

$$L_3(8).3 \pmod{2}$$

	blocks	defect	matrix
$G:$	1	9	37×29
	2	0	$512_1 = \chi_{61,0}, \varphi_{64,0}$
	3	0	$512_2 = \chi_{61,1}, \varphi_{64,1}$
	$4 = \overline{3}$	0	$512_3 = \chi_{61,2}, \varphi_{64,2}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	φ_{2+}	φ_{3+}	φ_{8+}	φ_{11+}	φ_{12+}	φ_{17+}	φ_{18+}	φ_{23+}	φ_{24+}
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	.	.	.	.	.	.
$72_1 = \chi_{2,0}$	.	.	.	1	1	.	.	.	.	.	.	.
$72_2 = \chi_{2,1}$	.	.	.	1	1	.	.	.	.	.	.	.
$72_3 = \chi_{2,2}$	.	.	.	1	1	.	.	.	.	.	.	.
$219_1 = \chi_{3+}$	1	1	1	1	2	.	1	1	2	.	.	.
$219_2 = \chi_{4+}$	1	1	1	2	1	.	1	1	.	2	.	.
$1323_1 = \chi_{9+}$	1	1	1	2	5	1	2	2	3	1	.	.
$1323_2 = \chi_{10+}$	1	1	1	5	2	1	2	2	1	3	.	.
$1323_3 = \chi_{15+}$	2	2	2	3	4	2	4	2	3	2	.	3
$1323_4 = \chi_{16+}$	2	2	2	4	3	2	2	4	2	3	3	.
$1323_5 = \chi_{21+}$	2	2	2	5	2	2	2	3	1	3	2	.
$1323_6 = \chi_{22+}$	2	2	2	2	5	2	3	2	3	1	.	2
$1323_7 = \chi_{27+}$	.	.	.	6	5	1	1	1	3	2	1	.
$1323_8 = \chi_{28+}$	.	.	.	5	6	1	1	1	2	3	.	1
$511_1 = \chi_{33,0}$	1	.	.	1	1	1	1	1	1	1	1	1
$511_2 = \chi_{33,1}$	.	1	.	1	1	1	1	1	1	1	1	1
$511_3 = \chi_{33,2}$	.	.	1	1	1	1	1	1	1	1	1	1
$1533_1 = \chi_{34+}$	1	1	1	6	6	1	1	1	2	2	1	1
$1533_2 = \chi_{37+}$	1	1	1	4	6	3	3	3	3	3	.	2
$1533_3 = \chi_{38+}$	1	1	1	6	4	3	3	3	3	3	2	.
$1533_4 = \chi_{43+}$	2	2	2	4	5	1	3	3	3	3	.	.
$1533_5 = \chi_{44+}$	2	2	2	5	4	1	3	3	3	3	.	.
$1533_6 = \chi_{49+}$	3	3	3	2	5	2	5	2	3	1	.	3
$1533_7 = \chi_{50+}$	3	3	3	5	2	2	2	5	1	3	3	.
$1533_8 = \chi_{55+}$	1	1	1	6	5	1	1	2	3	3	2	.
$1533_9 = \chi_{56+}$	1	1	1	5	6	1	2	1	3	3	.	2
$1752_1 = \chi_{62+}$	1	1	1	6	4	2	3	2	2	4	.	.
$1752_2 = \chi_{63+}$	1	1	1	4	6	2	2	3	4	2	.	.
$657_1 = \chi_{68,0}$	1	1	1	1	2	1	2	1	1	1	.	1
$657_2 = \chi_{68,1}$	1	1	1	1	2	1	2	1	1	1	.	1
$657_3 = \chi_{68,2}$	1	1	1	1	2	1	2	1	1	1	.	1
$657_4 = \chi_{69,0}$	1	1	1	2	1	1	1	2	1	1	1	.
$657_5 = \chi_{69,1}$	1	1	1	2	1	1	1	2	1	1	1	.
$657_6 = \chi_{69,2}$	1	1	1	2	1	1	1	2	1	1	1	.
$1971_1 = \chi_{70+}$	1	1	1	6	6	2	2	2	3	3	2	2

[illegible]

(Block 1:)	φ_{46+}	φ_{47+}	φ_{52+}	φ_{53+}	φ_{58+}	φ_{59+}	
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	
$1_3 = \chi_{1,2}$	.	.	.	.	.	.	
$72_1 = \chi_{2,0}$	.	.	.	.	.	.	$\varphi_{1,0} = 1_1$
$72_2 = \chi_{2,1}$	.	.	.	.	.	.	$\varphi_{1,1} = 1_2$
$72_3 = \chi_{2,2}$	.	.	.	.	.	.	$\varphi_{1,2} = 1_3$
$219_1 = \chi_{3+}$	.	.	.	.	.	.	$\varphi_{2+} = 9_1$
$219_2 = \chi_{4+}$	.	.	.	.	.	.	$\varphi_{3+} = 9_2$
$1323_1 = \chi_{9+}$	.	.	.	1	.	1	$\varphi_{8+} = 24_1$
$1323_2 = \chi_{10+}$	.	.	1	.	1	.	$\varphi_{11+} = 27_1$
$1323_3 = \chi_{15+}$	.	.	.	1	.	.	$\varphi_{12+} = 27_2$
$1323_4 = \chi_{16+}$	.	.	1	.	.	.	$\varphi_{17+} = 27_3$
$1323_5 = \chi_{21+}$	.	1	1	.	.	.	$\varphi_{18+} = 27_4$
$1323_6 = \chi_{22+}$	1	.	.	1	.	.	$\varphi_{23+} = 72_1$
$1323_7 = \chi_{27+}$	1	1	.	.	.	.	$\varphi_{24+} = 72_2$
$1323_8 = \chi_{28+}$	1	1	.	.	.	.	$\varphi_{29+} = 72_3$
$511_1 = \chi_{33,0}$	.	.	.	.	.	.	$\varphi_{30+} = 72_4$
$511_2 = \chi_{33,1}$	.	.	.	.	.	.	$\varphi_{35,0} = 27_5$
$511_3 = \chi_{33,2}$	.	.	.	.	.	.	$\varphi_{35,1} = 27_6$
$1533_1 = \chi_{34+}$	1	1	.	.	.	.	$\varphi_{35,2} = 27_7$
$1533_2 = \chi_{37+}$	1	.	.	1	.	.	$\varphi_{36,0} = 27_8$
$1533_3 = \chi_{38+}$	.	1	1	.	.	.	$\varphi_{36,1} = 27_9$
$1533_4 = \chi_{43+}$	.	.	.	1	.	1	$\varphi_{36,2} = 27_{10}$
$1533_5 = \chi_{44+}$	.	.	1	.	1	.	$\varphi_{37+} = 81_1$
$1533_6 = \chi_{49+}$	.	.	.	2	.	.	$\varphi_{38+} = 81_2$
$1533_7 = \chi_{50+}$	.	.	2	.	.	.	$\varphi_{43+} = 192_1$
$1533_8 = \chi_{55+}$	1	1	.	.	.	.	$\varphi_{46+} = 216_1$
$1533_9 = \chi_{56+}$	1	1	.	.	.	.	$\varphi_{47+} = 216_2$
$1752_1 = \chi_{62+}$	.	1	1	.	1	.	$\varphi_{52+} = 216_3$
$1752_2 = \chi_{63+}$	1	.	.	1	.	1	$\varphi_{53+} = 216_4$
$657_1 = \chi_{68,0}$	.	.	.	1	.	.	$\varphi_{58+} = 576_1$
$657_2 = \chi_{68,1}$	.	.	.	1	.	.	$\varphi_{59+} = 576_2$
$657_3 = \chi_{68,2}$	.	.	.	1	.	.	
$657_4 = \chi_{69,0}$	.	.	1	.	.	.	
$657_5 = \chi_{69,1}$	.	.	1	.	.	.	
$657_6 = \chi_{69,2}$	.	.	1	.	.	.	
$1971_1 = \chi_{70+}$	1	1	.	.	.	.	