

$L_3(4).3 \pmod{2}$

	blocks	defect	matrix
$G :$	1	6	19×15
	2	0	$64_1 = \chi_{10,0}, \varphi_{6,0}$
	3	0	$64_2 = \chi_{10,1}, \varphi_{6,1}$
	$4 = \bar{3}$	0	$64_3 = \chi_{10,2}, \varphi_{6,2}$
$3.G :$	5 $6 = 5^*$	6	19×15

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{2,2}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{3,2}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{4,2}$	$\varphi_{5,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$20_1 = \chi_{2,0}$	.	1	1	.	.	.	.	.	.	1	.	.	1
$20_2 = \chi_{2,1}$	1	.	1	.	.	.	.	.	.	.	1	.	.
$20_3 = \chi_{2,2}$	1	1	.	.	.	.	.	.	.	.	.	1	.
$105_1 = \chi_{3+}$	1	1	1	1	1	1	1	1	1	1	1	1	1
$45_1 = \chi_{6,0}$	2	.	.	.	.	1	.	1	.	.	1	1	1
$45_2 = \chi_{6,1}$	.	2	.	1	.	.	.	.	1	1	.	1	.
$45_3 = \chi_{6,2}$	.	.	2	.	1	.	1	.	.	1	1	.	.
$45_4 = \chi_{7,0}$	2	.	.	.	1	.	.	.	1	1	.	.	.
$45_5 = \chi_{7,1}$	.	2	.	.	.	1	1	.	.	.	1	.	1
$45_6 = \chi_{7,2}$	.	.	2	1	.	.	.	1	.	.	.	1	1
$63_1 = \chi_{8,0}$	1	1	1	.	1	1	1	.	.	1	1	.	1
$63_2 = \chi_{8,1}$	1	1	1	1	.	1	.	1	.	.	1	1	1
$63_3 = \chi_{8,2}$	1	1	1	1	1	.	.	.	1	1	.	1	.
$63_4 = \chi_{9,0}$	1	1	1	1	.	.	.	1	1	1	.	1	1
$63_5 = \chi_{9,1}$	1	1	1	.	1	.	1	.	1	1	1	.	.
$63_6 = \chi_{9,2}$	1	1	1	.	.	1	1	1	.	.	1	1	1

(Block 1:)	$\varphi_{5,1}$	$\varphi_{5,2}$		
$1_1 = \chi_{1,0}$	.	.		
$1_2 = \chi_{1,1}$	.	.	$\varphi_{1,0} =$	1_1
$1_3 = \chi_{1,2}$	.	.	$\varphi_{1,1} =$	1_2
$20_1 = \chi_{2,0}$	.	.	$\varphi_{1,2} =$	1_3
$20_2 = \chi_{2,1}$	1	.	$\varphi_{2,0} =$	8_1
$20_3 = \chi_{2,2}$	.	1	$\varphi_{2,1} =$	8_2
$105_1 = \chi_{3+}$	1	1	$\varphi_{2,2} =$	8_3
$45_1 = \chi_{6,0}$	.	.	$\varphi_{3,0} =$	8_4
$45_2 = \chi_{6,1}$	1	.	$\varphi_{3,1} =$	8_5
$45_3 = \chi_{6,2}$	.	1	$\varphi_{3,2} =$	8_6
$45_4 = \chi_{7,0}$	1	1	$\varphi_{4,0} =$	9_1
$45_5 = \chi_{7,1}$	.	1	$\varphi_{4,1} =$	9_2
$45_6 = \chi_{7,2}$	1	.	$\varphi_{4,2} =$	9_3
$63_1 = \chi_{8,0}$	.	1	$\varphi_{5,0} =$	9_4
$63_2 = \chi_{8,1}$	1	.	$\varphi_{5,1} =$	9_5
$63_3 = \chi_{8,2}$	1	1	$\varphi_{5,2} =$	9_6
$63_4 = \chi_{9,0}$	1	.		
$63_5 = \chi_{9,1}$	1	1		
$63_6 = \chi_{9,2}$	.	1		

Blocks 5, 6:	$\varphi_{7,0}$	$\varphi_{7,1}$	$\varphi_{7,2}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{8,2}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{9,2}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{10,2}$	$\varphi_{11,0}$
$45_7 = \chi_{32+}$	1	1	1	1	1	1	1	1	1	.	.	.	.
$21_1 = \chi_{35,0}$	1	1	.	1	1	.	.	.	1	.	.	.	.
$21_2 = \chi_{35,1}$	.	1	1	.	1	1	1	.	.	.	.	.	.
$21_3 = \chi_{35,2}$	1	.	1	1	.	1	.	1	.	.	.	.	.
$45_9 = \chi_{36,0}$	.	1	1	.	2	.	1	.	.	1	.	.	.
$45_{10} = \chi_{36,1}$	1	.	1	.	.	2	.	1	.	.	1	.	.
$45_{11} = \chi_{36,2}$	1	1	.	2	.	.	.	.	1	.	.	1	.
$45_{15} = \chi_{37,0}$	.	2	.	.	1	1	1	.	.	.	.	.	1
$45_{16} = \chi_{37,1}$	.	.	2	1	.	1	.	1	.	.	.	.	.
$45_{17} = \chi_{37,2}$	2	.	.	1	1	.	.	.	1	.	.	.	.
$63_7 = \chi_{38,0}$	1	2	1	.	1	2	1	1	.	.	.	.	1
$63_8 = \chi_{38,1}$	1	1	2	2	.	1	.	1	1	.	.	.	.
$63_9 = \chi_{38,2}$	2	1	1	1	2	.	1	.	1	.	.	.	.
$63_{13} = \chi_{39,0}$	.	1	2	1	2	1	1	1	.	1	.	.	.
$63_{14} = \chi_{39,1}$	2	.	1	1	1	2	.	1	1	.	1	.	.
$63_{15} = \chi_{39,2}$	1	2	.	2	1	1	1	.	1	.	.	1	.
$84_1 = \chi_{40,0}$	.	2	1	.	2	1	1	1	.	1	.	.	1
$84_2 = \chi_{40,1}$	1	.	2	1	.	2	.	1	1	.	1	.	.
$84_3 = \chi_{40,2}$	2	1	.	2	1	.	1	.	1	.	.	1	.

(Blocks 5, 6:)	$\varphi_{11,1}$	$\varphi_{11,2}$		
$45_7 = \chi_{32+}$	.	.		
$21_1 = \chi_{35,0}$	.	.	$\varphi_{7,0} =$	3_1
$21_2 = \chi_{35,1}$	.	.	$\varphi_{7,1} =$	3_2
$21_3 = \chi_{35,2}$	.	.	$\varphi_{7,2} =$	3_3
$45_9 = \chi_{36,0}$	.	.	$\varphi_{8,0} =$	3_7
$45_{10} = \chi_{36,1}$	.	.	$\varphi_{8,1} =$	3_8
$45_{11} = \chi_{36,2}$	.	.	$\varphi_{8,2} =$	3_9
$45_{15} = \chi_{37,0}$	.	.	$\varphi_{9,0} =$	9_7
$45_{16} = \chi_{37,1}$	1	.	$\varphi_{9,1} =$	9_8
$45_{17} = \chi_{37,2}$	.	1	$\varphi_{9,2} =$	9_9
$63_7 = \chi_{38,0}$	.	.	$\varphi_{10,0} =$	24_1
$63_8 = \chi_{38,1}$	1	.	$\varphi_{10,1} =$	24_2
$63_9 = \chi_{38,2}$	.	1	$\varphi_{10,2} =$	24_3
$63_{13} = \chi_{39,0}$	.	.	$\varphi_{11,0} =$	24_7
$63_{14} = \chi_{39,1}$	.	.	$\varphi_{11,1} =$	24_8
$63_{15} = \chi_{39,2}$	.	.	$\varphi_{11,2} =$	24_9
$84_1 = \chi_{40,0}$	.	.		
$84_2 = \chi_{40,1}$	1	.		
$84_3 = \chi_{40,2}$	.	1		