$L_4(3).2_1 \pmod 2$

	blocks	defect	matrix
$2.G:$	1	9	46×5
	2	4	16×1
	3	2	4×1
	$4 = \overline{3}$	2	4×1
	5	2	4×1
	$6 = \overline{5}$	2	4×1

Block 1:	$\varphi_{1,0}$	φ_{2+}	$\varphi_{4,0}$	φ_{5+}	$\varphi_{7,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.
$52_1 = \chi_{2+}$	.	1	.	.	.
$39_1 = \chi_{4,0}$	1	.	1	.	.
$39_2 = \chi_{4,1}$	1	.	1	.	.
$52_2 = \chi_{5,0}$	.	1	.	.	.
$52_3 = \chi_{5,1}$	.	1	.	.	.
$130_1 = \chi_{6+}$	2	1	2	.	.
$90_1 = \chi_{8,0}$	.	1	1	.	.
$90_2 = \chi_{8,1}$	.	1	1	.	.
$468_1 = \chi_{9+}$	.	1	.	1	.
$520_1 = \chi_{11+}$	.	2	.	1	.
$260_1 = \chi_{13,0}$	.	.	.	.	1
$260_2 = \chi_{13,1}$	.	.	.	.	1
$351_1 = \chi_{14,0}$	1	1	1	.	1
$351_2 = \chi_{14,1}$	1	1	1	.	1
$390_1 = \chi_{15,0}$	2	1	2	.	1
$390_2 = \chi_{15,1}$	2	1	2	.	1
$468_2 = \chi_{20,0}$	.	1	.	1	.
$468_3 = \chi_{20,1}$	.	1	.	1	.
$1170_1 = \chi_{21+}$	2	3	2	1	2
$729_1 = \chi_{27,0}$	1	1	.	1	1
$729_2 = \chi_{27,1}$	1	1	.	1	1
$780_1 = \chi_{28,0}$	.	2	.	1	1
$780_2 = \chi_{28,1}$	.	2	.	1	1
$1040_1 = \chi_{29,0}$	.	2	.	1	2
$1040_2 = \chi_{29,1}$	.	2	.	1	2
$40_1 = \chi_{30,0}$	2	.	1	.	.
$40_2 = \chi_{30,1}$	2	.	1	.	.
$416_9 = \chi_{31+}$	.	.	.	1	.
$416_{10} = \chi_{32+}$	.	.	.	1	.
$260_3 = \chi_{35,0}$	.	.	.	.	1
$260_4 = \chi_{35,1}$	.	.	.	.	1
$260_5 = \chi_{36,0}$	.	.	.	.	1
$260_6 = \chi_{36,1}$	.	.	.	.	1
$480_1 = \chi_{41,0}$	2	2	3	.	1
$480_2 = \chi_{41,1}$	2	2	3	.	1
$520_2 = \chi_{42,0}$	.	2	.	1	.
$520_3 = \chi_{42,1}$	.	2	.	1	.
$1040_3 = \chi_{43+}$	.	2	.	1	2

(**Block 1:**)	$\varphi_{1,0}$	φ_{2+}	$\varphi_{4,0}$	φ_{5+}	$\varphi_{7,0}$
$780_3 = \chi_{49,0}$	.	2	.	1	1
$780_4 = \chi_{49,1}$	.	2	.	1	1
$780_5 = \chi_{50,0}$	.	2	.	1	1
$780_6 = \chi_{50,1}$	.	2	.	1	1
$1080_1 = \chi_{51,0}$	2	2	1	1	2
$1080_2 = \chi_{51,1}$	2	2	1	1	2

$\varphi_{1,0} = 1_1$
$\varphi_{2+} = 52_1$
$\varphi_{4,0} = 38_1$
$\varphi_{5+} = 416_1$
$\varphi_{7,0} = 260_1$

Block 2:	$\varphi_{8,0}$
$416_1 = \chi_{16,0}$	1
$416_2 = \chi_{16,1}$	1
$416_3 = \chi_{17,0}$	1
$416_4 = \chi_{17,1}$	1
$416_5 = \chi_{18,0}$	1
$416_6 = \chi_{18,1}$	1
$416_7 = \chi_{19,0}$	1
$416_8 = \chi_{19,1}$	1
$416_{11} = \chi_{37,0}$	1
$416_{12} = \chi_{37,1}$	1
$416_{13} = \chi_{38,0}$	1
$416_{14} = \chi_{38,1}$	1
$416_{15} = \chi_{39,0}$	1
$416_{16} = \chi_{39,1}$	1
$416_{17} = \chi_{40,0}$	1
$416_{18} = \chi_{40,1}$	1

$\varphi_{8,0} = 416_2$

Block 3:	$\varphi_{9,0}$
$640_1 = \chi_{23,0}$	1
$640_2 = \chi_{23,1}$	1
$640_9 = \chi_{45,0}$	1
$640_{10} = \chi_{45,1}$	1

$\varphi_{9,0} = 640_1$

Block 4:	$\varphi_{10,0}$
$640_3 = \chi_{24,0}$	1
$640_4 = \chi_{24,1}$	1
$640_{11} = \chi_{46,0}$	1
$640_{12} = \chi_{46,1}$	1

$\varphi_{10,0} = 640_2$

Block 5:	$\varphi_{11,0}$
$640_5 = \chi_{25,0}$	1
$640_6 = \chi_{25,1}$	1
$640_{13} = \chi_{47,0}$	1
$640_{14} = \chi_{47,1}$	1

$\varphi_{11,0} = 640_3$

Block 6:	$\varphi_{12,0}$
$640_7 = \chi_{26,0}$	1
$640_8 = \chi_{26,1}$	1
$640_{15} = \chi_{48,0}$	1
$640_{16} = \chi_{48,1}$	1

$\varphi_{12,0} = 640_4$