1th Boundary Map's kernel is spanned by

$$\begin{pmatrix} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{pmatrix}$$

2th Boundary Map's kernel is spanned by

$\left(\begin{array}{c} 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\$	$\left(\begin{array}{c} 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\$	$\left(\begin{array}{c} 0 \\ 0 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0$	$\left(\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\$	$\left(\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\$	$\left(\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1$	1 1 1 1 0 0 1 1	0 0 0 0 1 1 1 1 1
$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$	1 1	0	1	0 0	1	1 1	1 1

3th Boundary Map's kernel is spanned by

$ \left(\begin{array}{c} 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \end{array}\right) $		0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \		$\begin{pmatrix} 0 \\ 0 \\ 1 \\ 1 \\ 0 \\ 0 \end{pmatrix}$		$\begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \end{pmatrix}$		$\begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{pmatrix}$		$\begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{pmatrix}$		$\begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{pmatrix}$		$\begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{pmatrix}$		$\begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{pmatrix}$			
0		0		0		0		0		1		0		0		0		0	
0	H	0		0		1		1		1		0		0		0		0	
0	H	0		0		0		0		0		1		0		0		0	
0	H	0		0		0		0		0		0		1		0		0	
1	H	1		0		0		0		0		1		0		0		0	
1	H	1		0		0		0		0		0		1		0		0	
0	H	0		0		0		0		0		0		0		1		0	
0	H	1		1		0		1		1		1		1		1		0	
0		0		0		1		1		0		0		0		1		0	
0	H	1		1		1		0		1		1		1		1		0	
0	H	0		0		0		0		0		0		0		0		1	
0	H	0		0		0		0		0		0		0		0		0	
0	H	0		0		0		0		0		0		0		0		0	
0		1	١.	1	١.	0		1		1		0		0		0		1	١.
0	,	0	,	0	,	0	,	0	,	0	,	0	,	0	,	0	,	0	,
0	H	0		0		0		0		0		0		0		0		1	
0	H	0		0		0		0		0		0		0		0		0	
0	H	1		1		0		1		1		0		0		0		1	
0		0	l	0	l	0		0		0		0		0		0		0	
1	H	1		0		1		1		0		1		0		1		0	
0	H	0		0		0		0		0		0		0		0		0	
0	H	1		1		0		1		1		1		0		1		1	
1	H	1		1		1		1		1		1		0		1		1	
0	H	0		1		0		0		1		0		0		0		0	
1	H	1		1		1		1		1		1		0		1		1	
1	H	0		0		1		0		0		0		0		0		1	
0	H	0		0		0		0		0		0		0		0		0	
0	ll	0		0		1		1		0		0		1		1		0	
1		0		0		1		1		1		0		1		1		1	
0		0		1		1		0		0		0		0		0		1	
0		0		0		0		0		0		0		0		0		0	
1		0		1		0		1		1		0		1		1		1	
1		0	1	0		1		1		1		0		1		1		1	
$\setminus 1$	'\	0 /	'	\	'	\ o /	'	\	'	$\setminus 1$		\		(o /	'	(o /	1	(o)	/

(0)		(0)		/ n \		(0)		/ n \		/ n \		(0)
$\begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$	1	$\begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$				$\begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$		$\begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$		$\begin{pmatrix} 0 \\ 0 \end{pmatrix}$		[o]
				0				0		0		
		0		0		0		0		0		
	l	0		0		0		0		0		
		0		0		0		0		0		
				0				0		0		
		0 0		0		0 0		0		0 0 0		
		0		0		0		0		0		
		0		0		0		0		0		
		0		0		0		0		0		
		0		0		0		0		0		
				0				0		0		
0		0		0		0		0		0		
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0		0		0		0		0		
$\begin{bmatrix} 0 \end{bmatrix}$		0		0		0		0		0		
$\begin{bmatrix} 0 \end{bmatrix}$		0		0		0		0		0		
1		0		0		0		0		0		0
0		1		0		0		0		0		0
1		1 1 0		0		0 0 0		0		0 0 0		0
0	,	0	,	1	,	0	,	0	,	0	,	0
1		0		1		0		0		0		0
0		0		0		1		0		0		0
1	İ	0		0		1		0		0		0
1 0 1 0 1 0		0		0		0		1		0		0
1		0		0		0 1 0		1		0		0
0		0		0		0		0		1		0
1		1		1		0		0		1		0
1		0		0		0		0		1		0
0		1 0		1		0		0		1		0
1 1 0 1 0 0		0		0				1		0		0
0		0		0		0 1 0		1		0		0
0		0		0		0		0		0		1
1		1		0		0		0		0		1
1		0		0		0		0		0		1
0		1 0		0		0		0		0		1
0		0		0		0		1		1		1
1		0 0		1		0 1 0		1		1		1
$\begin{bmatrix} 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 0 \end{bmatrix}$		0				0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		$\begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix}$		$\left(\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $
(0)	'	(0)	'	1/		1 /		1/	,	1/		1 /

$ \left[\begin{array}{c c c c c c c c c c c c c c c c c c c $
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$\begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix}$		$\begin{bmatrix} 0 \\ 0 \\ 1 \end{bmatrix}$		1 0 1		0 0 1		0 0 1		0 0 0		1 0 1		1 0 1		0 0 0		0	

/ 0 \		/ 0 \	١	/ 0 \		/ 0 \		/ 0 \
$\left(\begin{array}{c} 0 \\ 0 \end{array}\right)$		0		0		$\begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix}$		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0 0 0 0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		0		0		0		
0		0		0		0		0
0		0		0		0		0
0		0		0		0		0
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0		0		0		0		0
0		0		0		0		0
0	,	0	,	0	,	0	,	0
0		0 0 0 0 0 0 0		0		0		0 0 0 0 0
1		0		0		0		0
1 1		0		0		0		0
1		0		0 0 0 0		0		0
1		0		0		0		0
0		0		0		0		0
0		0		0		0		0
0		1		0 1		0		0
0		0		1		0		0
0		0 1 0 0 1		0 1 0 1		0		0 0 0 0
0 0		0		1		0 1		0
0		0		0		1		0
0				1		1		0
0		0		0		1		0
0		1		0 1 0		1		0
0		0		0		0		1
1		1		0		1		1
0		0 1 1 0		0 0 0		0 1 1 0		1
1		0		0				1
1		0 1		0		0		1
0		1		0		1		1 1 1 1 1
$ \begin{array}{cccc} 1 & & \\ 0 & & \\ 1 & & \\ 0 & & \\ 1 & & \\ 0 & & \\ \end{array} $		1		$\begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \end{pmatrix}$		$\begin{bmatrix} 0\\1\\1\\0 \end{bmatrix}$		1
(0)		(0)	'	(0)	,	(0)		1 /

5th Boundary Map's kernel is spanned by

(1)		(0)		(0)		(0)		(0)		(0)		(0)		(0)		(0)		(0)	
0		1	1	0	1	0	1	0		0		0	١	0		0		0	١
0		0		1		0		0		0		0		0		0		0	
0		0		0		1		0		0		0		0		0		0	
0		0		0		0		1		0		0		0		0		0	
0		0	l	0		0		0		1		0		0		0		0	
0		0		0		0		0		0		1		0		0		0	
1		1		1		1		1		1		1		0		0		0	
0		0		0		0	l	0		0		0		1		0		0	
0		0		0		0		0		0		0		0		1		0	
0		0		0		0		0		0		0		0		0		1	
0		0		0		0		0		0		0		0		0		0	
0		0		0		0	l	0		0		0		0		0		0	
0		0		0		0	l	0		0		0		0		0		0	
1		0		1		0	l	1		0		1		0		1		1	
1		0	l	1		0	İ	1		0		1	İ	1		0	İ	0	
0		0	l	0		0	l	0		0		0		0		0		0	
0		0	l	0		0	l	0		0		0		0		0		0	
0		0	l	0		0	l	0		0		0		0		0		0	
1		0	l	0		1	l	0		1		1		0		0		1	
1	,	0	,	1	,	0	,	0	,	0	,	0	,	1	,	0	,	0	,
0		1	l	0		1	l	0		0		0		0		1		1	
1		0	l	1		0	l	0		0		0		0		1		1	
1		1	l	0		0	l	0		1		1		1		0		1	
0		0	l	0		0		0		0		0		0	ŀ	0		0	
0		0		0		0		0		0		0		0		0		0	
0		0		0		0		0		0		0		0		0		0	
0		0		0		0		0		0		0		0		0		0	
0		0		0		0		0		0		0		0		0		0	
0		0		0		0	l	0		0		0		0		0		0	
1		0		0		1		0		1		1		0		0		1	
1		0		0		1		0		1		1		0		0		1	
0		0		0		0		0		0		0		0		0		0	
0		0		0		0		0		0		0		0		0		0	
1		0		0		1		0		1		1		0		0		1	
1		0		0		1		0		1		1		0		0		1	
0		0		0		0		0		1		1		0		0		0	
1		1		1		1		0		1		1		0		0		0	
1		1		1		1		0		1		1		1		1		1	
$\setminus 0$		(o /	'	(o /	•	(0 /	'	\	'	$\setminus 1$		$\setminus 1$	'	$\setminus 1$	'	$\setminus 1$	'	$\setminus 1$!

(0 \		(0)		(0)		(0)		(0)		(0)		(0 \		(0)		(0 \		(0 \	١
0	١	0	١	0	١	0		0		0		0		0		0		0	1
0	l	0	l	0		0		0	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	0		0		0		0	l	0	
0	l	0	l	0		0		0	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	0		0		0		0		0	
1	l	0	l	0		0		0	l	0		0		0		0		0	
0	l	1	l	0		0		0	l	0		0		0		0		0	
0		0	l	1		0		0	l	0		0		0		0		0	
0		0	l	1		0		0	l	0		0		0		0		0	
1	l	1	l	0		0		0	l	0		0		0		0		0	
0	l	0	l	0		1		0	l	0		0		0		0		0	
0		0	l	0		0		1	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	1		0		0		0		0	
1	l	1	l	1		1		1	l	1		0		0		0		0	
1	,	0	,	0	,	1	,	0	,	0	,	0	,	0	,	0	,	0	,
0	l	0	l	0		0		1	l	0		0		0		0		0	
0	l	0	l	0		0		0	l	1		0		0		0		0	
0	İ	1	l	1	İ	1	l	1	İ	1		0	İ	0		0	İ	0	l
0	l	0	l	0		0		0	l	0		1		0		0		0	
0	l	0	l	0		0		0	l	0		0		1		0		0	
0	l	0	l	0		0		0	l	0		0		0		1		0	
0	l	0	l	0		0		0	l	0		0		0		0		1	
0		0	l	0		0		0	1	0		0		0		0		0	
0		0		0		0		0	l	0		0		0		0		0	
1		1		1		0		0	l	0		1		0		1		0	
1		1		1		0		0	l	0		0		1		0		1	
0	l	0	l	0	l	0		0	ł	0		0	1	0		0	l	0	l
0	l	0	l	0		0		0	l	0		0	l	0		0		0	
1		1		1		1		1		0		0		0		1		0	
1		1		1		1		1		0		0		0		0		1	
0		1		1		1		1		0		1		0		1		0	
0		1		1		1		1		0		0		1		0		1	
1		1		1		0		0		0		1		0		0		0	
$\setminus 1$	1	$\setminus 1$	1	$\backslash 1$	1	\		\		\ o /		\ o /		$\setminus 1$	1	(0 /		(0 /	/

(0)	(0)		$\begin{pmatrix} 0 \end{pmatrix}$		(0)
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	, 0	,	0	,	0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0		0
0	0		0 0		0
0	0		0		0
0	0		0		0
1	0		0		0
0	1		0		0
1	0		0		0
0	1		0		0
0	0		1		0
0	0		0		1
1	0		1		0
0	1		0		$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$
0	0 0		1 0		0
0			0		$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$
$\left(\begin{array}{c}1\\0\end{array}\right)$	$\left(\begin{array}{c}0\\1\end{array}\right)$		$\begin{pmatrix} 1 \\ 0 \end{pmatrix}$		$\left(\begin{array}{c} 0 \\ 1 \end{array}\right)$
(0 /	(1 /		(0 /		(1 /

6th Boundary Map's kernel is spanned by

$ \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \begin{bmatrix}$	0 0 0 0	,	0 0 0 0 0	,	0 0 1 1	,	0 0 1 1	,	0 0 0 0	,	0 0 0 0	,	0 0 0 0	,	0 0 1 0	,	0 0 0 1	,	0 0 1 0	, , ,
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