20), (3, 13, 16), (2, 15, 17), (2, 12, 14), (4, 2, 6), (9, 20, 22), (1, 3, 4), (1, 15, 16), (1, 13, 14), (16, 10, 25), (21, 5, 25), (22, 5, 24), (18, 6, 24), (6, 21, 24), (10, 9, 19), (7, 11, 18), (7, 21, 23), (11, 8, 19), (15, 8, 23), (20, 8, 23), (17, 12, 22), (12, 14, 25), (9, 10, 19).
 \mathcal{B}_{17} : (4, 5, 9), (8, 3, 11), (3, 6, 9), (3, 2, 5), (17, 1, 18), (15, 1, 16), (1, 4, 5), (20, 10, 21), (10, 19, 22), (14, 6, 20), (20, 6, 25), (7, 15, 22), (7, 16, 23), (7, 17, 24), (13, 8, 21), (8, 15, 23), (17, 10, 24), (2, 2, 4), (14, 18, 19), (16, 13, 22), (14, 12, 25), (12, 13, 25), (11, 19, 21), (12, 11, 23), (18, 9, 24).
- (h) An $LCTS(57; 1^*3^{18}) = (\mathbb{Z}_{57}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{19})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 19$) is listed below:
- \mathcal{B}_1 : (1, 2, 3), (5, 4, 9), (6, 7, 13), (8, 18, 26), (10, 20, 27), (11, 21, 25), (12, 22, 23), (15, 14, 28), (16, 17, 24), (19, 19, 19).
 \mathcal{B}_2 : (1, 1, 2), (19, 11, 27), (3, 3, 6), (4, 4, 8), (5, 5, 10), (6, 6, 12), (7, 7, 14), (8, 8, 16), (2, 23, 25), (3, 26, 28), (9, 9, 18), (10, 10, 20), (11, 11, 22), (12, 12, 24), (13, 13, 26), (2, 5, 7), (15, 15, 27), (4, 26, 27), (9, 23, 25), (16, 16, 25), (17, 17, 23), (18, 18, 21), (20, 20, 17), (21, 21, 15), (22, 22, 13), (28, 28, 1), (14, 19, 24), (19, 14, 24).
 \mathcal{B}_3 : (23, 23, 11), (20, 15, 22), (25, 25, 7), (26, 26, 5), (17, 18, 22), (2, 1, 3), (1, 3, 4), (27, 27, 3), (8, 16, 24), (1, 4, 5), (2, 4, 6), (24, 24, 9), (5, 2, 7), (7, 6, 13), (6, 8, 14), (18, 19, 20), (9, 8, 17), (9, 20, 28), (12, 16, 28), (10, 11, 21), (11, 10, 21), (10, 12, 22), (12, 13, 25), (19, 17, 21), (15, 19, 23), (13, 18, 26), (14, 15, 28), (14, 16, 27).
 \mathcal{B}_4 : (3, 1, 4), (17, 19, 21), (1, 5, 6), (2, 3, 5), (18, 11, 28), (2, 6, 8), (3, 7, 10), (2, 22, 24), (4, 19, 23), (1, 20, 21), (7, 8, 15), (8, 7, 15), (12, 20, 25), (10, 9, 19), (9, 11, 20), (11, 12, 23), (5, 22, 27), (4, 24, 28), (6, 21, 27), (13, 12, 25), (13, 14, 27), (13, 15, 28), (14, 17, 26), (14, 18, 25), (18, 16, 23), (9, 22, 26), (10, 16, 26), (17, 16, 24).
 \mathcal{B}_5 : (5, 1, 6), (15, 18, 24), (6, 1, 7), (3, 2, 5), (11, 17, 28), (2, 8, 10), (3, 5, 8), (4, 23, 27), (9, 7, 16), (24, 7, 26), (3, 8, 11), (4, 9, 13), (13, 21, 23), (4, 10, 14), (10, 19, 28), (16, 20, 21), (19, 13, 25), (2, 24, 26), (6, 19, 25), (11, 14, 25), (12, 14, 26), (12, 15, 27), (12, 17, 28), (15, 20, 22), (18, 17, 22), (1, 22, 23), (9, 18, 27), (20, 16, 21).
 \mathcal{B}_6 : (1, 7, 8), (21, 12, 24), (1, 8, 9), (7, 2, 9), (20, 10, 27), (5, 14, 19), (3, 10, 13), (18, 5, 23), (6, 17, 23), (25, 6, 26), (11, 20, 26), (3, 11, 14), (15, 9, 24), (4, 12, 16), (12, 4, 16), (22, 8, 27), (17, 11, 28), (7, 15, 22), (21, 10, 26), (14, 5, 19), (16, 6, 22), (13, 17, 27), (1, 18, 19), (18, 2, 20), (23, 2, 25), (25, 4, 28), (3, 21, 24), (15, 13, 28).
 \mathcal{B}_7 : (8, 1, 9), (17, 12, 28), (9, 1, 10), (6, 2, 8), (19, 9, 28), (2, 11, 13), (11, 15, 26), (10, 22, 25), (4, 20, 24), (8, 20, 28), (7, 23, 27), (4, 3, 7), (11, 3, 14), (4, 13, 17), (5, 7, 12), (14, 21, 22), (12, 5, 17), (25, 5, 27), (18, 15, 24), (6, 13, 19), (6, 16, 22), (15, 16, 26), (21, 2, 23), (16, 18, 23), (1, 19, 20), (3, 24, 27), (18, 14, 25), (10, 21, 26).
 \mathcal{B}_8 : (1, 10, 11), (21, 11, 25), (1, 11, 12), (10, 2, 12), (18, 13, 26), (2, 13, 15), (5, 3, 8), (1, 17, 18), (26, 3, 28), (7, 20, 27), (6, 3, 9), (4, 5, 9), (13, 4, 17), (4, 14, 18), (14, 20, 23), (8, 6, 14), (22, 10, 25), (6, 24, 27), (5, 24, 28), (7, 16, 23), (15, 17, 25), (12, 19, 26), (16, 19, 22), (7, 21, 28), (2, 20, 22), (9, 21, 27), (16, 8, 24), (19, 15, 23).
 \mathcal{B}_9 : (11, 1, 12), (23, 7, 27), (12, 1, 13), (9, 2, 11), (4, 11, 15), (2, 14, 16), (17, 10, 27), (1, 25, 26), (2, 26, 28), (6, 23, 28), (7, 3, 10), (3, 14, 17), (14, 3, 17), (4, 6, 10), (4, 15, 19), (24, 8, 25), (5, 15, 20), (22, 12, 23), (7, 18, 25), (5, 16, 21), (16, 5, 21), (9, 19, 28), (18, 6, 24), (8, 22, 27), (8, 13, 21), (22, 9, 26), (13, 20, 24), (19, 18, 20).
 \mathcal{B}_{10} : (1, 13, 14), (20, 14, 23), (1, 14, 15), (13, 2, 15), (19, 10, 28), (2, 16, 18), (8, 3, 11), (2, 27, 28), (3, 23, 26), (17, 9, 26), (9, 3, 12), (6, 4, 10), (4, 7, 11), (7, 4, 11), (18, 7, 25), (5, 17, 22), (12, 21, 24), (23, 8, 26), (21, 8, 28), (17, 5, 22), (6, 10, 16), (5, 25, 27), (9, 15, 24), (20, 13, 24), (19, 6, 25), (20, 1, 21), (12, 18, 27), (19, 16, 22).
 \mathcal{B}_{11} : (14, 1, 15), (1, 15, 16), (15, 1, 16), (12, 2, 14), (20, 9, 28), (2, 17, 19), (3, 17, 20), (24, 3, 27), (5, 18, 23), (6, 25, 26), (19, 7, 26), (3, 18, 21), (4, 8, 12), (8, 4, 12), (4, 18, 22), (16, 10, 26), (6, 5, 11), (23, 9, 25), (13, 11, 24),

(8, 5, 13), (13, 6, 19), (10, 23, 24), (21, 7, 28), (22, 7, 28), (21, 9, 27), (20, 2, 22), (14, 11, 25), (10, 17, 27).

B_{12} : (1, 16, 17), (19, 4, 23), (17, 1, 18), (16, 2, 18), (8, 9, 17), (2, 19, 21), (3, 12, 15), (11, 2, 13), (25, 1, 26), (7, 24, 26), (12, 3, 15), (3, 19, 22), (14, 13, 27), (10, 4, 14), (11, 4, 15), (12, 10, 22), (5, 9, 14), (7, 9, 16), (11, 13, 24), (5, 20, 25), (20, 5, 25), (21, 6, 27), (22, 6, 28), (23, 6, 28), (20, 7, 27), (18, 8, 26), (23, 10, 24), (8, 21, 28).

B_{13} : (18, 1, 19), (8, 15, 23), (6, 22, 28), (15, 2, 17), (7, 1, 8), (22, 2, 24), (3, 13, 16), (2, 25, 27), (21, 3, 24), (26, 4, 27), (12, 7, 19), (17, 14, 26), (14, 4, 18), (10, 18, 28), (4, 17, 21), (11, 22, 24), (5, 10, 15), (6, 14, 20), (7, 13, 20), (5, 21, 26), (11, 16, 27), (3, 6, 9), (12, 11, 23), (13, 19, 25), (23, 5, 28), (1, 9, 10), (8, 12, 20), (16, 9, 25).

B_{14} : (21, 1, 22), (22, 1, 23), (14, 14, 28), (19, 2, 21), (11, 7, 18), (25, 2, 27), (15, 3, 18), (7, 10, 17), (10, 13, 23), (1, 6, 7), (16, 3, 19), (16, 4, 20), (8, 23, 26), (24, 2, 26), (10, 5, 15), (13, 5, 18), (22, 11, 24), (9, 4, 13), (15, 5, 20), (9, 12, 21), (16, 14, 27), (8, 17, 25), (3, 9, 12), (4, 25, 28), (19, 12, 26), (24, 6, 27), (20, 8, 28), (6, 11, 17).

B_{15} : (23, 1, 24), (1, 24, 25), (9, 10, 19), (26, 2, 28), (27, 2, 28), (18, 3, 21), (3, 20, 23), (7, 17, 24), (17, 8, 25), (14, 9, 23), (2, 10, 12), (4, 21, 25), (4, 22, 26), (22, 4, 26), (7, 12, 19), (5, 11, 16), (11, 5, 16), (13, 7, 20), (17, 13, 27), (22, 5, 27), (10, 8, 18), (16, 12, 28), (8, 11, 19), (9, 6, 15), (14, 6, 20), (6, 15, 21), (3, 15, 18), (13, 1, 14).

B_{16} : (1, 26, 27), (26, 1, 27), (9, 16, 25), (3, 22, 25), (12, 8, 20), (23, 3, 26), (20, 4, 24), (11, 8, 19), (9, 13, 22), (2, 2, 4), (17, 2, 19), (24, 4, 28), (5, 19, 24), (10, 15, 25), (6, 9, 15), (10, 6, 16), (5, 23, 28), (1, 12, 13), (7, 14, 21), (10, 7, 17), (17, 3, 20), (14, 7, 21), (15, 8, 23), (12, 6, 18), (16, 11, 27), (5, 13, 18), (11, 18, 28), (21, 14, 22).

B_{17} : (27, 1, 28), (3, 25, 28), (9, 14, 23), (19, 5, 24), (14, 8, 22), (6, 12, 18), (11, 19, 27), (10, 1, 11), (16, 15, 26), (3, 4, 7), (17, 6, 23), (20, 12, 25), (2, 18, 20), (15, 7, 22), (17, 7, 24), (20, 11, 26), (24, 5, 28), (13, 9, 22), (13, 10, 23), (13, 8, 21), (14, 2, 16), (15, 6, 21), (3, 16, 19), (9, 17, 26), (21, 4, 25), (18, 12, 27), (4, 1, 5), (8, 2, 10).

B_{18} : (20, 6, 26), (10, 3, 13), (8, 19, 27), (15, 12, 27), (18, 4, 22), (6, 18, 24), (17, 4, 21), (2, 7, 9), (9, 5, 14), (2, 21, 23), (2, 12, 14), (5, 6, 11), (18, 10, 28), (15, 11, 26), (19, 8, 27), (7, 19, 26), (13, 3, 16), (8, 14, 22), (25, 3, 28), (4, 16, 20), (11, 9, 20), (24, 1, 25), (21, 13, 23), (15, 10, 25), (16, 1, 17), (1, 23, 24), (5, 12, 17), (7, 22, 28).

B_{19} : (18, 9, 27), (7, 5, 12), (1, 27, 28), (7, 11, 18), (19, 3, 22), (5, 8, 13), (8, 10, 18), (4, 2, 6), (22, 3, 25), (11, 6, 17), (13, 16, 28), (6, 20, 26), (15, 4, 19), (2, 9, 11), (21, 5, 26), (19, 1, 20), (8, 24, 25), (16, 7, 23), (23, 4, 27), (16, 13, 28), (12, 9, 21), (20, 3, 23), (10, 14, 24), (2, 15, 17), (17, 15, 25), (1, 21, 22), (14, 12, 26), (14, 10, 24).

(i) An LCTS(63; $1^3 2^{30}$) = $(Z_{63}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{21})$, the set of difference triples B_i of \mathcal{A}_i ($1 \leq i \leq 21$) is listed below:

B_1 : (2, 1, 3), (4, 5, 9), (7, 6, 13), (8, 16, 24), (10, 23, 30), (11, 20, 31), (12, 25, 26), (14, 22, 27), (19, 15, 29), (17, 18, 28), (21, 21, 21).

B_2 : (1, 1, 2), (2, 2, 4), (3, 3, 6), (4, 4, 8), (5, 5, 10), (6, 6, 12), (24, 1, 25), (8, 8, 16), (16, 15, 31), (9, 9, 18), (10, 10, 20), (11, 11, 22), (12, 12, 24), (13, 13, 26), (14, 14, 28), (15, 15, 30), (21, 11, 31), (17, 17, 29), (18, 18, 27), (19, 19, 25), (20, 20, 23), (7, 22, 29), (23, 23, 17), (13, 21, 29), (16, 21, 26), (19, 9, 28), (24, 3, 27), (5, 28, 30), (7, 25, 31), (7, 26, 30), (22, 14, 27).

B_3 : (25, 25, 13), (26, 26, 11), (27, 27, 9), (28, 28, 7), (29, 29, 5), (26, 9, 28), (12, 19, 31), (19, 14, 30), (1, 3, 4), (3, 1, 4), (24, 9, 30), (2, 4, 6), (2, 5, 7), (20, 16, 27), (5, 6, 11), (15, 8, 23), (12, 21, 30), (6, 7, 13), (16, 16, 31), (11, 12, 23), (10, 8, 18), (20, 21, 22), (21, 13, 29), (18, 20, 25), (10, 14, 24), (22, 10, 31), (17, 22, 24), (1, 18, 19), (2, 15, 17), (3, 14, 17), (8, 15, 23).

B_4 : (1, 4, 5), (4, 1, 5), (1, 5, 6), (21, 20, 22), (13, 24, 26), (13, 22, 28), (15, 9, 24), (9, 8, 17), (19, 16, 28), (4, 2, 6), (20, 14, 29), (2, 7, 9), (10, 20, 30), (21, 17, 25), (7, 3, 10), (8, 25, 30), (3, 8, 11), (15, 12, 27), (22, 12, 29), (16, 19, 28), (15, 17, 31), (12, 11, 23), (11, 13, 24), (14, 18, 31), (18, 14, 31), (16, 18, 29), (6, 21, 27), (19, 7, 26), (2, 25, 27), (3, 23, 26), (23, 10, 30).

B_5 : (5, 1, 6), (1, 6, 7), (22, 17, 24), (22, 2, 24), (3, 2, 5), (7, 2, 9), (8, 3, 11), (4, 8, 12), (20, 17, 26), (8, 4, 12), (3, 28, 31), (9, 10, 19), (10, 11, 21), (11, 10, 21), (22, 16, 25), (21, 19, 23), (18, 19, 26), (12, 13, 25), (16, 17, 30), (23, 9, 31), (16, 20, 27), (14, 15, 29), (14, 24, 25), (29, 1, 30), (18, 15, 30), (14, 13, 27), (4, 28, 31), (18, 5, 23), (6, 20, 26), (7, 27, 29), (13, 15, 28).

B_6 : (1, 7, 8), (7, 1, 8), (30, 30, 3), (25, 11, 27), (2, 9, 11), (9, 2, 11), (19, 18, 26), (8, 27, 28), (3, 10, 13), (10, 3, 13), (14, 20, 29), (4, 6, 10), (4, 12, 16), (12, 4, 16), (5, 12, 17), (22, 22, 19), (5, 13, 18), (23, 16, 24), (14, 6, 20), (17, 21, 25), (9, 20, 29), (14, 21, 28), (17, 15, 31), (15, 19, 29), (15, 23, 25), (27, 1, 28), (2, 22, 24), (5, 26, 31), (6, 26, 31), (7, 23, 30), (18, 21, 24).

B_7 : (8, 1, 9), (1, 9, 10), (19, 20, 24), (23, 14, 26), (6, 2, 8), (2, 8, 10), (15, 21, 27), (6, 24, 30), (3, 4, 7), (4, 3, 7), (11, 22, 30), (4, 13, 17), (5, 7, 12), (21, 15, 27), (13, 5, 18), (11, 17, 28), (6, 12, 18), (15, 16, 31), (22, 18, 23), (21, 16, 26), (16, 22, 25), (14, 17, 31), (1, 28, 29), (3, 26, 29), (9, 19, 28), (24, 10, 29), (19, 11, 30), (13, 14, 27), (2, 23, 25), (5, 20, 25), (12, 20, 31).

B_8 : (1, 10, 11), (10, 1, 11), (1, 11, 12), (12, 22, 29), (2, 12, 14), (19, 21, 23), (17, 14, 31), (20, 19, 24), (5, 3, 8), (3, 6, 9), (5, 4, 9), (9, 4, 13), (13, 4, 17), (16, 8, 24), (15, 6, 21), (21, 18, 24), (27, 7, 29), (20, 18, 25), (7, 15, 22), (16, 7, 23), (22, 15, 26), (8, 20, 28), (17, 13, 30), (18, 16, 29), (26, 10, 27), (28, 2, 30), (2, 30, 31), (3, 25, 28), (5, 27, 31), (6, 19, 25), (14, 23, 26).

B_9 : (11, 1, 12), (1, 12, 13), (16, 14, 30), (24, 11, 28), (2, 14, 16), (20, 12, 31), (21, 9, 30), (14, 3, 17), (3, 15, 18), (6, 4, 10), (4, 7, 11), (4, 15, 19), (10, 24, 29), (5, 16, 21), (8, 19, 27), (5, 17, 22), (6, 17, 23), (7, 18, 25), (18, 7, 25), (22, 8, 30), (19, 8, 27), (26, 6, 31), (9, 26, 28), (10, 26, 27), (20, 9, 29), (1, 23, 24), (2, 13, 15), (2, 21, 23), (3, 29, 31), (20, 5, 25), (22, 13, 28).

B_{10} : (1, 13, 14), (13, 1, 14), (14, 1, 15), (10, 25, 28), (10, 2, 12), (9, 21, 30), (24, 12, 27), (15, 3, 18), (3, 16, 19), (7, 4, 11), (4, 16, 20), (16, 4, 20), (12, 23, 28), (17, 5, 22), (25, 9, 29), (5, 19, 24), (6, 11, 17), (17, 6, 23), (7, 19, 26), (22, 9, 31), (18, 8, 26), (8, 22, 30), (21, 10, 31), (13, 23, 27), (20, 15, 28), (26, 3, 29), (30, 2, 31), (6, 18, 24), (8, 21, 29), (5, 2, 7), (11, 25, 27).

B_{11} : (1, 15, 16), (15, 1, 16), (1, 25, 26), (15, 20, 28), (2, 17, 19), (20, 11, 31), (11, 7, 18), (3, 18, 21), (18, 3, 21), (4, 10, 14), (10, 4, 14), (4, 19, 23), (12, 10, 22), (5, 8, 13), (5, 23, 28), (8, 5, 13), (6, 8, 14), (13, 6, 19), (20, 6, 26), (11, 21, 31), (23, 7, 30), (9, 24, 30), (22, 7, 29), (9, 22, 31), (3, 24, 27), (12, 17, 29), (9, 25, 29), (17, 16, 30), (25, 2, 27), (2, 26, 28), (12, 24, 27).

B_{12} : (16, 1, 17), (1, 17, 18), (9, 3, 12), (18, 12, 30), (2, 19, 21), (19, 2, 21), (15, 18, 30), (12, 3, 15), (3, 13, 16), (4, 11, 15), (19, 4, 23), (4, 20, 24), (7, 20, 27), (9, 5, 14), (9, 13, 22), (5, 21, 26), (8, 6, 14), (6, 22, 28), (22, 6, 28), (11, 14, 25), (7, 13, 20), (24, 7, 31), (10, 17, 27), (25, 8, 30), (23, 11, 29), (10, 16, 26), (23, 1, 24), (2, 29, 31), (27, 5, 31), (8, 26, 29), (25, 10, 28).

B_{13} : (18, 1, 19), (1, 19, 20), (17, 12, 29), (13, 17, 30), (18, 2, 20), (27, 8, 28), (13, 18, 31), (3, 21, 24), (21, 3, 24), (11, 4, 15), (4, 22, 26), (22, 4, 26), (26, 1, 27), (5, 11, 16), (5, 10, 15), (5, 22, 27), (6, 9, 15), (11, 6, 17), (6, 23, 29), (21, 8, 29), (7, 12, 19), (13, 7, 20), (14, 16, 30), (9, 16, 25), (14, 10, 24), (2, 28, 30), (25, 3, 28), (25, 7, 31), (8, 23, 31), (9, 14, 23), (2, 10, 12).

B_{14} : (1, 20, 21), (10, 18, 28), (14, 11, 25), (1, 26, 27), (2, 20, 22), (17, 2, 19), (20, 7, 27), (21, 2, 23), (23, 3, 26), (4, 14, 18), (8, 9, 17), (4, 17, 21), (28, 3, 31), (5, 24, 29), (11, 19, 30), (24, 5, 29), (9, 6, 15), (15, 10, 25), (12, 6, 18), (11, 15, 26), (12, 7, 19), (10, 22, 31), (13, 3, 16), (13, 16, 29), (4, 24, 28), (6, 27, 30), (7, 9, 16), (5, 25, 30), (8, 14, 22), (23, 8, 31), (12, 1, 13).

B_{15} : (22, 1, 23), (12, 18, 30), (12, 16, 28), (7, 8, 15), (20, 2, 22), (2, 24, 26), (4, 9, 13),
(24, 8, 31), (17, 3, 20), (19, 10, 29), (25, 1, 26), (17, 4, 21), (4, 21, 25), (5, 14, 19), (24, 13, 26),
(16, 5, 21), (23, 5, 28), (11, 3, 14), (23, 6, 29), (27, 6, 30), (7, 11, 18), (30, 1, 31), (12, 15, 27),
(9, 11, 20), (18, 10, 28), (19, 13, 31), (2, 6, 8), (15, 14, 29), (3, 22, 25), (9, 7, 16), (17, 10, 27).
 B_{16} : (28, 1, 29), (5, 9, 14), (31, 31, 1), (26, 2, 28), (23, 15, 25), (3, 20, 23), (18, 4, 22),
(3, 11, 14), (16, 10, 26), (15, 2, 17), (16, 12, 28), (20, 4, 24), (1, 29, 30), (4, 18, 22), (10, 19, 29),
(21, 5, 26), (18, 6, 24), (11, 2, 13), (21, 6, 27), (25, 6, 31), (7, 5, 12), (7, 17, 24), (8, 7, 15),
(9, 12, 21), (8, 11, 19), (3, 27, 30), (14, 8, 22), (10, 13, 23), (16, 9, 25), (17, 19, 27), (20, 13, 30).
 B_{17} : (27, 2, 29), (11, 23, 29), (27, 3, 30), (1, 30, 31), (3, 19, 22), (21, 4, 25), (4, 23, 27),
(24, 4, 28), (5, 15, 20), (10, 15, 25), (12, 14, 26), (6, 16, 22), (6, 13, 19), (1, 8, 9), (8, 10, 18),
(25, 12, 26), (14, 7, 21), (15, 7, 22), (17, 7, 24), (23, 12, 28), (2, 18, 20), (13, 8, 21), (18, 13, 31),
(14, 5, 19), (29, 2, 31), (11, 24, 28), (9, 17, 26), (20, 10, 30), (1, 16, 17), (6, 3, 9), (11, 5, 16).
 B_{18} : (23, 4, 27), (4, 25, 29), (25, 4, 29), (22, 5, 27), (3, 17, 20), (28, 5, 30), (24, 6, 30),
(6, 25, 31), (6, 28, 29), (17, 1, 18), (14, 19, 30), (7, 24, 31), (12, 8, 20), (1, 2, 3), (7, 7, 14),
(8, 13, 21), (18, 22, 23), (8, 18, 26), (10, 9, 19), (12, 9, 21), (14, 12, 26), (10, 21, 31), (17, 11, 28),
(2, 11, 13), (15, 5, 20), (9, 1, 10), (13, 2, 15), (15, 22, 26), (16, 11, 27), (16, 23, 24), (16, 3, 19).
 B_{19} : (4, 26, 30), (4, 27, 31), (12, 5, 17), (28, 6, 29), (10, 7, 17), (7, 16, 23), (8, 17, 25),
(3, 7, 10), (8, 2, 10), (6, 5, 11), (1, 22, 23), (1, 21, 22), (13, 20, 30), (6, 15, 21), (15, 11, 26),
(9, 15, 24), (16, 2, 18), (9, 18, 27), (25, 5, 30), (19, 1, 20), (21, 14, 28), (18, 9, 27), (19, 3, 22),
(24, 14, 25), (28, 4, 31), (26, 8, 29), (20, 3, 23), (16, 13, 29), (12, 2, 14), (19, 12, 31), (13, 11, 24).
 B_{20} : (27, 4, 31), (6, 10, 16), (29, 4, 30), (13, 9, 22), (17, 9, 26), (10, 12, 22), (19, 6, 25),
(1, 14, 15), (11, 16, 27), (15, 13, 28), (11, 8, 19), (18, 17, 28), (26, 5, 31), (2, 3, 5), (8, 12, 20),
(29, 3, 31), (6, 1, 7), (14, 9, 23), (22, 3, 25), (24, 24, 15), (19, 5, 24), (26, 4, 30), (23, 13, 27),
(20, 1, 21), (7, 10, 17), (11, 18, 29), (21, 12, 30), (20, 8, 28), (23, 2, 25), (2, 16, 18), (7, 14, 21).
 B_{21} : (14, 4, 18), (16, 6, 22), (21, 1, 22), (5, 18, 23), (13, 12, 25), (24, 2, 26), (8, 24, 31), (2, 27, 29),
(19, 17, 27), (7, 21, 28), (1, 24, 25), (3, 5, 8), (11, 9, 20), (13, 10, 23), (1, 27, 28), (4, 29, 30),
(18, 11, 29), (9, 23, 31), (6, 14, 20), (22, 11, 30), (15, 4, 19), (10, 5, 15), (14, 2, 16), (3, 12, 15)
(26, 7, 30), (13, 19, 31), (10, 6, 16), (3, 9, 12), (21, 7, 28), (17, 8, 25), (17, 20, 26).
(j) An LCTS(69; 1^{*322}) = $(\mathbb{Z}_{69}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{23})$, the set of difference triples B_i of \mathcal{A}_i ($1 \leq i \leq 23$) is listed below:
 B_1 : (1, 2, 3), (5, 4, 9), (6, 7, 13), (8, 12, 20), (10, 24, 34), (11, 26, 32), (14, 27, 28), (15, 25, 29), (16, 22, 31),
(19, 17, 33), (18, 21, 30), (23, 23, 23).
 B_2 : (1, 1, 2), (2, 2, 4), (3, 3, 6), (4, 4, 8), (5, 5, 10), (6, 6, 12), (7, 7, 14), (8, 8, 16), (31, 5, 33), (33, 33, 3),
(9, 9, 18), (10, 10, 20), (11, 11, 22), (12, 12, 24), (13, 13, 26), (23, 14, 32), (15, 15, 30), (30, 30, 9),
(16, 16, 32), (7, 28, 34), (18, 23, 28), (19, 19, 31), (20, 20, 29), (21, 21, 27), (22, 22, 25), (13, 23, 33),
(24, 24, 21), (25, 25, 19), (26, 26, 17), (27, 27, 15), (29, 29, 11), (33, 1, 34), (28, 3, 31), (17, 17, 34), (14, 18, 32).
 B_3 : (28, 28, 13), (31, 31, 7), (32, 32, 5), (34, 34, 1), (2, 1, 3), (1, 3, 4), (2, 4, 6), (26, 11, 32),
(4, 2, 6), (5, 6, 11), (5, 7, 12), (18, 18, 33), (7, 8, 15), (22, 21, 26), (8, 9, 17), (19, 24, 26), (10, 29, 30),
(9, 8, 17), (14, 14, 28), (23, 21, 25), (11, 10, 21), (10, 12, 22), (12, 13, 25), (20, 22, 27), (13, 14, 27),
(15, 16, 31), (15, 19, 34), (16, 23, 30), (24, 16, 29), (23, 17, 29), (19, 20, 30), (9, 18, 27), (20, 24, 25).
 B_4 : (3, 1, 4), (1, 4, 5), (4, 1, 5), (2, 3, 5), (2, 6, 8), (6, 2, 8), (3, 6, 9), (22, 20, 27), (7, 30, 32), (18, 20, 31),
(24, 19, 26), (9, 7, 16), (21, 11, 32), (10, 13, 23), (13, 10, 23), (22, 14, 33), (14, 21, 34), (11, 13, 24),
(11, 14, 25), (29, 10, 30), (15, 26, 28), (16, 15, 31), (18, 22, 29), (25, 15, 29), (18, 17, 34), (17, 19, 33),
(17, 20, 32), (25, 16, 28), (7, 21, 28), (8, 19, 27), (9, 24, 33), (12, 27, 30), (12, 23, 34), (12, 26, 31).
 B_5 : (1, 5, 6), (19, 21, 29), (26, 14, 29), (2, 7, 9), (7, 2, 9), (3, 8, 11), (8, 3, 11), (1, 29, 30), (3, 28, 31), (6, 27, 33),
(4, 8, 12), (4, 9, 13), (4, 10, 14), (12, 21, 33), (12, 20, 32), (26, 16, 27), (14, 10, 24), (23, 18, 28),
(5, 1, 6), (13, 11, 24), (15, 20, 34), (24, 20, 25), (15, 22, 32), (16, 18, 34), (18, 25, 26), (17, 22, 30),
(21, 17, 31), (23, 16, 30), (19, 15, 34), (2, 17, 19), (5, 22, 27), (10, 28, 31), (7, 25, 32), (23, 13, 33).
 B_6 : (6, 1, 7), (8, 30, 31), (25, 17, 27), (17, 23, 29), (2, 9, 11), (22, 16, 31), (6, 3, 9), (28, 8, 33), (10, 26, 33),
(14, 26, 29), (10, 3, 13), (4, 11, 15), (4, 12, 16), (12, 4, 16), (5, 12, 17), (5, 13, 18), (11, 25, 33),
(5, 14, 19), (24, 18, 27), (6, 14, 20), (3, 32, 34), (19, 18, 32), (23, 20, 26), (19, 9, 28), (13, 21, 34),
(1, 7, 8), (15, 24, 30), (10, 22, 32), (20, 21, 28), (1, 21, 22), (2, 23, 25), (2, 29, 31), (7, 27, 34), (24, 15, 30).
 B_7 : (1, 8, 9), (8, 1, 9), (1, 28, 29), (23, 22, 24), (18, 15, 33), (2, 5, 7), (29, 9, 31), (8, 2, 10), (2, 30, 32), (5, 20, 25),
(16, 19, 34), (3, 4, 7), (3, 11, 14), (11, 3, 14), (16, 26, 27), (21, 23, 25), (24, 10, 34), (26, 13, 30),
(17, 21, 31), (11, 4, 15), (4, 13, 17), (12, 5, 17), (6, 12, 18), (12, 6, 18), (22, 19, 28), (27, 10, 32),
(25, 13, 31), (16, 24, 29), (15, 21, 33), (20, 14, 34), (19, 22, 28), (27, 6, 33), (30, 7, 32), (20, 23, 26).
 B_8 : (9, 1, 10), (1, 10, 11), (11, 16, 27), (25, 10, 34), (2, 12, 14), (12, 24, 33), (21, 9, 30), (2, 32, 34), (25, 18, 26),
(4, 3, 7), (3, 5, 8), (5, 3, 8), (28, 7, 34), (8, 28, 33), (4, 5, 9), (13, 4, 17), (29, 2, 31), (17, 12, 29),
(7, 6, 13), (14, 6, 20), (6, 15, 21), (22, 18, 29), (16, 20, 33), (19, 23, 27), (15, 23, 31), (18, 19, 32),
(22, 15, 32), (21, 22, 26), (23, 19, 27), (16, 14, 30), (24, 17, 28), (11, 20, 31), (1, 24, 25), (13, 26, 30).
 B_9 : (1, 11, 12), (11, 1, 12), (30, 1, 31), (9, 25, 34), (19, 16, 34), (7, 29, 33), (2, 13, 15), (2, 26, 28), (17, 24, 28),
(2, 14, 16), (25, 12, 32), (7, 3, 10), (3, 14, 17), (10, 23, 33), (4, 14, 18), (4, 15, 19), (24, 13, 32), (30, 8, 31),
(15, 4, 19), (5, 16, 21), (5, 17, 22), (5, 18, 23), (6, 18, 24), (20, 6, 26), (20, 9, 29), (21, 6, 27),
(7, 20, 27), (23, 9, 32), (3, 25, 28), (21, 8, 29), (8, 22, 30), (11, 27, 31), (26, 10, 33), (22, 13, 34).
 B_{10} : (12, 1, 13), (10, 9, 19), (13, 1, 14), (20, 13, 33), (2, 10, 12), (24, 2, 26), (29, 1, 30), (16, 3, 19), (6, 30, 33),
(3, 15, 18), (22, 23, 24), (18, 14, 32), (4, 6, 10), (22, 12, 34), (7, 4, 11), (6, 5, 11), (4, 25, 29), (7, 26, 33),
(5, 15, 20), (16, 5, 21), (7, 17, 24), (28, 9, 32), (27, 8, 34), (8, 17, 25), (17, 8, 25), (27, 11, 31),
(21, 20, 28), (21, 19, 29), (26, 2, 28), (27, 3, 30), (9, 22, 31), (18, 16, 34), (14, 23, 32), (23, 15, 31).
 B_{11} : (1, 14, 15), (14, 1, 15), (1, 15, 16), (2, 16, 18), (22, 2, 24), (17, 2, 19), (3, 24, 27), (29, 5, 34), (9, 12, 21),
(3, 9, 12), (11, 23, 34), (28, 11, 30), (4, 22, 26), (18, 12, 30), (6, 25, 31), (23, 8, 31), (5, 27, 32), (13, 16, 29),
(8, 5, 13), (4, 7, 11), (21, 3, 24), (6, 19, 25), (28, 10, 31), (7, 19, 26), (21, 7, 28), (13, 20, 33),
(23, 6, 29), (8, 18, 26), (20, 17, 32), (25, 9, 34), (10, 17, 27), (20, 10, 30), (4, 32, 33), (14, 22, 33).
 B_{12} : (15, 1, 16), (1, 16, 17), (16, 1, 17), (13, 2, 15), (2, 15, 17), (2, 18, 20), (8, 26, 34), (24, 3, 27), (4, 26, 30),
(11, 28, 30), (21, 14, 34), (3, 18, 21), (13, 24, 32), (19, 3, 22), (20, 18, 31), (10, 25, 34), (4, 27, 31), (8, 20, 28),
(4, 19, 23), (13, 12, 25), (27, 9, 33), (7, 5, 12), (5, 9, 14), (9, 5, 14), (6, 22, 28), (21, 10, 31),
(6, 23, 29), (6, 24, 30), (19, 7, 26), (29, 8, 32), (25, 11, 33), (29, 7, 33), (22, 10, 32), (12, 11, 23).
 B_{13} : (1, 17, 18), (17, 1, 18), (1, 18, 19), (15, 2, 17), (2, 19, 21), (19, 2, 21), (3, 12, 15), (3, 26, 29), (20, 5, 25),
(12, 3, 15), (14, 11, 25), (4, 16, 20), (8, 4, 12), (20, 4, 24), (11, 24, 34), (13, 25, 31), (5, 30, 34), (6, 31, 32),
(23, 5, 28), (26, 9, 34), (8, 6, 14), (22, 6, 28), (27, 13, 29), (7, 22, 29), (7, 22, 30), (8, 13, 21),
(7, 24, 31), (23, 10, 33), (9, 27, 33), (9, 28, 32), (10, 16, 26), (10, 27, 32), (11, 22, 33), (14, 16, 30).
 B_{14} : (18, 1, 19), (1, 19, 20), (19, 1, 20), (2, 20, 22), (2, 21, 23), (21, 2, 23), (13, 3, 16), (30, 6, 33), (25, 8, 33),

(14, 3, 17), (25, 14, 30), (14, 4, 18), (10, 18, 28), (4, 23, 27), (13, 27, 29), (30, 3, 33), (8, 27, 34), (12, 25, 32), (5, 11, 16), (9, 26, 34), (6, 10, 16), (6, 11, 17), (17, 7, 24), (22, 7, 29), (24, 7, 31), (5, 29, 34), (8, 24, 32), (26, 12, 31), (15, 11, 26), (5, 10, 15), (15, 13, 28), (12, 9, 21), (4, 28, 32), (22, 9, 31).

\mathcal{B}_{15} : (1, 20, 21), (20, 1, 21), (21, 1, 22), (12, 16, 28), (16, 13, 29), (25, 2, 27), (17, 3, 20), (10, 4, 14), (8, 25, 33), (3, 23, 26), (5, 8, 13), (4, 18, 22), (23, 7, 30), (24, 11, 34), (12, 18, 30), (24, 9, 33), (16, 10, 26), (8, 23, 31), (14, 5, 19), (10, 19, 29), (5, 31, 33), (11, 6, 17), (2, 25, 27), (7, 12, 19), (6, 9, 15), (27, 14, 28), (11, 18, 29), (9, 15, 24), (15, 7, 22), (32, 2, 34), (3, 31, 34), (28, 4, 32), (6, 26, 32), (17, 13, 30).

\mathcal{B}_{16} : (1, 22, 23), (22, 1, 23), (1, 23, 24), (17, 14, 31), (27, 2, 29), (28, 2, 30), (3, 21, 24), (2, 33, 34), (9, 10, 19), (22, 3, 25), (25, 3, 28), (4, 17, 21), (17, 4, 21), (7, 9, 16), (15, 5, 20), (9, 6, 15), (11, 5, 16), (27, 12, 30), (19, 13, 32), (15, 12, 27), (28, 12, 29), (26, 6, 32), (20, 16, 33), (26, 8, 34), (11, 7, 18), (13, 18, 31), (26, 7, 33), (8, 11, 19), (8, 29, 32), (14, 20, 34), (5, 25, 30), (10, 14, 24), (6, 4, 10), (18, 13, 31).

\mathcal{B}_{17} : (24, 1, 25), (16, 25, 28), (26, 1, 27), (13, 17, 30), (31, 2, 33), (33, 2, 34), (29, 6, 34), (18, 8, 26), (19, 11, 30), (20, 3, 23), (26, 3, 29), (6, 16, 22), (4, 21, 25), (27, 4, 31), (5, 19, 24), (19, 5, 24), (22, 17, 30), (15, 18, 33), (15, 14, 29), (15, 6, 21), (27, 5, 32), (10, 7, 17), (11, 12, 23), (3, 7, 10), (14, 7, 21), (13, 22, 34), (16, 12, 28), (20, 12, 32), (9, 14, 23), (9, 4, 13), (20, 8, 28), (10, 8, 18), (1, 31, 32), (9, 2, 11).

\mathcal{B}_{18} : (27, 1, 28), (1, 30, 31), (17, 16, 33), (12, 28, 29), (29, 3, 32), (21, 4, 25), (32, 3, 34), (16, 17, 33), (23, 4, 27), (26, 4, 30), (18, 5, 23), (21, 5, 26), (26, 5, 31), (23, 2, 25), (25, 6, 31), (11, 19, 30), (15, 3, 18), (6, 29, 34), (12, 10, 22), (7, 14, 21), (12, 22, 34), (7, 13, 20), (13, 7, 20), (8, 16, 24), (17, 15, 32), (2, 11, 13), (19, 8, 27), (14, 19, 33), (1, 9, 10), (6, 8, 14), (11, 9, 20), (2, 22, 24), (15, 9, 24), (18, 10, 28).

\mathcal{B}_{19} : (31, 1, 32), (2, 24, 26), (1, 33, 34), (5, 28, 33), (16, 9, 25), (4, 30, 34), (30, 4, 34), (20, 7, 27), (13, 8, 21), (5, 24, 29), (6, 17, 23), (17, 6, 23), (31, 6, 32), (7, 18, 25), (18, 7, 25), (10, 5, 15), (3, 27, 30), (13, 19, 32), (28, 1, 29), (12, 17, 29), (18, 2, 20), (3, 13, 16), (3, 19, 22), (12, 14, 26), (10, 11, 21), (21, 15, 33), (9, 19, 28), (9, 11, 20), (24, 14, 31), (15, 8, 23), (22, 4, 26), (10, 2, 12), (16, 11, 27), (8, 14, 22).

\mathcal{B}_{20} : (23, 1, 24), (17, 11, 28), (11, 8, 19), (14, 12, 26), (16, 7, 23), (25, 5, 30), (13, 9, 22), (25, 1, 26), (3, 10, 13), (19, 14, 33), (24, 6, 30), (28, 6, 34), (12, 8, 20), (30, 2, 32), (20, 15, 34), (19, 4, 23), (5, 2, 7), (16, 4, 20), (14, 8, 22), (24, 12, 33), (15, 10, 25), (31, 4, 34), (3, 29, 32), (18, 9, 27), (9, 29, 31), (1, 26, 27), (21, 16, 32), (18, 3, 21), (6, 21, 27), (13, 15, 28), (17, 5, 22), (7, 10, 17), (2, 31, 33), (18, 11, 29).

\mathcal{B}_{21} : (32, 4, 33), (3, 22, 25), (21, 12, 33), (18, 4, 22), (24, 5, 29), (7, 11, 18), (1, 27, 28), (10, 1, 11), (14, 24, 31), (16, 6, 22), (9, 23, 32), (5, 23, 28), (11, 2, 13), (19, 10, 29), (8, 15, 23), (9, 3, 12), (9, 17, 26), (3, 17, 20), (6, 20, 26), (13, 6, 19), (21, 13, 34), (16, 8, 24), (17, 18, 34), (10, 21, 31), (25, 4, 29), (14, 25, 30), (12, 15, 27), (5, 26, 31), (27, 7, 34), (1, 32, 33), (20, 19, 30), (14, 2, 16), (2, 28, 30), (8, 7, 15).

\mathcal{B}_{22} : (17, 10, 27), (9, 21, 30), (2, 8, 10), (19, 6, 25), (20, 11, 31), (6, 13, 19), (9, 20, 29), (8, 10, 18), (5, 21, 26), (11, 21, 32), (26, 15, 28), (28, 5, 33), (22, 5, 27), (14, 17, 31), (1, 25, 26), (23, 11, 34), (14, 15, 29), (7, 16, 23), (1, 12, 13), (25, 7, 32), (1, 6, 7), (3, 30, 33), (22, 8, 30), (3, 16, 19), (16, 2, 18), (18, 24, 27), (15, 17, 32), (31, 3, 34), (24, 4, 28), (12, 2, 14), (4, 29, 33), (4, 20, 24), (9, 13, 22), (23, 12, 34).

\mathcal{B}_{23} : (30, 5, 34), (17, 9, 26), (18, 6, 24), (7, 15, 22), (17, 25, 27), (13, 5, 18), (20, 2, 22), (14, 9, 23), (19, 12, 31), (24, 8, 32), (7, 1, 8), (11, 17, 28), (6, 28, 34), (11, 15, 26), (16, 21, 32), (9, 16, 25), (8, 21, 29), (3, 20, 23), (1, 13, 14), (10, 6, 16), (23, 3, 26), (4, 31, 34), (14, 13, 27), (12, 19, 31), (10, 15, 25), (21, 18, 30), (29, 4, 33), (2, 27, 29), (4, 24, 28), (10, 20, 30), (3, 2, 5), (12, 7, 19), (22, 11, 33), (32, 1, 33).

(k) An $\text{LCTS}(75; 1*3^{24}) = (\mathbb{Z}_{75}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{25})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 25$) is listed below:

\mathcal{B}_1 : (2, 1, 3), (4, 5, 9), (7, 6, 13), (8, 10, 18), (11, 23, 34), (12, 27, 36), (14, 26, 35), (15, 29, 31), (16, 21, 37), (28, 17, 30), (19, 24, 32), (22, 20, 33), (25, 25, 25).

\mathcal{B}_2 : (1, 1, 2), (2, 2, 4), (7, 25, 32), (4, 4, 8), (5, 5, 10), (6, 6, 12), (7, 7, 14), (8, 8, 16), (31, 31, 13), (1, 33, 34), (9, 9, 18), (10, 10, 20), (11, 11, 22), (12, 12, 24), (13, 13, 26), (14, 14, 28), (15, 15, 30), (3, 22, 25), (3, 33, 36), (16, 16, 32), (17, 17, 34), (18, 18, 36), (19, 19, 37), (20, 20, 35), (21, 21, 33), (32, 5, 37), (3, 35, 37), (6, 34, 35), (23, 23, 29), (24, 24, 27), (26, 26, 23), (27, 27, 21), (28, 28, 19), (29, 29, 17), (30, 30, 15), (9, 22, 31), (11, 25, 36).

\mathcal{B}_3 : (32, 32, 11), (33, 33, 9), (34, 34, 7), (35, 35, 5), (25, 5, 30), (37, 37, 1), (1, 2, 3), (20, 24, 31), (26, 20, 29), (1, 3, 4), (14, 30, 31), (4, 2, 6), (6, 24, 30), (5, 7, 12), (22, 22, 31), (7, 8, 15), (19, 4, 23), (2, 27, 29), (3, 26, 29), (8, 9, 17), (9, 8, 17), (10, 11, 21), (10, 12, 22), (10, 13, 23), (12, 13, 25), (13, 14, 27), (6, 14, 20), (11, 28, 36), (25, 23, 27), (15, 28, 32), (16, 17, 33), (16, 18, 34), (16, 19, 35), (18, 19, 37), (18, 21, 36), (15, 24, 36), (21, 26, 28).

\mathcal{B}_4 : (3, 1, 4), (1, 4, 5), (4, 1, 5), (2, 3, 5), (26, 10, 36), (21, 23, 31), (3, 6, 9), (25, 24, 26), (30, 6, 36), (10, 29, 36), (8, 7, 15), (7, 9, 16), (9, 7, 16), (25, 20, 30), (12, 10, 22), (33, 8, 34), (11, 12, 23), (22, 21, 32), (2, 33, 35), (21, 22, 32), (14, 13, 27), (13, 15, 28), (14, 16, 30), (14, 17, 31), (20, 27, 28), (15, 17, 32), (6, 28, 34), (8, 33, 34), (19, 27, 29), (17, 18, 35), (19, 18, 37), (20, 18, 37), (19, 25, 31), (12, 11, 23), (24, 2, 26), (11, 29, 35), (13, 24, 37).

\mathcal{B}_5 : (1, 5, 6), (5, 1, 6), (1, 6, 7), (3, 2, 5), (19, 10, 29), (18, 28, 29), (3, 8, 11), (8, 3, 11), (33, 2, 35), (7, 28, 35), (4, 8, 12), (4, 9, 13), (4, 10, 14), (11, 27, 37), (10, 14, 24), (23, 20, 32), (24, 21, 30), (7, 32, 36), (22, 9, 31), (26, 13, 36), (22, 25, 28), (12, 14, 26), (12, 15, 27), (24, 25, 26), (20, 21, 34), (15, 16, 31), (9, 29, 37), (13, 22, 35), (16, 15, 31), (17, 16, 33), (27, 18, 30), (23, 19, 33), (21, 17, 37), (18, 23, 34), (2, 32, 34), (19, 17, 36), (20, 25, 30).

\mathcal{B}_6 : (6, 1, 7), (1, 7, 8), (7, 1, 8), (2, 8, 10), (24, 13, 37), (11, 30, 34), (6, 3, 9), (3, 10, 13), (27, 5, 32), (23, 9, 32), (10, 3, 13), (4, 11, 15), (20, 19, 36), (15, 26, 34), (5, 12, 17), (19, 16, 35), (5, 14, 19), (31, 11, 33), (2, 24, 26), (14, 6, 20), (28, 18, 29), (23, 22, 30), (18, 22, 35), (22, 17, 36), (25, 21, 29), (23, 21, 31), (2, 35, 37), (9, 25, 34), (16, 14, 30), (17, 15, 32), (28, 16, 31), (27, 20, 28), (24, 18, 33), (4, 21, 25), (4, 29, 33), (12, 26, 37), (27, 12, 36).

\mathcal{B}_7 : (1, 8, 9), (8, 1, 9), (1, 9, 10), (2, 5, 7), (26, 21, 28), (8, 2, 10), (3, 4, 7), (3, 11, 14), (2, 31, 33), (5, 27, 32), (11, 3, 14), (4, 6, 10), (11, 4, 15), (29, 12, 34), (6, 12, 18), (12, 21, 33), (25, 13, 37), (5, 30, 35), (25, 7, 32), (24, 19, 32), (27, 13, 35), (19, 26, 30), (17, 14, 31), (15, 18, 33), (15, 19, 34), (16, 20, 36), (24, 22, 29), (18, 17, 35), (20, 16, 36), (21, 16, 37), (20, 26, 29), (28, 13, 34), (23, 24, 28), (22, 23, 30), (31, 6, 37), (17, 22, 36), (23, 25, 27).

\mathcal{B}_8 : (9, 1, 10), (1, 10, 11), (10, 1, 11), (2, 11, 13), (18, 26, 31), (12, 2, 14), (4, 3, 7), (3, 5, 8), (17, 12, 29), (6, 26, 32), (5, 3, 8), (5, 4, 9), (21, 24, 30), (28, 12, 35), (6, 9, 15), (15, 27, 33), (7, 14, 21), (2, 23, 25), (6, 33, 36), (8, 27, 35), (21, 13, 34), (19, 15, 34), (18, 16, 34), (16, 22, 37), (22, 16, 37), (18, 20, 37), (25, 22, 28), (30, 13, 32), (14, 29, 32), (17, 23, 35), (17, 25, 33), (19, 20, 36), (24, 23, 28), (24, 20, 31), (4, 27, 31), (29, 7, 36), (26, 19, 30).

\mathcal{B}_9 : (1, 11, 12), (11, 1, 12), (1, 12, 13), (11, 2, 13), (21, 5, 26), (22, 19, 34), (3, 7, 10), (13, 17, 30), (30, 5, 35), (7, 22, 29), (3, 14, 17), (24, 9, 33), (4, 14, 18), (17, 26, 32), (5, 15, 20), (27, 15, 33), (6, 31, 37), (2, 30, 32), (23, 16, 36), (25, 16, 34), (14, 23, 37), (7, 18, 25), (8, 18, 26), (8, 19, 27), (19, 8, 27), (33, 3, 36), (4, 24, 28), (9, 20, 29), (9, 31, 35), (16, 28, 31), (2, 22, 24), (21, 25, 29), (34, 6, 35), (6, 4, 10), (28, 10, 37), (21, 15, 36), (20, 23, 32).

\mathcal{B}_{10} : (12, 1, 13), (1, 13, 14), (20, 15, 35), (2, 10, 12), (10, 2, 12), (8, 26, 34), (3, 15, 18), (4, 32, 36), (29, 6, 35), (20, 22, 33), (3, 16, 19), (4, 7, 11), (7, 4, 11), (5, 23, 28), (5, 17, 22), (16, 26, 33), (27, 17, 31), (22, 24, 29), (2, 21, 23), (30, 9, 36), (7, 23, 30), (6, 18, 24), (13, 1, 14), (8, 20, 28), (15, 25, 35), (8, 21, 29), (14, 5, 19), (24, 17, 34), (21, 9, 30), (9, 28, 37), (25, 19, 31), (10, 27, 37), (26, 11, 37), (18, 25, 32), (31, 3, 34), (16, 27, 32), (33, 6, 36).

\mathcal{B}_{11} : (1, 14, 15), (14, 1, 15), (25, 6, 31), (10, 20, 30), (16, 2, 18), (2, 17, 19), (3, 9, 12), (29, 9, 37), (22, 6, 28), (7, 29, 36), (9, 3, 12), (14, 3, 17), (21, 11, 32), (4, 13, 17), (4, 18, 22), (13, 16, 29), (5, 8, 13), (30, 11, 34), (2, 26, 28), (4, 26, 30),

- (5, 19, 24), (11, 21, 32), (23, 12, 35), (6, 19, 25), (18, 24, 33), (27, 7, 34), (24, 16, 35), (21, 20, 34),
(20, 7, 27), (1, 31, 32), (10, 25, 35), (15, 23, 37), (23, 10, 33), (28, 8, 36), (5, 33, 37), (8, 31, 36), (26, 22, 27).
 B_{12} : (15, 1, 16), (1, 16, 17), (16, 1, 17), (21, 18, 36), (13, 29, 33), (9, 30, 36), (2, 18, 20), (13, 2, 15), (21, 2, 23),
(3, 18, 21), (3, 19, 22), (19, 3, 22), (10, 4, 14), (4, 19, 23), (4, 20, 24), (5, 32, 37), (28, 7, 35), (28, 15, 32),
(8, 5, 13), (12, 5, 17), (6, 8, 14), (20, 6, 26), (27, 9, 36), (27, 14, 34), (23, 7, 30), (7, 24, 31), (25, 10, 35), (12, 29, 34),
(25, 9, 34), (24, 8, 32), (10, 28, 37), (11, 26, 37), (29, 11, 35), (30, 12, 33), (6, 25, 31), (11, 31, 33), (22, 26, 27).
 B_{13} : (1, 17, 18), (16, 24, 35), (1, 18, 19), (15, 2, 17), (27, 11, 37), (19, 2, 21), (3, 12, 15), (16, 25, 34), (1, 29, 30), (23, 2, 25),
(12, 3, 15), (3, 13, 16), (10, 26, 36), (32, 10, 33), (20, 4, 24), (9, 5, 14), (4, 34, 37), (4, 35, 36), (5, 21, 26),
(5, 22, 27), (8, 6, 14), (6, 22, 28), (31, 9, 35), (6, 23, 29), (24, 7, 31), (19, 11, 30), (21, 10, 31), (26, 7, 33),
(22, 11, 33), (25, 18, 32), (8, 29, 37), (9, 14, 23), (8, 28, 36), (7, 20, 27), (13, 28, 34), (12, 20, 32), (17, 13, 30).
 B_{14} : (18, 1, 19), (23, 13, 36), (19, 1, 20), (13, 20, 33), (14, 9, 23), (2, 25, 27), (13, 3, 16), (2, 34, 36), (3, 17, 20),
(19, 21, 35), (3, 21, 24), (31, 12, 32), (9, 27, 36), (4, 22, 26), (24, 11, 35), (12, 31, 32), (5, 28, 33), (26, 7, 33),
(10, 5, 15), (5, 11, 16), (9, 6, 15), (10, 6, 16), (6, 11, 17), (22, 12, 34), (7, 30, 37), (30, 7, 37), (8, 15, 23), (10, 18, 28),
(4, 25, 29), (26, 8, 34), (30, 8, 37), (14, 18, 32), (25, 4, 29), (22, 2, 24), (1, 28, 29), (17, 27, 31), (7, 26, 33).
 B_{15} : (1, 20, 21), (16, 12, 28), (1, 21, 22), (31, 10, 34), (29, 8, 37), (25, 2, 27), (16, 3, 19), (11, 19, 30), (35, 1, 36),
(5, 9, 14), (3, 23, 26), (14, 4, 18), (4, 23, 27), (23, 4, 27), (2, 7, 9), (21, 12, 33), (20, 13, 33), (2, 29, 31), (17, 3, 20),
(13, 5, 18), (19, 5, 24), (11, 6, 17), (15, 14, 29), (24, 6, 30), (25, 17, 33), (26, 6, 32), (18, 8, 26), (8, 32, 35),
(7, 31, 37), (24, 10, 34), (32, 7, 36), (30, 10, 35), (15, 22, 37), (28, 11, 36), (12, 22, 34), (9, 16, 25), (15, 13, 28).
 B_{16} : (21, 1, 22), (12, 16, 28), (22, 1, 23), (15, 3, 18), (27, 2, 29), (2, 28, 30), (3, 20, 23), (1, 35, 36), (33, 5, 37),
(10, 8, 18), (3, 24, 27), (17, 4, 21), (24, 4, 28), (26, 4, 30), (20, 12, 32), (14, 20, 34), (6, 32, 37), (31, 8, 36),
(5, 25, 30), (11, 5, 16), (19, 6, 25), (6, 27, 33), (7, 10, 17), (10, 7, 17), (7, 11, 18), (19, 12, 31), (16, 13, 29),
(29, 15, 31), (9, 2, 11), (14, 25, 36), (32, 9, 34), (24, 14, 37), (13, 8, 21), (26, 15, 34), (19, 23, 33), (22, 13, 35), (9, 26, 35).
 B_{17} : (1, 23, 24), (12, 23, 35), (1, 24, 25), (26, 9, 35), (16, 11, 27), (30, 2, 32), (14, 24, 37), (32, 2, 34), (26, 5, 31),
(17, 1, 18), (25, 3, 28), (18, 4, 22), (5, 16, 21), (27, 4, 31), (29, 10, 36), (10, 32, 33), (8, 17, 25), (34, 3, 37),
(29, 5, 34), (9, 4, 13), (11, 20, 31), (15, 20, 35), (27, 6, 33), (11, 7, 18), (7, 12, 19), (16, 29, 30), (6, 15, 21),
(12, 7, 19), (17, 28, 30), (8, 13, 21), (10, 9, 19), (14, 28, 33), (22, 15, 37), (2, 6, 8), (20, 3, 23), (14, 22, 36), (13, 26, 36).
 B_{18} : (24, 1, 25), (1, 25, 26), (12, 6, 18), (2, 15, 17), (8, 11, 19), (35, 2, 37), (10, 23, 33), (12, 19, 31), (17, 7, 24),
(19, 9, 28), (14, 15, 29), (4, 28, 32), (21, 3, 24), (13, 23, 36), (4, 30, 34), (5, 18, 23), (28, 3, 31), (5, 31, 36),
(25, 1, 26), (11, 22, 33), (11, 18, 29), (16, 6, 22), (6, 29, 35), (3, 27, 30), (13, 7, 20), (34, 2, 36), (10, 16, 26),
(14, 7, 21), (12, 8, 20), (14, 8, 22), (27, 16, 32), (9, 21, 30), (9, 32, 34), (5, 10, 15), (20, 17, 37), (13, 27, 35), (4, 33, 37).
 B_{19} : (1, 26, 27), (26, 1, 27), (18, 12, 30), (19, 22, 34), (36, 2, 37), (26, 3, 29), (3, 28, 31), (9, 13, 22), (1, 32, 33),
(18, 11, 29), (24, 3, 27), (11, 17, 28), (9, 10, 19), (13, 10, 23), (4, 31, 35), (31, 4, 35), (29, 14, 32), (10, 15, 25),
(17, 21, 37), (20, 5, 25), (5, 34, 36), (18, 6, 24), (32, 6, 37), (2, 20, 22), (28, 14, 33), (12, 30, 33), (30, 4, 34),
(7, 16, 23), (2, 14, 16), (15, 8, 23), (16, 8, 24), (17, 8, 25), (9, 11, 20), (6, 7, 13), (15, 21, 36), (7, 5, 12), (21, 19, 35).
 B_{20} : (28, 1, 29), (29, 1, 30), (25, 8, 33), (18, 15, 33), (29, 3, 32), (3, 32, 35), (26, 2, 28), (13, 9, 22), (2, 19, 21),
(32, 4, 36), (13, 25, 37), (34, 4, 37), (17, 5, 22), (26, 12, 37), (34, 5, 36), (16, 7, 23), (35, 4, 36), (12, 18, 30),
(6, 16, 22), (7, 19, 26), (14, 2, 16), (19, 14, 33), (11, 9, 20), (23, 8, 31), (8, 12, 20), (7, 27, 34), (18, 13, 31),
(9, 15, 24), (17, 6, 23), (6, 21, 27), (14, 10, 24), (10, 17, 27), (11, 24, 35), (1, 30, 31), (3, 25, 28), (15, 5, 20), (11, 10, 21).
 B_{21} : (30, 1, 31), (32, 1, 33), (7, 13, 20), (26, 14, 35), (3, 34, 37), (10, 21, 31), (17, 20, 37), (30, 3, 33), (12, 28, 35),
(28, 6, 34), (18, 14, 32), (8, 24, 32), (8, 4, 12), (22, 5, 27), (24, 15, 36), (5, 13, 18), (8, 22, 30), (2, 9, 11),
(17, 11, 28), (16, 9, 25), (16, 4, 20), (24, 5, 29), (10, 19, 29), (27, 19, 29), (19, 7, 26), (2, 36, 37), (13, 18, 31),
(16, 23, 36), (33, 1, 34), (11, 14, 25), (21, 6, 27), (9, 12, 21), (23, 17, 35), (2, 4, 6), (15, 10, 25), (15, 7, 22), (23, 3, 26).
 B_{22} : (1, 34, 35), (26, 16, 33), (23, 14, 37), (5, 24, 29), (33, 7, 35), (6, 17, 23), (31, 2, 33), (36, 1, 37), (14, 12, 26),
(1, 15, 16), (18, 9, 27), (5, 6, 11), (20, 2, 22), (3, 29, 32), (3, 3, 6), (9, 19, 28), (13, 12, 25), (17, 10, 27), (17, 19, 36),
(8, 14, 22), (20, 10, 30), (9, 23, 32), (25, 11, 36), (4, 15, 19), (7, 21, 28), (28, 4, 32), (22, 8, 30), (21, 8, 29),
(5, 26, 31), (13, 21, 34), (4, 12, 16), (10, 24, 34), (18, 2, 20), (25, 15, 35), (11, 13, 24), (18, 27, 30), (31, 7, 37).
 B_{23} : (10, 30, 35), (7, 15, 22), (32, 3, 35), (9, 24, 33), (25, 14, 36), (1, 27, 28), (7, 33, 35), (22, 14, 36), (5, 20, 25),
(22, 4, 26), (30, 37), (29, 2, 31), (17, 2, 19), (6, 2, 8), (23, 6, 29), (16, 5, 21), (18, 10, 28), (29, 13, 33),
(31, 1, 32), (17, 24, 34), (31, 5, 36), (13, 30, 32), (18, 3, 21), (23, 15, 37), (12, 25, 37), (15, 4, 19), (27, 1, 28),
(7, 3, 10), (11, 16, 27), (17, 9, 26), (20, 14, 34), (11, 8, 19), (13, 11, 24), (23, 18, 34), (12, 9, 21), (6, 20, 26), (12, 4, 16).
 B_{24} : (28, 2, 30), (29, 4, 33), (9, 18, 27), (36, 36, 3), (4, 16, 20), (7, 17, 24), (14, 21, 35), (23, 5, 28), (15, 6, 21),
(34, 1, 35), (23, 11, 34), (26, 18, 31), (12, 17, 29), (30, 14, 31), (5, 2, 7), (22, 3, 25), (13, 19, 32), (8, 25, 33),
(13, 4, 17), (27, 10, 37), (22, 7, 29), (10, 22, 32), (15, 9, 24), (11, 15, 26), (1, 19, 20), (28, 9, 37), (16, 10, 26),
(6, 13, 19), (3, 30, 33), (8, 23, 31), (24, 12, 36), (14, 27, 34), (25, 12, 37), (20, 1, 21), (32, 8, 35), (2, 16, 18), (6, 5, 11).
 B_{25} : (22, 18, 35), (1, 36, 37), (29, 16, 30), (4, 17, 21), (26, 17, 32), (14, 19, 33), (2, 13, 15), (2, 12, 14), (35, 3, 37),
(27, 3, 30), (12, 24, 36), (22, 10, 32), (18, 5, 23), (21, 4, 25), (15, 11, 26), (20, 8, 28), (18, 7, 25), (27, 8, 35),
(10, 31, 34), (33, 4, 37), (9, 17, 26), (13, 6, 19), (20, 11, 31), (21, 7, 28), (15, 12, 27), (6, 30, 36), (23, 1, 24),
(6, 10, 16), (8, 16, 24), (19, 13, 32), (14, 11, 25), (5, 29, 34), (3, 31, 34), (7, 2, 9), (28, 5, 33), (1, 22, 23), (20, 9, 29).
(1) An $LCTS(81; 1^*3^{26}) = (\mathbb{Z}_{81}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{27})$, the set of difference triples B_i of \mathcal{A}_i ($1 \leq i \leq 27$) is listed below:
 B_1 : (1, 2, 3), (5, 4, 9), (6, 7, 13), (10, 8, 18), (11, 19, 30), (12, 28, 40), (14, 29, 38),
(15, 31, 35), (16, 32, 33), (17, 25, 39), (24, 20, 37), (21, 26, 34), (23, 22, 36), (27, 27, 27).
 B_2 : (1, 1, 2), (2, 2, 4), (3, 3, 6), (4, 4, 8), (5, 5, 10), (6, 6, 12), (27, 9, 36), (8, 8, 16), (7, 35, 39), (31, 31, 19), (32, 32, 17),
(9, 9, 18), (10, 10, 20), (27, 11, 38), (12, 12, 24), (13, 13, 26), (14, 14, 28), (15, 15, 30), (33, 33, 15), (37, 37, 7),
(16, 16, 32), (17, 17, 34), (18, 18, 36), (22, 19, 40), (20, 20, 40), (21, 21, 39), (22, 22, 37), (11, 25, 36), (1, 34, 35), (5, 14, 19),
(23, 23, 35), (24, 24, 33), (38, 3, 40), (26, 26, 29), (28, 28, 25), (29, 29, 23), (30, 30, 21), (11, 31, 39), (7, 27, 34), (13, 25, 38).
 B_3 : (34, 34, 13), (24, 28, 29), (36, 36, 9), (38, 38, 5), (39, 39, 3), (40, 40, 1), (2, 1, 3), (20, 24, 37), (26, 20, 35),
(1, 3, 4), (2, 4, 6), (4, 2, 6), (19, 27, 35), (5, 6, 11), (5, 7, 12), (7, 8, 15), (21, 28, 32), (16, 17, 33), (8, 7, 15), (13, 31, 37),
(18, 26, 37), (9, 10, 19), (10, 11, 21), (28, 23, 30), (27, 24, 30), (12, 13, 25), (27, 23, 31), (14, 32, 35), (10, 19, 29), (11, 22, 33),
(14, 15, 29), (8, 9, 17), (14, 16, 30), (23, 26, 32), (17, 16, 33), (18, 21, 39), (18, 22, 40), (20, 25, 36), (12, 31, 38), (22, 25, 34).
 B_4 : (3, 1, 4), (1, 4, 5), (22, 20, 39), (2, 3, 5), (2, 6, 8), (26, 27, 28), (3, 6, 9), (7, 9, 16), (30, 13, 38), (30, 14, 37),
(9, 7, 16), (7, 10, 17), (8, 10, 18), (11, 10, 21), (11, 12, 23), (12, 11, 23), (8, 36, 37), (6, 27, 33), (15, 28, 38), (33, 1, 34),
(31, 18, 32), (13, 15, 28), (15, 14, 29), (16, 14, 30), (23, 24, 34), (17, 18, 35), (24, 26, 31), (12, 24, 36), (2, 32, 34), (4, 37, 40),
(29, 20, 32), (20, 19, 39), (25, 21, 35), (29, 21, 31), (19, 22, 40), (22, 26, 33), (25, 13, 38), (25, 17, 39), (5, 36, 40), (27, 19, 35).
 B_5 : (1, 5, 6), (5, 1, 6), (24, 21, 36), (3, 2, 5), (2, 7, 9), (25, 26, 30), (3, 8, 11), (8, 3, 11), (21, 22, 38), (25, 23, 33),
(4, 8, 12), (4, 9, 13), (23, 18, 40), (19, 20, 39), (20, 17, 37), (12, 10, 22), (28, 13, 40), (2, 33, 35), (15, 17, 32), (1, 28, 29),
(11, 13, 24), (12, 14, 26), (20, 27, 34), (27, 25, 29), (14, 17, 31), (15, 16, 31), (16, 15, 31), (6, 26, 32), (30, 4, 34), (35, 7, 39),
(7, 36, 38), (22, 23, 36), (16, 18, 34), (24, 19, 38), (28, 9, 37), (21, 18, 39), (19, 29, 33), (10, 30, 40), (27, 10, 37), (32, 14, 35).
 B_6 : (6, 1, 7), (1, 7, 8), (24, 22, 35), (2, 8, 10), (2, 9, 11), (32, 16, 33), (6, 3, 9), (3, 10, 13), (21, 24, 36), (21, 29, 31),
(10, 3, 13), (4, 11, 15), (23, 25, 33), (12, 4, 16), (5, 12, 17), (5, 13, 18), (12, 30, 39), (23, 21, 37), (1, 39, 40), (37, 2, 39),
(6, 14, 20), (17, 15, 32), (14, 26, 40), (28, 19, 34), (15, 18, 33), (18, 16, 34), (17, 19, 36), (9, 28, 37), (4, 25, 29), (5, 35, 40),

(27, 26, 28), (22, 29, 30), (27, 22, 32), (20, 11, 31), (19, 24, 38), (20, 23, 38), (8, 35, 38), (14, 31, 36), (27, 7, 34), (26, 25, 30).
B₇: (1, 8, 9), (8, 1, 9), (23, 27, 31), (2, 5, 7), (5, 2, 7), (23, 10, 33), (3, 4, 7), (3, 11, 14), (20, 26, 35), (26, 21, 34),
 (11, 3, 14), (4, 6, 10), (24, 15, 39), (12, 5, 17), (6, 12, 18), (12, 6, 18), (25, 19, 37), (10, 33, 38), (35, 1, 36), (2, 38, 40),
 (24, 27, 30), (25, 22, 34), (19, 28, 34), (15, 13, 28), (26, 23, 32), (16, 13, 29), (17, 14, 31), (11, 32, 38), (4, 35, 39), (8, 21, 29),
 (30, 20, 31), (28, 16, 37), (18, 15, 33), (24, 16, 40), (20, 21, 40), (17, 22, 39), (29, 22, 30), (13, 32, 36), (9, 27, 36), (19, 25, 37).
B₈: (9, 1, 10), (1, 10, 11), (18, 27, 36), (2, 11, 13), (28, 24, 29), (11, 27, 38), (4, 3, 7), (3, 5, 8), (16, 26, 39), (31, 17, 33),
 (5, 3, 8), (4, 5, 9), (8, 4, 12), (7, 6, 13), (6, 9, 15), (6, 13, 19), (25, 24, 32), (21, 19, 40), (1, 31, 32), (2, 27, 29),
 (21, 20, 40), (15, 19, 34), (15, 20, 35), (23, 28, 30), (16, 22, 38), (22, 16, 38), (25, 14, 39), (17, 30, 34), (7, 28, 35), (10, 34, 37),
 (21, 14, 35), (22, 17, 39), (26, 24, 31), (18, 23, 40), (2, 23, 25), (12, 33, 36), (14, 30, 37), (26, 18, 37), (33, 12, 36), (20, 29, 32).
B₉: (1, 11, 12), (2, 12, 14), (31, 13, 37), (11, 2, 13), (26, 22, 33), (28, 15, 38), (3, 7, 10), (39, 1, 40), (29, 9, 38), (26, 13, 39),
 (7, 3, 10), (30, 17, 34), (6, 4, 10), (4, 14, 18), (4, 15, 19), (5, 15, 20), (5, 16, 21), (7, 30, 37), (30, 2, 32), (33, 3, 36),
 (16, 5, 21), (6, 17, 23), (17, 6, 23), (24, 25, 32), (8, 18, 26), (8, 19, 27), (19, 8, 27), (9, 32, 40), (34, 12, 35), (25, 16, 40),
 (9, 20, 29), (24, 23, 34), (22, 24, 35), (28, 20, 33), (31, 14, 36), (22, 21, 38), (25, 27, 29), (31, 11, 39), (1, 36, 37), (18, 28, 35).
B₁₀: (12, 1, 13), (25, 20, 36), (23, 11, 34), (2, 10, 12), (16, 28, 37), (22, 14, 36), (4, 38, 39), (25, 25, 31), (27, 18, 36), (20, 30, 31),
 (3, 15, 18), (30, 19, 32), (3, 16, 19), (4, 7, 11), (13, 21, 34), (15, 4, 19), (6, 5, 11), (6, 35, 40), (3, 26, 33),
 (5, 17, 22), (17, 5, 22), (6, 10, 16), (21, 23, 37), (7, 17, 24), (8, 20, 28), (27, 14, 40), (24, 14, 38), (26, 8, 34), (31, 10, 40),
 (21, 8, 29), (35, 2, 37), (9, 23, 32), (9, 29, 38), (18, 30, 37), (28, 1, 29), (9, 33, 39), (27, 15, 39), (2, 24, 26), (1, 12, 13).
B₁₁: (1, 14, 15), (9, 13, 22), (23, 17, 40), (22, 13, 35), (2, 16, 18), (23, 19, 39), (14, 5, 19), (11, 15, 26), (11, 28, 39), (2, 25, 27),
 (33, 14, 34), (32, 9, 40), (9, 3, 12), (3, 17, 20), (29, 16, 36), (4, 13, 17), (4, 18, 22), (10, 20, 30), (24, 3, 27), (31, 4, 35),
 (7, 5, 12), (8, 33, 40), (10, 24, 34), (6, 20, 26), (18, 31, 32), (6, 21, 27), (23, 1, 24), (5, 33, 38), (29, 8, 37), (19, 11, 30),
 (7, 21, 28), (3, 7, 28), (26, 6, 32), (8, 29, 37), (25, 12, 37), (10, 25, 35), (30, 15, 36), (2, 36, 38), (31, 16, 34), (38, 1, 39),
B₁₂: (15, 1, 16), (33, 10, 38), (26, 10, 36), (13, 11, 24), (31, 9, 40), (2, 17, 19), (5, 34, 39), (27, 8, 35), (35, 4, 39), (2, 15, 17),
 (2, 18, 20), (29, 13, 39), (12, 26, 38), (18, 3, 21), (18, 19, 37), (14, 27, 40), (12, 16, 28), (10, 4, 14), (11, 34, 36), (21, 13, 34),
 (4, 19, 23), (30, 8, 38), (5, 9, 14), (9, 31, 40), (33, 11, 37), (20, 5, 25), (12, 17, 29), (21, 6, 27), (1, 22, 23), (3, 30, 33),
 (6, 22, 28), (22, 6, 28), (7, 23, 30), (7, 24, 31), (7, 25, 32), (8, 24, 32), (20, 16, 36), (29, 15, 37), (32, 3, 35), (25, 1, 26).
B₁₃: (1, 17, 18), (21, 27, 33), (19, 18, 37), (15, 2, 17), (2, 19, 21), (28, 18, 35), (3, 12, 15), (1, 27, 28), (29, 10, 39), (25, 11, 36),
 (12, 3, 15), (3, 13, 16), (5, 26, 31), (16, 4, 20), (17, 26, 38), (24, 13, 37), (34, 1, 35), (8, 5, 13), (11, 30, 40), (21, 2, 23),
 (9, 5, 14), (20, 28, 33), (8, 32, 40), (6, 8, 14), (25, 10, 35), (23, 6, 29), (38, 4, 39), (7, 22, 29), (4, 33, 37), (34, 6, 40),
 (23, 7, 30), (24, 7, 31), (32, 11, 38), (22, 27, 32), (22, 9, 31), (9, 25, 34), (30, 12, 39), (19, 26, 36), (14, 10, 24), (16, 20, 36).
B₁₄: (18, 1, 19), (10, 28, 38), (19, 1, 20), (18, 2, 20), (2, 21, 23), (19, 4, 23), (13, 3, 16), (32, 15, 34), (39, 2, 40), (11, 26, 37),
 (14, 3, 17), (3, 21, 24), (9, 26, 35), (14, 4, 18), (27, 12, 39), (5, 10, 15), (10, 5, 15), (35, 6, 40), (32, 13, 36), (27, 17, 37),
 (5, 11, 16), (17, 31, 33), (13, 30, 38), (8, 6, 14), (20, 22, 39), (6, 24, 30), (22, 7, 29), (23, 12, 35), (29, 1, 30), (27, 4, 31),
 (25, 7, 32), (30, 7, 33), (21, 16, 37), (8, 25, 33), (11, 29, 40), (25, 9, 34), (24, 12, 36), (34, 9, 38), (28, 8, 36), (22, 28, 31).
B₁₅: (1, 20, 21), (20, 1, 21), (1, 13, 14), (17, 2, 19), (5, 21, 26), (9, 2, 11), (16, 3, 19), (4, 30, 34), (16, 31, 34), (15, 29, 37),
 (3, 23, 26), (35, 10, 36), (28, 22, 31), (4, 24, 28), (13, 14, 27), (30, 10, 40), (25, 5, 30), (13, 5, 18), (12, 32, 37), (7, 32, 39),
 (4, 20, 24), (6, 23, 29), (6, 11, 17), (11, 6, 17), (15, 27, 39), (28, 12, 40), (7, 12, 19), (18, 25, 38), (16, 10, 26), (36, 2, 38),
 (9, 22, 31), (7, 29, 36), (22, 15, 37), (25, 8, 33), (8, 27, 35), (18, 24, 39), (14, 33, 34), (33, 8, 40), (3, 35, 38), (23, 9, 32).
B₁₆: (21, 1, 22), (22, 1, 23), (1, 23, 24), (20, 2, 22), (31, 12, 38), (16, 19, 35), (17, 3, 20), (5, 28, 33), (10, 31, 40), (10, 31, 40), (15, 21, 36),
 (3, 20, 23), (14, 18, 32), (17, 4, 21), (25, 4, 29), (4, 26, 30), (26, 12, 38), (5, 27, 32), (26, 15, 40), (27, 5, 32), (7, 34, 40),
 (33, 9, 39), (13, 6, 19), (6, 19, 25), (6, 28, 34), (13, 16, 29), (7, 11, 18), (11, 7, 18), (10, 14, 24), (12, 25, 37), (2, 34, 36),
 (13, 17, 30), (8, 28, 36), (31, 8, 39), (35, 9, 37), (29, 14, 38), (15, 24, 39), (9, 35, 37), (11, 16, 27), (30, 3, 33), (8, 2, 10).
B₁₇: (1, 24, 25), (16, 25, 40), (1, 25, 26), (2, 26, 28), (26, 2, 28), (27, 2, 29), (19, 3, 22), (13, 1, 14), (6, 37, 38), (10, 35, 36),
 (20, 3, 23), (8, 30, 38), (18, 4, 22), (23, 4, 27), (21, 17, 38), (17, 13, 30), (11, 24, 35), (5, 18, 23), (9, 30, 39), (31, 3, 34),
 (9, 24, 33), (9, 6, 15), (6, 15, 21), (20, 13, 33), (17, 27, 37), (14, 7, 21), (35, 5, 40), (29, 7, 36), (4, 12, 16), (31, 5, 36),
 (19, 15, 34), (11, 8, 19), (8, 14, 22), (10, 32, 39), (32, 10, 39), (11, 20, 31), (16, 12, 28), (18, 29, 34), (7, 33, 40), (32, 12, 37).
B₁₈: (1, 26, 27), (36, 6, 39), (26, 1, 27), (27, 1, 28), (2, 28, 30), (19, 16, 35), (15, 22, 37), (3, 22, 25), (20, 14, 34), (33, 7, 40),
 (22, 3, 25), (3, 9, 12), (20, 4, 24), (4, 21, 25), (17, 21, 38), (5, 19, 24), (5, 30, 35), (26, 11, 37), (13, 10, 23), (15, 23, 38),
 (5, 32, 37), (23, 16, 39), (18, 6, 24), (9, 8, 17), (15, 30, 36), (29, 17, 35), (13, 7, 20), (10, 6, 16), (18, 14, 32), (28, 10, 38),
 (8, 34, 39), (14, 19, 33), (7, 4, 11), (32, 8, 40), (18, 13, 31), (9, 12, 21), (34, 11, 36), (31, 2, 33), (12, 29, 40), (2, 29, 31).
B₁₉: (1, 29, 30), (35, 35, 11), (30, 1, 31), (1, 16, 17), (19, 21, 40), (33, 2, 35), (20, 12, 32), (7, 16, 23), (11, 5, 16), (17, 12, 29),
 (25, 3, 28), (26, 3, 29), (23, 15, 38), (21, 4, 25), (24, 2, 26), (24, 4, 26), (5, 22, 27), (15, 25, 40), (18, 20, 38), (3, 28, 31),
 (14, 28, 39), (32, 5, 37), (27, 6, 33), (13, 18, 31), (11, 4, 15), (6, 34, 40), (19, 14, 33), (34, 8, 39), (10, 13, 23), (36, 8, 37),
 (34, 10, 37), (14, 24, 38), (19, 17, 36), (9, 18, 27), (10, 12, 22), (6, 36, 39), (7, 13, 20), (7, 2, 9), (9, 21, 30), (24, 8, 32).
B₂₀: (31, 1, 32), (1, 32, 33), (32, 1, 33), (2, 31, 33), (34, 2, 36), (2, 35, 37), (9, 15, 24), (11, 14, 25), (11, 9, 20), (18, 12, 30),
 (27, 3, 30), (28, 3, 31), (26, 4, 30), (4, 34, 38), (34, 4, 38), (21, 5, 26), (22, 5, 27), (17, 24, 40), (3, 36, 39), (14, 11, 25),
 (29, 12, 40), (16, 6, 22), (19, 6, 25), (6, 29, 35), (7, 15, 22), (16, 7, 23), (7, 19, 26), (12, 8, 20), (27, 16, 38), (5, 37, 39),
 (8, 13, 21), (15, 8, 23), (17, 20, 37), (24, 17, 40), (13, 23, 36), (10, 9, 19), (13, 29, 39), (14, 21, 35), (18, 10, 28), (10, 18, 28).
B₂₁: (1, 33, 34), (23, 13, 36), (36, 1, 37), (12, 7, 19), (1, 9, 10), (38, 2, 40), (19, 23, 39), (26, 16, 39), (28, 2, 30), (2, 22, 24),
 (29, 3, 32), (15, 3, 18), (4, 27, 31), (28, 6, 34), (4, 31, 35), (30, 5, 35), (10, 15, 25), (34, 5, 39), (35, 3, 38), (33, 4, 37),
 (11, 21, 32), (24, 6, 30), (6, 25, 31), (15, 7, 22), (12, 20, 32), (20, 7, 27), (14, 8, 22), (36, 5, 40), (18, 8, 26), (19, 10, 29),
 (11, 18, 29), (17, 8, 25), (14, 13, 27), (12, 9, 21), (13, 20, 33), (16, 24, 40), (16, 21, 37), (9, 14, 23), (17, 11, 28), (26, 17, 38).
B₂₂: (1, 37, 38), (12, 27, 39), (1, 38, 39), (13, 24, 37), (22, 18, 40), (36, 3, 39), (23, 20, 38), (22, 10, 32), (16, 11, 27), (28, 4, 32),
 (4, 32, 36), (30, 18, 33), (3, 31, 34), (29, 11, 40), (28, 5, 33), (29, 5, 34), (25, 6, 31), (26, 19, 36), (32, 14, 37), (17, 47, 21),
 (29, 6, 35), (30, 11, 40), (28, 7, 35), (12, 19, 31), (2, 13, 15), (18, 5, 23), (16, 9, 25), (9, 17, 26), (3, 19, 22), (8, 26, 34),
 (6, 2, 8), (12, 21, 33), (7, 7, 14), (24, 1, 25), (14, 2, 16), (17, 10, 27), (20, 15, 35), (15, 9, 24), (20, 10, 30), (13, 8, 21).
B₂₃: (34, 3, 37), (10, 16, 26), (37, 3, 40), (4, 23, 27), (14, 1, 15), (30, 6, 36), (7, 31, 38), (36, 4, 40), (21, 12, 33), (8, 17, 25),
 (31, 7, 38), (32, 7, 39), (12, 34, 35), (19, 30, 32), (19, 13, 32), (29, 18, 34), (5, 8, 13), (14, 23, 37), (25, 2, 27), (6, 33, 39),
 (18, 9, 27), (13, 12, 25), (26, 9, 35), (1, 15, 16), (24, 5, 29), (28, 11, 39), (10, 21, 31), (19, 5, 24), (1, 21, 22), (2, 20, 22),
 (9, 11, 20), (24, 4, 28), (17, 28, 36), (22, 8, 30), (17, 29, 35), (16, 2, 18), (14, 6, 20), (15, 11, 26), (3, 38, 40), (10, 23, 33).
B₂₄: (37, 4, 40), (26, 14, 40), (16, 29, 36), (9, 16, 25), (6, 32, 38), (2, 14, 16), (23, 5, 28), (6, 18, 24), (11, 23, 34), (14, 20, 34),
 (12, 22, 34), (21, 3, 24), (17, 7, 24), (29, 4, 33), (10, 27, 37), (30, 9, 39), (4, 1, 5), (12, 18, 30), (10, 17, 27), (31, 15, 35),
 (21, 25, 35), (8, 31, 39), (19, 12, 31), (8, 15, 23), (36, 7, 38), (20, 6, 26), (33, 5, 38), (13, 19, 32), (3, 25, 28), (8, 11, 19),
 (10, 22, 32), (13, 2, 15), (7, 20, 27), (2, 37, 39), (13, 28, 40), (22, 11, 33), (17, 1, 18), (21, 9, 30), (1, 35, 36), (3, 26, 29).
B₂₅: (6, 31, 37), (6, 16, 22), (19, 19, 38), (28, 21, 32), (15, 12, 27), (23, 3, 26), (20, 8, 28), (20, 9, 29), (24, 9, 33), (35, 8, 38),
 (15, 32, 34), (21, 10, 31), (9, 4, 13), (22, 2, 24), (28, 17, 36), (4, 10, 14), (2, 39, 40), (18, 7, 25), (5, 31, 36), (2, 30, 32),
 (13, 33, 35), (24, 10, 34), (27, 20, 34), (25, 15, 40), (16, 23, 39), (4, 29, 33), (14, 12, 26), (7, 1, 8), (5, 25, 30), (18, 11, 29),
 (11, 11, 22), (37, 5, 39), (12, 23, 35), (16, 1, 17), (27, 13, 40), (3, 18, 21), (19, 7, 26), (37, 1, 38), (3, 14, 17), (6, 30, 36).
B₂₆: (16, 30, 35), (1, 18, 19), (13, 9, 22), (32, 4, 36), (10, 29, 39), (12, 2, 14), (26, 5, 31), (8, 12, 20), (23, 2, 25), (20, 18, 38),
 (15, 10, 25), (3, 24, 27), (4, 36, 40), (10, 7, 17), (15, 6, 21), (1, 19, 20), (30, 16, 35), (11, 17, 28), (8, 16, 24), (21, 11, 32),
 (9, 34, 38), (7, 18, 25), (4, 22, 26), (1, 30, 31), (3, 34, 37), (33, 13, 35), (34, 7, 40), (28, 14, 39), (14, 22, 36), (5, 23, 28),
 (33, 6, 39), (17, 9, 26), (12, 15, 27), (37, 6, 38), (5, 24, 29), (19, 2, 21), (8, 23, 31), (3, 29, 32), (13, 27, 40), (11, 33, 37).

B_{27} : (25, 18, 38), (10, 26, 36), (16, 27, 38), (15, 5, 20), (22, 12, 34), (10, 2, 12), (7, 14, 21), (21, 15, 36), (19, 9, 28), (13, 4, 17),
 (29, 2, 31), (32, 6, 38), (3, 37, 40), (16, 8, 24), (29, 19, 33), (32, 2, 34), (14, 9, 23), (31, 6, 37), (4, 16, 20), (5, 20, 25),
 (13, 22, 35), (15, 26, 40), (11, 1, 12), (8, 22, 30), (23, 8, 31), (17, 23, 40), (24, 11, 35), (1, 6, 7), (10, 1, 11), (9, 19, 28),
 (3, 27, 30), (14, 25, 39), (3, 33, 36), (5, 29, 34), (30, 7, 37), (27, 21, 33), (13, 26, 39), (18, 17, 35), (4, 28, 32), (24, 18, 39).

(m) An LCTS($87; 1^*3^{28}$) = $(\mathbb{Z}_{87}, A_1, A_2, \dots, A_{29})$, the set of difference triples B_i of A_i ($1 \leq i \leq 29$) is listed below:

B_1 : (2, 1, 3), (4, 5, 9), (7, 6, 13), (8, 10, 12), (11, 15, 26), (12, 30, 42), (14, 32, 41), (16, 31, 40),
 (17, 34, 36), (19, 33, 35), (23, 20, 43), (21, 27, 39), (28, 22, 37), (24, 25, 38), (29, 29, 29).

B_2 : (1, 1, 2), (2, 2, 4), (3, 3, 6), (4, 4, 8), (5, 5, 10), (6, 6, 12), (7, 7, 14), (8, 8, 16), (9, 9, 18), (3, 41, 43), (5, 38, 43),
 (10, 10, 20), (11, 11, 22), (12, 12, 24), (13, 13, 26), (14, 14, 28), (15, 15, 30), (16, 16, 32), (7, 38, 42),
 (17, 17, 34), (18, 18, 36), (38, 9, 40), (20, 20, 40), (21, 21, 42), (22, 22, 43), (23, 23, 41), (11, 29, 40),
 (24, 24, 39), (25, 25, 37), (26, 26, 35), (27, 27, 33), (28, 28, 31), (30, 30, 27), (31, 31, 25), (19, 29, 39),
 (32, 32, 23), (33, 33, 21), (34, 34, 19), (35, 35, 17), (36, 36, 15), (37, 37, 13), (1, 41, 42), (29, 19, 39).

B_3 : (1, 2, 3), (38, 38, 11), (39, 39, 9), (40, 40, 7), (41, 41, 5), (42, 42, 3), (43, 43, 1), (30, 20, 37), (5, 13, 18),
 (2, 4, 6), (4, 2, 6), (32, 19, 36), (5, 7, 12), (7, 8, 15), (8, 9, 17), (9, 8, 17), (19, 19, 38), (4, 31, 35), (6, 31, 37),
 (10, 11, 21), (10, 12, 22), (12, 10, 22), (25, 27, 35), (14, 13, 27), (13, 15, 28), (14, 15, 29), (11, 31, 42),
 (16, 18, 34), (18, 16, 34), (25, 30, 32), (20, 21, 41), (14, 22, 36), (20, 23, 43), (21, 26, 40), (26, 28, 33),
 (25, 23, 39), (29, 26, 32), (23, 27, 37), (28, 24, 35), (29, 24, 34), (1, 16, 17), (3, 33, 36), (30, 24, 33).

B_4 : (3, 1, 4), (1, 4, 5), (4, 1, 5), (2, 3, 5), (28, 29, 30), (6, 2, 8), (3, 6, 9), (10, 33, 43), (15, 31, 41), (11, 37, 39),
 (7, 9, 16), (9, 7, 16), (28, 25, 34), (10, 13, 23), (13, 10, 23), (11, 12, 23), (11, 13, 24), (27, 22, 38), (12, 14, 26),
 (14, 12, 26), (15, 14, 29), (33, 18, 36), (32, 15, 40), (17, 18, 35), (18, 17, 35), (17, 19, 36), (31, 24, 32),
 (30, 26, 31), (19, 32, 36), (21, 22, 43), (19, 20, 39), (21, 25, 41), (22, 20, 42), (29, 21, 37), (28, 16, 43),
 (27, 25, 35), (24, 30, 33), (37, 2, 39), (20, 27, 40), (38, 7, 42), (8, 34, 42), (38, 8, 41), (34, 6, 40).

B_5 : (1, 5, 6), (1, 6, 7), (3, 2, 5), (23, 31, 33), (7, 2, 9), (3, 8, 11), (20, 26, 41), (4, 8, 12), (9, 26, 35), (20, 30, 37),
 (4, 9, 13), (11, 23, 34), (27, 28, 32), (25, 16, 41), (21, 20, 41), (10, 14, 24), (14, 10, 24), (30, 17, 40),
 (16, 28, 43), (28, 27, 32), (12, 11, 23), (29, 22, 36), (15, 34, 38), (12, 13, 25), (13, 16, 29), (4, 40, 43),
 (24, 29, 34), (15, 17, 32), (15, 18, 33), (27, 21, 39), (19, 17, 36), (10, 35, 42), (19, 18, 37), (7, 31, 38),
 (5, 1, 6), (18, 21, 39), (25, 19, 43), (26, 22, 39), (30, 22, 35), (2, 38, 40), (33, 3, 36), (8, 37, 42), (14, 31, 42).

B_6 : (6, 1, 7), (2, 9, 11), (7, 1, 8), (2, 8, 10), (29, 28, 30), (9, 2, 11), (6, 3, 9), (30, 19, 38), (5, 37, 42), (7, 37, 43),
 (10, 3, 13), (4, 11, 15), (13, 27, 40), (12, 4, 16), (5, 12, 17), (24, 31, 32), (5, 14, 19), (12, 29, 41), (13, 32, 42),
 (6, 14, 20), (20, 28, 39), (17, 26, 43), (14, 16, 30), (23, 17, 40), (18, 15, 33), (15, 19, 34), (27, 16, 43),
 (31, 20, 36), (21, 32, 34), (23, 29, 35), (21, 18, 39), (26, 25, 36), (22, 31, 34), (22, 23, 42), (18, 22, 40),
 (24, 27, 36), (24, 28, 35), (38, 10, 39), (1, 25, 26), (8, 33, 41), (3, 35, 38), (4, 33, 37), (25, 21, 41).

B_7 : (1, 8, 9), (8, 1, 9), (1, 9, 10), (2, 5, 7), (28, 19, 40), (8, 2, 10), (3, 4, 7), (29, 25, 33), (34, 18, 35), (4, 35, 39),
 (1, 3, 14), (4, 6, 10), (18, 24, 42), (12, 5, 17), (6, 12, 18), (28, 15, 43), (21, 29, 37), (15, 23, 38), (6, 36, 42),
 (29, 27, 31), (5, 2, 7), (15, 13, 28), (13, 36, 38), (13, 17, 30), (22, 32, 33), (21, 16, 37), (11, 27, 38),
 (26, 20, 41), (16, 21, 37), (20, 11, 31), (17, 23, 40), (16, 25, 41), (25, 20, 42), (32, 22, 33), (26, 30, 31),
 (24, 19, 43), (19, 22, 41), (14, 34, 39), (26, 27, 34), (32, 3, 35), (24, 23, 40), (36, 12, 39), (14, 30, 43).

B_8 : (9, 1, 10), (10, 1, 11), (24, 26, 37), (32, 21, 34), (12, 2, 14), (4, 3, 7), (20, 19, 39), (13, 28, 41), (18, 27, 42),
 (5, 3, 8), (5, 4, 9), (29, 16, 42), (23, 24, 40), (17, 14, 31), (2, 27, 29), (20, 31, 36), (3, 5, 8), (11, 33, 43),
 (28, 12, 40), (1, 10, 11), (6, 7, 13), (6, 9, 15), (33, 16, 38), (7, 15, 22), (27, 18, 42), (31, 17, 39), (2, 37, 39),
 (19, 30, 38), (34, 15, 38), (25, 26, 36), (24, 20, 43), (16, 35, 36), (17, 33, 37), (26, 29, 32), (6, 19, 25),
 (23, 30, 34), (18, 28, 41), (21, 23, 43), (32, 14, 41), (4, 21, 25), (22, 8, 30), (22, 13, 35), (35, 12, 40).

B_9 : (1, 11, 12), (31, 23, 33), (1, 12, 13), (13, 30, 43), (2, 13, 15), (2, 14, 16), (16, 26, 42), (5, 26, 31), (31, 6, 37),
 (7, 34, 41), (17, 28, 42), (3, 7, 10), (7, 3, 10), (3, 14, 17), (6, 4, 10), (22, 25, 40), (19, 25, 43), (4, 15, 19),
 (5, 15, 20), (18, 32, 37), (5, 17, 22), (6, 18, 24), (27, 12, 39), (24, 21, 42), (8, 19, 27), (25, 29, 33),
 (8, 20, 28), (11, 28, 39), (9, 21, 30), (21, 9, 30), (23, 9, 32), (26, 23, 38), (27, 24, 36), (40, 4, 43),
 (14, 35, 38), (16, 34, 37), (18, 33, 36), (8, 38, 41), (22, 29, 36), (34, 1, 35), (2, 39, 41), (29, 11, 40), (20, 32, 35).

B_{10} : (12, 1, 13), (31, 10, 41), (2, 33, 35), (19, 24, 43), (10, 2, 12), (20, 29, 38), (3, 15, 18), (1, 13, 14), (5, 6, 11),
 (4, 37, 41), (5, 35, 40), (20, 33, 34), (30, 21, 36), (37, 11, 39), (26, 16, 42), (7, 21, 28), (4, 7, 11), (13, 1, 14),
 (17, 5, 22), (6, 17, 23), (17, 6, 23), (12, 37, 38), (7, 18, 25), (19, 8, 27), (14, 29, 43), (16, 24, 40), (4, 27, 31),
 (21, 8, 29), (28, 20, 39), (35, 16, 36), (9, 22, 31), (9, 23, 32), (39, 3, 42), (30, 25, 32), (27, 3, 30),
 (28, 26, 33), (10, 32, 42), (36, 2, 38), (18, 8, 26), (34, 9, 43), (22, 24, 41), (15, 25, 40), (19, 15, 34).

B_{11} : (1, 14, 15), (14, 1, 15), (6, 25, 31), (7, 20, 27), (16, 32, 39), (32, 13, 42), (16, 2, 18), (2, 17, 19), (39, 4, 43),
 (14, 3, 17), (26, 19, 42), (34, 10, 43), (19, 28, 40), (24, 10, 34), (11, 18, 29), (4, 13, 17), (9, 33, 42), (9, 37, 41),
 (4, 18, 22), (12, 36, 39), (27, 23, 37), (36, 8, 43), (5, 8, 13), (11, 36, 40), (20, 5, 25), (31, 3, 34), (25, 24, 38),
 (6, 20, 26), (22, 30, 35), (21, 6, 27), (21, 31, 35), (21, 28, 38), (22, 7, 29), (7, 23, 30), (29, 12, 41),
 (33, 8, 41), (37, 10, 40), (23, 26, 38), (1, 15, 16), (24, 11, 35), (2, 30, 32), (5, 28, 33), (9, 3, 12).

B_{12} : (15, 1, 16), (9, 35, 43), (1, 17, 18), (14, 25, 39), (2, 15, 17), (2, 18, 20), (3, 13, 16), (24, 7, 31), (26, 10, 36),
 (3, 19, 22), (10, 38, 39), (4, 19, 23), (19, 4, 23), (8, 5, 13), (14, 27, 41), (25, 11, 36), (37, 8, 42), (33, 20, 34),
 (20, 6, 26), (6, 22, 28), (22, 6, 28), (35, 7, 42), (21, 7, 28), (17, 27, 43), (24, 13, 37), (12, 35, 40), (4, 30, 34),
 (8, 24, 32), (33, 14, 40), (16, 29, 42), (9, 12, 21), (30, 11, 41), (31, 15, 41), (32, 11, 43), (3, 18, 21),
 (37, 12, 38), (10, 26, 36), (1, 29, 30), (27, 5, 32), (2, 31, 33), (5, 29, 34), (23, 25, 39), (9, 38, 40).

B_{13} : (17, 1, 18), (1, 18, 19), (18, 1, 19), (25, 13, 38), (17, 2, 19), (2, 20, 22), (6, 32, 38), (28, 8, 36), (14, 36, 37),
 (12, 3, 15), (13, 3, 16), (22, 21, 43), (32, 16, 39), (4, 20, 24), (20, 4, 24), (35, 15, 37), (4, 25, 29), (7, 29, 36),
 (5, 21, 26), (5, 22, 27), (30, 23, 34), (10, 31, 41), (12, 34, 41), (10, 30, 40), (15, 12, 27), (23, 11, 34),
 (16, 23, 39), (7, 25, 32), (31, 13, 43), (7, 26, 33), (33, 9, 42), (27, 29, 31), (11, 30, 41), (35, 3, 38),
 (6, 8, 14), (8, 6, 14), (24, 9, 33), (10, 37, 40), (35, 9, 43), (28, 17, 42), (40, 2, 42), (21, 5, 26), (28, 11, 39).

B_{14} : (1, 19, 20), (13, 33, 41), (11, 34, 42), (6, 33, 39), (40, 3, 43), (2, 22, 24), (30, 14, 43), (34, 3, 37), (24, 1, 25),
 (22, 14, 36), (3, 23, 26), (15, 33, 39), (28, 9, 37), (14, 4, 18), (4, 23, 27), (32, 20, 35), (26, 5, 31), (7, 12, 19),
 (5, 10, 15), (5, 11, 16), (25, 28, 34), (18, 12, 30), (6, 10, 16), (6, 11, 17), (29, 13, 42), (31, 7, 38), (15, 21, 36),
 (7, 10, 17), (25, 22, 40), (12, 26, 38), (8, 27, 35), (27, 8, 35), (23, 21, 43), (9, 28, 37), (16, 30, 41),
 (13, 29, 42), (9, 29, 38), (4, 32, 36), (24, 17, 41), (1, 31, 32), (18, 2, 20), (39, 8, 40), (2, 19, 21).

B_{15} : (20, 1, 21), (1, 21, 22), (11, 32, 43), (29, 4, 33), (21, 1, 22), (3, 38, 41), (22, 16, 38), (5, 31, 36), (25, 12, 37),
 (3, 17, 20), (23, 3, 26), (6, 24, 30), (19, 7, 26), (32, 8, 40), (17, 24, 41), (16, 19, 35), (33, 19, 35), (8, 15, 23),
 (4, 24, 28), (25, 4, 29), (34, 14, 39), (10, 5, 15), (5, 27, 32), (30, 18, 39), (9, 6, 15), (9, 25, 34), (31, 11, 42),
 (10, 6, 16), (23, 28, 36), (10, 7, 17), (7, 11, 18), (36, 14, 37), (30, 12, 42), (29, 8, 37), (20, 13, 33),
 (13, 34, 40), (26, 2, 28), (18, 9, 27), (12, 31, 43), (35, 13, 39), (38, 2, 40), (42, 2, 43), (27, 14, 41).

B_{16} : (1, 22, 23), (22, 1, 23), (1, 23, 24), (19, 2, 21), (22, 2, 24), (34, 8, 42), (28, 18, 41), (3, 39, 42), (17, 29, 41),
 (36, 11, 40), (25, 3, 28), (20, 12, 32), (4, 16, 20), (4, 17, 21), (26, 4, 30), (14, 5, 19), (7, 36, 43), (9, 32, 41),
 (5, 25, 30), (25, 5, 30), (11, 6, 17), (13, 6, 19), (26, 6, 32), (15, 16, 31), (7, 27, 34), (11, 26, 37), (16, 33, 38).

$(27, 7, 34), (10, 8, 18), (20, 24, 43), (8, 31, 39), (13, 18, 31), (15, 29, 43), (9, 27, 36), (15, 35, 37),$
 $(29, 9, 38), (14, 21, 35), (14, 33, 40), (10, 28, 38), (13, 35, 39), (12, 33, 42), (3, 37, 40), (2, 10, 12).$
 $\mathcal{B}_{17}: (23, 1, 24), (13, 14, 27), (25, 1, 26), (21, 2, 23), (24, 2, 26), (2, 25, 27), (19, 3, 22), (17, 31, 39), (14, 28, 42),$
 $(3, 20, 23), (3, 26, 29), (33, 13, 41), (11, 10, 21), (28, 13, 41), (18, 20, 38), (20, 15, 35), (33, 10, 43),$
 $(29, 5, 34), (30, 5, 35), (6, 15, 21), (6, 16, 22), (6, 27, 33), (12, 7, 19), (19, 31, 37), (1, 36, 37), (4, 36, 40),$
 $(7, 32, 39), (32, 7, 39), (30, 15, 42), (8, 30, 38), (8, 35, 43), (18, 4, 22), (31, 9, 40), (8, 16, 24), (11, 5, 16),$
 $(9, 34, 43), (9, 36, 42), (29, 18, 40), (11, 17, 28), (4, 10, 14), (34, 12, 41), (12, 25, 37), (17, 32, 38).$
 $\mathcal{B}_{18}: (1, 26, 27), (31, 14, 42), (1, 27, 28), (2, 28, 30), (28, 2, 30), (13, 12, 25), (20, 3, 23), (5, 34, 39), (2, 35, 37),$
 $(3, 21, 24), (21, 3, 24), (4, 22, 26), (4, 29, 33), (30, 4, 34), (23, 13, 36), (5, 36, 41), (33, 5, 38), (32, 18, 37),$
 $(31, 12, 43), (14, 6, 20), (15, 6, 21), (16, 6, 22), (15, 7, 22), (7, 17, 24), (7, 35, 42), (27, 20, 40), (16, 13, 29),$
 $(8, 11, 19), (11, 8, 19), (8, 17, 25), (9, 10, 19), (9, 16, 25), (37, 9, 41), (10, 29, 39), (14, 26, 40),$
 $(35, 10, 42), (34, 17, 36), (32, 12, 43), (18, 31, 38), (15, 32, 40), (18, 23, 41), (1, 38, 39), (33, 11, 43).$
 $\mathcal{B}_{19}: (27, 1, 28), (1, 28, 29), (28, 1, 29), (25, 2, 27), (12, 24, 36), (30, 2, 32), (3, 32, 35), (6, 38, 43), (38, 6, 43),$
 $(3, 36, 39), (27, 15, 42), (22, 4, 26), (31, 4, 35), (32, 4, 36), (34, 5, 39), (16, 22, 38), (30, 9, 39), (37, 5, 42),$
 $(5, 18, 23), (14, 19, 33), (17, 30, 40), (35, 11, 41), (25, 6, 31), (7, 13, 20), (13, 7, 20), (18, 29, 40), (23, 2, 25),$
 $(7, 14, 21), (15, 26, 41), (12, 8, 20), (8, 13, 21), (15, 8, 23), (34, 11, 42), (10, 9, 19), (10, 24, 34),$
 $(12, 9, 21), (18, 19, 37), (16, 10, 26), (11, 22, 33), (24, 16, 40), (33, 17, 37), (41, 3, 43), (14, 17, 31).$
 $\mathcal{B}_{20}: (29, 1, 30), (6, 35, 41), (30, 1, 31), (29, 2, 31), (21, 19, 40), (32, 2, 34), (3, 24, 27), (38, 5, 43), (35, 2, 37),$
 $(20, 7, 27), (26, 3, 29), (23, 4, 27), (24, 4, 28), (28, 4, 32), (36, 5, 41), (40, 5, 42), (14, 9, 23), (34, 16, 37),$
 $(28, 6, 34), (33, 6, 39), (22, 19, 41), (17, 22, 39), (15, 30, 42), (10, 23, 33), (20, 16, 36), (35, 14, 38),$
 $(13, 8, 21), (17, 8, 25), (8, 18, 26), (9, 11, 20), (14, 7, 21), (10, 15, 25), (15, 10, 25), (12, 32, 43),$
 $(9, 31, 40), (33, 12, 42), (36, 13, 38), (18, 26, 43), (16, 3, 19), (13, 24, 37), (22, 17, 39), (11, 1, 12), (11, 7, 18).$
 $\mathcal{B}_{21}: (31, 1, 32), (1, 32, 33), (15, 27, 42), (3, 16, 19), (18, 13, 31), (34, 2, 36), (33, 7, 40), (36, 3, 39), (1, 20, 21),$
 $(26, 11, 37), (12, 22, 34), (4, 34, 38), (35, 4, 39), (8, 12, 20), (5, 24, 29), (24, 5, 29), (2, 40, 42), (2, 7, 9),$
 $(23, 6, 29), (35, 6, 41), (37, 6, 43), (17, 7, 24), (16, 5, 21), (14, 8, 22), (13, 31, 43), (22, 28, 37), (23, 15, 38),$
 $(30, 8, 38), (9, 4, 13), (25, 15, 40), (19, 27, 41), (9, 17, 26), (27, 17, 43), (10, 16, 26), (11, 35, 41),$
 $(10, 18, 28), (18, 10, 28), (11, 14, 25), (19, 23, 42), (12, 20, 32), (30, 3, 33), (21, 30, 36), (25, 14, 39).$
 $\mathcal{B}_{22}: (1, 33, 34), (33, 1, 34), (1, 34, 35), (8, 14, 22), (13, 25, 38), (39, 2, 41), (18, 30, 39), (19, 14, 33), (20, 2, 22),$
 $(28, 3, 31), (4, 38, 42), (4, 41, 42), (16, 27, 43), (5, 32, 37), (6, 29, 35), (12, 28, 40), (36, 4, 40), (26, 21, 40),$
 $(6, 39, 42), (16, 8, 24), (8, 23, 31), (9, 15, 24), (15, 9, 24), (17, 9, 26), (10, 17, 27), (11, 19, 30), (16, 20, 36),$
 $(37, 7, 43), (7, 5, 12), (12, 23, 35), (10, 22, 32), (14, 11, 25), (7, 30, 37), (27, 11, 38), (29, 3, 32),$
 $(18, 25, 43), (29, 17, 41), (13, 23, 36), (15, 5, 20), (10, 21, 31), (2, 26, 28), (18, 3, 21), (6, 13, 19).$
 $\mathcal{B}_{23}: (1, 35, 36), (35, 1, 36), (36, 1, 37), (3, 22, 25), (41, 2, 43), (2, 42, 43), (40, 6, 41), (22, 5, 27), (5, 30, 35),$
 $(41, 4, 42), (23, 16, 39), (3, 31, 34), (27, 6, 33), (17, 3, 20), (9, 24, 33), (15, 24, 39), (16, 7, 23), (18, 14, 32),$
 $(29, 20, 38), (26, 8, 34), (30, 13, 43), (19, 9, 28), (10, 19, 29), (20, 10, 30), (21, 10, 31), (26, 7, 33),$
 $(25, 17, 42), (13, 11, 24), (31, 16, 40), (14, 23, 37), (2, 12, 14), (8, 4, 12), (9, 19, 28), (34, 4, 38), (12, 15, 27),$
 $(8, 29, 37), (22, 18, 40), (21, 11, 32), (6, 5, 11), (17, 15, 32), (28, 21, 38), (13, 26, 39), (18, 7, 25).$
 $\mathcal{B}_{24}: (1, 37, 38), (27, 19, 41), (38, 1, 39), (11, 4, 15), (6, 34, 40), (39, 6, 42), (3, 30, 33), (18, 5, 23), (27, 4, 31),$
 $(23, 12, 36), (7, 16, 23), (20, 9, 29), (22, 9, 31), (26, 14, 40), (35, 8, 43), (13, 21, 34), (32, 5, 37), (8, 22, 30),$
 $(8, 25, 33), (29, 14, 43), (3, 25, 28), (7, 28, 35), (2, 21, 23), (1, 40, 41), (13, 19, 32), (20, 18, 38), (2, 16, 18),$
 $(19, 11, 30), (4, 12, 16), (17, 11, 28), (6, 26, 32), (21, 24, 42), (15, 20, 35), (31, 22, 34), (36, 7, 43),$
 $(2, 24, 26), (3, 10, 13), (9, 5, 14), (17, 25, 42), (27, 10, 37), (36, 10, 41), (12, 17, 29), (33, 15, 39).$
 $\mathcal{B}_{25}: (21, 13, 34), (26, 24, 37), (26, 17, 43), (40, 1, 41), (3, 29, 32), (8, 32, 40), (38, 3, 41), (12, 6, 18), (25, 7, 32),$
 $(17, 16, 33), (36, 9, 42), (28, 10, 38), (16, 1, 17), (21, 15, 36), (33, 2, 35), (22, 11, 33), (30, 10, 40), (20, 8, 28),$
 $(29, 23, 35), (41, 1, 42), (31, 8, 39), (7, 24, 31), (11, 2, 13), (5, 39, 43), (18, 34, 35), (15, 4, 19), (12, 27, 39),$
 $(23, 7, 30), (6, 37, 43), (9, 13, 22), (11, 16, 27), (10, 20, 30), (24, 14, 38), (23, 5, 28), (4, 14, 18),$
 $(19, 6, 25), (19, 26, 42), (15, 22, 37), (31, 5, 36), (14, 20, 34), (21, 4, 25), (27, 2, 29), (3, 9, 12).$
 $\mathcal{B}_{26}: (42, 1, 43), (11, 25, 36), (34, 13, 40), (2, 41, 43), (24, 22, 41), (27, 13, 40), (23, 12, 35), (19, 16, 35),$
 $(7, 39, 41), (14, 18, 32), (6, 21, 27), (25, 9, 34), (19, 1, 20), (3, 27, 30), (32, 17, 38), (19, 12, 31), (18, 11, 29),$
 $(37, 1, 38), (15, 2, 17), (7, 33, 40), (2, 6, 8), (14, 24, 38), (23, 22, 42), (18, 6, 24), (8, 28, 36), (3, 12, 15),$
 $(26, 9, 35), (5, 16, 21), (3, 28, 31), (29, 7, 36), (5, 23, 28), (4, 26, 30), (26, 13, 39), (16, 17, 33), (8, 21, 29),$
 $(5, 20, 25), (32, 10, 42), (11, 20, 31), (10, 4, 14), (10, 34, 43), (22, 15, 37), (33, 4, 37), (9, 30, 39).$
 $\mathcal{B}_{27}: (6, 40, 41), (24, 6, 30), (2, 34, 36), (12, 19, 31), (20, 14, 34), (8, 39, 40), (23, 10, 33), (1, 3, 4), (3, 34, 37),$
 $(23, 19, 42), (11, 24, 35), (16, 4, 20), (30, 6, 36), (31, 21, 35), (17, 20, 37), (26, 12, 38), (26, 15, 41),$
 $(7, 22, 29), (7, 4, 11), (13, 9, 22), (28, 5, 33), (25, 8, 33), (11, 21, 32), (13, 22, 35), (23, 8, 31), (28, 14, 42),$
 $(15, 3, 18), (9, 18, 27), (29, 15, 43), (21, 17, 38), (12, 16, 28), (39, 5, 43), (25, 18, 43), (5, 40, 42),$
 $(19, 13, 32), (26, 1, 27), (14, 2, 16), (2, 36, 38), (1, 24, 25), (29, 10, 39), (17, 10, 27), (32, 9, 41), (30, 7, 37).$
 $\mathcal{B}_{28}: (34, 7, 41), (23, 14, 37), (10, 27, 37), (38, 4, 42), (23, 18, 41), (12, 18, 30), (39, 7, 41), (8, 3, 11), (25, 10, 35),$
 $(7, 19, 26), (17, 12, 29), (17, 21, 38), (31, 2, 33), (31, 18, 38), (39, 1, 40), (6, 28, 34), (6, 23, 29), (27, 26, 34),$
 $(36, 6, 42), (2, 11, 13), (4, 39, 43), (37, 3, 40), (13, 2, 15), (15, 28, 43), (22, 10, 32), (17, 4, 21), (24, 8, 32),$
 $(22, 3, 25), (16, 9, 25), (16, 14, 30), (15, 11, 26), (21, 14, 35), (5, 19, 24), (1, 30, 31), (32, 1, 33),$
 $(27, 9, 36), (9, 20, 29), (8, 36, 43), (20, 22, 42), (16, 12, 28), (35, 5, 40), (13, 20, 33), (19, 5, 24).$
 $\mathcal{B}_{29}: (2, 29, 31), (26, 18, 43), (24, 18, 42), (5, 9, 14), (6, 30, 36), (3, 11, 14), (30, 16, 41), (11, 9, 20),$
 $(5, 33, 38), (19, 21, 40), (31, 19, 37), (1, 42, 43), (20, 25, 42), (22, 12, 34), (20, 17, 37), (19, 10, 29),$
 $(1, 39, 40), (16, 15, 31), (16, 11, 27), (22, 27, 38), (28, 7, 35), (29, 6, 35), (12, 21, 33), (9, 14, 23), (10, 25, 35),$
 $(13, 4, 17), (37, 4, 41), (10, 36, 41), (3, 40, 43), (2, 32, 34), (8, 7, 15), (24, 3, 27), (13, 5, 18), (8, 26, 34),$
 $(17, 13, 30), (32, 6, 38), (28, 23, 36), (24, 15, 39), (1, 7, 8), (21, 12, 33), (4, 28, 32), (22, 26, 39), (2, 23, 25).$
(n) An $\text{LCTS}(93; 1^*3^{30}) = (\mathbb{Z}_{93}, \mathcal{A}_1, \mathcal{A}_2, \dots, \mathcal{A}_{31})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 31$) is listed below:
 $\mathcal{B}_1: (1, 2, 3), (5, 4, 9), (6, 7, 13), (10, 8, 18), (11, 12, 23), (14, 27, 41), (15, 33, 45), (16, 30, 46),$
 $(17, 32, 44), (19, 35, 39), (20, 36, 37), (21, 34, 38), (28, 22, 43), (24, 29, 40), (26, 25, 42), (31, 31, 31).$
 $\mathcal{B}_2: (1, 1, 2), (2, 2, 4), (3, 3, 6), (4, 4, 8), (5, 5, 10), (6, 6, 12), (7, 7, 14), (21, 24, 45), (38, 38, 17), (40, 1, 41),$
 $(9, 9, 18), (10, 10, 20), (11, 11, 22), (12, 12, 24), (13, 13, 26), (14, 14, 28), (29, 31, 33), (36, 3, 39), (42, 5, 46),$
 $(16, 16, 32), (17, 17, 34), (15, 20, 35), (19, 19, 38), (13, 18, 31), (23, 21, 44), (22, 22, 44), (7, 41, 45), (8, 16, 24),$
 $(9, 41, 43), (31, 20, 42), (25, 25, 43), (26, 21, 46), (27, 27, 39), (28, 28, 37), (23, 30, 40), (36, 11, 46), (15, 29, 44),$
 $(30, 30, 33), (32, 32, 29), (36, 18, 39), (34, 34, 25), (35, 35, 23), (27, 26, 40), (37, 37, 19), (8, 42, 43), (33, 15, 45).$
 $\mathcal{B}_3: (39, 39, 15), (40, 40, 13), (41, 41, 11), (42, 42, 9), (43, 43, 7), (44, 44, 5), (45, 45, 3), (33, 33, 27), (5, 12, 17),$
 $(32, 24, 37), (2, 1, 3), (1, 3, 4), (2, 4, 6), (4, 2, 6), (5, 6, 11), (22, 21, 43), (7, 8, 15), (23, 23, 46), (12, 13, 25),$
 $(40, 9, 44), (8, 9, 17), (26, 28, 39), (20, 31, 42), (13, 35, 45), (21, 20, 41), (10, 11, 21), (1, 18, 19), (7, 30, 37),$
 $(29, 29, 35), (28, 19, 46), (10, 12, 22), (24, 31, 38), (32, 27, 34), (14, 15, 29), (33, 25, 35), (14, 20, 34), (16, 22, 38),$
 $(16, 14, 30), (16, 18, 34), (30, 26, 37), (17, 19, 36), (31, 26, 36), (8, 10, 18), (23, 24, 46), (25, 32, 36), (27, 28, 38).$

B_4 : (3, 1, 4), (1, 4, 5), (17, 30, 46), (2, 3, 5), (2, 6, 8), (6, 2, 8), (3, 6, 9), (8, 7, 15), (1, 32, 33), (35, 21, 37),
(7, 9, 16), (9, 7, 16), (26, 30, 37), (15, 36, 42), (20, 29, 44), (29, 23, 41), (21, 31, 41), (5, 39, 44), (10, 38, 45),
(31, 21, 41), (25, 24, 44), (12, 10, 22), (10, 13, 23), (12, 11, 23), (18, 27, 45), (18, 35, 40), (32, 26, 35), (31, 14, 45),
(13, 12, 25), (13, 14, 27), (30, 25, 38), (20, 20, 40), (28, 29, 36), (14, 18, 32), (19, 28, 46), (28, 15, 43), (4, 38, 42),
(16, 17, 33), (17, 22, 39), (24, 19, 43), (22, 34, 37), (24, 27, 42), (34, 19, 40), (39, 11, 43), (33, 26, 34), (11, 36, 46).
 B_5 : (1, 5, 6), (5, 1, 6), (22, 35, 36), (3, 2, 5), (2, 7, 9), (30, 29, 34), (3, 8, 11), (8, 3, 11), (32, 1, 33), (40, 6, 46),
(4, 8, 12), (4, 9, 13), (4, 10, 14), (11, 35, 46), (13, 10, 23), (10, 14, 24), (32, 23, 38), (7, 42, 44), (31, 17, 45),
(21, 27, 45), (30, 19, 44), (24, 18, 42), (35, 19, 39), (20, 21, 41), (23, 34, 36), (12, 14, 26), (22, 32, 39), (2, 41, 43),
(12, 15, 27), (13, 15, 28), (27, 25, 41), (15, 16, 31), (29, 28, 36), (30, 21, 42), (25, 31, 37), (7, 19, 26), (9, 34, 43),
(17, 20, 37), (33, 17, 43), (18, 37, 38), (33, 20, 40), (22, 24, 46), (29, 16, 45), (28, 25, 40), (16, 38, 39), (18, 26, 44).
 B_6 : (6, 1, 7), (1, 7, 8), (7, 1, 8), (2, 8, 10), (2, 9, 11), (30, 24, 39), (6, 3, 9), (3, 10, 13), (34, 11, 45), (36, 13, 44),
(40, 11, 42), (21, 28, 44), (4, 12, 16), (12, 4, 16), (12, 5, 17), (5, 13, 18), (5, 14, 19), (33, 24, 36), (2, 35, 37),
(6, 14, 20), (24, 23, 46), (23, 27, 43), (21, 23, 44), (21, 29, 43), (15, 14, 29), (28, 27, 38), (3, 38, 41), (4, 39, 43),
(16, 15, 31), (20, 34, 39), (29, 26, 38), (26, 19, 45), (30, 31, 32), (27, 31, 35), (18, 17, 35), (9, 37, 46), (10, 41, 42),
(20, 17, 37), (32, 25, 36), (22, 25, 46), (30, 22, 41), (28, 32, 33), (26, 22, 45), (19, 34, 40), (15, 25, 40), (33, 18, 42).
 B_7 : (1, 8, 9), (8, 1, 9), (1, 9, 10), (17, 23, 40), (22, 28, 43), (8, 2, 10), (2, 5, 7), (3, 11, 14), (22, 29, 42), (39, 7, 46),
(12, 36, 45), (4, 6, 10), (11, 4, 15), (13, 5, 18), (31, 18, 44), (12, 6, 18), (15, 37, 41), (11, 34, 45), (21, 35, 37),
(25, 27, 41), (30, 23, 40), (14, 12, 26), (15, 13, 28), (13, 16, 29), (24, 25, 44), (16, 19, 35), (2, 42, 44), (17, 3, 20),
(19, 16, 35), (21, 26, 46), (6, 42, 45), (21, 17, 38), (19, 33, 41), (26, 24, 43), (27, 30, 36), (4, 32, 36), (5, 33, 38),
(29, 25, 39), (24, 22, 46), (27, 23, 43), (31, 30, 32), (32, 28, 33), (37, 3, 40), (34, 20, 39), (20, 14, 34), (7, 31, 38).
 B_8 : (9, 1, 10), (1, 10, 11), (10, 1, 11), (31, 13, 44), (41, 7, 45), (12, 2, 14), (3, 5, 8), (5, 3, 8), (35, 13, 45), (39, 12, 42),
(20, 33, 40), (18, 14, 32), (22, 12, 34), (34, 22, 37), (27, 29, 37), (18, 22, 40), (4, 5, 9), (26, 2, 28), (2, 32, 34),
(9, 4, 13), (19, 24, 43), (6, 15, 21), (15, 6, 21), (18, 29, 46), (7, 16, 23), (20, 35, 38), (4, 43, 46), (6, 27, 33),
(32, 17, 44), (8, 15, 23), (25, 28, 40), (35, 20, 38), (31, 29, 33), (31, 24, 38), (16, 21, 37), (7, 36, 43), (11, 30, 41),
(16, 23, 39), (17, 24, 41), (19, 26, 45), (25, 26, 42), (19, 25, 44), (28, 14, 42), (30, 27, 36), (3, 36, 39), (30, 17, 46).
 B_9 : (1, 11, 12), (11, 1, 12), (21, 25, 46), (25, 23, 45), (31, 9, 40), (2, 14, 16), (3, 7, 10), (13, 30, 43), (13, 36, 44),
(7, 3, 10), (3, 14, 17), (37, 13, 43), (17, 34, 42), (6, 4, 10), (21, 30, 42), (4, 16, 20), (38, 15, 40), (16, 33, 44),
(5, 15, 20), (33, 19, 41), (26, 32, 35), (6, 18, 24), (18, 6, 24), (7, 18, 25), (22, 20, 42), (1, 35, 36), (2, 45, 46),
(8, 19, 27), (19, 8, 27), (8, 21, 29), (29, 27, 37), (9, 22, 31), (9, 23, 32), (2, 12, 14), (29, 30, 34), (39, 4, 43), (39, 5, 44),
(28, 26, 39), (31, 28, 34), (23, 32, 38), (28, 24, 41), (22, 26, 45), (17, 36, 40), (33, 5, 38), (35, 11, 46), (37, 15, 41).
 B_{10} : (12, 1, 13), (27, 24, 42), (3, 43, 46), (30, 7, 37), (10, 2, 12), (28, 31, 34), (34, 15, 44), (41, 6, 46), (36, 2, 38),
(3, 16, 19), (13, 25, 38), (19, 32, 42), (16, 4, 20), (5, 10, 15), (1, 44, 45), (17, 5, 22), (25, 10, 35), (32, 18, 43),
(15, 3, 18), (6, 17, 23), (17, 6, 23), (7, 4, 11), (19, 7, 26), (8, 20, 28), (20, 8, 28), (4, 37, 41), (35, 12, 46), (35, 1, 36),
(21, 8, 29), (21, 9, 30), (22, 9, 31), (9, 24, 33), (31, 22, 40), (14, 29, 43), (21, 33, 39), (32, 13, 45), (27, 18, 45),
(24, 30, 39), (11, 38, 44), (26, 27, 40), (26, 33, 34), (14, 23, 37), (36, 5, 41), (14, 2, 16), (25, 29, 39), (11, 40, 42).
 B_{11} : (1, 14, 15), (14, 1, 15), (1, 15, 16), (38, 11, 44), (16, 2, 18), (33, 14, 46), (3, 9, 12), (2, 30, 32), (16, 25, 41),
(29, 24, 40), (39, 13, 41), (37, 17, 39), (4, 18, 22), (6, 5, 11), (5, 8, 13), (24, 33, 36), (43, 2, 45), (23, 29, 41), (3, 37, 40),
(19, 6, 25), (8, 5, 13), (6, 20, 26), (31, 11, 42), (17, 26, 43), (7, 20, 27), (20, 7, 27), (4, 42, 46), (4, 44, 45),
(21, 7, 28), (9, 10, 19), (10, 21, 31), (21, 10, 31), (32, 22, 39), (27, 32, 34), (35, 22, 36), (25, 17, 42), (8, 40, 45),
(9, 3, 12), (24, 34, 35), (26, 29, 38), (28, 30, 35), (34, 23, 36), (18, 28, 46), (12, 38, 43), (19, 30, 44), (33, 23, 37).
 B_{12} : (15, 1, 16), (1, 16, 17), (20, 30, 43), (34, 17, 42), (7, 38, 45), (15, 32, 46), (3, 18, 21), (23, 31, 39), (2, 28, 30),
(2, 40, 42), (3, 19, 22), (30, 14, 44), (46, 46, 1), (19, 4, 23), (13, 28, 41), (5, 7, 12), (9, 5, 14), (4, 33, 37), (27, 5, 32),
(20, 6, 26), (6, 21, 27), (6, 22, 28), (18, 20, 38), (7, 22, 29), (8, 23, 31), (16, 34, 43), (36, 8, 44), (9, 40, 44),
(24, 8, 32), (24, 9, 33), (10, 25, 35), (10, 26, 36), (11, 25, 36), (11, 26, 37), (11, 27, 38), (10, 31, 41), (39, 14, 40),
(25, 12, 37), (35, 15, 43), (13, 29, 42), (33, 12, 45), (2, 39, 41), (29, 19, 45), (18, 3, 21), (4, 13, 17), (16, 34, 43).
 B_{13} : (1, 17, 18), (33, 13, 46), (18, 1, 19), (15, 2, 17), (2, 19, 21), (19, 2, 21), (37, 11, 45), (23, 5, 28), (11, 3, 14),
(35, 16, 42), (4, 20, 24), (20, 4, 24), (9, 26, 35), (31, 15, 46), (25, 33, 35), (5, 20, 25), (4, 40, 44), (31, 5, 36),
(27, 11, 38), (33, 21, 39), (43, 6, 44), (14, 31, 45), (22, 7, 29), (7, 23, 30), (7, 29, 36), (6, 28, 34), (8, 32, 40),
(6, 8, 14), (8, 22, 30), (23, 9, 32), (9, 25, 34), (22, 30, 41), (10, 24, 34), (44, 3, 46), (10, 27, 37), (16, 29, 45), (28, 12, 40),
(26, 12, 38), (26, 10, 36), (13, 38, 42), (17, 37, 39), (18, 32, 43), (41, 1, 42), (16, 27, 43), (12, 3, 15), (13, 39, 41).
 B_{14} : (1, 19, 20), (19, 1, 20), (16, 13, 29), (17, 2, 19), (2, 21, 23), (21, 2, 23), (12, 30, 42), (7, 33, 40), (38, 5, 43),
(3, 22, 25), (22, 3, 25), (13, 4, 17), (20, 11, 31), (31, 27, 35), (10, 4, 14), (36, 15, 42), (28, 6, 34), (8, 29, 37),
(5, 22, 27), (28, 18, 46), (10, 5, 15), (18, 9, 27), (8, 25, 33), (37, 18, 38), (39, 9, 45), (24, 10, 34), (42, 1, 43),
(30, 11, 41), (29, 17, 46), (12, 32, 44), (26, 9, 35), (24, 16, 40), (26, 15, 41), (28, 11, 39), (8, 6, 14), (40, 3, 43),
(34, 13, 46), (6, 35, 41), (16, 32, 45), (14, 30, 44), (7, 24, 31), (44, 4, 45), (32, 7, 39), (12, 26, 38), (36, 36, 21), (23, 33, 37).
 B_{15} : (20, 1, 21), (1, 21, 22), (23, 22, 45), (18, 2, 20), (2, 20, 22), (12, 17, 29), (16, 3, 19), (37, 16, 40), (23, 19, 42),
(3, 23, 26), (34, 12, 46), (4, 24, 28), (10, 34, 44), (4, 25, 29), (14, 5, 19), (25, 18, 43), (2, 36, 38), (38, 9, 46),
(5, 25, 30), (10, 6, 16), (24, 15, 39), (11, 6, 17), (11, 29, 40), (10, 7, 17), (7, 26, 33), (11, 37, 45), (1, 31, 32),
(7, 27, 34), (8, 27, 35), (27, 15, 42), (8, 28, 36), (13, 33, 46), (9, 32, 41), (5, 40, 45), (30, 9, 39), (3, 35, 38), (31, 4, 35),
(37, 14, 42), (13, 8, 21), (32, 12, 44), (14, 36, 43), (30, 13, 43), (18, 31, 44), (6, 33, 39), (24, 28, 41), (15, 26, 41).
 B_{16} : (1, 22, 23), (13, 32, 45), (14, 34, 45), (20, 2, 22), (2, 24, 26), (34, 16, 43), (3, 25, 28), (24, 2, 26), (26, 16, 42),
(25, 3, 28), (22, 31, 40), (4, 17, 21), (17, 4, 21), (31, 25, 37), (28, 13, 41), (15, 5, 20), (1, 39, 40), (38, 3, 41),
(5, 27, 32), (5, 29, 34), (33, 16, 44), (13, 6, 19), (14, 6, 20), (19, 21, 40), (11, 7, 18), (4, 35, 39), (6, 29, 35),
(7, 12, 19), (11, 18, 29), (9, 8, 17), (8, 30, 38), (30, 8, 38), (9, 27, 36), (27, 9, 36), (18, 23, 41), (32, 10, 42),
(30, 15, 45), (37, 10, 46), (33, 10, 43), (11, 33, 44), (15, 31, 46), (23, 12, 35), (7, 39, 46), (1, 43, 44), (14, 37, 42).
 B_{17} : (23, 1, 24), (29, 10, 39), (24, 1, 25), (15, 23, 38), (19, 31, 43), (41, 10, 42), (13, 34, 46), (36, 17, 40), (11, 15, 26),
(23, 2, 25), (18, 36, 39), (2, 27, 29), (19, 3, 22), (32, 15, 46), (30, 18, 45), (21, 22, 43), (26, 3, 29), (44, 1, 45),
(18, 4, 22), (11, 5, 16), (4, 27, 31), (16, 5, 21), (28, 5, 33), (3, 17, 20), (21, 6, 27), (13, 24, 37), (14, 38, 41),
(34, 10, 44), (6, 30, 36), (26, 6, 32), (12, 7, 19), (13, 7, 20), (7, 28, 35), (14, 35, 44), (2, 37, 39), (4, 30, 34), (12, 24, 36),
(8, 12, 20), (32, 8, 40), (8, 33, 41), (9, 33, 42), (17, 28, 45), (37, 9, 46), (14, 11, 25), (16, 35, 42), (9, 31, 40), (38, 12, 43).
 B_{18} : (1, 25, 26), (25, 1, 26), (1, 26, 27), (14, 39, 40), (22, 2, 24), (8, 11, 19), (20, 3, 23), (34, 18, 41), (15, 34, 44),
(3, 21, 24), (3, 27, 30), (16, 31, 46), (28, 4, 32), (4, 29, 33), (18, 33, 42), (5, 30, 35), (28, 17, 45), (13, 37, 43),
(30, 5, 35), (12, 33, 45), (6, 23, 29), (12, 37, 44), (6, 31, 37), (6, 32, 38), (7, 14, 21), (5, 17, 22), (39, 2, 41),
(14, 7, 21), (29, 7, 36), (2, 22, 24), (11, 8, 19), (12, 8, 20), (10, 9, 19), (34, 9, 43), (9, 11, 20), (16, 28, 44), (18, 25, 43),
(36, 16, 41), (10, 35, 45), (36, 10, 46), (38, 13, 42), (15, 38, 40), (17, 15, 32), (42, 4, 46), (27, 13, 40), (31, 23, 39).
 B_{19} : (26, 1, 27), (1, 27, 28), (27, 1, 28), (4, 15, 19), (2, 29, 31), (29, 13, 42), (15, 17, 32), (16, 20, 36), (41, 2, 43),
(3, 29, 32), (8, 13, 21), (26, 23, 44), (11, 2, 13), (22, 4, 26), (30, 4, 34), (8, 37, 45), (20, 5, 25), (3, 40, 43), (5, 34, 39),
(5, 21, 36), (15, 22, 37), (32, 6, 38), (33, 6, 39), (6, 43, 44), (16, 7, 23), (18, 7, 25), (11, 19, 30), (12, 21, 33),
(33, 7, 40), (36, 19, 38), (8, 17, 25), (11, 9, 20), (9, 12, 21), (9, 14, 23), (3, 31, 34), (10, 39, 44), (24, 24, 45),
(10, 37, 46), (35, 10, 45), (38, 14, 41), (12, 35, 46), (17, 35, 41), (14, 28, 42), (22, 18, 40), (18, 24, 42), (30, 16, 46).
 B_{20} : (1, 28, 29), (28, 1, 29), (1, 29, 30), (25, 2, 27), (30, 2, 32), (2, 31, 33), (18, 19, 37), (42, 6, 45), (16, 12, 28),

- (21, 5, 26), (26, 4, 30), (32, 4, 36), (11, 39, 43), (20, 27, 46), (36, 12, 45), (5, 32, 37), (24, 14, 38), (20, 15, 35), (5, 16, 21), (10, 23, 33), (22, 23, 45), (25, 6, 31), (13, 31, 44), (22, 17, 39), (7, 17, 24), (7, 34, 41), (21, 19, 40), (3, 39, 42), (34, 7, 41), (17, 8, 25), (8, 34, 42), (8, 35, 43), (4, 11, 15), (14, 9, 23), (9, 35, 44), (38, 6, 44), (24, 3, 27), (40, 10, 43), (10, 36, 46), (14, 33, 46), (20, 18, 38), (19, 18, 37), (40, 12, 41), (15, 11, 26), (9, 13, 22), (13, 3, 16).
- B_{21} : (29, 1, 30), (1, 30, 31), (30, 1, 31), (27, 2, 29), (31, 2, 33), (32, 2, 34), (36, 7, 43), (11, 10, 21), (15, 8, 23), (37, 12, 44), (32, 3, 35), (20, 19, 39), (29, 6, 35), (23, 4, 27), (12, 28, 40), (32, 20, 41), (8, 38, 46), (3, 42, 45), (5, 42, 46), (5, 36, 41), (3, 13, 16), (6, 37, 43), (37, 6, 43), (22, 19, 41), (17, 18, 35), (17, 7, 24), (4, 36, 40), (38, 4, 42), (25, 19, 44), (9, 16, 25), (18, 8, 26), (9, 15, 24), (15, 7, 22), (9, 38, 46), (26, 14, 40), (22, 5, 27), (21, 18, 39), (14, 10, 24), (20, 25, 45), (23, 10, 33), (17, 11, 28), (12, 16, 28), (13, 21, 34), (26, 13, 39), (34, 14, 45), (33, 11, 44).
- B_{22} : (31, 1, 32), (12, 39, 42), (1, 36, 37), (2, 33, 35), (10, 15, 25), (2, 34, 36), (27, 3, 30), (23, 20, 43), (35, 9, 44), (31, 3, 34), (33, 3, 36), (27, 4, 31), (37, 4, 41), (40, 4, 44), (5, 24, 29), (6, 10, 16), (19, 23, 42), (7, 13, 20), (25, 5, 30), (32, 11, 43), (11, 13, 24), (6, 26, 32), (24, 21, 45), (18, 21, 39), (18, 16, 34), (19, 14, 33), (5, 2, 7), (22, 15, 37), (14, 8, 22), (23, 25, 45), (38, 8, 46), (40, 8, 45), (29, 18, 46), (9, 17, 26), (17, 9, 26), (13, 1, 14), (6, 40, 46), (19, 22, 41), (10, 28, 38), (11, 17, 28), (28, 21, 44), (38, 16, 39), (35, 7, 42), (15, 12, 27), (29, 12, 41), (30, 20, 43).
- B_{23} : (36, 1, 37), (1, 37, 38), (37, 1, 38), (34, 2, 36), (28, 20, 45), (21, 14, 35), (42, 2, 44), (43, 4, 46), (20, 9, 29), (39, 3, 42), (3, 41, 44), (41, 3, 44), (11, 32, 43), (35, 4, 39), (4, 41, 45), (5, 26, 31), (17, 13, 30), (11, 14, 25), (26, 5, 31), (35, 5, 40), (25, 22, 46), (27, 6, 33), (10, 18, 28), (13, 27, 40), (26, 7, 33), (23, 7, 30), (15, 18, 33), (27, 7, 34), (17, 12, 29), (23, 8, 31), (6, 16, 22), (6, 16, 22), (22, 6, 28), (39, 8, 46), (15, 10, 25), (10, 40, 43), (2, 18, 20), (15, 9, 24), (14, 16, 30), (19, 29, 45), (16, 8, 24), (17, 21, 38), (11, 23, 34), (24, 12, 36), (13, 19, 32), (12, 9, 21), (32, 19, 42).
- B_{24} : (1, 38, 39), (1, 23, 24), (21, 32, 40), (35, 2, 37), (38, 2, 40), (8, 14, 22), (7, 25, 32), (38, 10, 45), (2, 16, 18), (34, 3, 37), (3, 44, 46), (4, 22, 26), (6, 13, 19), (5, 41, 46), (41, 5, 46), (42, 7, 44), (20, 23, 43), (18, 5, 23), (9, 6, 15), (26, 8, 34), (28, 8, 36), (12, 40, 41), (9, 20, 29), (10, 16, 26), (36, 6, 42), (24, 13, 37), (4, 28, 32), (31, 12, 43), (10, 17, 27), (13, 17, 30), (11, 24, 35), (15, 15, 30), (11, 16, 27), (28, 7, 35), (18, 11, 29), (33, 1, 34), (30, 3, 33), (27, 17, 44), (14, 22, 36), (12, 19, 31), (31, 19, 43), (25, 14, 39), (21, 21, 42), (9, 39, 45), (29, 4, 33), (25, 20, 45).
- B_{25} : (1, 40, 41), (20, 26, 46), (42, 3, 45), (18, 10, 28), (1, 24, 25), (40, 5, 45), (29, 3, 32), (6, 38, 44), (37, 2, 39), (19, 12, 31), (24, 26, 43), (13, 26, 39), (5, 37, 42), (7, 10, 17), (9, 21, 30), (6, 41, 46), (4, 21, 25), (14, 17, 31), (7, 32, 39), (22, 13, 35), (8, 36, 44), (14, 19, 33), (9, 36, 45), (12, 23, 35), (22, 14, 36), (23, 15, 38), (25, 28, 43), (20, 10, 30), (29, 11, 40), (18, 34, 41), (16, 11, 27), (19, 11, 30), (28, 3, 31), (33, 2, 35), (25, 4, 29), (34, 4, 38), (2, 15, 17), (24, 32, 37), (33, 9, 42), (12, 34, 46), (8, 8, 16), (22, 27, 44), (27, 16, 43), (7, 6, 13), (5, 18, 23), (1, 20, 21).
- B_{26} : (43, 1, 44), (19, 9, 28), (45, 2, 46), (14, 13, 27), (2, 25, 27), (41, 4, 45), (21, 16, 37), (9, 30, 39), (8, 31, 39), (17, 10, 27), (37, 7, 44), (13, 11, 24), (15, 30, 45), (7, 40, 46), (1, 34, 35), (29, 9, 38), (36, 4, 40), (25, 16, 41), (11, 20, 31), (20, 12, 32), (28, 10, 38), (25, 7, 32), (6, 36, 42), (13, 20, 33), (11, 22, 33), (29, 5, 34), (2, 17, 19), (8, 41, 44), (5, 19, 24), (12, 22, 34), (15, 35, 43), (17, 1, 18), (23, 28, 42), (8, 4, 12), (31, 6, 37), (3, 30, 33), (43, 3, 46), (18, 18, 36), (14, 21, 35), (10, 32, 42), (23, 6, 29), (14, 26, 40), (23, 3, 26), (15, 24, 39), (5, 21, 26), (22, 16, 38).
- B_{27} : (40, 7, 46), (29, 21, 43), (37, 8, 45), (2, 43, 45), (9, 2, 11), (36, 9, 45), (30, 10, 40), (4, 7, 11), (1, 13, 14), (22, 11, 33), (17, 25, 42), (32, 5, 37), (4, 26, 30), (2, 8, 35), (21, 15, 36), (27, 19, 46), (17, 16, 33), (15, 2, 23), (14, 32, 46), (24, 20, 44), (6, 12, 18), (34, 5, 39), (16, 26, 42), (41, 8, 44), (12, 18, 30), (37, 5, 42), (34, 1, 35), (25, 15, 40), (28, 16, 44), (14, 24, 38), (23, 18, 41), (19, 10, 29), (3, 28, 31), (26, 17, 43), (19, 20, 39), (6, 25, 31), (22, 10, 32), (9, 29, 38), (3, 20, 23), (27, 12, 39), (24, 4, 28), (2, 13, 15), (35, 6, 41), (31, 7, 38), (3, 33, 36), (21, 13, 34).
- B_{28} : (28, 9, 37), (5, 43, 45), (6, 39, 45), (10, 20, 30), (26, 18, 44), (29, 2, 31), (5, 28, 33), (7, 2, 9), (4, 34, 38), (1, 12, 13), (15, 27, 42), (26, 20, 46), (16, 37, 40), (10, 22, 32), (25, 11, 36), (13, 22, 35), (6, 9, 15), (21, 3, 24), (1, 45, 46), (7, 11, 18), (17, 14, 31), (3, 4, 7), (16, 36, 41), (25, 8, 33), (18, 12, 30), (25, 13, 38), (32, 14, 46), (4, 19, 23), (23, 17, 40), (34, 21, 38), (19, 5, 24), (40, 2, 42), (16, 6, 22), (36, 14, 43), (35, 17, 41), (1, 41, 42), (3, 24, 27), (31, 8, 39), (29, 20, 44), (11, 21, 32), (29, 8, 37), (10, 33, 43), (12, 27, 39), (23, 26, 44), (30, 28, 35), (15, 19, 34).
- B_{29} : (8, 24, 32), (3, 32, 35), (16, 10, 26), (19, 36, 38), (14, 25, 39), (21, 1, 22), (5, 38, 43), (6, 11, 17), (7, 15, 22), (24, 11, 35), (2, 44, 46), (9, 19, 28), (6, 24, 30), (17, 27, 44), (43, 5, 45), (6, 34, 40), (17, 31, 45), (9, 18, 27), (4, 31, 35), (20, 22, 42), (25, 9, 34), (7, 37, 44), (36, 20, 37), (28, 23, 42), (10, 30, 40), (8, 39, 46), (10, 19, 29), (2, 12, 15), (1, 33, 34), (3, 26, 29), (23, 16, 39), (3, 15, 18), (20, 13, 33), (33, 8, 41), (23, 13, 36), (12, 29, 41), (4, 1, 5), (26, 11, 37), (12, 31, 43), (32, 16, 45), (27, 14, 41), (4, 14, 18), (25, 21, 46), (7, 21, 28), (30, 12, 42), (2, 38, 40).
- B_{30} : (44, 2, 46), (13, 23, 36), (2, 10, 12), (45, 1, 46), (30, 6, 36), (35, 3, 38), (7, 5, 12), (20, 24, 44), (27, 21, 45), (4, 23, 27), (22, 33, 38), (38, 1, 39), (31, 10, 41), (10, 29, 39), (17, 33, 43), (3, 34, 37), (24, 5, 29), (41, 9, 43), (20, 28, 45), (34, 8, 42), (26, 26, 41), (28, 2, 30), (7, 35, 42), (14, 3, 17), (26, 31, 36), (32, 21, 40), (22, 8, 30), (24, 7, 31), (15, 4, 19), (16, 1, 17), (42, 8, 43), (18, 15, 33), (16, 9, 25), (14, 4, 18), (6, 19, 25), (11, 28, 39), (5, 11, 16), (23, 14, 43), (12, 25, 37), (34, 6, 40), (29, 15, 44), (35, 18, 40), (27, 20, 46), (13, 9, 22), (21, 11, 32), (19, 13, 32).
- B_{31} : (21, 12, 33), (31, 16, 46), (16, 24, 40), (32, 9, 41), (5, 35, 40), (19, 17, 36), (18, 13, 31), (39, 6, 45), (23, 11, 34), (5, 23, 28), (18, 30, 45), (35, 14, 44), (24, 6, 30), (21, 4, 25), (38, 7, 45), (20, 16, 36), (1, 42, 43), (2, 23, 25), (29, 14, 43), (39, 10, 44), (12, 20, 32), (19, 15, 34), (5, 9, 14), (8, 26, 34), (24, 17, 41), (1, 6, 7), (4, 3, 7), (2, 11, 13), (29, 22, 42), (27, 10, 37), (33, 22, 38), (27, 22, 44), (11, 31, 42), (35, 8, 43), (10, 3, 13), (3, 12, 15), (15, 21, 36), (9, 28, 37), (17, 29, 46), (19, 27, 46), (2, 26, 28), (39, 1, 40), (33, 4, 37), (20, 32, 41), (8, 18, 26), (25, 30, 38).
- (o) A $DCTS(99; 1^* 3^{30} 6^1) = (\mathbb{Z}_{99}, \mathcal{A}_1, \dots, \mathcal{A}_{32})$, the set of difference triples \mathcal{B}_i of \mathcal{A}_i ($1 \leq i \leq 32$) is listed below:
- B_1 : (2, 1, 3), (4, 5, 9), (7, 6, 13), (8, 10, 18), (12, 11, 23), (14, 21, 35), (15, 36, 48), (16, 34, 49), (32, 26, 41), (17, 37, 45), (19, 38, 42), (20, 39, 40), (22, 30, 47), (29, 24, 46), (25, 31, 43), (27, 28, 44), (33, 33, 33).
- B_2 : (38, 15, 46), (24, 27, 48), (8, 21, 29), (26, 22, 48), (5, 5, 10), (6, 6, 12), (7, 7, 14), (10, 15, 25), (2, 4, 6), (33, 1, 34), (9, 9, 18), (42, 7, 49), (11, 11, 22), (5, 25, 30), (39, 8, 47), (14, 14, 28), (16, 16, 32), (17, 17, 34), (3, 44, 47), (8, 32, 40), (27, 18, 45), (12, 41, 46), (11, 34, 45), (33, 20, 46), (4, 16, 20), (20, 35, 44), (17, 18, 35), (4, 19, 23), (2, 22, 24), (29, 3, 32), (31, 31, 37), (28, 21, 49), (43, 43, 13), (28, 30, 41), (36, 36, 27), (37, 37, 25), (38, 38, 23), (39, 39, 21), (12, 24, 36), (40, 40, 19), (42, 42, 15), (13, 13, 26), (2, 31, 33), (35, 19, 45), (1, 9, 10), (1, 48, 49), (23, 29, 47), (41, 3, 44), (30, 26, 43).
- B_3 : (15, 15, 30), (41, 7, 48), (25, 25, 49), (26, 26, 47), (28, 20, 48), (10, 7, 17), (7, 23, 30), (20, 36, 43), (23, 37, 39), (6, 13, 19), (47, 47, 5), (49, 49, 1), (1, 3, 4), (35, 35, 29), (17, 24, 41), (28, 33, 38), (13, 20, 33), (14, 10, 24), (29, 6, 35), (3, 19, 22), (14, 18, 32), (8, 19, 27), (22, 16, 38), (39, 9, 48), (26, 30, 43), (29, 11, 40), (32, 12, 44), (11, 42, 46), (9, 34, 43), (27, 33, 39), (12, 42, 45), (16, 25, 41), (21, 10, 31), (23, 17, 40), (2, 32, 34), (13, 21, 34), (9, 36, 45), (12, 15, 27), (4, 42, 46), (2, 3, 5), (1, 4, 5), (2, 6, 8), (44, 44, 11), (31, 28, 40), (8, 37, 45), (18, 18, 36), (24, 14, 38), (16, 21, 37), (22, 31, 46).
- B_4 : (48, 48, 3), (17, 7, 24), (1, 5, 6), (23, 1, 24), (16, 20, 36), (33, 31, 35), (12, 35, 47), (18, 31, 49), (27, 32, 40), (9, 29, 38), (7, 24, 31), (34, 13, 47), (20, 21, 41), (42, 6, 48), (4, 13, 17), (6, 26, 32), (25, 8, 33), (20, 3, 23), (10, 36, 46), (42, 11, 46), (26, 34, 39), (7, 12, 19), (26, 11, 37), (14, 22, 36), (38, 14, 47), (21, 35, 43), (40, 15, 44), (17, 40, 42), (10, 27, 37), (22, 23, 45), (4, 1, 5), (16, 12, 28), (13, 2, 15), (18, 15, 33), (2, 16, 18), (2, 19, 21), (25, 19, 44), (30, 8, 38), (22, 32, 45), (9, 41, 49), (39, 4, 43), (25, 29, 45), (8, 41, 49), (3, 11, 14), (5, 29, 34), (9, 28, 37), (30, 30, 39), (10, 43, 46), (28, 27, 44).
- B_5 : (6, 1, 7), (7, 1, 8), (1, 32, 33), (37, 11, 48), (20, 8, 28), (7, 22, 29), (10, 14, 24), (4, 40, 44), (6, 35, 41), (5, 40, 45), (11, 43, 45), (46, 4, 49), (11, 32, 43), (6, 2, 8), (2, 23, 25), (5, 26, 31), (25, 26, 48), (31, 9, 40), (2, 12, 14), (27, 15, 42), (26, 16, 42), (14, 34, 48), (29, 18, 47), (28, 28, 43), (38, 12, 49), (20, 27, 47), (30, 19, 49), (20, 5, 25), (39, 19, 41), (10, 29, 39),

$(13, 22, 35), (10, 34, 44), (23, 9, 32), (23, 18, 41), (33, 3, 36), (4, 30, 34), (16, 30, 46), (3, 12, 15), (3, 13, 16), (35, 18, 46),$
 $(37, 15, 47), (21, 36, 42), (19, 17, 36), (24, 13, 37), (33, 27, 39), (21, 24, 45), (21, 17, 38), (17, 38, 44), (9, 22, 31),$
 $B_6: (10, 1, 11), (11, 1, 12), (12, 1, 13), (7, 14, 21), (5, 2, 7), (2, 7, 9), (2, 21, 23), (16, 27, 43), (8, 44, 47), (35, 9, 44), (33, 16, 49),$
 $(4, 44, 48), (37, 19, 43), (34, 6, 40), (30, 21, 48), (39, 17, 43), (5, 20, 25), (29, 28, 42), (14, 3, 17), (19, 35, 45), (30, 16, 46),$
 $(20, 38, 41), (14, 8, 22), (6, 3, 9), (33, 5, 38), (34, 18, 47), (3, 10, 13), (10, 26, 36), (31, 23, 45), (28, 4, 32), (8, 29, 37),$
 $(19, 27, 46), (20, 39, 40), (25, 13, 38), (32, 31, 36), (40, 11, 48), (12, 34, 46), (4, 18, 22), (6, 23, 29), (25, 27, 47),$
 $(15, 30, 45), (15, 24, 39), (24, 26, 49), (33, 24, 42), (28, 35, 36), (41, 41, 17), (32, 18, 49), (22, 15, 37), (31, 26, 42),$
 $B_7: (1, 14, 15), (15, 1, 16), (2, 15, 17), (16, 2, 18), (29, 26, 44), (46, 46, 7), (4, 3, 7), (17, 34, 48), (38, 5, 43), (41, 8, 49),$
 $(3, 8, 11), (24, 9, 33), (4, 43, 47), (31, 20, 48), (22, 25, 47), (11, 8, 19), (36, 21, 42), (11, 12, 23), (32, 10, 32), (41, 12, 46),$
 $(9, 12, 21), (35, 13, 48), (16, 34, 49), (39, 13, 47), (10, 17, 27), (22, 22, 44), (25, 31, 43), (38, 20, 41), (35, 27, 37),$
 $(19, 19, 38), (21, 6, 27), (28, 31, 40), (4, 6, 10), (20, 29, 49), (28, 14, 42), (5, 18, 23), (34, 25, 40), (24, 5, 29), (45, 45, 9),$
 $(37, 18, 44), (24, 6, 30), (36, 3, 39), (33, 30, 36), (26, 33, 40), (13, 1, 14), (2, 37, 39), (28, 26, 45), (23, 7, 30), (32, 32, 35),$
 $B_8: (16, 1, 17), (31, 33, 35), (1, 7, 8), (6, 34, 40), (2, 20, 22), (23, 2, 25), (10, 3, 13), (11, 3, 14), (13, 3, 16), (24, 25, 49), (18, 17, 35),$
 $(7, 5, 12), (27, 7, 34), (8, 8, 16), (22, 35, 42), (10, 41, 48), (6, 4, 10), (36, 13, 49), (39, 11, 49), (17, 28, 45), (30, 29, 40),$
 $(4, 11, 15), (20, 32, 47), (20, 25, 45), (37, 24, 38), (19, 9, 28), (1, 36, 37), (14, 5, 19), (18, 5, 23), (2, 30, 32), (32, 21, 46),$
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 $(36, 19, 44), (4, 38, 42), (33, 23, 43), (27, 29, 43), (24, 37, 38), (33, 26, 40), (44, 9, 46), (29, 12, 41), (15, 39, 45),$
 $B_9: (20, 1, 21), (1, 21, 22), (31, 30, 38), (2, 33, 35), (19, 25, 44), (18, 23, 41), (2, 38, 40), (35, 28, 36), (4, 4, 48),$
 $(27, 22, 49), (7, 8, 15), (4, 8, 12), (9, 4, 13), (5, 10, 15), (9, 20, 29), (28, 32, 39), (8, 34, 42), (21, 1, 22), (34, 3, 37), (37, 2, 39),$
 $(12, 20, 32), (31, 15, 46), (10, 6, 16), (9, 16, 25), (7, 45, 47), (13, 30, 43), (5, 6, 11), (5, 12, 17), (27, 26, 46), (24, 17, 41),$
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 $(14, 36, 49), (11, 40, 48), (26, 24, 49), (14, 29, 43), (36, 26, 37), (16, 39, 44), (14, 31, 45), (27, 25, 47), (3, 35, 38),$
 $B_{10}: (22, 1, 23), (7, 43, 49), (24, 1, 25), (19, 31, 49), (27, 2, 29), (2, 28, 30), (15, 3, 18), (26, 35, 38), (8, 6, 14), (5, 8, 13),$
 $(17, 3, 20), (27, 11, 38), (34, 29, 36), (2, 43, 45), (10, 4, 14), (3, 43, 46), (29, 31, 39), (41, 16, 42), (44, 7, 48), (5, 28, 33),$
 $(13, 5, 18), (18, 37, 44), (17, 15, 32), (8, 20, 28), (11, 39, 49), (20, 10, 30), (13, 32, 45), (21, 16, 37), (10, 31, 41), (9, 7, 16),$
 $(4, 36, 40), (21, 23, 44), (23, 12, 35), (15, 6, 21), (25, 9, 34), (12, 12, 24), (25, 32, 42), (9, 24, 33), (1, 45, 46), (40, 6, 46),$
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 $B_{11}: (1, 25, 26), (26, 28, 45), (26, 1, 27), (2, 10, 12), (30, 2, 32), (31, 2, 33), (3, 18, 21), (36, 11, 47), (3, 46, 49), (34, 27, 38),$
 $(19, 3, 22), (16, 40, 43), (4, 12, 16), (4, 14, 18), (29, 29, 41), (11, 10, 21), (37, 17, 45), (31, 11, 42), (37, 14, 48), (40, 1, 41),$
 $(7, 25, 32), (5, 15, 20), (15, 5, 20), (12, 4, 16), (13, 6, 19), (22, 13, 35), (8, 33, 41), (8, 31, 39), (39, 18, 42), (44, 4, 48),$
 $(8, 22, 30), (23, 36, 40), (10, 35, 45), (28, 15, 43), (29, 20, 49), (25, 35, 39), (24, 19, 43), (9, 23, 32), (38, 17, 44),$
 $(24, 24, 48), (28, 9, 37), (14, 33, 47), (27, 34, 38), (9, 21, 30), (36, 17, 46), (46, 6, 47), (44, 5, 49), (6, 7, 13), (34, 23, 42),$
 $B_{12}: (1, 28, 29), (14, 42, 43), (35, 11, 46), (2, 34, 36), (44, 10, 45), (2, 36, 38), (3, 20, 23), (35, 3, 38), (1, 27, 28), (5, 7, 12),$
 $(22, 3, 25), (18, 19, 37), (33, 29, 37), (16, 26, 42), (4, 20, 24), (5, 11, 16), (5, 36, 41), (32, 15, 47), (2, 46, 48), (18, 4, 22),$
 $(26, 32, 41), (33, 11, 44), (34, 15, 49), (12, 6, 18), (19, 6, 25), (7, 10, 17), (14, 7, 21), (17, 13, 30), (40, 4, 44), (31, 16, 47),$
 $(17, 23, 47), (25, 23, 48), (13, 8, 21), (23, 31, 45), (28, 1, 29), (8, 24, 32), (12, 21, 33), (26, 27, 46), (9, 8, 17), (6, 43, 49),$
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 $B_{13}: (1, 13, 14), (32, 1, 33), (3, 33, 36), (20, 34, 45), (36, 4, 40), (4, 37, 41), (2, 40, 42), (32, 2, 34), (20, 30, 49), (19, 38, 42),$
 $(40, 5, 45), (5, 41, 46), (2, 14, 16), (37, 6, 43), (6, 39, 45), (15, 18, 33), (28, 7, 35), (31, 19, 49), (20, 24, 44),$
 $(7, 29, 36), (12, 10, 22), (8, 35, 43), (25, 6, 31), (8, 43, 48), (35, 16, 48), (23, 21, 44), (9, 39, 48), (29, 15, 44), (15, 9, 24),$
 $(12, 27, 39), (25, 22, 47), (16, 10, 26), (10, 22, 32), (38, 9, 47), (30, 23, 46), (11, 14, 25), (3, 24, 27), (17, 11, 28),$
 $(27, 23, 49), (3, 1, 4), (30, 17, 47), (38, 19, 42), (17, 12, 29), (13, 18, 31), (21, 13, 34), (11, 26, 37), (7, 21, 28),$
 $B_{14}: (45, 5, 49), (46, 5, 48), (22, 4, 26), (4, 21, 25), (44, 3, 47), (4, 5, 9), (44, 6, 49), (45, 6, 48), (1, 2, 3), (16, 31, 47), (16, 36, 47),$
 $(39, 6, 45), (7, 37, 44), (17, 20, 37), (7, 39, 46), (39, 7, 46), (1, 37, 38), (43, 8, 48), (33, 9, 42), (25, 17, 42), (34, 24, 41),$
 $(23, 10, 33), (28, 2, 30), (18, 10, 28), (27, 1, 28), (23, 35, 41), (10, 40, 49), (30, 33, 36), (11, 23, 34), (21, 22, 43), (12, 9, 21),$
 $(11, 24, 35), (25, 11, 36), (26, 15, 41), (15, 20, 35), (2, 29, 31), (18, 12, 30), (12, 19, 31), (8, 26, 34), (29, 13, 42),$
 $(14, 24, 38), (8, 14, 22), (29, 14, 43), (32, 27, 40), (13, 19, 32), (13, 27, 40), (18, 20, 38), (3, 16, 19), (15, 17, 32),$
 $B_{15}: (3, 2, 5), (26, 6, 32), (5, 16, 21), (27, 35, 37), (30, 3, 43), (5, 3, 8), (35, 4, 39), (23, 6, 29), (32, 22, 45), (7, 27, 34),$
 $(6, 18, 24), (7, 2, 9), (4, 25, 29), (20, 17, 37), (18, 7, 25), (8, 40, 48), (8, 45, 46), (9, 35, 44), (2, 48, 49), (20, 4, 24), (18, 26, 44),$
 $(41, 1, 42), (40, 10, 49), (41, 10, 48), (1, 42, 43), (19, 14, 33), (11, 22, 33), (11, 31, 42), (11, 36, 47), (12, 26, 38), (15, 16, 31),$
 $(13, 24, 37), (30, 1, 31), (28, 10, 38), (14, 39, 46), (17, 30, 47), (43, 9, 47), (27, 12, 39), (12, 28, 40), (17, 32, 49),$
 $(16, 29, 45), (13, 23, 36), (22, 21, 43), (28, 13, 41), (14, 20, 34), (15, 19, 34), (23, 15, 38), (19, 36, 44), (21, 25, 46),$
 $B_{16}: (16, 5, 21), (21, 5, 26), (16, 3, 19), (30, 25, 44), (26, 5, 31), (43, 7, 49), (7, 41, 48), (3, 38, 41), (1, 46, 47), (24, 11, 35),$
 $(14, 30, 44), (8, 7, 15), (2, 18, 20), (20, 12, 32), (2, 2, 4), (45, 4, 49), (12, 13, 25), (22, 29, 48), (37, 10, 47),$
 $(19, 34, 46), (31, 6, 37), (27, 9, 36), (36, 24, 39), (37, 23, 39), (27, 13, 40), (29, 30, 40), (42, 1, 43), (1, 16, 17), (36, 18, 45),$
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 $(16, 23, 39), (22, 38, 39), (6, 27, 33), (35, 23, 41), (17, 4, 21), (10, 28, 38), (11, 18, 29), (24, 22, 46), (28, 12, 40), (8, 9, 17),$
 $B_{17}: (5, 24, 29), (19, 15, 34), (5, 13, 18), (8, 4, 12), (3, 7, 10), (21, 12, 33), (13, 40, 46), (32, 24, 43), (15, 23, 38), (16, 19, 35),$
 $(6, 37, 43), (27, 20, 47), (26, 7, 33), (14, 40, 45), (31, 10, 41), (20, 37, 42), (37, 7, 44), (21, 29, 49), (5, 30, 35), (1, 47, 48),$
 $(16, 23, 39), (33, 15, 47), (36, 15, 48), (8, 30, 38), (22, 19, 41), (9, 25, 34), (25, 16, 41), (36, 14, 49), (28, 22, 49),$
 $(27, 17, 44), (42, 12, 45), (2, 1, 3), (8, 1, 9), (6, 25, 31), (4, 28, 32), (32, 4, 36), (17, 39, 43), (39, 14, 46), (2, 11, 13),$
 $(18, 11, 29), (2, 24, 26), (28, 6, 34), (11, 20, 31), (27, 30, 42), (18, 22, 40), (21, 33, 45), (38, 10, 48), (9, 44, 46), (23, 3, 26),$
 $B_{18}: (35, 12, 47), (33, 25, 41), (25, 2, 27), (16, 33, 49), (3, 17, 20), (32, 11, 43), (43, 3, 46), (10, 32, 42), (5, 1, 6), (14, 6, 20),$
 $(24, 29, 46), (4, 26, 30), (34, 28, 37), (17, 14, 31), (32, 28, 39), (18, 34, 47), (14, 9, 23), (34, 11, 45), (3, 15, 18), (5, 39, 44),$
 $(38, 7, 45), (13, 9, 22), (10, 13, 23), (18, 35, 46), (31, 24, 44), (29, 21, 49), (1, 20, 21), (19, 23, 42), (9, 1, 10), (15, 2, 17),$
 $(6, 24, 40), (33, 7, 40), (12, 25, 37), (28, 29, 42), (8, 36, 44), (8, 5, 13), (41, 4, 45), (22, 26, 48), (21, 38, 40), (40, 8, 48),$
 $(36, 16, 47), (36, 12, 48), (15, 41, 43), (27, 4, 31), (19, 30, 49), (38, 22, 39), (7, 19, 26), (16, 11, 27), (2, 35, 37),$
 $B_{19}: (1, 30, 31), (1, 34, 35), (33, 15, 48), (38, 2, 40), (30, 32, 37), (15, 37, 47), (3, 23, 26), (25, 28, 46), (43, 6, 49), (29, 16, 45),$
 $(3, 25, 28), (21, 4, 25), (31, 32, 36), (4, 23, 27), (5, 17, 22), (17, 5, 22), (19, 5, 24), (11, 6, 17), (2, 39, 41), (42, 14, 43),$
 $(33, 14, 47), (6, 20, 26), (14, 35, 49), (24, 3, 27), (11, 37, 48), (7, 28, 35), (18, 40, 41), (19, 11, 30), (43, 4, 47), (45, 1, 46),$
 $(12, 7, 19), (7, 16, 23), (10, 8, 18), (8, 13, 21), (39, 12, 48), (20, 20, 40), (29, 32, 38), (18, 9, 27), (8, 42, 49), (13, 41, 45),$
 $(29, 9, 38), (9, 33, 42), (15, 21, 36), (34, 12, 46), (13, 31, 44), (34, 10, 44), (26, 10, 36), (22, 2, 24), (39, 16, 44),$
 $B_{20}: (35, 1, 36), (1, 38, 39), (38, 1, 39), (41, 2, 43), (2, 42, 44), (41, 13, 45), (25, 3, 28), (18, 27, 45), (37, 16, 46), (4, 47, 48),$
 $(26, 3, 29), (23, 13, 36), (4, 24, 28), (32, 16, 48), (5, 21, 26), (23, 24, 47), (22, 5, 27), (22, 11, 33), (34, 30, 35), (6, 40, 46),$
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 $(16, 17, 33), (8, 17, 25), (8, 23, 31), (21, 14, 35), (29, 8, 37), (21, 19, 40), (9, 10, 19), (37, 20, 42), (22, 28, 49), (5, 19, 24),$
 $(31, 18, 49), (9, 31, 40), (20, 14, 34), (4, 9, 13), (10, 20, 30), (39, 10, 49), (14, 15, 29), (34, 7, 41), (46, 2, 48),$
 $B_{21}: (1, 39, 40), (39, 1, 40), (1, 40, 41), (2, 44, 46), (45, 2, 47), (2, 47, 49), (3, 27, 30), (27, 3, 30), (23, 14, 37), (33, 12, 45),$
 $(3, 28, 31), (18, 38, 43), (26, 4, 30), (17, 25, 42), (38, 18, 43), (5, 27, 32), (34, 14, 48), (6, 16, 22), (32, 33, 34), (36, 7, 43),$
 $(16, 6, 22), (35, 17, 47), (7, 15, 22), (7, 17, 24), (23, 5, 28), (8, 11, 19), (8, 16, 24), (15, 33, 48), (14, 41, 44), (12, 32, 44),$
 $(15, 4, 19), (13, 26, 39), (23, 8, 31), (9, 11, 20), (25, 24, 49), (20, 9, 29), (37, 21, 41), (19, 10, 29), (28, 18, 46), (29, 34, 36),$

(9, 26, 35), (20, 31, 48), (21, 21, 42), (36, 10, 46), (35, 10, 45), (37, 13, 49), (38, 4, 42), (13, 12, 25), (6, 5, 11).

B_{22} : (1, 41, 42), (14, 38, 47), (43, 1, 44), (11, 2, 13), (48, 2, 49), (40, 2, 42), (3, 31, 34), (3, 34, 37), (6, 14, 20), (9, 38, 47), (3, 36, 39), (4, 29, 33), (29, 4, 33), (30, 4, 34), (31, 12, 43), (5, 35, 40), (17, 36, 46), (30, 28, 41), (17, 6, 23), (25, 20, 45), (6, 29, 35), (35, 25, 39), (13, 15, 28), (15, 7, 22), (43, 10, 46), (19, 7, 26), (11, 19, 30), (7, 9, 16), (36, 5, 41), (23, 22, 45), (16, 8, 24), (32, 8, 40), (16, 38, 45), (28, 5, 33), (32, 19, 48), (8, 12, 20), (18, 32, 49), (26, 18, 44), (26, 21, 47), (15, 22, 37), (24, 31, 44), (9, 37, 46), (21, 27, 48), (10, 11, 21), (23, 27, 49), (17, 10, 27), (25, 14, 39), (18, 24, 42), (1, 12, 13).

B_{23} : (46, 1, 47), (24, 32, 43), (1, 18, 19), (39, 3, 42), (3, 40, 43), (12, 2, 14), (3, 41, 44), (36, 2, 38), (16, 32, 48), (18, 6, 24), (2, 17, 19), (4, 31, 35), (31, 4, 35), (4, 33, 37), (31, 5, 36), (32, 5, 37), (30, 5, 35), (23, 25, 48), (6, 19, 25), (23, 23, 46), (6, 33, 39), (30, 27, 42), (11, 28, 39), (20, 7, 27), (21, 7, 28), (22, 7, 29), (10, 18, 28), (34, 20, 45), (21, 37, 41), (9, 40, 49), (22, 8, 30), (26, 8, 34), (34, 8, 42), (16, 13, 29), (10, 12, 22), (11, 41, 47), (17, 21, 38), (40, 9, 49), (44, 1, 45), (38, 16, 45), (9, 43, 47), (15, 29, 44), (15, 10, 25), (12, 14, 26), (26, 20, 46), (11, 13, 24), (17, 33, 49), (13, 14, 27), (15, 36, 48).

B_{24} : (36, 1, 37), (30, 11, 41), (1, 15, 16), (45, 3, 48), (46, 3, 49), (47, 3, 49), (47, 2, 49), (4, 34, 38), (8, 27, 35), (23, 20, 43), (34, 4, 38), (4, 35, 39), (19, 2, 21), (2, 9, 11), (35, 5, 40), (5, 37, 42), (37, 5, 42), (18, 14, 32), (1, 44, 45), (6, 12, 18), (6, 41, 47), (21, 18, 39), (24, 7, 31), (25, 7, 32), (7, 26, 33), (12, 16, 28), (8, 25, 33), (32, 6, 38), (12, 29, 41), (13, 17, 30), (8, 28, 36), (40, 17, 42), (17, 22, 39), (22, 9, 31), (36, 23, 40), (30, 14, 44), (20, 13, 33), (31, 25, 43), (27, 19, 46), (10, 16, 26), (10, 19, 29), (20, 26, 46), (28, 23, 48), (15, 14, 29), (13, 11, 24), (9, 15, 24), (27, 21, 48), (10, 44, 45), (22, 34, 43).

B_{25} : (47, 1, 48), (4, 41, 45), (42, 4, 46), (3, 30, 33), (32, 17, 49), (4, 46, 49), (29, 1, 30), (34, 1, 35), (38, 3, 41), (12, 33, 45), (42, 5, 47), (5, 43, 48), (43, 5, 48), (26, 2, 28), (9, 19, 28), (41, 6, 47), (6, 44, 49), (18, 2, 20), (13, 42, 44), (15, 11, 26), (7, 30, 37), (22, 37, 40), (32, 7, 39), (21, 3, 24), (36, 8, 44), (24, 21, 45), (8, 2, 10), (9, 27, 36), (17, 19, 36), (12, 23, 35), (16, 15, 31), (38, 21, 40), (25, 10, 35), (14, 11, 25), (11, 16, 27), (34, 34, 31), (32, 14, 46), (13, 16, 29), (13, 10, 23), (9, 18, 27), (7, 31, 38), (29, 33, 37), (14, 12, 26), (22, 6, 28), (20, 19, 39), (24, 15, 39), (24, 18, 40), (17, 8, 25), (20, 23, 43).

B_{26} : (33, 4, 37), (19, 16, 35), (3, 9, 12), (3, 45, 48), (5, 45, 49), (5, 46, 48), (25, 4, 29), (37, 4, 41), (24, 8, 32), (20, 6, 26), (1, 43, 44), (6, 42, 48), (39, 5, 44), (6, 46, 47), (30, 7, 37), (7, 33, 40), (7, 35, 42), (11, 38, 49), (17, 2, 19), (16, 14, 30), (29, 2, 31), (27, 8, 35), (36, 22, 41), (1, 33, 34), (2, 41, 43), (23, 16, 39), (1, 10, 11), (9, 14, 23), (15, 13, 28), (21, 34, 44), (42, 3, 45), (20, 11, 31), (8, 18, 26), (25, 21, 46), (32, 29, 38), (19, 20, 39), (12, 18, 30), (14, 13, 27), (24, 28, 47), (17, 23, 40), (40, 12, 47), (18, 13, 31), (17, 9, 26), (36, 25, 38), (22, 10, 32), (21, 15, 36), (15, 28, 43), (22, 27, 49), (10, 24, 34).

B_{27} : (5, 33, 38), (17, 27, 44), (22, 12, 34), (9, 17, 26), (16, 37, 46), (33, 10, 43), (31, 29, 39), (30, 31, 38), (16, 7, 23), (5, 32, 37), (5, 14, 19), (11, 4, 15), (6, 36, 42), (2, 26, 28), (43, 2, 45), (32, 20, 47), (19, 8, 27), (20, 33, 46), (14, 16, 30), (34, 21, 44), (11, 29, 40), (3, 32, 35), (18, 1, 19), (14, 1, 15), (23, 28, 48), (38, 8, 46), (25, 12, 37), (13, 34, 47), (22, 36, 41), (7, 18, 25), (39, 15, 45), (35, 6, 41), (9, 42, 48), (10, 39, 49), (18, 3, 21), (31, 13, 44), (8, 3, 11), (1, 24, 25), (6, 45, 48), (30, 10, 40), (23, 26, 49), (24, 4, 28), (35, 21, 43), (41, 9, 49), (2, 27, 29), (7, 40, 47), (13, 4, 17), (20, 22, 42), (24, 12, 36).

B_{28} : (5, 42, 47), (5, 4, 9), (26, 19, 45), (17, 26, 43), (34, 2, 36), (3, 37, 40), (21, 28, 49), (29, 19, 48), (10, 37, 47), (6, 8, 14), (10, 21, 31), (22, 14, 36), (41, 15, 43), (18, 21, 39), (31, 1, 32), (31, 7, 38), (24, 16, 40), (11, 35, 46), (12, 30, 42), (23, 4, 27), (33, 13, 46), (1, 23, 24), (9, 2, 11), (16, 4, 20), (28, 11, 39), (3, 3, 6), (16, 9, 25), (24, 34, 41), (12, 40, 47), (28, 25, 46), (7, 13, 20), (41, 14, 44), (7, 42, 49), (26, 13, 39), (29, 22, 48), (19, 32, 48), (12, 5, 17), (29, 27, 43), (37, 8, 45), (2, 8, 10), (22, 33, 44), (30, 15, 45), (30, 34, 35), (15, 35, 49), (27, 6, 33), (32, 23, 44), (1, 17, 18), (25, 36, 38), (20, 18, 38).

B_{29} : (10, 5, 15), (5, 23, 28), (2, 5, 7), (12, 37, 49), (37, 12, 49), (12, 39, 48), (24, 10, 34), (7, 20, 27), (40, 18, 41), (24, 33, 42), (7, 38, 45), (28, 3, 31), (21, 31, 47), (38, 13, 48), (16, 18, 34), (13, 29, 42), (11, 25, 36), (14, 2, 16), (19, 29, 48), (26, 23, 49), (4, 32, 36), (40, 3, 43), (9, 6, 15), (1, 19, 20), (25, 1, 26), (32, 9, 41), (21, 11, 32), (8, 39, 47), (41, 11, 47), (22, 17, 39), (29, 17, 46), (19, 1, 20), (33, 22, 44), (4, 22, 26), (34, 9, 43), (28, 16, 44), (23, 30, 46), (14, 4, 18), (37, 3, 40), (30, 6, 36), (42, 13, 44), (33, 2, 35), (10, 25, 35), (8, 38, 46), (30, 24, 45), (35, 8, 43), (14, 17, 31), (6, 15, 21), (27, 27, 45).

B_{30} : (12, 22, 34), (15, 26, 41), (9, 13, 22), (13, 25, 38), (11, 21, 32), (13, 36, 49), (19, 12, 31), (9, 5, 14), (17, 16, 33), (3, 14, 17), (15, 25, 40), (19, 21, 40), (34, 22, 43), (12, 8, 20), (27, 5, 32), (40, 16, 43), (19, 18, 37), (5, 34, 39), (16, 28, 44), (29, 10, 39), (27, 24, 48), (48, 1, 49), (26, 31, 42), (2, 45, 47), (3, 4, 7), (1, 29, 30), (33, 8, 41), (37, 9, 46), (24, 23, 47), (36, 20, 43), (33, 28, 38), (24, 30, 45), (18, 28, 46), (14, 25, 39), (35, 15, 49), (36, 6, 42), (10, 10, 20), (35, 2, 37), (11, 7, 18), (44, 2, 46), (4, 4, 8), (35, 26, 38), (23, 32, 44), (6, 21, 27), (1, 6, 7), (31, 17, 48), (11, 30, 41), (3, 42, 45), (29, 23, 47).

B_{31} : (13, 28, 41), (12, 36, 48), (12, 17, 29), (10, 9, 19), (29, 5, 34), (25, 5, 30), (19, 28, 47), (2, 13, 15), (35, 14, 49), (24, 36, 39), (18, 25, 43), (3, 26, 29), (24, 2, 26), (16, 22, 38), (24, 20, 44), (15, 27, 42), (33, 21, 45), (1, 35, 36), (10, 2, 12), (14, 32, 46), (14, 37, 48), (18, 39, 42), (1, 8, 9), (21, 20, 41), (6, 38, 44), (38, 11, 49), (9, 32, 41), (1, 26, 27), (23, 34, 42), (25, 30, 44), (4, 27, 31), (3, 5, 8), (30, 13, 43), (4, 45, 49), (18, 16, 34), (31, 22, 46), (6, 31, 37), (28, 17, 45), (37, 22, 40), (23, 33, 43), (33, 19, 47), (7, 4, 11), (39, 20, 40), (8, 15, 23), (7, 3, 10), (21, 32, 46), (40, 7, 47), (6, 11, 17), (16, 35, 48).

B_{32} : (1, 1, 2), (35, 24, 40), (3, 21, 24), (29, 7, 36), (28, 8, 36), (30, 20, 49), (18, 30, 48), (31, 8, 39), (13, 35, 48), (30, 12, 42), (19, 26, 45), (16, 41, 42), (25, 34, 40), (15, 8, 23), (1, 11, 12), (12, 38, 49), (1, 31, 32), (14, 26, 40), (21, 8, 29), (27, 14, 41), (7, 36, 43), (27, 10, 37), (20, 2, 22), (37, 1, 38), (21, 30, 48), (28, 34, 37), (5, 38, 43), (27, 31, 41), (13, 37, 49), (26, 29, 44), (20, 15, 35), (9, 3, 12), (18, 36, 45), (5, 22, 27), (40, 13, 46), (17, 31, 48), (31, 14, 45), (1, 22, 23), (4, 7, 11), (16, 24, 40), (5, 9, 14), (38, 6, 44), (25, 33, 41), (18, 33, 48), (22, 24, 46), (25, 15, 40), (34, 19, 46), (34, 16, 49), (33, 17, 49), (4, 15, 19), (11, 15, 26), (14, 23, 37), (19, 13, 32), (44, 8, 47), (7, 32, 39), (15, 40, 44), (2, 25, 27), (19, 24, 43), (11, 17, 28), (10, 42, 47), (39, 2, 41), (20, 28, 48), (4, 17, 21), (3, 22, 25), (5, 44, 49), (33, 32, 34), (3, 6, 9), (17, 29, 46), (20, 16, 36), (36, 9, 45), (5, 31, 36), (10, 23, 33), (3, 47, 49), (12, 11, 23), (6, 10, 16), (4, 2, 6), (33, 6, 39), (45, 8, 46), (35, 7, 42), (11, 5, 16), (19, 4, 23), (26, 12, 38), (4, 10, 14), (25, 18, 43), (11, 9, 20), (32, 3, 35), (17, 1, 18), (27, 16, 43), (12, 31, 43), (21, 9, 30), (42, 10, 47), (18, 29, 47), (13, 38, 48), (13, 7, 20), (19, 22, 41), (42, 2, 44), (29, 25, 45), (15, 38, 46).