

$L_3(8).3 \pmod{73}$

	blocks	defect	matrix
$G :$	1	1	17×9
	2	0	$219_1 = \chi_{3+}, \varphi_{3+}$
	$3 = \overline{2}$	0	$219_2 = \chi_{4+}, \varphi_{4+}$
	4	0	$511_1 = \chi_{33,0}, \varphi_{10,0}$
	5	0	$511_2 = \chi_{33,1}, \varphi_{10,1}$
	$6 = \overline{5}$	0	$511_3 = \chi_{33,2}, \varphi_{10,2}$
	7	0	$1533_1 = \chi_{34+}, \varphi_{11+}$
	8	0	$1533_2 = \chi_{37+}, \varphi_{14+}$
	$9 = \overline{8}$	0	$1533_3 = \chi_{38+}, \varphi_{15+}$
	10	0	$1533_4 = \chi_{43+}, \varphi_{20+}$
	$11 = \overline{10}$	0	$1533_5 = \chi_{44+}, \varphi_{21+}$
	12	0	$1533_6 = \chi_{49+}, \varphi_{26+}$
	$13 = \overline{12}$	0	$1533_7 = \chi_{50+}, \varphi_{27+}$
	14	0	$1533_8 = \chi_{55+}, \varphi_{32+}$
	$15 = \overline{14}$	0	$1533_9 = \chi_{56+}, \varphi_{33+}$
	16	0	$1752_1 = \chi_{62+}, \varphi_{38+}$
	$17 = \overline{16}$	0	$1752_2 = \chi_{63+}, \varphi_{39+}$
	18	0	$657_1 = \chi_{68,0}, \varphi_{44,0}$
	19	0	$657_2 = \chi_{68,1}, \varphi_{44,1}$
	20	0	$657_3 = \chi_{68,2}, \varphi_{44,2}$
	$21 = \overline{18}$	0	$657_4 = \chi_{69,0}, \varphi_{45,0}$
	$22 = \overline{20}$	0	$657_5 = \chi_{69,1}, \varphi_{45,1}$
	$23 = \overline{19}$	0	$657_6 = \chi_{69,2}, \varphi_{45,2}$
	24	0	$1971_1 = \chi_{70+}, \varphi_{46+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{2,2}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{9,2}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$.	1	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$.	.	1	.	.	.	.	.	.
$72_1 = \chi_{2,0}$	1	.	.	1	.	.	.	.	.
$72_2 = \chi_{2,1}$.	1	.	.	1	.	.	.	.
$72_3 = \chi_{2,2}$.	.	1	.	.	1	.	.	.
$1323_1 = \chi_{9+}$	1	1	1
$1323_2 = \chi_{10+}$	1	1	1
$1323_3 = \chi_{15+}$	1	1	1
$1323_4 = \chi_{16+}$	1	1	1
$1323_5 = \chi_{21+}$	1	1	1
$1323_6 = \chi_{22+}$	1	1	1
$1323_7 = \chi_{27+}$	1	1	1
$1323_8 = \chi_{28+}$	1	1	1
$512_1 = \chi_{61,0}$.	.	.	1	.	.	1	.	.
$512_2 = \chi_{61,1}$	1	.	.	1	.
$512_3 = \chi_{61,2}$	1	.	.	1

$$\begin{aligned}
\varphi_{1,0} &= 1_1 \\
\varphi_{1,1} &= 1_2 \\
\varphi_{1,2} &= 1_3 \\
\varphi_{2,0} &= 71_1 \\
\varphi_{2,1} &= 71_2 \\
\varphi_{2,2} &= 71_3 \\
\varphi_{9,0} &= 441_1 \\
\varphi_{9,1} &= 441_2 \\
\varphi_{9,2} &= 441_3
\end{aligned}$$