

$L_3(4).6 \pmod{2}$

	blocks	defect	matrix
$G :$	1 2 3 $4 = \bar{3}$	7 1 1 1	20×9 2×1 2×1 2×1
$3.G :$	5 $6 = 5^*$	7	20×9

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{2,0+}$	$\varphi_{2,1+}$	$\varphi_{2,2+}$	$\varphi_{4,0+}$	$\varphi_{4,1+}$	$\varphi_{4,2+}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	.	.	.
$1_4 = \chi_{1,3}$	1	.	.	.	.	.	.	.	.
$1_5 = \chi_{1,4}$	.	1	.	.	.	.	.	.	.
$1_6 = \chi_{1,5}$	.	.	1	.	.	.	.	.	.
$20_1 = \chi_{2,0}$	.	1	1	.	.	.	1	.	.
$20_2 = \chi_{2,1}$	1	.	1	.	.	.	.	1	.
$20_3 = \chi_{2,2}$	1	1	.	.	.	.	.	.	1
$20_4 = \chi_{2,3}$	.	1	1	.	.	.	1	.	.
$20_5 = \chi_{2,4}$	1	.	1	.	.	.	.	1	.
$20_6 = \chi_{2,5}$	1	1	.	.	.	.	.	.	1
$105_1 = \chi_{3,0+}$	1	1	1	1	1	1	1	1	1
$105_2 = \chi_{3,1+}$	1	1	1	1	1	1	1	1	1
$90_1 = \chi_{6,0+}$	4	.	.	.	1	1	1	1	1
$90_2 = \chi_{6,1+}$	.	4	.	1	.	1	1	1	1
$90_3 = \chi_{6,2+}$	.	.	4	1	1	.	1	1	1
$126_1 = \chi_{8,0+}$	2	2	2	1	1	1	2	1	1
$126_2 = \chi_{8,1+}$	2	2	2	1	1	1	1	2	1
$126_3 = \chi_{8,2+}$	2	2	2	1	1	1	1	1	2

$$\begin{aligned}
 \varphi_{1,0} &= 1_1 & \varphi_{2,2+} &= 16_3 \\
 \varphi_{1,1} &= 1_2 & \varphi_{4,0+} &= 18_1 \\
 \varphi_{1,2} &= 1_3 & \varphi_{4,1+} &= 18_2 \\
 \varphi_{2,0+} &= 16_1 & \varphi_{4,2+} &= 18_3 \\
 \varphi_{2,1+} &= 16_2
 \end{aligned}$$

Block 2:	$\varphi_{6,0}$
$64_1 = \chi_{10,0}$	1
$64_4 = \chi_{10,3}$	1

$$\varphi_{6,0} = 64_1$$

Block 3:	$\varphi_{6,1}$
$64_2 = \chi_{10,1}$	1
$64_5 = \chi_{10,4}$	1

$$\varphi_{6,1} = 64_2$$

Block 4:	$\varphi_{6,2}$
$64_3 = \chi_{10,2}$	1
$64_6 = \chi_{10,5}$	1

$$\varphi_{6,2} = 64_3$$

Blocks 5, 6:	$\varphi_{7,0+}$	$\varphi_{7,1+}$	$\varphi_{7,2+}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{9,2}$	$\varphi_{10,0+}$	$\varphi_{10,1+}$	$\varphi_{10,2+}$
$45_1 = \chi_{32,0+}$	1	1	1	1	1	1	.	.	.
$45_2 = \chi_{32,1+}$	1	1	1	1	1	1	.	.	.
$21_1 = \chi_{35,0}$	1	1	.	.	.	1	.	.	.
$21_2 = \chi_{35,1}$	.	1	1	1	.	.	.	.	.
$21_3 = \chi_{35,2}$	1	.	1	.	1	.	.	.	.
$21_4 = \chi_{35,3}$	1	1	.	.	.	1	.	.	.
$21_5 = \chi_{35,4}$	.	1	1	1	.	.	.	.	.
$21_6 = \chi_{35,5}$	1	.	1	.	1	.	.	.	.
$90_4 = \chi_{36,0+}$	.	3	1	2	.	.	1	.	.
$90_5 = \chi_{36,1+}$	1	.	3	.	2	.	.	1	.
$90_6 = \chi_{36,2+}$	3	1	.	.	.	2	.	.	1
$126_4 = \chi_{38,0+}$	1	3	3	2	2	.	1	.	.
$126_5 = \chi_{38,1+}$	3	1	3	.	2	2	.	1	.
$126_6 = \chi_{38,2+}$	3	3	1	2	.	2	.	.	1
$84_1 = \chi_{40,0}$	.	2	1	1	1	.	1	.	.
$84_2 = \chi_{40,1}$	1	.	2	.	1	1	.	1	.
$84_3 = \chi_{40,2}$	2	1	.	1	.	1	.	.	1
$84_4 = \chi_{40,3}$	.	2	1	1	1	.	1	.	.
$84_5 = \chi_{40,4}$	1	.	2	.	1	1	.	1	.
$84_6 = \chi_{40,5}$	2	1	.	1	.	1	.	.	1

$$\begin{aligned} \varphi_{7,0+} &= 6_1 \\ \varphi_{7,1+} &= 6_2 \\ \varphi_{7,2+} &= 6_3 \\ \varphi_{9,0} &= 9_1 \\ \varphi_{9,1} &= 9_2 \end{aligned}$$

$$\begin{aligned} \varphi_{9,2} &= 9_3 \\ \varphi_{10,0+} &= 48_1 \\ \varphi_{10,1+} &= 48_2 \\ \varphi_{10,2+} &= 48_3 \end{aligned}$$