Improved asymptotically optimal error correcting codes for avoidance crosstalk type-IV on-chip data buses

Muhammad Ajmal, Masood Ur Rehman, and B G Rodrigues

Supplementary results

(1) An $(n, 4, 3)$ -IV code with size $B(n)$ over line $X = [0, 1,, n-1]$ for each $n \in \{14, 16, 22, 50\}$	•
All codeswords are listed below.	

n = 14								
n = 14 {0,1,2}, {0,3,10}, {0,4,9},	$\{0, 5, 13\},\ \{0, 6, 12\},\ \{0, 8, 11\},$	$ \{ \begin{matrix} 1,4,11 \\ 1,5,10 \\ 1,6,9 \\ \end{matrix} \}, $	$ \{ 1, 7, 12 \}, \\ \{ 1, 8, 13 \}, \\ \{ 2, 3, 6 \}, $	$\{2, 5, 8\},\ \{2, 7, 10\},\ \{2, 9, 13\},$	$\begin{array}{l} \{2,11,12\},\\ \{3,4,5\},\\ \{3,7,11\}, \end{array}$	$\{3, 8, 9\},\ \{3, 12, 13\},\ \{4, 7, 13\},$	$ \{ 4, 8, 12 \}, \\ \{ 5, 6, 11 \}, \\ \{ 5, 9, 12 \}, $	$\{6,7,8\},\ \{6,10,13\},\ \{9,10,11\}.$
$ \begin{split} n &= 16 \\ \{0,1,5\}, \\ \{0,3,9\}, \\ \{0,4,8\}, \\ \{0,6,11\}, \end{split} $	$ \{ 0, 7, 14 \}, \\ \{ 0, 10, 13 \}, \\ \{ 0, 12, 15 \}, \\ \{ 1, 2, 3 \}, $	$ \{ 1, 4, 13 \}, \\ \{ 1, 6, 10 \}, \\ \{ 1, 7, 15 \}, \\ \{ 1, 8, 12 \}, $	$ \{ 1, 9, 14 \}, \\ \{ 2, 5, 11 \}, \\ \{ 2, 6, 14 \}, \\ \{ 2, 7, 12 \}, $	$\begin{array}{l} \{2,9,13\},\\ \{2,10,15\},\\ \{3,4,15\},\\ \{3,6,12\},\end{array}$	$\begin{array}{l} \{3,7,11\},\\ \{3,8,13\},\\ \{3,10,14\},\\ \{4,5,6\}, \end{array}$	$ \{ 4, 7, 10 \}, \\ \{ 4, 9, 12 \}, \\ \{ 4, 11, 14 \}, \\ \{ 5, 8, 14 \}, $	$ \{ 5, 9, 10 \}, \\ \{ 5, 12, 13 \}, \\ \{ 6, 7, 13 \}, \\ \{ 6, 9, 15 \}, $	$ \{ 7, 8, 9 \}, \\ \{ 8, 11, 15 \}, \\ \{ 10, 11, 12 \}, \\ \{ 13, 14, 15 \}. $
$\begin{array}{l} n=22\\ \{0,1,2\},\\ \{0,3,14\},\\ \{0,4,7\},\\ \{0,5,10\},\\ \{0,6,11\},\\ \{0,8,12\},\\ \{0,9,18\},\\ \{0,13,21\}, \end{array}$	$\{ \begin{matrix} 0,16,17 \}, \\ \{0,19,20 \}, \\ \{1,4,5 \}, \\ \{1,6,17 \}, \\ \{1,7,14 \}, \\ \{1,8,15 \}, \\ \{1,9,12 \}, \\ \{1,10,19 \}, \end{matrix}$	$ \{ 1, 11, 18 \}, \\ \{ 1, 13, 20 \}, \\ \{ 1, 16, 21 \}, \\ \{ 2, 3, 4 \}, \\ \{ 2, 5, 9 \}, \\ \{ 2, 6, 13 \}, \\ \{ 2, 7, 20 \}, \\ \{ 2, 8, 21 \}, $	$ \{ 2, 10, 17 \}, \\ \{ 2, 11, 14 \}, \\ \{ 2, 15, 18 \}, \\ \{ 2, 16, 19 \}, \\ \{ 3, 6, 20 \}, \\ \{ 3, 7, 8 \}, \\ \{ 3, 9, 17 \}, \\ \{ 3, 10, 11 \}, $	$ \{ 3, 12, 16 \}, \\ \{ 3, 13, 18 \}, \\ \{ 3, 15, 19 \}, \\ \{ 4, 8, 16 \}, \\ \{ 4, 9, 19 \}, \\ \{ 4, 10, 13 \}, \\ \{ 4, 11, 15 \}, \\ \{ 4, 12, 18 \}, $	$ \{ 4, 14, 20 \}, \\ \{ 4, 17, 21 \}, \\ \{ 5, 6, 7 \}, \\ \{ 5, 8, 20 \}, \\ \{ 5, 11, 19 \}, \\ \{ 5, 12, 15 \}, \\ \{ 5, 13, 16 \}, \\ \{ 5, 14, 17 \}, $	$\{5, 18, 21\}, \\ \{6, 9, 15\}, \\ \{6, 10, 16\}, \\ \{6, 12, 21\}, \\ \{6, 14, 19\}, \\ \{7, 10, 18\}, \\ \{7, 11, 16\}, \\ \{7, 12, 19\}, \end{cases}$	$\{7, 13, 17\}, \\\{7, 15, 21\}, \\\{8, 9, 10\}, \\\{8, 11, 17\}, \\\{8, 13, 19\}, \\\{8, 14, 18\}, \\\{9, 13, 14\}, \\\{9, 16, 20\}, \end{cases}$	$ \{ \begin{matrix} 10, 14, 21 \\ \{10, 15, 20 \\ \}, \\ \{11, 12, 13 \\ \}, \\ \{11, 20, 21 \\ \}, \\ \{12, 17, 20 \\ \}, \\ \{14, 15, 16 \\ \}, \\ \{17, 18, 19 \}. \end{matrix} $
$n = 50$ $\{0, 1, 2\}, \\\{0, 3, 12\}, \\\{0, 4, 34\}, \\\{0, 5, 17\}, \\\{0, 6, 13\}, \\\{0, 7, 28\}, \\\{0, 8, 16\}, \\\{0, 9, 23\}, \\\{0, 11, 36\}, \\\{0, 14, 47\}, \\\{0, 15, 22\}, \\\{0, 18, 43\}, \\\{0, 20, 24\}, \\\{0, 21, 38\}, \\\{0, 25, 33\}, \\\{0, 26, 49\}, \\\{0, 27, 31\}, \\\{0, 29, 48\}, \end{tabular}$	$\{0, 35, 42\}, \\ \{0, 37, 46\}, \\ \{0, 39, 45\}, \\ \{1, 4, 7\}, \\ \{1, 5, 18\}, \\ \{1, 6, 39\}, \\ \{1, 8, 11\}, \\ \{1, 9, 14\}, \\ \{1, 10, 13\}, \\ \{1, 10, 13\}, \\ \{1, 12, 49\}, \\ \{1, 15, 34\}, \\ \{1, 16, 30\}, \\ \{1, 17, 27\}, \\ \{1, 20, 47\}, \\ \{1, 20, 47\}, \\ \{1, 22, 45\}, \\ \{1, 24, 43\}, \\ \{1, 24, 43\}, \\ \}$	$ \{1, 28, 41\}, \\ \{1, 29, 38\}, \\ \{1, 31, 36\}, \\ \{1, 32, 37\}, \\ \{1, 33, 48\}, \\ \{2, 3, 4\}, \\ \{2, 5, 29\}, \\ \{2, 6, 23\}, \\ \{2, 7, 38\}, \\ \{2, 7, 38\}, \\ \{2, 9, 13\}, \\ \{2, 10, 47\}, \\ \{2, 11, 25\}, \\ \{2, 12, 31\}, \\ \{2, 16, 26\}, \\ \{2, 17, 24\}, \\ \{2, 18, 40\}, \\ \} $	$\{2, 21, 37\}, \\ \{2, 22, 30\}, \\ \{2, 27, 45\}, \\ \{2, 28, 44\}, \\ \{2, 32, 36\}, \\ \{2, 35, 49\}, \\ \{2, 43, 48\}, \\ \{3, 6, 20\}, \\ \{3, 7, 10\}, \\ \{3, 8, 29\}, \\ \{3, 9, 32\}, \\ \{3, 11, 28\}, \\ \{3, 13, 17\}, \\ \{3, 14, 22\}, \\ \{3, 16, 43\}, \\ \{3, 21, 26\}, \\ \{3, 23, 41\}, \\ \{3, 24, 44\}, \\ \}$	$ \{3, 30, 49\}, \\ \{3, 31, 45\}, \\ \{3, 33, 42\}, \\ \{3, 35, 38\}, \\ \{3, 36, 37\}, \\ \{3, 39, 46\}, \\ \{4, 5, 6\}, \\ \{4, 8, 32\}, \\ \{4, 9, 16\}, \\ \{4, 10, 19\}, \\ \{4, 10, 19\}, \\ \{4, 10, 19\}, \\ \{4, 13, 21\}, \\ \{4, 13, 21\}, \\ \{4, 14, 44\}, \\ \{4, 15, 48\}, \\ \{4, 17, 26\}, \\ \{4, 20, 35\}, \\ \{4, 23, 38\}, \\ \} $	$\{4, 28, 37\}, \\ \{4, 29, 46\}, \\ \{4, 31, 49\}, \\ \{4, 33, 41\}, \\ \{4, 36, 43\}, \\ \{4, 39, 47\}, \\ \{4, 42, 45\}, \\ \{5, 8, 30\}, \\ \{5, 9, 42\}, \\ \{5, 10, 21\}, \\ \{5, 10, 21\}, \\ \{5, 11, 32\}, \\ \{5, 12, 28\}, \\ \{5, 13, 23\}, \\ \{5, 16, 40\}, \\ \{5, 19, 47\}, \\ \{5, 22, 44\}, \\ \{5, 24, 38\}, \\ \}$	$\{5, 27, 43\}, \{5, 34, 37\}, \{5, 35, 39\}, \{5, 36, 46\}, \{5, 48, 49\}, \{6, 7, 8\}, \{6, 9, 40\}, \{6, 10, 44\}, \{6, 11, 35\}, \{6, 12, 22\}, \{6, 14, 15\}, \{6, 16, 24\}, \{6, 17, 36\}, \{6, 18, 31\}, \{6, 19, 30\}, \{6, 21, 27\}, \{6, 26, 38\}, \{6, 29, 43\},$	$\{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ \{ $	$ \{ 8, 9, 49 \}, \\ \{ 8, 12, 23 \}, \\ \{ 8, 13, 25 \}, \\ \{ 8, 14, 19 \}, \\ \{ 8, 15, 18 \}, \\ \{ 8, 17, 45 \}, \\ \{ 8, 20, 21 \}, \\ \{ 8, 22, 36 \}, \\ \{ 8, 24, 39 \}, \\ \{ 8, 26, 40 \}, \\ \{ 8, 27, 37 \}, \\ \{ 8, 28, 43 \}, \\ \{ 8, 33, 47 \}, \\ \{ 8, 33, 47 \}, \\ \{ 8, 38, 41 \}, \\ \{ 8, 38, 41 \}, \\ \{ 8, 42, 46 \}, \\ \{ 9, 10, 11 \}, \\ \{ 9, 12, 30 \}, \\ \end{cases} $
$\{0, 30, 44\},\ \{0, 32, 41\},\$	$\{1, 24, 45\},\ \{1, 25, 35\},\ \{1, 26, 42\},\$	$\{2, 10, 40\},\$ $\{2, 19, 39\},\$ $\{2, 20, 42\},\$	$\{3, 25, 47\},\ \{3, 27, 40\},\$	$\{4, 25, 50\},\$ $\{4, 24, 27\},\$ $\{4, 25, 40\},\$	$\{5, 25, 45\},\ \{5, 26, 31\},\$	$\{6, 32, 45\},\ \{6, 32, 47\},\ \{6, 33, 45\},\$	$\{7, 36, 48\},\ \{7, 39, 40\},\ \{7, 39, 40\},\ $	$\{9, 12, 50\},\ \{9, 15, 46\},\ \{9, 17, 48\},\$

$ \begin{cases} 9, 18, 37\}, \\ \{9, 19, 34\}, \\ \{9, 20, 38\}, \\ \{9, 20, 38\}, \\ \{9, 21, 44\}, \\ \{9, 22, 25\}, \\ \{9, 24, 45\}, \\ \{9, 26, 29\}, \\ \{9, 27, 36\}, \\ \{9, 28, 35\}, \\ \{9, 31, 43\}, \\ \{9, 33, 39\}, \\ \{9, 41, 47\}, \\ \{10, 14, 24\}, \\ \{10, 15, 41\}, \\ \{10, 15, 41\}, \\ \{10, 16, 46\}, \\ \{10, 17, 22\}, \\ \{10, 18, 48\}, \\ \{10, 20, 27\}, \\ \{10, 26, 43\}, \\ \{10, 28, 45\}, \\ \{10, 29, 37\}, \end{cases} $	$ \begin{cases} 10, 30, 34 \}, \\ \{10, 31, 40 \}, \\ \{10, 32, 49 \}, \\ \{10, 33, 38 \}, \\ \{10, 36, 39 \}, \\ \{11, 15, 45 \}, \\ \{11, 17, 33 \}, \\ \{11, 17, 33 \}, \\ \{11, 19, 37 \}, \\ \{11, 20, 26 \}, \\ \{11, 22, 43 \}, \\ \{11, 22, 43 \}, \\ \{11, 22, 43 \}, \\ \{11, 29, 39 \}, \\ \{11, 29, 39 \}, \\ \{11, 30, 31 \}, \\ \{11, 34, 40 \}, \\ \{11, 34, 40 \}, \\ \{11, 44, 48 \}, \\ \{12, 13, 14 \}, \\ \{12, 15, 20 \}, \\ \{12, 16, 32 \}, \end{cases} $	$ \begin{cases} 12, 17, 35 \}, \\ \{12, 18, 47 \}, \\ \{12, 19, 33 \}, \\ \{12, 24, 46 \}, \\ \{12, 25, 29 \}, \\ \{12, 26, 37 \}, \\ \{12, 27, 38 \}, \\ \{12, 34, 45 \}, \\ \{12, 39, 48 \}, \\ \{12, 39, 48 \}, \\ \{12, 41, 44 \}, \\ \{12, 42, 43 \}, \\ \{13, 16, 36 \}, \\ \{13, 19, 48 \}, \\ \{13, 20, 31 \}, \\ \{13, 22, 33 \}, \\ \{13, 27, 35 \}, \\ \{13, 29, 41 \}, \\ \{13, 30, 42 \}, \\ \{13, 37, 44 \}, \end{cases} $	$ \begin{cases} 13, 38, 45 \}, \\ \{13, 39, 49 \}, \\ \{13, 43, 46 \}, \\ \{14, 17, 37 \}, \\ \{14, 18, 28 \}, \\ \{14, 20, 32 \}, \\ \{14, 23, 49 \}, \\ \{14, 25, 39 \}, \\ \{14, 26, 41 \}, \\ \{14, 27, 48 \}, \\ \{14, 27, 48 \}, \\ \{14, 35, 43 \}, \\ \{14, 35, 43 \}, \\ \{14, 38, 42 \}, \\ \{14, 38, 42 \}, \\ \{15, 16, 17 \}, \\ \{15, 21, 29 \}, \\ \{15, 21, 29 \}, \\ \{15, 21, 29 \}, \\ \{15, 27, 44 \}, \\ \{15, 30, 38 \}, \end{cases} $	$ \begin{cases} 15, 31, 35 \}, \\ \{15, 32, 42 \}, \\ \{15, 36, 49 \}, \\ \{15, 40, 43 \}, \\ \{16, 19, 20 \}, \\ \{16, 21, 31 \}, \\ \{16, 22, 28 \}, \\ \{16, 22, 28 \}, \\ \{16, 22, 28 \}, \\ \{16, 22, 38 \}, \\ \{16, 27, 33 \}, \\ \{16, 37, 42 \}, \\ \{16, 37, 42 \}, \\ \{16, 37, 42 \}, \\ \{16, 37, 42 \}, \\ \{16, 39, 44 \}, \\ \{17, 18, 38 \}, \\ \{17, 20, 39 \}, \\ \{17, 21, 41 \}, \\ \{17, 23, 43 \}, \\ \{17, 29, 42 \}, \\ \{17, 30, 40 \}, \end{cases} $	$ \begin{cases} 17, 32, 44 \}, \\ \{17, 46, 49 \}, \\ \{18, 21, 34 \}, \\ \{18, 23, 42 \}, \\ \{18, 27, 46 \}, \\ \{18, 29, 33 \}, \\ \{18, 30, 39 \}, \\ \{18, 30, 39 \}, \\ \{18, 32, 45 \}, \\ \{18, 30, 44 \}, \\ \{19, 22, 42 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 23, 24 \}, \\ \{19, 31, 41 \}, \\ \{19, 35, 45 \}, \\ \{19, 38, 43 \}, \\ \{20, 23, 45 \}, \\ \{20, 30, 43 \}, \\ \{20, 33, 34 \}, \end{cases} $	$ \begin{cases} 20, 37, 48 \}, \\ \{20, 44, 49 \}, \\ \{21, 22, 23 \}, \\ \{21, 22, 42 \}, \\ \{21, 25, 42 \}, \\ \{21, 30, 46 \}, \\ \{21, 32, 48 \}, \\ \{21, 35, 47 \}, \\ \{21, 36, 45 \}, \\ \{21, 39, 43 \}, \\ \{22, 26, 47 \}, \\ \{22, 27, 39 \}, \\ \{22, 27, 39 \}, \\ \{22, 31, 46 \}, \\ \{22, 34, 38 \}, \\ \{22, 37, 41 \}, \\ \{22, 40, 48 \}, \\ \{23, 26, 48 \}, \\ \{23, 26, 48 \}, \\ \{23, 27, 32 \}, \\ \{23, 30, 33 \}, \\ \{23, 31, 39 \}, \end{cases} $	$ \begin{cases} 23, 34, 46\}, \\ \{23, 37, 40\}, \\ \{24, 25, 26\}, \\ \{24, 29, 34\}, \\ \{24, 30, 41\}, \\ \{24, 31, 37\}, \\ \{24, 32, 35\}, \\ \{24, 33, 36\}, \\ \{24, 40, 49\}, \\ \{25, 30, 48\}, \\ \{25, 32, 43\}, \\ \{25, 32, 43\}, \\ \{25, 36, 41\}, \\ \{26, 27, 34\}, \\ \{26, 30, 36\}, \\ \{26, 32, 39\}, \\ \{26, 33, 44\}, \\ \{26, 35, 46\}, \\ \{27, 28, 29\}, \\ \{27, 30, 47\}, \\ \{28, 31, 47\}, \\ \{28, 38, 46\}, \end{cases} $	$ \begin{cases} 28, 42, 49 \}, \\ \{29, 30, 35 \}, \\ \{29, 40, 47 \}, \\ \{29, 45, 49 \}, \\ \{30, 37, 45 \}, \\ \{31, 32, 33 \}, \\ \{31, 38, 48 \}, \\ \{33, 40, 46 \}, \\ \{33, 43, 49 \}, \\ \{34, 35, 36 \}, \\ \{34, 39, 42 \}, \\ \{35, 40, 44 \}, \\ \{36, 42, 47 \}, \\ \{37, 38, 39 \}, \\ \{37, 43, 47 \}, \\ \{38, 44, 47 \}, \\ \{40, 41, 42 \}, \\ \{41, 45, 48 \}, \\ \{43, 44, 45 \}, \\ \{45, 46, 47 \}. \end{cases} $
30, 32, 34,	36, 38, 40, 4	ode with size 42, 44, 46, 48	8}. While the	$ree pairs {$	n/2-2, n/2	$, \{\{n/2-1$	$,n/2$ }, $\{n/$	
1} of line $n = 18$	X must be	e contained	in its leave	graph. All	codewords	are listed	below.	
$\{ \begin{matrix} 0,1,2 \\ \{0,3,10 \}, \\ \{0,4,12 \}, \\ \{0,5,14 \}, \\ \{0,6,16 \}, \\ \{0,7,8 \}, \end{matrix}$	$\{ 0, 9, 13 \}, \\ \{ 0, 11, 17 \}, \\ \{ 1, 4, 17 \}, \\ \{ 1, 5, 8 \}, \\ \{ 1, 6, 12 \}, \end{cases}$	$ \{ 1,7,14 \}, \\ \{ 1,9,10 \}, \\ \{ 1,11,15 \}, \\ \{ 1,13,16 \}, \\ \{ 2,3,6 \}, $	$\{ 2, 5, 13 \}, \\ \{ 2, 7, 15 \}, \\ \{ 2, 8, 11 \}, \\ \{ 2, 9, 14 \}, \\ \{ 2, 10, 16 \}, \end{cases}$	$\{ 2, 12, 17 \}, \\ \{ 3, 4, 5 \}, \\ \{ 3, 7, 13 \}, \\ \{ 3, 8, 16 \}, \\ \{ 3, 9, 17 \}, \end{cases}$	$ \{ \begin{array}{l} 3,11,14 \}, \\ \{ 3,12,15 \}, \\ \{ 4,7,11 \}, \\ \{ 4,8,15 \}, \\ \{ 4,9,16 \}, \end{array} $	$ \{ 4, 10, 13 \}, \\ \{ 5, 6, 7 \}, \\ \{ 5, 9, 12 \}, \\ \{ 5, 10, 15 \}, \\ \{ 5, 11, 16 \}, $	$\{ \begin{array}{l} \{6,9,15\},\\ \{6,10,14\},\\ \{6,13,17\},\\ \{7,10,17\},\\ \{7,12,16\}, \end{array} $	$ \{ 8, 12, 13 \}, \\ \{ 8, 14, 17 \}, \\ \{ 10, 11, 12 \}, \\ \{ 13, 14, 15 \}, \\ \{ 15, 16, 17 \}. $
$\begin{array}{l} n=20\\ \{0,1,2\},\\ \{0,3,14\},\\ \{0,5,13\},\\ \{0,6,9\},\\ \{0,7,11\},\\ \{0,8,17\},\\ \{0,10,15\},\\ n=24 \end{array}$	$\{ 0, 12, 18 \}, \\ \{ 0, 16, 19 \}, \\ \{ 1, 4, 16 \}, \\ \{ 1, 5, 9 \}, \\ \{ 1, 6, 11 \}, \\ \{ 1, 7, 19 \}, \\ \{ 1, 8, 13 \}, \end{cases}$	$\{1, 10, 17\}, \\\{1, 12, 15\}, \\\{1, 14, 18\}, \\\{2, 3, 17\}, \\\{2, 5, 12\}, \\\{2, 6, 10\}, \\\{2, 7, 13\}, \end{cases}$	$\{ 2, 8, 18 \}, \\ \{ 2, 9, 15 \}, \\ \{ 2, 11, 16 \}, \\ \{ 2, 14, 19 \}, \\ \{ 3, 4, 5 \}, \\ \{ 3, 6, 15 \}, \\ \{ 3, 7, 16 \}, \end{cases}$	$ \{ \begin{matrix} 3,8,12 \\ \{3,9,18 \}, \\ \{3,10,11 \}, \\ \{3,13,19 \}, \\ \{4,7,14 \}, \\ \{4,8,15 \}, \\ \{4,9,12 \}, \end{matrix} $	$ \{ 4, 10, 19 \}, \\ \{ 4, 11, 18 \}, \\ \{ 4, 13, 17 \}, \\ \{ 5, 6, 19 \}, \\ \{ 5, 8, 16 \}, \\ \{ 5, 10, 14 \}, \\ \{ 5, 11, 17 \}, $	$\{5, 15, 18\}, \\ \{6, 7, 8\}, \\ \{6, 12, 16\}, \\ \{6, 13, 18\}, \\ \{6, 14, 17\}, \\ \{7, 10, 18\}, \\ \{7, 12, 17\}, \end{cases}$	$\{ \begin{array}{l} \{8,9,19\},\\ \{8,11,14\},\\ \{9,13,14\},\\ \{9,16,17\},\\ \{10,13,16\},\\ \{11,12,13\},\\ \{11,15,19\}, \end{array} \}$	$\{14, 15, 16\},\ \{17, 18, 19\}.$
$\begin{array}{l} n=24\\ \{0,1,2\},\\ \{0,3,13\},\\ \{0,4,22\},\\ \{0,5,20\},\\ \{0,7,11\},\\ \{0,8,12\},\\ \{0,9,19\},\\ \{0,10,17\},\\ \{0,14,23\},\\ \{0,15,18\},\\ n=26 \end{array}$	$\{ 0, 16, 21 \}, \\ \{1, 4, 19 \}, \\ \{1, 5, 22 \}, \\ \{1, 6, 16 \}, \\ \{1, 7, 23 \}, \\ \{1, 8, 17 \}, \\ \{1, 9, 21 \}, \\ \{1, 10, 20 \}, \\ \{1, 11, 14 \}, \\ \{1, 12, 15 \}, \end{cases}$	$ \{ 1, 13, 18 \}, \\ \{ 2, 3, 4 \}, \\ \{ 2, 5, 8 \}, \\ \{ 2, 6, 17 \}, \\ \{ 2, 7, 16 \}, \\ \{ 2, 9, 14 \}, \\ \{ 2, 10, 21 \}, \\ \{ 2, 11, 19 \}, \\ \{ 2, 12, 23 \}, \\ \{ 2, 15, 20 \}, $	$\{ 2, 18, 22 \}, \\ \{ 3, 6, 12 \}, \\ \{ 3, 7, 14 \}, \\ \{ 3, 8, 19 \}, \\ \{ 3, 9, 15 \}, \\ \{ 3, 10, 22 \}, \\ \{ 3, 11, 18 \}, \\ \{ 3, 16, 23 \}, \\ \{ 3, 17, 20 \}, \\ \{ 4, 5, 21 \}, \end{cases}$	$ \{ 4,7,8\}, \\ \{4,9,12\}, \\ \{4,10,13\}, \\ \{4,11,15\}, \\ \{4,14,18\}, \\ \{4,16,20\}, \\ \{4,17,23\}, \\ \{5,6,7\}, \\ \{5,9,18\}, \\ \{5,10,14\}, \end{cases} $	$\{ \begin{array}{l} \{5,11,17\},\\ \{5,12,16\},\\ \{5,13,19\},\\ \{5,15,23\},\\ \{6,9,13\},\\ \{6,10,18\},\\ \{6,10,18\},\\ \{6,11,21\},\\ \{6,14,20\},\\ \{6,15,22\},\\ \{6,19,23\},\\ \end{array} \}$	$\{7, 10, 15\}, \\\{7, 12, 20\}, \\\{7, 13, 17\}, \\\{7, 18, 21\}, \\\{7, 19, 22\}, \\\{8, 9, 10\}, \\\{8, 11, 20\}, \\\{8, 13, 16\}, \\\{8, 14, 22\}, \\\{8, 15, 21\}, \end{cases}$	$ \begin{cases} 8, 18, 23 \}, \\ \{9, 17, 22 \}, \\ \{9, 20, 23 \}, \\ \{10, 11, 23 \}, \\ \{10, 16, 19 \}, \\ \{11, 16, 22 \}, \\ \{12, 13, 14 \}, \\ \{12, 17, 18 \}, \\ \{12, 21, 22 \}, \\ \{13, 20, 21 \}, \end{cases} $	$ \{ 13, 22, 23 \}, \\ \{ 14, 15, 19 \}, \\ \{ 14, 17, 21 \}, \\ \{ 15, 16, 17 \}, \\ \{ 18, 19, 20 \}. $
$\begin{array}{l} n=26\\ \{0,1,2\},\\ \{0,3,7\},\\ \{0,4,20\},\\ \{0,5,8\},\\ \{0,6,13\},\\ \{0,9,17\},\\ \{0,10,19\},\\ \{0,11,15\},\\ \{0,12,25\},\\ \{0,14,21\},\end{array}$	$\{ 0, 16, 24 \}, \\ \{0, 18, 23 \}, \\ \{1, 4, 8 \}, \\ \{1, 5, 22 \}, \\ \{1, 6, 14 \}, \\ \{1, 7, 10 \}, \\ \{1, 9, 13 \}, \\ \{1, 11, 18 \}, \\ \{1, 12, 24 \}, \\ \{1, 15, 21 \}, \end{cases}$	$ \{ 1, 16, 19 \}, \\ \{ 1, 17, 25 \}, \\ \{ 1, 20, 23 \}, \\ \{ 2, 3, 21 \}, \\ \{ 2, 5, 13 \}, \\ \{ 2, 6, 9 \}, \\ \{ 2, 7, 24 \}, \\ \{ 2, 8, 19 \}, \\ \{ 2, 10, 18 \}, \\ \{ 2, 11, 23 \}, $	$ \{ 2, 12, 16 \}, \\ \{ 2, 14, 17 \}, \\ \{ 2, 15, 20 \}, \\ \{ 2, 22, 25 \}, \\ \{ 3, 4, 5 \}, \\ \{ 3, 6, 19 \}, \\ \{ 3, 8, 23 \}, \\ \{ 3, 9, 20 \}, \\ \{ 3, 10, 17 \}, \\ \{ 3, 11, 12 \}, $	$ \{ \begin{matrix} 3, 13, 24 \}, \\ \{3, 14, 18 \}, \\ \{3, 15, 25 \}, \\ \{3, 16, 22 \}, \\ \{4, 7, 11 \}, \\ \{4, 9, 16 \}, \\ \{4, 12, 15 \}, \\ \{4, 13, 21 \}, \\ \{4, 14, 23 \}, \\ \{4, 17, 22 \}, \end{matrix} $	$ \{ 4, 18, 24 \}, \\ \{ 4, 19, 25 \}, \\ \{ 5, 6, 10 \}, \\ \{ 5, 9, 25 \}, \\ \{ 5, 11, 16 \}, \\ \{ 5, 12, 20 \}, \\ \{ 5, 14, 19 \}, \\ \{ 5, 15, 24 \}, \\ \{ 5, 17, 23 \}, \\ \{ 5, 18, 21 \}, $	$\{ \begin{array}{l} \{6,7,8\},\\ \{6,11,22\},\\ \{6,12,17\},\\ \{6,15,23\},\\ \{6,16,21\},\\ \{6,18,25\},\\ \{6,20,24\},\\ \{7,12,19\},\\ \{7,13,22\},\\ \{7,15,18\},\\ \end{array}$	$\{ 7, 16, 23 \}, \\ \{7, 17, 20 \}, \\ \{7, 21, 25 \}, \\ \{8, 9, 21 \}, \\ \{8, 12, 18 \}, \\ \{8, 13, 25 \}, \\ \{8, 14, 22 \}, \\ \{8, 15, 16 \}, \\ \{8, 17, 24 \}, \end{cases}$	$ \{ \begin{array}{l} 9,10,11 \}, \\ \{ 9,12,23 \}, \\ \{ 9,14,24 \}, \\ \{ 9,15,19 \}, \\ \{ 9,18,22 \}, \\ \{ 10,13,23 \}, \\ \{ 10,14,20 \}, \\ \{ 10,15,22 \}, \\ \{ 10,16,25 \}, \end{array} $

$\{ \begin{array}{c} 10, 21, 24 \}, \\ \{ 11, 14, 25 \}, \end{array}$	$\{ 11, 17, 21 \}, \\ \{ 11, 19, 24 \},$	$\{12, 21, 22\},\ \{13, 14, 15\},\$	$ \{ 13, 16, 20 \}, \\ \{ 13, 18, 19 \}, $	$\{ 16, 17, 18 \}, \\ \{ 19, 20, 21 \},$	$\{19, 22, 23\},\ \{23, 24, 25\}.$			
$\begin{split} n &= 28 \\ \{0, 1, 2\}, \\ \{0, 3, 25\}, \\ \{0, 4, 21\}, \\ \{0, 5, 17\}, \\ \{0, 6, 10\}, \\ \{0, 7, 12\}, \\ \{0, 9, 18\}, \\ \{0, 11, 22\}, \\ \{0, 13, 27\}, \\ \{0, 14, 23\}, \\ \{0, 15, 24\}, \\ \{0, 16, 20\}, \\ \{0, 19, 26\}, \\ \{1, 4, 14\}, \end{split}$	$ \begin{cases} 1,5,10\},\\ \{1,6,7\},\\ \{1,8,17\},\\ \{1,9,13\},\\ \{1,11,25\},\\ \{1,12,21\},\\ \{1,15,22\},\\ \{1,16,26\},\\ \{1,18,27\},\\ \{1,19,23\},\\ \{1,20,24\},\\ \{2,3,4\},\\ \{2,5,24\},\\ \{2,6,20\}, \end{cases} $	$ \{ 2, 7, 14 \}, \\ \{ 2, 8, 27 \}, \\ \{ 2, 9, 16 \}, \\ \{ 2, 10, 15 \}, \\ \{ 2, 11, 18 \}, \\ \{ 2, 12, 26 \}, \\ \{ 2, 13, 19 \}, \\ \{ 2, 17, 23 \}, \\ \{ 2, 22, 25 \}, \\ \{ 3, 6, 17 \}, \\ \{ 3, 7, 19 \}, \\ \{ 3, 8, 24 \}, \\ \{ 3, 9, 15 \}, \\ \{ 3, 10, 21 \}, \\ \} $	$ \begin{cases} 3, 12, 13 \}, \\ \{3, 14, 26 \}, \\ \{3, 16, 27 \}, \\ \{3, 20, 23 \}, \\ \{4, 5, 6 \}, \\ \{4, 7, 22 \}, \\ \{4, 8, 16 \}, \\ \{4, 9, 24 \}, \\ \{4, 10, 18 \}, \\ \{4, 10, 18 \}, \\ \{4, 12, 17 \}, \\ \{4, 13, 25 \}, \\ \{4, 19, 27 \}, \end{cases} $	$ \{ 4, 20, 26 \}, \\ \{ 5, 8, 19 \}, \\ \{ 5, 9, 20 \}, \\ \{ 5, 11, 26 \}, \\ \{ 5, 12, 22 \}, \\ \{ 5, 13, 21 \}, \\ \{ 5, 15, 27 \}, \\ \{ 5, 16, 25 \}, \\ \{ 5, 18, 23 \}, \\ \{ 6, 9, 26 \}, \\ \{ 6, 11, 16 \}, \\ \{ 6, 12, 24 \}, \\ \{ 6, 13, 22 \}, \\ \{ 6, 14, 18 \}, \\ \ \} $	$\{ \begin{array}{l} \{6,15,21\},\\ \{6,19,25\},\\ \{6,23,27\},\\ \{7,8,9\},\\ \{7,10,25\},\\ \{7,11,24\},\\ \{7,13,16\},\\ \{7,15,23\},\\ \{7,17,20\},\\ \{7,18,26\},\\ \{7,21,27\},\\ \{8,11,21\},\\ \{8,12,23\},\\ \{8,13,18\},\\ \end{array}$	$ \begin{cases} 8, 14, 25 \}, \\ \{8, 15, 20 \}, \\ \{8, 22, 26 \}, \\ \{9, 10, 23 \}, \\ \{9, 12, 27 \}, \\ \{9, 14, 21 \}, \\ \{9, 17, 25 \}, \\ \{9, 19, 22 \}, \\ \{10, 11, 12 \}, \\ \{10, 13, 20 \}, \\ \{10, 14, 22 \}, \\ \{10, 16, 17 \}, \\ \{10, 19, 24 \}, \\ \{10, 26, 27 \}, \end{cases} $	$ \begin{cases} 11, 14, 17 \}, \\ \{11, 15, 19 \}, \\ \{11, 20, 27 \}, \\ \{12, 15, 18 \}, \\ \{12, 16, 19 \}, \\ \{12, 20, 25 \}, \\ \{13, 17, 24 \}, \\ \{13, 23, 26 \}, \\ \{14, 15, 16 \}, \\ \{14, 19, 20 \}, \\ \{14, 24, 27 \}, \\ \{15, 25, 26 \}, \\ \{16, 21, 24 \}, \\ \{16, 22, 23 \}, \end{cases} $	$ \{ \begin{aligned} &\{17,18,19\},\\ &\{17,21,26\},\\ &\{17,22,27\},\\ &\{18,21,25\},\\ &\{20,21,22\},\\ &\{23,24,25\}. \end{aligned} $
$\begin{split} n &= 30 \\ \{0, 1, 2\}, \\ \{0, 3, 14\}, \\ \{0, 4, 5\}, \\ \{0, 6, 17\}, \\ \{0, 7, 8\}, \\ \{0, 9, 15\}, \\ \{0, 10, 16\}, \\ \{0, 11, 29\}, \\ \{0, 12, 21\}, \\ \{0, 13, 26\}, \\ \{0, 19, 25\}, \\ \{0, 20, 23\}, \\ \{0, 22, 27\}, \\ \{0, 24, 28\}, \\ \{1, 4, 7\}, \\ \{1, 5, 24\}, \end{split}$	$ \begin{cases} 1, 6, 14 \}, \\ \{1, 8, 12 \}, \\ \{1, 9, 26 \}, \\ \{1, 10, 15 \}, \\ \{1, 11, 22 \}, \\ \{1, 13, 17 \}, \\ \{1, 16, 20 \}, \\ \{1, 18, 21 \}, \\ \{1, 19, 28 \}, \\ \{1, 23, 27 \}, \\ \{1, 25, 29 \}, \\ \{2, 3, 4 \}, \\ \{2, 5, 21 \}, \\ \{2, 7, 22 \}, \\ \{2, 8, 15 \}, \\ \{2, 10, 24 \}, \end{cases} $	$ \begin{cases} 2, 11, 25 \}, \\ \{2, 12, 18 \}, \\ \{2, 13, 28 \}, \\ \{2, 14, 29 \}, \\ \{2, 16, 23 \}, \\ \{2, 17, 27 \}, \\ \{2, 19, 26 \}, \\ \{3, 6, 23 \}, \\ \{3, 6, 23 \}, \\ \{3, 7, 11 \}, \\ \{3, 8, 28 \}, \\ \{3, 9, 20 \}, \\ \{3, 10, 25 \}, \\ \{3, 12, 15 \}, \\ \{3, 16, 19 \}, \\ \{3, 18, 27 \}, \end{cases} $	$ \begin{cases} 3, 21, 29 \}, \\ \{3, 22, 26 \}, \\ \{4, 8, 23 \}, \\ \{4, 9, 14 \}, \\ \{4, 10, 27 \}, \\ \{4, 11, 21 \}, \\ \{4, 12, 20 \}, \\ \{4, 13, 19 \}, \\ \{4, 15, 18 \}, \\ \{4, 16, 24 \}, \\ \{4, 17, 22 \}, \\ \{4, 25, 28 \}, \\ \{4, 26, 29 \}, \\ \{5, 6, 7 \}, \\ \{5, 8, 25 \}, \\ \{5, 9, 12 \}, \end{cases} $	$ \begin{cases} 5, 10, 13 \}, \\ \{5, 11, 18 \}, \\ \{5, 14, 23 \}, \\ \{5, 15, 19 \}, \\ \{5, 16, 27 \}, \\ \{5, 17, 26 \}, \\ \{5, 20, 29 \}, \\ \{5, 22, 28 \}, \\ \{6, 9, 13 \}, \\ \{6, 10, 11 \}, \\ \{6, 12, 27 \}, \\ \{6, 15, 25 \}, \\ \{6, 16, 22 \}, \\ \{6, 18, 29 \}, \\ \{6, 19, 24 \}, \\ \{6, 20, 28 \}, \end{cases} $	$\{ \begin{array}{l} \{6,21,26\},\\ \{7,10,23\},\\ \{7,12,19\},\\ \{7,13,27\},\\ \{7,14,28\},\\ \{7,15,20\},\\ \{7,16,25\},\\ \{7,17,29\},\\ \{7,18,26\},\\ \{7,21,24\},\\ \{8,9,10\},\\ \{8,11,24\},\\ \{8,13,18\},\\ \{8,14,19\},\\ \{8,16,26\},\\ \{8,17,21\},\\ \end{array}$	$ \begin{cases} 8, 20, 27 \}, \\ \{8, 22, 29 \}, \\ \{9, 16, 29 \}, \\ \{9, 17, 23 \}, \\ \{9, 18, 24 \}, \\ \{9, 19, 22 \}, \\ \{9, 21, 25 \}, \\ \{9, 27, 28 \}, \\ \{10, 14, 26 \}, \\ \{10, 17, 20 \}, \\ \{10, 18, 22 \}, \\ \{10, 19, 29 \}, \\ \{10, 21, 28 \}, \\ \{11, 12, 13 \}, \\ \{11, 14, 17 \}, \\ \{11, 15, 23 \}, \end{cases} $	$ \begin{cases} 11, 16, 28 \}, \\ \{11, 19, 27 \}, \\ \{11, 20, 26 \}, \\ \{12, 17, 28 \}, \\ \{12, 22, 25 \}, \\ \{12, 23, 26 \}, \\ \{12, 24, 29 \}, \\ \{13, 14, 22 \}, \\ \{13, 16, 21 \}, \\ \{13, 20, 25 \}, \\ \{13, 20, 25 \}, \\ \{14, 32, 29 \}, \\ \{14, 18, 25 \}, \\ \{14, 20, 24 \}, \\ \{14, 21, 27 \}, \\ \{15, 16, 17 \}, \\ \{15, 21, 22 \}, \end{cases} $	$ \{ 15, 24, 27 \}, \\ \{ 15, 28, 29 \}, \\ \{ 17, 18, 19 \}, \\ \{ 17, 24, 25 \}, \\ \{ 18, 23, 28 \}, \\ \{ 19, 20, 21 \}, \\ \{ 22, 23, 24 \}, \\ \{ 25, 26, 27 \}. $
$\begin{array}{l} n=32\\ \{0,1,2\},\\ \{0,3,7\},\\ \{0,4,8\},\\ \{0,5,22\},\\ \{0,6,10\},\\ \{0,9,21\},\\ \{0,11,17\},\\ \{0,12,23\},\\ \{0,13,16\},\\ \{0,14,26\},\\ \{0,15,25\},\\ \{0,18,30\},\\ \{0,19,29\},\\ \{0,20,24\},\\ \{0,28,31\},\\ \{1,4,20\},\\ \{1,5,8\},\\ \{1,6,16\},\\ n=34 \end{array}$	$ \begin{cases} 1, 7, 25 \}, \\ \{1, 9, 28 \}, \\ \{1, 10, 27 \}, \\ \{1, 11, 29 \}, \\ \{1, 12, 22 \}, \\ \{1, 13, 19 \}, \\ \{1, 14, 18 \}, \\ \{1, 15, 21 \}, \\ \{1, 17, 31 \}, \\ \{1, 23, 24 \}, \\ \{1, 26, 30 \}, \\ \{2, 3, 29 \}, \\ \{2, 5, 17 \}, \\ \{2, 6, 30 \}, \\ \{2, 7, 8 \}, \\ \{2, 9, 24 \}, \\ \{2, 10, 21 \}, \\ \{2, 11, 14 \}, \end{cases} $	$\{ 2, 12, 15 \}, \\ \{2, 13, 26 \}, \\ \{2, 16, 28 \}, \\ \{2, 18, 25 \}, \\ \{2, 19, 31 \}, \\ \{2, 20, 23 \}, \\ \{2, 22, 27 \}, \\ \{3, 4, 5 \}, \\ \{3, 6, 24 \}, \\ \{3, 8, 31 \}, \\ \{3, 9, 19 \}, \\ \{3, 10, 11 \}, \\ \{3, 12, 25 \}, \\ \{3, 10, 11 \}, \\ \{3, 12, 25 \}, \\ \{3, 14, 17 \}, \\ \{3, 15, 28 \}, \\ \{3, 16, 22 \}, \\ \{3, 18, 27 \}, \\ \}$	$ \begin{cases} 3, 20, 26 \}, \\ \{3, 23, 30 \}, \\ \{4, 7, 12 \}, \\ \{4, 9, 13 \}, \\ \{4, 10, 24 \}, \\ \{4, 11, 18 \}, \\ \{4, 14, 27 \}, \\ \{4, 16, 19 \}, \\ \{4, 16, 19 \}, \\ \{4, 17, 21 \}, \\ \{4, 22, 28 \}, \\ \{4, 23, 26 \}, \\ \{4, 25, 30 \}, \\ \{5, 6, 7 \}, \\ \{5, 9, 30 \}, \\ \{5, 11, 21 \}, \\ \{5, 12, 31 \}, \end{cases} $	$ \begin{cases} 5, 13, 27 \}, \\ \{5, 14, 28 \}, \\ \{5, 15, 18 \}, \\ \{5, 16, 23 \}, \\ \{5, 19, 24 \}, \\ \{5, 20, 25 \}, \\ \{6, 9, 17 \}, \\ \{6, 12, 20 \}, \\ \{6, 13, 18 \}, \\ \{6, 14, 21 \}, \\ \{6, 15, 31 \}, \\ \{6, 19, 26 \}, \\ \{6, 22, 29 \}, \\ \{6, 23, 27 \}, \\ \{6, 25, 28 \}, \\ \{7, 10, 13 \}, \\ \{7, 11, 23 \}, \\ \{7, 14, 30 \}, \end{cases} $	$ \begin{cases} 7, 15, 27 \}, \\ \{7, 16, 20 \}, \\ \{7, 17, 22 \}, \\ \{7, 18, 24 \}, \\ \{7, 19, 28 \}, \\ \{7, 21, 31 \}, \\ \{7, 26, 29 \}, \\ \{8, 9, 10 \}, \\ \{8, 11, 12 \}, \\ \{8, 13, 28 \}, \\ \{8, 14, 24 \}, \\ \{8, 15, 23 \}, \\ \{8, 16, 29 \}, \\ \{8, 16, 29 \}, \\ \{8, 17, 25 \}, \\ \{8, 18, 22 \}, \\ \{8, 19, 27 \}, \\ \{8, 20, 30 \}, \\ \{8, 21, 26 \}, \end{cases} $	$ \begin{cases} 9,12,29 \}, \\ \{9,14,15 \}, \\ \{9,20,27 \}, \\ \{9,20,27 \}, \\ \{9,22,23 \}, \\ \{9,26,31 \}, \\ \{10,14,20 \}, \\ \{10,15,26 \}, \\ \{10,16,30 \}, \\ \{10,17,23 \}, \\ \{10,18,28 \}, \\ \{10,19,22 \}, \\ \{10,25,31 \}, \\ \{11,19,25 \}, \\ \{11,16,31 \}, \\ \{11,19,25 \}, \\ \{11,20,28 \}, \\ \{11,22,26 \}, \end{cases} $	$ \begin{cases} 11, 27, 30 \}, \\ \{12, 13, 14 \}, \\ \{12, 16, 24 \}, \\ \{12, 17, 27 \}, \\ \{12, 18, 26 \}, \\ \{12, 19, 30 \}, \\ \{12, 21, 28 \}, \\ \{13, 17, 30 \}, \\ \{13, 20, 31 \}, \\ \{13, 22, 25 \}, \\ \{13, 24, 29 \}, \\ \{14, 19, 23 \}, \\ \{14, 22, 31 \}, \\ \{14, 25, 29 \}, \\ \{15, 19, 20 \}, \\ \{15, 22, 30 \}, \\ \{16, 17, 26 \}, \\ \{16, 21, 27 \}, \end{cases} $	$ \begin{cases} 17, 18, 19 \}, \\ \{17, 20, 29 \}, \\ \{17, 24, 28 \}, \\ \{18, 21, 29 \}, \\ \{18, 23, 31 \}, \\ \{20, 21, 22 \}, \\ \{21, 24, 30 \}, \\ \{23, 28, 29 \}, \\ \{24, 25, 26 \}, \\ \{24, 27, 31 \}, \\ \{26, 27, 28 \}, \\ \{29, 30, 31 \}. \end{cases} $
$\begin{array}{l} n = 54 \\ \{0, 1, 2\}, \\ \{0, 3, 16\}, \\ \{0, 4, 30\}, \\ \{0, 5, 13\}, \\ \{0, 6, 17\}, \\ \{0, 7, 10\}, \\ \{0, 9, 32\}, \\ \{0, 11, 27\}, \\ \{0, 12, 21\}, \\ \{0, 14, 25\}, \\ \{0, 15, 29\}, \\ \{0, 18, 24\}, \end{array}$	$\{ \begin{matrix} 0, 19, 28 \\ \{0, 20, 26 \ \\ \{0, 22, 31 \ \\ \{0, 23, 33 \ \\ \{1, 4, 26 \}, \\ \{1, 5, 23 \}, \\ \{1, 6, 13 \}, \\ \{1, 7, 21 \}, \\ \{1, 8, 29 \}, \\ \{1, 9, 10 \}, \\ \{1, 11, 28 \}, \\ \{1, 12, 17 \}, \end{matrix}$	$ \begin{cases} 1, 14, 30 \}, \\ \{1, 15, 27 \}, \\ \{1, 16, 32 \}, \\ \{1, 18, 33 \}, \\ \{1, 19, 31 \}, \\ \{1, 20, 24 \}, \\ \{1, 22, 25 \}, \\ \{2, 3, 4 \}, \\ \{2, 5, 10 \}, \\ \{2, 6, 7 \}, \\ \{2, 8, 31 \}, \\ \{2, 9, 17 \}, \end{cases} $	$ \{ \begin{array}{l} 2,11,22 \}, \\ \{2,12,32 \}, \\ \{2,13,20 \}, \\ \{2,14,24 \}, \\ \{2,15,18 \}, \\ \{2,16,33 \}, \\ \{2,19,23 \}, \\ \{2,25,28 \}, \\ \{2,26,29 \}, \\ \{2,27,30 \}, \\ \{3,6,12 \}, \\ \{3,7,14 \}, \end{array} $	$ \begin{cases} 3, 8, 30 \}, \\ \{3, 9, 26 \}, \\ \{3, 10, 13 \}, \\ \{3, 15, 21 \}, \\ \{3, 17, 33 \}, \\ \{3, 18, 22 \}, \\ \{3, 19, 25 \}, \\ \{3, 20, 32 \}, \\ \{3, 23, 27 \}, \\ \{3, 24, 31 \}, \\ \{3, 28, 29 \}, \\ \{4, 5, 6 \}, \end{cases} $	$ \begin{array}{l} \{4,7,16\},\\ \{4,8,21\},\\ \{4,9,24\},\\ \{4,10,23\},\\ \{4,11,15\},\\ \{4,12,27\},\\ \{4,14,18\},\\ \{4,17,29\},\\ \{4,19,22\},\\ \{4,20,31\},\\ \{4,25,32\},\\ \{4,28,33\}, \end{array} $	$ \{ \begin{array}{l} \{5,8,32\},\\ \{5,9,22\},\\ \{5,11,29\},\\ \{5,12,16\},\\ \{5,14,21\},\\ \{5,15,33\},\\ \{5,17,26\},\\ \{5,18,31\},\\ \{5,19,27\},\\ \{5,20,25\},\\ \{5,24,28\},\\ \{6,9,25\},\\ \end{array} $	$ \begin{cases} 6, 10, 33 \}, \\ \{6, 11, 31 \}, \\ \{6, 14, 19 \}, \\ \{6, 15, 26 \}, \\ \{6, 16, 29 \}, \\ \{6, 18, 32 \}, \\ \{6, 20, 28 \}, \\ \{6, 21, 27 \}, \\ \{6, 22, 23 \}, \\ \{6, 24, 30 \}, \\ \{7, 8, 9 \}, \\ \{7, 11, 25 \}, \end{cases} $	$ \{ \begin{matrix} 7,12,13 \\ 7,15,20 \\ , \\ 7,17,30 \\ , \\ 7,18,28 \\ , \\ 7,19,29 \\ , \\ 7,22,26 \\ , \\ 7,23,32 \\ , \\ 7,24,33 \\ , \\ 7,27,31 \\ , \\ 8,11,18 \\ , \\ 8,12,19 \\ , \\ 8,13,28 \\ , \end{matrix} $

$ \begin{cases} 8, 14, 26 \}, \\ \{8, 15, 24 \}, \\ \{8, 16, 27 \}, \\ \{8, 17, 22 \}, \\ \{8, 20, 23 \}, \\ \{8, 25, 33 \}, \\ \{9, 12, 31 \}, \\ \{9, 13, 21 \}, \end{cases} $ n = 36	$\{ \begin{array}{l} \{9,14,23\},\\ \{9,15,30\},\\ \{9,16,28\},\\ \{9,18,27\},\\ \{9,19,20\},\\ \{9,29,33\},\\ \{10,11,12\},\\ \{10,14,32\}, \end{array} \}$	$ \begin{array}{l} \{10, 15, 28\}, \\ \{10, 16, 19\}, \\ \{10, 17, 20\}, \\ \{10, 18, 26\}, \\ \{10, 21, 31\}, \\ \{10, 22, 29\}, \\ \{10, 24, 27\}, \\ \{10, 25, 30\}, \end{array}$	$ \begin{array}{l} \{11,14,17\},\\ \{11,16,20\},\\ \{11,19,26\},\\ \{11,21,33\},\\ \{11,23,30\},\\ \{11,24,32\},\\ \{12,15,22\},\\ \{12,18,25\}, \end{array}$	$ \begin{array}{l} \{12,20,30\},\\ \{12,23,28\},\\ \{12,24,29\},\\ \{12,26,33\},\\ \{13,14,15\},\\ \{13,16,31\},\\ \{13,17,23\},\\ \{13,19,24\}, \end{array}$	$ \begin{array}{l} \{13,22,27\},\\ \{13,25,29\},\\ \{13,26,30\},\\ \{13,32,33\},\\ \{14,02,29\},\\ \{14,22,33\},\\ \{14,28,31\},\\ \{15,16,25\}, \end{array}$	$ \{ 15, 19, 32 \}, \\ \{ 15, 23, 31 \}, \\ \{ 16, 21, 24 \}, \\ \{ 16, 22, 30 \}, \\ \{ 16, 23, 26 \}, \\ \{ 17, 18, 19 \}, \\ \{ 17, 21, 28 \}, \\ \{ 17, 25, 31 \}, $	$ \begin{array}{l} \{17,27,32\},\\ \{18,21,30\},\\ \{18,23,29\},\\ \{19,30,33\},\\ \{20,21,22\},\\ \{20,27,33\},\\ \{21,25,26\},\\ \{21,29,32\}, \end{array}$	$\begin{array}{l} \{22,28,32\},\\ \{23,24,25\},\\ \{26,27,28\},\\ \{26,31,32\},\\ \{29,30,31\}. \end{array}$
$ \begin{cases} 0, 1, 2\}, \\ \{0, 4, 34\}, \\ \{0, 5, 28\}, \\ \{0, 6, 19\}, \\ \{0, 7, 15\}, \\ \{0, 8, 20\}, \\ \{0, 9, 12\}, \\ \{0, 10, 14\}, \\ \{0, 11, 35\}, \\ \{0, 10, 14\}, \\ \{0, 11, 35\}, \\ \{0, 13, 22\}, \\ \{0, 16, 29\}, \\ \{0, 17, 26\}, \\ \{0, 17, 26\}, \\ \{0, 18, 31\}, \\ \{0, 21, 24\}, \\ \{0, 23, 27\}, \\ \{0, 25, 32\}, \\ \{0, 30, 33\}, \\ \{1, 4, 5\}, \\ \{1, 6, 17\}, \\ \{1, 7, 10\}, \\ \{1, 8, 14\}, \\ \{1, 9, 20\}, \\ \{1, 11, 27\}, \\ n = 38 \end{cases} $	$ \begin{cases} 1, 12, 24 \}, \\ \{1, 13, 28 \}, \\ \{1, 15, 23 \}, \\ \{1, 16, 30 \}, \\ \{1, 18, 32 \}, \\ \{1, 19, 34 \}, \\ \{1, 21, 29 \}, \\ \{1, 22, 25 \}, \\ \{1, 26, 33 \}, \\ \{1, 26, 33 \}, \\ \{2, 3, 4 \}, \\ \{2, 5, 19 \}, \\ \{2, 6, 15 \}, \\ \{2, 8, 26 \}, \\ \{2, 9, 21 \}, \\ \{2, 10, 27 \}, \\ \{2, 10, 27 \}, \\ \{2, 11, 17 \}, \\ \{2, 12, 23 \}, \\ \{2, 14, 24 \}, \\ \{2, 16, 20 \}, \\ \{2, 22, 30 \}, \end{cases} $	$ \begin{cases} 2, 25, 35 \}, \\ \{2, 28, 31 \}, \\ \{2, 32, 33 \}, \\ \{3, 6, 35 \}, \\ \{3, 7, 33 \}, \\ \{3, 8, 31 \}, \\ \{3, 9, 13 \}, \\ \{3, 10, 24 \}, \\ \{3, 10, 24 \}, \\ \{3, 12, 20 \}, \\ \{3, 14, 28 \}, \\ \{3, 15, 32 \}, \\ \{3, 16, 21 \}, \\ \{3, 16, 21 \}, \\ \{3, 16, 21 \}, \\ \{3, 16, 21 \}, \\ \{3, 17, 30 \}, \\ \{3, 18, 27 \}, \\ \{3, 22, 34 \}, \\ \{3, 23, 26 \}, \\ \{4, 7, 35 \}, \\ \{4, 8, 13 \}, \\ \{4, 9, 25 \}, \\ \{4, 10, 17 \}, \\ \{4, 11, 30 \}, \end{cases} $	$ \begin{cases} 4, 12, 33 \}, \\ \{4, 14, 18 \}, \\ \{4, 15, 26 \}, \\ \{4, 16, 24 \}, \\ \{4, 19, 23 \}, \\ \{4, 20, 28 \}, \\ \{4, 21, 27 \}, \\ \{4, 22, 31 \}, \\ \{4, 29, 32 \}, \\ \{5, 6, 7 \}, \\ \{5, 8, 24 \}, \\ \{5, 9, 10 \}, \\ \{5, 11, 31 \}, \\ \{5, 12, 25 \}, \\ \{5, 13, 27 \}, \\ \{5, 14, 33 \}, \\ \{5, 15, 20 \}, \\ \{5, 16, 34 \}, \\ \{5, 17, 29 \}, \\ \{5, 18, 23 \}, \\ \{5, 22, 35 \}, \\ \{5, 26, 32 \}, \end{cases} $	$ \begin{cases} 6, 9, 18 \}, \\ \{6, 10, 25 \}, \\ \{6, 11, 32 \}, \\ \{6, 12, 29 \}, \\ \{6, 13, 16 \}, \\ \{6, 20, 27 \}, \\ \{6, 21, 26 \}, \\ \{6, 22, 33 \}, \\ \{6, 23, 30 \}, \\ \{6, 24, 31 \}, \\ \{6, 28, 34 \}, \\ \{7, 8, 9 \}, \\ \{7, 11, 28 \}, \\ \{7, 12, 18 \}, \\ \{7, 12, 18 \}, \\ \{7, 14, 22 \}, \\ \{7, 16, 25 \}, \\ \{7, 17, 31 \}, \\ \{7, 20, 23 \}, \\ \{7, 21, 34 \}, \\ \{7, 27, 30 \}, \end{cases} $	$ \begin{cases} 8, 11, 23 \}, \\ \{8, 12, 34 \}, \\ \{8, 15, 27 \}, \\ \{8, 16, 35 \}, \\ \{8, 17, 32 \}, \\ \{8, 20, 33 \}, \\ \{8, 25, 30 \}, \\ \{8, 29, 33 \}, \\ \{9, 14, 26 \}, \\ \{9, 15, 30 \}, \\ \{9, 16, 23 \}, \\ \{9, 16, 23 \}, \\ \{9, 17, 35 \}, \\ \{9, 19, 31 \}, \\ \{9, 22, 29 \}, \\ \{9, 24, 32 \}, \\ \{9, 27, 34 \}, \\ \{9, 28, 33 \}, \\ \{10, 11, 12 \}, \\ \{10, 13, 29 \}, \\ \{10, 16, 26 \}, \\ \{10, 18, 33 \}, \end{cases} $	$ \begin{cases} 10, 19, 30 \}, \\ \{10, 20, 34 \}, \\ \{10, 22, 32 \}, \\ \{10, 23, 31 \}, \\ \{10, 28, 35 \}, \\ \{11, 14, 19 \}, \\ \{11, 15, 25 \}, \\ \{11, 16, 22 \}, \\ \{11, 10, 23, 33 \}, \\ \{11, 20, 33 \}, \\ \{12, 13, 14 \}, \\ \{12, 13, 14 \}, \\ \{12, 15, 28 \}, \\ \{12, 16, 31 \}, \\ \{12, 17, 21 \}, \\ \{12, 10, 35 \}, \\ \{13, 10, 33 \}, \\ \{13, 20, 25 \}, \\ \{13, 21, 35 \}, \end{cases} $	$ \begin{cases} 13, 26, 31 \}, \\ \{14, 15, 16 \}, \\ \{14, 17, 20 \}, \\ \{14, 21, 32 \}, \\ \{14, 23, 34 \}, \\ \{14, 25, 29 \}, \\ \{14, 27, 31 \}, \\ \{14, 30, 35 \}, \\ \{15, 18, 35 \}, \\ \{15, 19, 29 \}, \\ \{15, 24, 33 \}, \\ \{15, 31, 34 \}, \\ \{16, 17, 28 \}, \\ \{16, 19, 32 \}, \\ \{16, 27, 33 \}, \\ \{17, 22, 27 \}, \\ \{17, 23, 33 \}, \\ \{17, 25, 34 \}, \\ \{18, 19, 20 \}, \\ \{18, 22, 26 \}, \\ \{18, 24, 34 \}, \\ \{18, 25, 28 \}, \\ \{19, 24, 28 \}, \end{cases} $	$ \begin{array}{l} \{20, 21, 31\}, \\ \{20, 24, 30\}, \\ \{20, 26, 29\}, \\ \{20, 32, 35\}, \\ \{21, 22, 23\}, \\ \{21, 25, 33\}, \\ \{23, 24, 25\}, \\ \{23, 28, 32\}, \\ \{23, 29, 35\}, \\ \{24, 27, 35\}, \\ \{24, 27, 35\}, \\ \{25, 26, 27\}, \\ \{27, 28, 29\}, \\ \{29, 30, 34\}, \\ \{30, 31, 32\}, \\ \{33, 34, 35\}. \end{array}$
	$ \begin{cases} 1, 14, 29 \}, \\ \{1, 15, 34 \}, \\ \{1, 16, 33 \}, \\ \{1, 17, 20 \}, \\ \{1, 18, 31 \}, \\ \{1, 21, 24 \}, \\ \{1, 25, 35 \}, \\ \{1, 25, 35 \}, \\ \{1, 27, 32 \}, \\ \{2, 3, 4 \}, \\ \{2, 5, 10 \}, \\ \{2, 6, 32 \}, \\ \{2, 7, 13 \}, \\ \{2, 8, 18 \}, \\ \{2, 9, 30 \}, \\ \{2, 11, 34 \}, \\ \{2, 12, 28 \}, \\ \{2, 14, 33 \}, \\ \{2, 16, 36 \}, \\ \{2, 19, 25 \}, \\ \{2, 20, 29 \}, \\ \{2, 22, 37 \}, \\ \{2, 24, 35 \}, \end{cases} $	$ \begin{cases} 2, 26, 27 \}, \\ \{3, 6, 17 \}, \\ \{3, 7, 18 \}, \\ \{3, 8, 27 \}, \\ \{3, 9, 36 \}, \\ \{3, 11, 32 \}, \\ \{3, 12, 23 \}, \\ \{3, 12, 23 \}, \\ \{3, 13, 33 \}, \\ \{3, 14, 30 \}, \\ \{3, 15, 35 \}, \\ \{3, 16, 19 \}, \\ \{3, 20, 24 \}, \\ \{3, 21, 28 \}, \\ \{3, 22, 25 \}, \\ \{3, 20, 24 \}, \\ \{3, 22, 25 \}, \\ \{3, 26, 31 \}, \\ \{3, 29, 37 \}, \\ \{4, 7, 23 \}, \\ \{4, 8, 12 \}, \\ \{4, 9, 34 \}, \\ \{4, 10, 13 \}, \\ \{4, 10, 13 \}, \\ \{4, 12, 24 \}, \\ \{4, 16, 32 \}, \\ \{4, 17, 21 \}, \\ \{4, 18, 29 \}, \end{cases} $	$ \begin{cases} 4, 19, 22 \}, \\ \{4, 20, 26 \}, \\ \{4, 25, 28 \}, \\ \{4, 30, 35 \}, \\ \{4, 31, 36 \}, \\ \{4, 33, 37 \}, \\ \{5, 6, 7 \}, \\ \{5, 8, 22 \}, \\ \{5, 9, 12 \}, \\ \{5, 11, 26 \}, \\ \{5, 13, 29 \}, \\ \{5, 14, 21 \}, \\ \{5, 15, 28 \}, \\ \{5, 16, 20 \}, \\ \{5, 17, 33 \}, \\ \{5, 16, 20 \}, \\ \{5, 17, 33 \}, \\ \{5, 19, 34 \}, \\ \{5, 25, 36 \}, \\ \{5, 27, 31 \}, \\ \{5, 32, 35 \}, \\ \{6, 10, 29 \}, \\ \{6, 11, 36 \}, \\ \{6, 12, 19 \}, \\ \{6, 13, 20 \}, \end{cases} $	$ \begin{cases} 6, 14, 28 \}, \\ \{6, 15, 22 \}, \\ \{6, 16, 25 \}, \\ \{6, 18, 23 \}, \\ \{6, 21, 31 \}, \\ \{6, 24, 37 \}, \\ \{6, 26, 33 \}, \\ \{6, 27, 35 \}, \\ \{6, 30, 34 \}, \\ \{7, 8, 25 \}, \\ \{7, 10, 36 \}, \\ \{7, 11, 17 \}, \\ \{7, 12, 24 \}, \\ \{7, 14, 19 \}, \\ \{7, 12, 24 \}, \\ \{7, 20, 27 \}, \\ \{7, 20, 27 \}, \\ \{7, 20, 27 \}, \\ \{7, 20, 27 \}, \\ \{7, 20, 27 \}, \\ \{7, 20, 33 \}, \\ \{7, 22, 29 \}, \\ \{7, 26, 35 \}, \\ \{7, 28, 31 \}, \\ \{7, 34, 37 \}, \\ \{8, 9, 10 \}, \\ \{8, 11, 31 \}, \\ \{8, 14, 26 \}, \end{cases} $	$ \begin{cases} 8, 15, 29 \}, \\ \{8, 16, 35 \}, \\ \{8, 20, 28 \}, \\ \{8, 20, 28 \}, \\ \{8, 23, 34 \}, \\ \{8, 24, 36 \}, \\ \{8, 30, 33 \}, \\ \{9, 13, 25 \}, \\ \{9, 14, 24 \}, \\ \{9, 15, 18 \}, \\ \{9, 16, 22 \}, \\ \{9, 16, 22 \}, \\ \{9, 16, 22 \}, \\ \{9, 16, 22 \}, \\ \{9, 16, 22 \}, \\ \{9, 16, 22 \}, \\ \{9, 23, 29 \}, \\ \{9, 23, 29 \}, \\ \{9, 23, 29 \}, \\ \{9, 23, 29 \}, \\ \{9, 23, 29 \}, \\ \{9, 23, 35 \}, \\ \{9, 31, 37 \}, \\ \{10, 11, 12 \}, \\ \{10, 14, 31 \}, \\ \{10, 15, 30 \}, \\ \{10, 16, 34 \}, \\ \{10, 17, 24 \}, \\ \{10, 20, 23 \}, \\ \{10, 21, 35 \}, \end{cases} $	$ \begin{cases} 10, 22, 27 \}, \\ \{10, 25, 33 \}, \\ \{10, 26, 32 \}, \\ \{11, 14, 35 \}, \\ \{11, 15, 25 \}, \\ \{11, 16, 29 \}, \\ \{11, 18, 21 \}, \\ \{11, 19, 30 \}, \\ \{11, 22, 33 \}, \\ \{11, 23, 27 \}, \\ \{11, 28, 37 \}, \\ \{12, 13, 36 \}, \\ \{12, 15, 26 \}, \\ \{12, 16, 21 \}, \\ \{12, 16, 21 \}, \\ \{12, 17, 34 \}, \\ \{12, 16, 21 \}, \\ \{12, 17, 34 \}, \\ \{12, 20, 30 \}, \\ \{12, 25, 32 \}, \\ \{12, 27, 37 \}, \\ \{12, 29, 33 \}, \\ \{13, 14, 15 \}, \\ \{13, 16, 28 \}, \\ \{13, 17, 31 \}, \\ \{13, 18, 26 \}, \\ \{13, 22, 30 \}, \end{cases} $	$ \begin{cases} 13, 23, 35 \}, \\ \{13, 24, 32 \}, \\ \{13, 27, 34 \}, \\ \{14, 17, 36 \}, \\ \{14, 18, 34 \}, \\ \{14, 22, 32 \}, \\ \{14, 23, 37 \}, \\ \{15, 16, 37 \}, \\ \{15, 19, 31 \}, \\ \{15, 20, 36 \}, \\ \{15, 23, 33 \}, \\ \{15, 24, 27 \}, \\ \{16, 17, 18 \}, \\ \{16, 23, 26 \}, \\ \{16, 24, 31 \}, \\ \{16, 27, 30 \}, \\ \{17, 22, 35 \}, \\ \{17, 23, 30 \}, \\ \{17, 25, 29 \}, \\ \{17, 26, 37 \}, \\ \{18, 22, 28 \}, \\ \{18, 22, 33 \}, \\ \{18, 36, 37 \}, \\ \{19, 20, 21 \}, \end{cases} $	$ \begin{cases} 19, 23, 24 \}, \\ \{19, 26, 29 \}, \\ \{19, 27, 33 \}, \\ \{19, 35, 36 \}, \\ \{20, 25, 34 \}, \\ \{20, 31, 35 \}, \\ \{20, 32, 37 \}, \\ \{21, 22, 23 \}, \\ \{21, 25, 37 \}, \\ \{21, 26, 30 \}, \\ \{21, 27, 36 \}, \\ \{21, 29, 34 \}, \\ \{22, 26, 36 \}, \\ \{22, 31, 34 \}, \\ \{23, 28, 32 \}, \\ \{24, 25, 26 \}, \\ \{24, 28, 34 \}, \\ \{24, 29, 30 \}, \\ \{27, 28, 29 \}, \\ \{28, 33, 36 \}, \\ \{29, 32, 36 \}, \\ \{30, 31, 32 \}, \\ \{33, 34, 35 \}. \end{cases} $
$\begin{array}{l} n=40\\ \{0,1,2\},\\ \{0,4,27\},\\ \{0,5,8\},\\ \{0,6,10\},\\ \{0,7,25\},\\ \{0,9,26\},\\ \{0,11,24\},\\ \{0,14,34\},\end{array}$	$\{ \begin{matrix} 0,15,22 \\ \{0,16,33 \\ \{0,17,29 \\ \{0,18,32 \\ \{0,19,37 \\ \{0,20,36 \\ \{0,21,31 \\ \{0,23,35 \\ , \end{matrix} \},$	$\{ 0, 28, 39 \}, \\ \{0, 30, 38 \}, \\ \{1, 4, 5 \}, \\ \{1, 6, 13 \}, \\ \{1, 7, 8 \}, \\ \{1, 9, 14 \}, \\ \{1, 10, 11 \}, \\ \{1, 12, 25 \}, \end{cases}$	$ \{ \begin{matrix} 1,15,20 \\ 1,16,19 \\ 1,17,38 \\ 1,18,28 \\ 1,21,26 \\ 1,22,30 \\ 1,23,31 \\ 1,24,29 \\ 1,24,29 \\ 1,24,29 \\ 1,24,29 \\ 1,24,29 \\ 1,24,29 \\ 1,25,20 \\$	$\{ \begin{matrix} 1,27,34 \}, \\ \{1,32,35 \}, \\ \{1,33,39 \}, \\ \{1,36,37 \}, \\ \{2,3,4 \}, \\ \{2,5,19 \}, \\ \{2,6,16 \}, \\ \{2,7,24 \}, \end{matrix}$	$ \begin{array}{l} \{2,8,14\},\\ \{2,9,23\},\\ \{2,10,28\},\\ \{2,11,37\},\\ \{2,12,26\},\\ \{2,13,35\},\\ \{2,15,38\},\\ \{2,17,27\}, \end{array} $	$\{ \begin{array}{c} \{2,18,21\},\\ \{2,20,33\},\\ \{2,22,29\},\\ \{2,25,32\},\\ \{2,30,34\},\\ \{2,31,39\},\\ \{3,6,18\},\\ \{3,7,11\}, \end{array} \}$	$\begin{array}{l} \{3,8,13\},\\ \{3,9,30\},\\ \{3,10,33\},\\ \{3,12,22\},\\ \{3,14,17\},\\ \{3,15,23\},\\ \{3,16,31\},\\ \{3,19,39\}, \end{array}$	$\begin{array}{l} \{3,20,35\},\\ \{3,21,32\},\\ \{3,24,38\},\\ \{3,25,26\}, \end{array}$

$ \begin{cases} 3, 27, 37 \}, \\ \{3, 28, 34 \}, \\ \{4, 7, 38 \}, \\ \{4, 7, 38 \}, \\ \{4, 9, 13 \}, \\ \{4, 9, 13 \}, \\ \{4, 10, 23 \}, \\ \{4, 20, 29 \}, $	$ \begin{cases} 5, 9, 27 \}, \\ \{5, 10, 24 \}, \\ \{5, 11, 25 \}, \\ \{5, 12, 29 \}, \\ \{5, 13, 21 \}, \\ \{5, 14, 36 \}, \\ \{5, 15, 18 \}, \\ \{5, 16, 20 \}, \\ \{5, 17, 33 \}, \\ \{5, 22, 26 \}, \\ \{5, 23, 30 \}, \\ \{5, 32, 39 \}, \\ \{5, 32, 39 \}, \\ \{5, 35, 38 \}, \\ \{6, 9, 39 \}, \\ \{6, 11, 27 \}, \\ \{6, 14, 31 \}, \\ \{6, 15, 35 \}, \end{cases} $	$ \begin{cases} 6, 17, 21 \}, \\ \{6, 19, 25 \}, \\ \{6, 20, 28 \}, \\ \{6, 22, 32 \}, \\ \{6, 23, 37 \}, \\ \{6, 26, 38 \}, \\ \{6, 29, 34 \}, \\ \{6, 33, 36 \}, \\ \{7, 10, 20 \}, \\ \{7, 12, 36 \}, \\ \{7, 13, 39 \}, \\ \{7, 14, 21 \}, \\ \{7, 15, 16 \}, \\ \{7, 17, 30 \}, \\ \{7, 19, 31 \}, \\ \{7, 22, 37 \}, \\ \{7, 23, 34 \}, \\ \{7, 28, 32 \}, \end{cases} $	$\{ \begin{matrix} 7, 29, 33 \\ \{8, 9, 10 \}, \\ \{8, 11, 19 \}, \\ \{8, 12, 23 \}, \\ \{8, 15, 29 \}, \\ \{8, 16, 24 \}, \\ \{8, 17, 31 \}, \\ \{8, 18, 35 \}, \\ \{8, 20, 32 \}, \\ \{8, 21, 34 \}, \\ \{8, 22, 39 \}, \\ \{8, 25, 37 \}, \\ \{8, 26, 33 \}, \\ \{8, 26, 33 \}, \\ \{8, 30, 36 \}, \\ \{9, 12, 38 \}, \\ \{9, 15, 31 \}, \\ \{9, 16, 35 \}, \\ \{9, 17, 22 \}, \\ \{9, 18, 34 \}, \\ \end{cases}$	$ \begin{cases} 9, 19, 28 \}, \\ \{9, 20, 21 \}, \\ \{9, 24, 33 \}, \\ \{9, 25, 36 \}, \\ \{9, 29, 37 \}, \\ \{10, 13, 18 \}, \\ \{10, 14, 29 \}, \\ \{10, 15, 34 \}, \\ \{10, 16, 38 \}, \\ \{10, 17, 25 \}, \\ \{10, 19, 26 \}, \\ \{10, 21, 39 \}, \\ \{10, 22, 36 \}, \\ \{10, 27, 31 \}, \\ \{10, 30, 35 \}, \\ \{10, 32, 37 \}, \\ \{11, 12, 13 \}, \\ \{11, 15, 33 \}, \\ \{11, 16, 23 \}, \end{cases} $	$ \begin{cases} 11, 17, 34 \}, \\ \{11, 18, 22 \}, \\ \{11, 20, 38 \}, \\ \{11, 21, 30 \}, \\ \{11, 26, 31 \}, \\ \{11, 28, 29 \}, \\ \{11, 36, 39 \}, \\ \{12, 15, 32 \}, \\ \{12, 16, 27 \}, \\ \{12, 16, 27 \}, \\ \{12, 17, 37 \}, \\ \{12, 10, 27 \}, \\ \{12, 20, 24 \}, \\ \{12, 21, 28 \}, \\ \{12, 33, 34 \}, \\ \{12, 35, 39 \}, \\ \{13, 14, 15 \}, \\ \{13, 16, 29 \}, \\ \{13, 17, 32 \}, \\ \{13, 19, 24 \}, \\ \{13, 20, 25 \}, \end{cases} $	$ \begin{cases} 13, 22, 28 \}, \\ \{13, 23, 27 \}, \\ \{13, 26, 37 \}, \\ \{13, 30, 33 \}, \\ \{13, 31, 36 \}, \\ \{13, 34, 38 \}, \\ \{14, 18, 37 \}, \\ \{14, 20, 27 \}, \\ \{14, 22, 35 \}, \\ \{14, 22, 35 \}, \\ \{14, 23, 26 \}, \\ \{14, 24, 28 \}, \\ \{14, 25, 39 \}, \\ \{15, 19, 36 \}, \\ \{15, 24, 37 \}, \\ \{15, 26, 30 \}, \\ \{15, 27, 39 \}, \\ \{16, 17, 18 \}, \\ \{16, 21, 37 \}, \end{cases} $	$ \begin{cases} 16, 25, 30 \}, \\ \{16, 26, 32 \}, \\ \{16, 28, 36 \}, \\ \{16, 34, 39 \}, \\ \{17, 20, 23 \}, \\ \{17, 24, 36 \}, \\ \{17, 28, 35 \}, \\ \{18, 23, 39 \}, \\ \{18, 24, 30 \}, \\ \{18, 25, 29 \}, \\ \{18, 26, 36 \}, \\ \{18, 31, 38 \}, \\ \{19, 22, 34 \}, \\ \{19, 22, 34 \}, \\ \{19, 22, 33 \}, \\ \{19, 27, 30 \}, \\ \{19, 29, 35 \}, \\ \{19, 32, 38 \}, \\ \{20, 26, 34 \}, \\ \{20, 30, 39 \}, \\ \{20, 31, 37 \}, \end{cases} $	$ \begin{cases} 21, 22, 23 \}, \\ \{21, 24, 35 \}, \\ \{21, 27, 36 \}, \\ \{21, 29, 38 \}, \\ \{22, 25, 38 \}, \\ \{22, 27, 33 \}, \\ \{23, 24, 25 \}, \\ \{23, 24, 25 \}, \\ \{23, 29, 32 \}, \\ \{24, 27, 32 \}, \\ \{24, 27, 32 \}, \\ \{24, 31, 35 \}, \\ \{26, 27, 28 \}, \\ \{26, 29, 39 \}, \\ \{28, 33, 37 \}, \\ \{29, 30, 31 \}, \\ \{31, 32, 33 \}, \\ \{34, 35, 36 \}, \\ \{37, 38, 39 \}. \end{cases} $
$\begin{array}{l} n=42\\ \{0,1,2\},\\ \{0,3,20\},\\ \{0,4,9\},\\ \{0,5,12\},\\ \{0,6,39\},\\ \{0,7,17\},\\ \{0,8,21\},\\ \{0,10,30\},\\ \{0,11,15\},\\ \{0,13,19\},\\ \{0,14,18\},\\ \{0,16,23\},\\ \{0,22,37\},\\ \{0,24,29\},\\ \{0,25,41\},\\ \{0,26,38\},\\ \{0,27,31\},\\ \{0,26,38\},\\ \{0,27,31\},\\ \{0,28,35\},\\ \{0,33,36\},\\ \{0,34,40\},\\ \{1,4,13\},\\ \{1,5,9\},\\ \{1,6,27\},\\ \{1,7,32\},\\ \{1,8,30\},\\ \{1,10,24\},\\ \{1,11,31\},\\ \{1,12,38\},\\ \{1,14,26\},\\ \{1,15,39\},\\ \{1,16,35\},\\ n=44 \end{array}$	$ \begin{cases} 1, 17, 22 \}, \\ \{1, 18, 36 \}, \\ \{1, 19, 20 \}, \\ \{1, 21, 41 \}, \\ \{1, 23, 33 \}, \\ \{1, 25, 37 \}, \\ \{1, 28, 40 \}, \\ \{2, 3, 4 \}, \\ \{2, 5, 41 \}, \\ \{2, 6, 18 \}, \\ \{2, 7, 19 \}, \\ \{2, 6, 18 \}, \\ \{2, 7, 19 \}, \\ \{2, 12, 27 \}, \\ \{2, 14, 25 \}, \\ \{2, 12, 27 \}, \\ \{2, 14, 25 \}, \\ \{2, 15, 24 \}, \\ \{2, 16, 37 \}, \\ \{2, 20, 30 \}, \\ \{2, 20, 30 \}, \\ \{2, 20, 30 \}, \\ \{2, 22, 34 \}, \\ \{2, 23, 31 \}, \\ \{2, 20, 30 \}, \\ \{2, 29, 40 \}, \\ \{2, 35, 39 \}, \\ \{3, 6, 10 \}, \\ \{3, 7, 39 \}, \\ \{3, 11, 38 \}, \end{cases} $	$ \begin{cases} 3, 12, 22 \}, \\ \{3, 13, 18 \}, \\ \{3, 14, 36 \}, \\ \{3, 15, 31 \}, \\ \{3, 16, 40 \}, \\ \{3, 19, 41 \}, \\ \{3, 21, 25 \}, \\ \{3, 26, 37 \}, \\ \{3, 26, 37 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{3, 29, 33 \}, \\ \{4, 5, 6\}, \\ \{4, 7, 15 \}, \\ \{4, 4, 7, 15 \}, \\ \{4, 4, 2, 32 \}, \\ \{4, 10, 26 \}, \\ \{4, 11, 18 \}, \\ \{4, 12, 32 \}, \\ \{4, 10, 26 \}, \\ \{4, 20, 27 \}, \\ \{4, 30, 39 \}, \\ \{5, 8, 16 \}, \\ \{5, 10, 39 $	$ \begin{cases} 5, 13, 34 \}, \\ \{5, 14, 37 \}, \\ \{5, 15, 38 \}, \\ \{5, 17, 29 \}, \\ \{5, 19, 32 \}, \\ \{5, 20, 31 \}, \\ \{5, 21, 22 \}, \\ \{5, 23, 30 \}, \\ \{5, 24, 40 \}, \\ \{5, 25, 35 \}, \\ \{5, 26, 36 \}, \\ \{5, 28, 33 \}, \\ \{6, 7, 8 \}, \\ \{6, 9, 21 \}, \\ \{6, 11, 29 \}, \\ \{6, 12, 33 \}, \\ \{6, 12, 33 \}, \\ \{6, 14, 15 \}, \\ \{6, 12, 33 \}, \\ \{6, 14, 15 \}, \\ \{6, 16, 32 \}, \\ \{6, 17, 31 \}, \\ \{6, 20, 41 \}, \\ \{6, 22, 25 \}, \\ \{6, 23, 34 \}, \\ \{6, 24, 37 \}, \\ \{6, 26, 30 \}, \\ \{6, 36, 40 \}, \\ \{7, 10, 40 \}, \\ \{7, 12, 41 \}, \end{cases} $	$\{7, 13, 25\}, \\\{7, 14, 34\}, \\\{7, 16, 36\}, \\\{7, 18, 31\}, \\\{7, 20, 33\}, \\\{7, 22, 38\}, \\\{7, 23, 35\}, \\\{7, 26, 29\}, \\\{7, 27, 37\}, \\\{8, 11, 41\}, \\\{8, 12, 28\}, \\\{8, 13, 20\}, \\\{8, 14, 31\}, \\\{8, 15, 26\}, \\\{8, 14, 31\}, \\\{8, 15, 26\}, \\\{8, 27, 32\}, \\\{8, 23\}, \\\{8, 34, 39\}, \\\{8, 35, 38\}, \\\{8, 36, 37\}, \\\{9, 10, 11\}, \\\{9, 12, 16\}, \\\{9, 13, 32\}, \\\{9, 14, 20\}, \\\{9, 18, 22\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{9, 23, 41\}, \\\{1, 20\}, \\\{1, 20\}, \\\{1, 20\}, \\\{2, 23\}, \\\{2, 23\}, \\\{2, 23\}, \\\{3, 22\}, \\\{3, 22\}, \\\{3, 22\}, \\\{3, 22\}, \\\{3, 23, 41\}, \\\{3, 22\}, \\\{3, 23, 41\}, \\\{3, 22\}, \\\{3, 23, 41\}, \\\{3, 22\}, \\\{3, 23, 41\}, \\\{3, 22\}, \\\{3, 22\}, \\\{3, 23, 41\}, \\\{3, 22\}, \\\{3, 23, 41\}, \\\{3, 22\}, \\\{4, 22$	$ \begin{cases} 9, 25, 39 \}, \\ \{9, 26, 35 \}, \\ \{9, 29, 37 \}, \\ \{9, 30, 40 \}, \\ \{9, 31, 34 \}, \\ \{9, 33, 38 \}, \\ \{10, 13, 16 \}, \\ \{10, 14, 17 \}, \\ \{10, 15, 35 \}, \\ \{10, 14, 17 \}, \\ \{10, 19, 25 \}, \\ \{10, 20, 34 \}, \\ \{10, 21, 29 \}, \\ \{10, 22, 27 \}, \\ \{10, 22, 27 \}, \\ \{10, 23, 38 \}, \\ \{10, 23, 38 \}, \\ \{10, 23, 38 \}, \\ \{10, 33, 37 \}, \\ \{11, 12, 34 \}, \\ \{11, 16, 28 \}, \\ \{11, 17, 26 \}, \\ \{11, 20, 37 \}, \\ \{11, 22, 40 \}, \\ \{11, 25, 32 \}, \\ \{11, 27, 35 \}, \\ \{11, 30, 33 \}, \\ \{12, 13, 14 \}, \end{cases} $	$ \begin{cases} 12, 15, 25 \}, \\ \{12, 17, 21 \}, \\ \{12, 18, 35 \}, \\ \{12, 20, 39 \}, \\ \{12, 20, 39 \}, \\ \{12, 23, 29 \}, \\ \{12, 24, 31 \}, \\ \{12, 30, 37 \}, \\ \{13, 17, 35 \}, \\ \{13, 21, 38 \}, \\ \{13, 22, 30 \}, \\ \{13, 22, 30 \}, \\ \{13, 22, 30 \}, \\ \{13, 22, 30 \}, \\ \{13, 20, 37 \}, \\ \{14, 20, 33 \}, \\ \{14, 20, 33 \}, \\ \{14, 20, 33 \}, \\ \{14, 20, 33 \}, \\ \{14, 20, 35 \}, \\ \{15, 20, 28 \}, \\ \{15, 21, 32 \}, \\ \{15, 22, 36 \}, \\ \{15, 23, 27 \}, \\ \end{cases} $	$ \begin{cases} 15, 30, 41 \}, \\ \{15, 33, 34 \}, \\ \{15, 37, 40 \}, \\ \{16, 19, 31 \}, \\ \{16, 20, 26 \}, \\ \{16, 22, 41 \}, \\ \{16, 25, 33 \}, \\ \{16, 25, 33 \}, \\ \{16, 27, 34 \}, \\ \{16, 27, 34 \}, \\ \{16, 29, 39 \}, \\ \{17, 18, 19 \}, \\ \{17, 20, 23 \}, \\ \{17, 24, 33 \}, \\ \{17, 24, 33 \}, \\ \{17, 27, 40 \}, \\ \{17, 32, 39 \}, \\ \{17, 34, 38 \}, \\ \{18, 21, 40 \}, \\ \{18, 25, 28 \}, \\ \{18, 26, 34 \}, \\ \{18, 30, 38 \}, \\ \{18, 30, 38 \}, \\ \{18, 30, 38 \}, \\ \{18, 30, 38 \}, \\ \{18, 30, 38 \}, \\ \{19, 22, 35 \}, \\ \{19, 22, 35 \}, \\ \{19, 27, 33 \}, \\ \{19, 30, 34 \}, \\ \{20, 24, 35 \}, \\ \{20, 29, 38 \}, \end{cases} $	$ \{ 20, 32, 40 \}, \\ \{ 21, 24, 39 \}, \\ \{ 21, 26, 27 \}, \\ \{ 21, 31, 35 \}, \\ \{ 21, 34, 37 \}, \\ \{ 22, 23, 24 \}, \\ \{ 22, 26, 31 \}, \\ \{ 22, 28, 32 \}, \\ \{ 22, 29, 32 \}, \\ \{ 23, 32, 36 \}, \\ \{ 23, 39, 40 \}, \\ \{ 24, 25, 26 \}, \\ \{ 24, 30, 36 \}, \\ \{ 24, 30, 36 \}, \\ \{ 24, 30, 36 \}, \\ \{ 24, 30, 36 \}, \\ \{ 24, 30, 36 \}, \\ \{ 24, 30, 36 \}, \\ \{ 24, 30, 36 \}, \\ \{ 24, 30, 36 \}, \\ \{ 25, 29, 30 \}, \\ \{ 25, 29, 30 \}, \\ \{ 25, 31, 38 \}, \\ \{ 25, 29, 30 \}, \\ \{ 25, 31, 38 \}, \\ \{ 26, 32, 41 \}, \\ \{ 27, 28, 29 \}, \\ \{ 27, 38, 41 \}, \\ \{ 28, 31, 37 \}, \\ \{ 28, 36, 41 \}, \\ \{ 30, 31, 39 \}, \\ \{ 31, 32, 33 \}, \\ \{ 34, 35, 36 \}, \\ \{ 35, 40, 41 \}, \\ \{ 37, 38, 39 \} $
$\{ \begin{array}{l} 0, 1, 2 \}, \\ \{0, 3, 37 \}, \\ \{0, 4, 9 \}, \\ \{0, 5, 18 \}, \\ \{0, 6, 11 \}, \\ \{0, 7, 39 \}, \\ \{0, 8, 42 \}, \\ \{0, 10, 23 \}, \\ \{0, 12, 28 \}, \\ \{0, 12, 28 \}, \\ \{0, 12, 28 \}, \\ \{0, 12, 28 \}, \\ \{0, 10, 23 \}, \\ \{0, 12, 28 \}, \\ \{0, 10, 23 \}, \\ \{0, 10, 23 \}, \\ \{0, 10, 23 \}, \\ \{0, 10, 20, 38 \}, \\ \{0, 20, 38 \}, \\ \end{array} \}$	$\{ \begin{matrix} 0, 21, 43 \\ \{0, 22, 35 \\ \{0, 25, 32 \\ \{0, 26, 33 \\ \{0, 30, 34 \\ , \\ \{0, 31, 40 \\ , \\ \{1, 4, 10 \\ , \\ \{1, 5, 36 \\ , \\ \{1, 6, 25 \\ , \\ \{1, 6, 25 \\ , \\ \{1, 7, 22 \\ , \\ \{1, 8, 33 \\ , \\ \{1, 9, 26 \\ , \\ \{1, 11, 16 \\ , \\ \{1, 12, 31 \\ , \\ \{1, 13, 30 \\ , \end{matrix} \}, $	$ \begin{cases} 1, 14, 28 \}, \\ \{1, 15, 37 \}, \\ \{1, 17, 29 \}, \\ \{1, 18, 41 \}, \\ \{1, 19, 38 \}, \\ \{1, 20, 43 \}, \\ \{1, 21, 27 \}, \\ \{1, 23, 39 \}, \\ \{1, 24, 32 \}, \\ \{1, 34, 42 \}, \\ \{1, 35, 40 \}, \\ \{2, 3, 27 \}, \\ \{2, 5, 11 \}, \\ \{2, 6, 7 \}, \\ \{2, 8, 30 \}, \end{cases} $	$\begin{array}{l} \{2,9,41\},\\ \{2,10,13\},\\ \{2,12,16\},\\ \{2,14,25\},\\ \{2,15,20\},\\ \{2,17,38\},\\ \{2,19,36\},\\ \{2,21,28\},\\ \{2,22,37\},\\ \{2,23,34\},\\ \{2,24,40\},\\ \{2,26,29\},\\ \{2,31,39\},\\ \{2,32,42\},\\ \end{array}$	$\begin{array}{l} \{2, 35, 43\},\\ \{3, 4, 14\},\\ \{3, 6, 39\},\\ \{3, 7, 30\},\\ \{3, 8, 26\},\\ \{3, 9, 23\},\\ \{3, 10, 29\},\\ \{3, 10, 29\},\\ \{3, 11, 12\},\\ \{3, 13, 41\},\\ \{3, 15, 40\},\\ \{3, 16, 42\},\\ \{3, 17, 24\},\\ \{3, 18, 31\},\\ \{3, 19, 25\},\\ \{3, 21, 34\}, \end{array}$	$ \begin{cases} 3, 22, 28 \}, \\ \{3, 32, 43 \}, \\ \{3, 33, 36 \}, \\ \{4, 5, 6\}, \\ \{4, 7, 42 \}, \\ \{4, 8, 12 \}, \\ \{4, 11, 19 \}, \\ \{4, 13, 24 \}, \\ \{4, 16, 25 \}, \\ \{4, 17, 27 \}, \\ \{4, 18, 22 \}, \\ \{4, 20, 29 \}, \\ \{4, 21, 35 \}, \end{cases} $	$ \begin{array}{l} \{4,23,30\},\\ \{4,26,36\},\\ \{4,28,40\},\\ \{4,31,41\},\\ \{4,32,38\},\\ \{4,33,39\},\\ \{4,34,37\},\\ \{5,8,34\},\\ \{5,9,21\},\\ \{5,10,26\},\\ \{5,12,35\},\\ \{5,13,32\},\\ \{5,14,30\},\\ \{5,15,31\},\\ \{5,16,24\},\\ \end{array} $	$\{ \begin{array}{l} \{5,17,28\},\\ \{5,19,22\},\\ \{5,20,23\},\\ \{5,25,38\},\\ \{5,27,41\},\\ \{5,29,39\},\\ \{5,37,42\},\\ \{5,40,43\},\\ \{6,9,13\},\\ \{6,9,13\},\\ \{6,10,36\},\\ \{6,12,27\},\\ \{6,14,40\},\\ \{6,15,35\},\\ \{6,16,19\},\\ \{6,17,22\},\\ \end{array} \}$	$ \begin{cases} 6, 18, 23 \}, \\ \{6, 20, 41 \}, \\ \{6, 24, 30 \}, \\ \{6, 26, 32 \}, \\ \{6, 28, 37 \}, \\ \{6, 29, 43 \}, \\ \{6, 31, 34 \}, \\ \{6, 33, 38 \}, \end{cases} $

$ \begin{array}{l} \{7, 8, 9\}, \\ \{7, 10, 40\}, \\ \{7, 11, 17\}, \\ \{7, 12, 26\}, \\ \{7, 13, 21\}, \\ \{7, 14, 32\}, \\ \{7, 15, 19\}, \\ \{7, 16, 41\}, \\ \{7, 18, 38\}, \\ \{7, 20, 28\}, \\ \{7, 20, 28\}, \\ \{7, 23, 36\}, \\ \{7, 24, 31\}, \\ \{7, 25, 33\}, \\ \{7, 27, 37\}, \\ \{7, 29, 35\}, \\ \{7, 34, 43\}, \\ \{8, 11, 15\}, \\ \{8, 13, 39\}, \\ \{8, 14, 27\}, \\ \{8, 16, 21\}, \\ n = 46 \end{array} $	$ \{ \begin{split} & \{8, 17, 35\}, \\ & \{8, 18, 40\}, \\ & \{8, 19, 20\}, \\ & \{8, 22, 25\}, \\ & \{8, 23, 37\}, \\ & \{8, 24, 29\}, \\ & \{8, 28, 41\}, \\ & \{8, 31, 38\}, \\ & \{8, 32, 36\}, \\ & \{9, 10, 11\}, \\ & \{9, 12, 17\}, \\ & \{9, 12, 17\}, \\ & \{9, 12, 25\}, \\ & \{9, 16, 32\}, \\ & \{9, 19, 30\}, \\ & \{9, 20, 37\}, \\ & \{9, 27, 39\}, \\ & \{9, 29, 34\}, \\ & \{9, 29, 34\}, \\ \end{split} $	$\{ \begin{array}{l} \{9,33,40\},\\ \{9,35,42\},\\ \{10,14,19\},\\ \{10,15,18\},\\ \{10,16,35\},\\ \{10,21,24\},\\ \{10,22,41\},\\ \{10,22,41\},\\ \{10,22,41\},\\ \{10,25,30\},\\ \{10,27,34\},\\ \{10,28,32\},\\ \{10,33,43\},\\ \{10,38,42\},\\ \{11,14,35\},\\ \{11,18,34\},\\ \{11,20,32\},\\ \{11,21,33\},\\ \{11,22,31\},\\ \{11,23,40\},\\ \end{array} \}$	$ \begin{cases} 11, 24, 42 \}, \\ \{11, 25, 29 \}, \\ \{11, 26, 37 \}, \\ \{11, 27, 38 \}, \\ \{11, 28, 39 \}, \\ \{11, 30, 43 \}, \\ \{12, 13, 14 \}, \\ \{12, 13, 14 \}, \\ \{12, 15, 41 \}, \\ \{12, 18, 30 \}, \\ \{12, 19, 34 \}, \\ \{12, 20, 24 \}, \\ \{12, 21, 39 \}, \\ \{12, 22, 33 \}, \\ \{12, 22, 33 \}, \\ \{12, 25, 40 \}, \\ \{12, 29, 32 \}, \\ \{12, 37, 43 \}, \\ \{13, 16, 37 \}, \end{cases} $	$ \begin{cases} 13, 17, 42 \}, \\ \{13, 18, 36 \}, \\ \{13, 19, 35 \}, \\ \{13, 20, 31 \}, \\ \{13, 22, 23 \}, \\ \{13, 25, 28 \}, \\ \{13, 26, 40 \}, \\ \{13, 27, 43 \}, \\ \{13, 29, 33 \}, \\ \{13, 34, 38 \}, \\ \{14, 15, 16 \}, \\ \{14, 17, 33 \}, \\ \{14, 15, 16 \}, \\ \{14, 17, 33 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 29, 37 \}, \\ \{14, 38, 41 \}, \\ \{15, 21, 29 \}, \end{cases} $	$ \begin{cases} 15, 22, 34 \}, \\ \{15, 23, 42 \}, \\ \{15, 26, 38 \}, \\ \{15, 27, 32 \}, \\ \{15, 28, 33 \}, \\ \{15, 30, 39 \}, \\ \{16, 17, 39 \}, \\ \{16, 20, 40 \}, \\ \{16, 22, 29 \}, \\ \{16, 23, 33 \}, \\ \{16, 26, 31 \}, \\ \{16, 28, 34 \}, \\ \{16, 30, 36 \}, \\ \{16, 38, 43 \}, \\ \{17, 18, 19 \}, \\ \{17, 20, 26 \}, \\ \{17, 21, 30 \}, \\ \{17, 25, 36 \}, \\ \{17, 31, 43 \}, \end{cases} $	$ \begin{array}{l} \{17, 34, 40\}, \\ \{18, 24, 27\}, \\ \{18, 25, 43\}, \\ \{18, 26, 39\}, \\ \{18, 28, 35\}, \\ \{18, 29, 42\}, \\ \{19, 23, 26\}, \\ \{19, 24, 43\}, \\ \{19, 27, 40\}, \\ \{19, 31, 37\}, \\ \{19, 32, 39\}, \\ \{19, 33, 41\}, \\ \{20, 21, 36\}, \\ \{20, 27, 33\}, \\ \{20, 27, 33\}, \\ \{21, 25, 26\}, \\ \{21, 31, 32\}, \end{array} $	$ \begin{cases} 21, 37, 38 \}, \\ \{21, 40, 41 \}, \\ \{22, 26, 43 \}, \\ \{22, 27, 36 \}, \\ \{22, 30, 38 \}, \\ \{22, 30, 42 \}, \\ \{23, 24, 25 \}, \\ \{23, 24, 25 \}, \\ \{23, 27, 35 \}, \\ \{23, 28, 31 \}, \\ \{24, 32, 37 \}, \\ \{24, 33, 37 \}, \\ \{24, 34, 41 \}, \\ \{24, 35, 39 \}, \\ \{25, 31, 35 \}, \\ \{25, 31, 35 \}, \\ \{25, 37, 41 \}, \\ \{26, 27, 28 \}, \\ \{26, 30, 41 \}, \end{cases} $	$ \begin{array}{l} \{ 26, 34, 35 \}, \\ \{ 27, 31, 42 \}, \\ \{ 28, 29, 38 \}, \\ \{ 29, 30, 31 \}, \\ \{ 29, 36, 40 \}, \\ \{ 30, 33, 42 \}, \\ \{ 30, 37, 40 \}, \\ \{ 32, 33, 34 \}, \\ \{ 32, 35, 41 \}, \\ \{ 35, 36, 37 \}, \\ \{ 36, 39, 43 \}, \\ \{ 38, 39, 40 \}, \\ \{ 41, 42, 43 \}. \end{array} $
$\{ 0, 1, 2 \}, \\ \{0, 3, 33 \}, \\ \{0, 4, 44 \}, \\ \{0, 5, 27 \}, \\ \{0, 6, 7 \}, \\ \{0, 8, 16 \}, \\ \{0, 10, 19 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 12, 31 \}, \\ \{0, 22, 23 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 36 \}, \\ \{0, 22, 43 \}, \\ \{0, 22, 36 \}, \\ \{1, 4, 22 \}, \\ \{1, 10, 38 \}, \\ \{1, 11, 15 \}, \\ \{1, 12, 24 \}, \\ \{1, 26, 39 \}, \\ \{1, 26, 39 \}, \\ \{1, 26, 36 \}, \\ \{1, $	$ \begin{cases} 1, 28, 45 \}, \\ \{1, 29, 33 \}, \\ \{1, 31, 32 \}, \\ \{1, 34, 44 \}, \\ \{1, 35, 40 \}, \\ \{1, 36, 43 \}, \\ \{2, 3, 4 \}, \\ \{2, 5, 18 \}, \\ \{2, 6, 10 \}, \\ \{2, 7, 17 \}, \\ \{2, 8, 11 \}, \\ \{2, 9, 38 \}, \\ \{2, 12, 16 \}, \\ \{2, 13, 24 \}, \\ \{2, 14, 42 \}, \\ \{2, 14, 42 \}, \\ \{2, 14, 42 \}, \\ \{2, 20, 44 \}, \\ \{2, 30, 34 \}, \\ \{2, 30, 34 \}, \\ \{2, 30, 34 \}, \\ \{3, 10, 44 \}, \\ \{3, 11, 41 \}, \\ \{3, 12, 20 \}, \\ \{3, 16, 40 \}, \end{cases} $	$ \begin{cases} 3, 18, 23 \}, \\ \{3, 19, 38 \}, \\ \{3, 21, 32 \}, \\ \{3, 24, 31 \}, \\ \{3, 26, 36 \}, \\ \{3, 30, 43 \}, \\ \{3, 34, 42 \}, \\ \{3, 35, 39 \}, \\ \{4, 5, 6\}, \\ \{4, 7, 26 \}, \\ \{4, 7, 26 \}, \\ \{4, 7, 26 \}, \\ \{4, 7, 26 \}, \\ \{4, 7, 26 \}, \\ \{4, 10, 15 \}, \\ \{4, 10, 15 \}, \\ \{4, 10, 15 \}, \\ \{4, 12, 33 \}, \\ \{4, 12, 33 \}, \\ \{4, 12, 33 \}, \\ \{4, 13, 34 \}, \\ \{4, 13, 34 \}, \\ \{4, 16, 28 \}, \\ \{4, 17, 25 \}, \\ \{4, 19, 29 \}, \\ \{4, 20, 45 \}, \\ \{4, 21, 27 \}, \\ \{4, 24, 37 \}, \\ \{4, 30, 39 \}, \\ \{4, 31, 36 \}, \\ \{4, 32, 42 \}, \\ \{4, 35, 43 \}, \\ \{5, 9, 13 \}, \\ \{5, 10, 11 \}, \\ \{5, 12, 26 \}, \\ \{5, 14, 45 \}, \\ \{5, 16, 29 \}, \\ \{5, 20, 39 \}, \\ \{5, 20, 39 \}, \end{cases} $	$ \begin{cases} 5, 21, 44 \}, \\ \{5, 22, 36 \}, \\ \{5, 23, 38 \}, \\ \{5, 25, 33 \}, \\ \{5, 28, 41 \}, \\ \{5, 31, 37 \}, \\ \{5, 34, 40 \}, \\ \{5, 35, 42 \}, \\ \{6, 9, 32 \}, \\ \{6, 11, 28 \}, \\ \{6, 12, 41 \}, \\ \{6, 13, 36 \}, \\ \{6, 12, 41 \}, \\ \{6, 15, 29 \}, \\ \{6, 16, 20 \}, \\ \{6, 16, 20 \}, \\ \{6, 16, 20 \}, \\ \{6, 16, 20 \}, \\ \{6, 18, 33 \}, \\ \{6, 19, 39 \}, \\ \{6, 21, 40 \}, \\ \{6, 22, 34 \}, \\ \{6, 22, 34 \}, \\ \{6, 22, 34 \}, \\ \{6, 22, 34 \}, \\ \{6, 22, 34 \}, \\ \{6, 22, 34 \}, \\ \{6, 22, 34 \}, \\ \{6, 22, 34 \}, \\ \{6, 20, 31 \}, \\ \{6, 20, 31 \}, \\ \{6, 30, 42 \}, \\ \{6, 30, 42 \}, \\ \{6, 30, 42 \}, \\ \{6, 30, 42 \}, \\ \{7, 10, 42 \}, \\ \{7, 10, 42 \}, \\ \{7, 10, 42 \}, \\ \{7, 11, 16 \}, \\ \{7, 12, 27 \}, \\ \{7, 12, 38 \}, \\ \{7, 22, 43 \}, \\ \{7, 24, 34 \}, \\ \{7, 25, 44 \}, \\ \{7, 25, 44 \}, \end{cases} $	$ \begin{cases} 7, 29, 41 \}, \\ \{7, 30, 36 \}, \\ \{7, 31, 39 \}, \\ \{7, 32, 40 \}, \\ \{8, 9, 10 \}, \\ \{8, 9, 10 \}, \\ \{8, 12, 15 \}, \\ \{8, 13, 28 \}, \\ \{8, 14, 22 \}, \\ \{8, 17, 40 \}, \\ \{8, 21, 33 \}, \\ \{8, 23, 41 \}, \\ \{8, 24, 30 \}, \\ \{8, 24, 30 \}, \\ \{8, 26, 42 \}, \\ \{8, 27, 31 \}, \\ \{8, 29, 37 \}, \\ \{8, 32, 36 \}, \\ \{8, 34, 39 \}, \\ \{8, 35, 44 \}, \\ \{8, 38, 45 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 33 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 33 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 33 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 33 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 33 \}, \\ \{9, 12, 19 \}, \\ \{9, 12, 33 \}, \\ \{9, 12, 19 \}, \\ \{9, 14, 33 \}, \\ \{9, 10, 37 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 22, 31 \}, \\ \{9, 23, 29 \}, \\ \{9, 24, 39 \}, \\ \{9, 24, 39 \}, \\ \{9, 24, 39 \}, \\ \{9, 34, 35 \}, \\ \{10, 13, 26 \}, \\ \{10, 14, 43 \}, \\ \{10, 16, 33 \}, \\ \{10, 17, 28 \}, \end{cases} $	$ \begin{cases} 10, 18, 24 \}, \\ \{10, 20, 23 \}, \\ \{10, 21, 36 \}, \\ \{10, 22, 37 \}, \\ \{10, 25, 31 \}, \\ \{10, 25, 31 \}, \\ \{10, 29, 34 \}, \\ \{10, 30, 41 \}, \\ \{10, 30, 41 \}, \\ \{10, 30, 41 \}, \\ \{10, 40, 45 \}, \\ \{11, 12, 13 \}, \\ \{11, 12, 13 \}, \\ \{11, 14, 29 \}, \\ \{11, 17, 22 \}, \\ \{11, 18, 21 \}, \\ \{11, 19, 26 \}, \\ \{11, 20, 31 \}, \\ \{11, 20, 31 \}, \\ \{11, 20, 31 \}, \\ \{11, 20, 31 \}, \\ \{11, 24, 36 \}, \\ \{11, 25, 30 \}, \\ \{11, 25, 30 \}, \\ \{11, 33, 38 \}, \\ \{11, 33, 38 \}, \\ \{11, 34, 37 \}, \\ \{11, 39, 43 \}, \\ \{11, 40, 44 \}, \\ \{12, 17, 44 \}, \\ \{12, 17, 44 \}, \\ \{12, 21, 30 \}, \\ \{12, 22, 39 \}, \\ \{12, 22, 39 \}, \\ \{12, 22, 32 \}, \\ \{12, 29, 38 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{12, 40 \}, \\ \{13, 14, 23 \}, \\ \{13, 16, 22 \}, \\ \{13, 18, 32 \}, \end{cases} $	$ \begin{cases} 13, 19, 40 \}, \\ \{13, 20, 35 \}, \\ \{13, 21, 45 \}, \\ \{13, 25, 29 \}, \\ \{13, 27, 43 \}, \\ \{13, 30, 38 \}, \\ \{13, 31, 42 \}, \\ \{14, 13, 10, 42 \}, \\ \{14, 15, 10 \}, \\ \{14, 12, 37 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{14, 20, 34 \}, \\ \{15, 20, 25 \}, \\ \{15, 21, 34 \}, \\ \{15, 20, 25 \}, \\ \{15, 21, 34 \}, \\ \{15, 27, 30 \}, \\ \{15, 38, 43 \}, \\ \{15, 39, 45 \}, \\ \{16, 17, 18 \}, \\ \{16, 21, 37 \}, \\ \{16, 23, 34 \}, \\ \{16, 25, 35 \}, \\ \{16, 26, 27 \}, \\ \{16, 30, 45 \}, \end{cases} $	$ \begin{cases} 16, 31, 43 \}, \\ \{16, 32, 44 \}, \\ \{16, 36, 41 \}, \\ \{17, 21, 39 \}, \\ \{17, 23, 30 \}, \\ \{17, 23, 30 \}, \\ \{17, 26, 34 \}, \\ \{17, 27, 38 \}, \\ \{17, 32, 43 \}, \\ \{17, 32, 43 \}, \\ \{17, 33, 37 \}, \\ \{17, 35, 41 \}, \\ \{18, 22, 27 \}, \\ \{18, 25, 39 \}, \\ \{18, 26, 41 \}, \\ \{18, 20, 41 \}, \\ \{18, 20, 41 \}, \\ \{18, 30, 44 \}, \\ \{18, 30, 44 \}, \\ \{18, 30, 44 \}, \\ \{18, 30, 44 \}, \\ \{18, 30, 44 \}, \\ \{18, 30, 44 \}, \\ \{18, 30, 44 \}, \\ \{19, 22, 24 \}, \\ \{19, 22, 44 \}, \\ \{19, 22, 34 \}, \\ \{19, 25, 34 \}, \\ \{19, 20, 21 \}, \\ \{19, 22, 44 \}, \\ \{19, 22, 34 \}, \\ \{19, 20, 21 \}, \\ \{19, 22, 44 \}, \\ \{19, 22, 34 \}, \\ \{19, 20, 33 \}, \\ \{19, 41, 45 \}, \\ \{20, 26, 29 \}, \\ \{20, 33, 42 \}, \\ \{20, 36, 40 \}, \\ \{21, 22, 42 \}, \\ \{21, 22, 42 \}, \\ \{21, 29, 43 \}, \end{cases} $	$ \begin{cases} 21, 31, 35 \}, \\ \{22, 25, 38 \}, \\ \{22, 26, 33 \}, \\ \{22, 29, 32 \}, \\ \{22, 30, 35 \}, \\ \{22, 40, 41 \}, \\ \{23, 24, 32 \}, \\ \{23, 26, 44 \}, \\ \{23, 37, 43 \}, \\ \{23, 39, 42 \}, \\ \{24, 25, 26 \}, \\ \{24, 27, 42 \}, \\ \{24, 25, 26 \}, \\ \{24, 27, 42 \}, \\ \{24, 25, 26 \}, \\ \{24, 27, 42 \}, \\ \{24, 25, 26 \}, \\ \{24, 27, 42 \}, \\ \{24, 25, 26 \}, \\ \{24, 27, 42 \}, \\ \{24, 28, 33 \}, \\ \{26, 37, 40 \}, \\ \{27, 38, 39, 42 \}, \\ \{27, 33, 36 \}, \\ \{27, 34, 45 \}, \\ \{27, 37, 41 \}, \\ \{28, 31, 34 \}, \\ \{28, 32, 39 \}, \\ \{29, 30, 31 \}, \\ \{29, 30, 31 \}, \\ \{29, 30, 31 \}, \\ \{29, 30, 31 \}, \\ \{33, 39, 44 \}, \\ \{33, 40, 43 \}, \\ \{33, 40, 43 \}, \\ \{33, 40, 43 \}, \\ \{33, 39, 44 \}, \\ \{33, 39, 40 \}, \\ \{41, 42, 43 \}, \\ \{43, 44, 45 \}. \end{cases} $
$\begin{array}{l} n=48\\ \{0,1,2\},\\ \{0,3,7\},\\ \{0,4,12\},\\ \{0,5,46\},\\ \{0,6,22\},\\ \{0,8,31\},\\ \{0,9,20\},\\ \{0,10,33\},\\ \{0,11,37\}, \end{array}$	$ \{ \begin{matrix} 0,13,23 \\ 0,14,34 \\ 0,15,27 \\ , \\ 0,16,47 \\ , \\ 0,17,45 \\ , \\ 0,18,25 \\ , \\ 0,19,42 \\ , \\ 0,24,39 \\ , \\ 0,26,44 \\ , \end{matrix} \}, $	$\{ \begin{matrix} 0,28,40 \\ \{0,29,38 \\ , \\ \{0,30,36 \\ , \\ \{0,35,43 \\ , \\ \{1,4,13 \\ , \\ \{1,5,11 \\ , \\ \{1,6,9 \\ , \\ \{1,7,19 \\ , \end{matrix} , \end{matrix}$	$ \begin{cases} 1,8,17\},\\ \{1,10,29\},\\ \{1,12,26\},\\ \{1,14,43\},\\ \{1,15,47\},\\ \{1,16,33\},\\ \{1,18,23\},\\ \{1,20,38\},\\ \{1,21,32\}, \end{cases} $	$ \begin{array}{l} \{1,22,30\},\\ \{1,24,41\},\\ \{1,25,31\},\\ \{1,27,44\},\\ \{1,28,39\},\\ \{1,34,45\},\\ \{1,35,46\},\\ \{1,36,42\},\\ \{1,37,40\}, \end{array}$	$ \{ 2, 3, 23 \}, \\ \{ 2, 5, 38 \}, \\ \{ 2, 6, 36 \}, \\ \{ 2, 7, 47 \}, \\ \{ 2, 8, 35 \}, \\ \{ 2, 9, 26 \}, \\ \{ 2, 10, 14 \}, \\ \{ 2, 11, 21 \}, \\ \{ 2, 12, 46 \}, $	$ \{ \begin{array}{l} 2,13,16 \}, \\ \{2,15,39 \}, \\ \{2,17,25 \}, \\ \{2,18,28 \}, \\ \{2,19,44 \}, \\ \{2,20,31 \}, \\ \{2,22,42 \}, \\ \{2,24,33 \}, \\ \{2,27,37 \}, \end{array} $	$\begin{array}{l} \{2,29,34\},\\ \{2,30,41\},\\ \{2,32,43\},\\ \{2,40,45\},\\ \{3,4,5\},\\ \{3,6,11\},\\ \{3,8,15\},\\ \{3,9,35\},\\ \{3,10,25\}, \end{array}$	$\begin{array}{l} \{3,12,42\},\\ \{3,13,37\},\\ \{3,14,18\},\\ \{3,16,32\},\\ \{3,17,33\},\\ \{3,19,31\}, \end{array}$

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