$L_3(8).3 \pmod 7$

	blocks	defect	matrix
$G:$	1	2	20×9
	2	0	$1323_1 = \chi_{9+}, \varphi_{3+}$
	$3 = \overline{2}$	0	$1323_2 = \chi_{10+}, \varphi_{4+}$
	4	0	$1323_3 = \chi_{15+}, \varphi_{9+}$
	$5 = \overline{4}$	0	$1323_4 = \chi_{16+}, \varphi_{10+}$
	6	0	$1323_5 = \chi_{21+}, \varphi_{15+}$

	blocks	defect	matrix
	$7 = \overline{6}$	0	$1323_6 = \chi_{22+}, \varphi_{16+}$
	8	0	$1323_7 = \chi_{27+}, \varphi_{21+}$
	$9 = \overline{8}$	0	$1323_8 = \chi_{28+}, \varphi_{22+}$
	10	1	5×3
	11	1	7×1

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{2,2}$	$\varphi_{31,0}$	$\varphi_{31,1}$	$\varphi_{31,2}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	.	.	.
$72_1 = \chi_{2,0}$	.	.	.	1	.	.	.	.	.
$72_2 = \chi_{2,1}$	.	.	.	.	1	.	.	.	.
$72_3 = \chi_{2,2}$	.	.	.	.	.	1	.	.	.
$219_1 = \chi_{3+}$	1	1	1	1	1	1	.	.	.
$219_2 = \chi_{4+}$	1	1	1	1	1	1	.	.	.
$512_1 = \chi_{61,0}$	.	.	.	.	.	.	1	.	.
$512_2 = \chi_{61,1}$	.	.	.	.	.	.	.	1	.
$512_3 = \chi_{61,2}$	.	.	.	.	.	.	.	.	1
$1752_1 = \chi_{62+}$	.	.	.	1	1	1	1	1	1
$1752_2 = \chi_{63+}$	.	.	.	1	1	1	1	1	1
$657_1 = \chi_{68,0}$	1	.	.	.	1	1	1	.	.
$657_2 = \chi_{68,1}$	.	1	.	1	.	1	.	1	.
$657_3 = \chi_{68,2}$	.	.	1	1	1	.	.	.	1
$657_4 = \chi_{69,0}$	1	.	.	.	1	1	1	.	.
$657_5 = \chi_{69,1}$	.	1	.	1	.	1	.	1	.
$657_6 = \chi_{69,2}$	.	.	1	1	1	.	.	.	1
$1971_1 = \chi_{70+}$	1	1	1	2	2	2	1	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{1,1} &= 1_2 \\ \varphi_{1,2} &= 1_3 \\ \varphi_{2,0} &= 72_1 \\ \varphi_{2,1} &= 72_2 \end{aligned} \qquad \begin{aligned} \varphi_{2,2} &= 72_3 \\ \varphi_{31,0} &= 512_1 \\ \varphi_{31,1} &= 512_2 \\ \varphi_{31,2} &= 512_3 \end{aligned}$$

Block 10:	$\varphi_{27,0}$	$\varphi_{27,1}$	$\varphi_{27,2}$
$511_1 = \chi_{33,0}$	1	.	.
$511_2 = \chi_{33,1}$	.	1	.
$511_3 = \chi_{33,2}$	.	.	1
$1533_2 = \chi_{37+}$	1	1	1
$1533_3 = \chi_{38+}$	1	1	1

$\varphi_{27,0} = 511_1$
$\varphi_{27,1} = 511_2$
$\varphi_{27,2} = 511_3$

Block 11:	φ_{28+}
$1533_1 = \chi_{34+}$	1
$1533_4 = \chi_{43+}$	1
$1533_5 = \chi_{44+}$	1
$1533_6 = \chi_{49+}$	1
$1533_7 = \chi_{50+}$	1
$1533_8 = \chi_{55+}$	1
$1533_9 = \chi_{56+}$	1

$\varphi_{28+} = 1533_1$