

## $L_3(8).2 \pmod{7}$

	blocks	defect	matrix
$G :$	1	2	$19 \times 6$
	2	0	$882_1 = \chi_{9+}, \varphi_{3+}$
	3	0	$882_2 = \chi_{11+}, \varphi_{5+}$
	4	0	$882_3 = \chi_{13+}, \varphi_{7+}$
	5	0	$882_4 = \chi_{15+}, \varphi_{9+}$
	6	0	$882_5 = \chi_{17+}, \varphi_{11+}$
	7	0	$882_6 = \chi_{19+}, \varphi_{13+}$
	8	0	$882_7 = \chi_{21+}, \varphi_{15+}$
	9	0	$882_8 = \chi_{23+}, \varphi_{17+}$

	blocks	defect	matrix
	10	0	$882_9 = \chi_{25+}, \varphi_{19+}$
	11	0	$882_{10} = \chi_{27+}, \varphi_{21+}$
	12	0	$882_{11} = \chi_{29+}, \varphi_{23+}$
	13	0	$882_{12} = \chi_{31+}, \varphi_{25+}$
	14	1	$5 \times 2$
	15	1	$5 \times 2$
	16	1	$5 \times 2$
	17	1	$5 \times 2$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{31,0}$	$\varphi_{31,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	
$72_1 = \chi_{2,0}$	.	.	1	.	.	.	
$72_2 = \chi_{2,1}$	.	.	.	1	.	.	
$146_1 = \chi_{3+}$	1	1	1	1	.	.	
$146_2 = \chi_{5+}$	1	1	1	1	.	.	
$146_3 = \chi_{7+}$	1	1	1	1	.	.	
$512_1 = \chi_{61,0}$	.	.	.	.	1	.	$\varphi_{1,0} = 1_1$
$512_2 = \chi_{61,1}$	.	.	.	.	.	1	$\varphi_{1,1} = 1_2$
$1168_1 = \chi_{62+}$	.	.	1	1	1	1	$\varphi_{2,0} = 72_1$
$1168_2 = \chi_{64+}$	.	.	1	1	1	1	$\varphi_{2,1} = 72_2$
$1168_3 = \chi_{66+}$	.	.	1	1	1	1	$\varphi_{31,0} = 512_1$
$1314_1 = \chi_{68+}$	1	1	2	2	1	1	$\varphi_{31,1} = 512_2$
$657_1 = \chi_{70,0}$	1	.	1	1	1	.	
$657_2 = \chi_{70,1}$	.	1	1	1	.	1	
$657_3 = \chi_{71,0}$	1	.	1	1	1	.	
$657_4 = \chi_{71,1}$	.	1	1	1	.	1	
$657_5 = \chi_{72,0}$	1	.	1	1	1	.	
$657_6 = \chi_{72,1}$	.	1	1	1	.	1	

<b>Block 14:</b>	$\varphi_{27,0}$	$\varphi_{27,1}$	
$511_1 = \chi_{33,0}$	1	.	
$511_2 = \chi_{33,1}$	.	1	$\varphi_{27,0} = 511_1$
$1022_1 = \chi_{37+}$	1	1	$\varphi_{27,1} = 511_2$
$1022_2 = \chi_{39+}$	1	1	
$1022_3 = \chi_{41+}$	1	1	

<b>Block 15:</b>	$\varphi_{28,0}$	$\varphi_{28,1}$
$511_3 = \chi_{34,0}$	1	.
$511_4 = \chi_{34,1}$	.	1
$1022_4 = \chi_{43+}$	1	1
$1022_8 = \chi_{51+}$	1	1
$1022_{12} = \chi_{59+}$	1	1

$$\begin{aligned}\varphi_{28,0} &= 511_3 \\ \varphi_{28,1} &= 511_4\end{aligned}$$

<b>Block 16:</b>	$\varphi_{29,0}$	$\varphi_{29,1}$
$511_5 = \chi_{35,0}$	1	.
$511_6 = \chi_{35,1}$	.	1
$1022_5 = \chi_{45+}$	1	1
$1022_9 = \chi_{53+}$	1	1
$1022_{10} = \chi_{55+}$	1	1

$$\begin{aligned}\varphi_{29,0} &= 511_5 \\ \varphi_{29,1} &= 511_6\end{aligned}$$

<b>Block 17:</b>	$\varphi_{30,0}$	$\varphi_{30,1}$
$511_7 = \chi_{36,0}$	1	.
$511_8 = \chi_{36,1}$	.	1
$1022_6 = \chi_{47+}$	1	1
$1022_7 = \chi_{49+}$	1	1
$1022_{11} = \chi_{57+}$	1	1

$$\begin{aligned}\varphi_{30,0} &= 511_7 \\ \varphi_{30,1} &= 511_8\end{aligned}$$