

$L_3(5) \pmod{3}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	3×2		10	0	$96_5 = \chi_{10}, \varphi_{10}$
	2	0	$30_1 = \chi_2, \varphi_2$		$11 = \overline{10}$	0	$96_6 = \chi_{11}, \varphi_{11}$
	3	1	3×2		12	0	$96_7 = \chi_{12}, \varphi_{12}$
	4	1	3×2		$13 = \overline{12}$	0	$96_8 = \chi_{13}, \varphi_{13}$
	$5 = \overline{4}$	1	3×2		14	0	$96_9 = \chi_{14}, \varphi_{14}$
	6	0	$96_1 = \chi_6, \varphi_6$		$15 = \overline{14}$	0	$96_{10} = \chi_{15}, \varphi_{15}$
	$7 = \overline{6}$	0	$96_2 = \chi_7, \varphi_7$		16	1	3×1
	8	0	$96_3 = \chi_8, \varphi_8$		$17 = \overline{16}$	1	3×1
	$9 = \overline{8}$	0	$96_4 = \chi_9, \varphi_9$		18	0	$186_1 = \chi_{30}, \varphi_{22}$

Block 1:	φ_1	φ_{17}
$1_1 = \chi_1$	1	.
$124_2 = \chi_{17}$.	1
$125_1 = \chi_{26}$	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_{17} &= 124_2 \end{aligned}$$

Block 3:	φ_3	φ_{16}
$31_1 = \chi_3$	1	.
$124_1 = \chi_{16}$.	1
$155_1 = \chi_{27}$	1	1

$$\begin{aligned} \varphi_3 &= 31_1 \\ \varphi_{16} &= 124_1 \end{aligned}$$

Block 4:	φ_4	φ_{19}
$31_2 = \chi_4$	1	.
$124_4 = \chi_{19}$.	1
$155_2 = \chi_{28}$	1	1

$$\begin{aligned} \varphi_4 &= 31_2 \\ \varphi_{19} &= 124_4 \end{aligned}$$

Block 5:	φ_5	φ_{18}
$31_3 = \chi_5$	1	.
$124_3 = \chi_{18}$.	1
$155_3 = \chi_{29}$	1	1

$$\begin{aligned} \varphi_5 &= 31_3 \\ \varphi_{18} &= 124_3 \end{aligned}$$

Block 16:	φ_{21}
$124_5 = \chi_{20}$	1
$124_8 = \chi_{23}$	1
$124_{10} = \chi_{25}$	1

$$\varphi_{21} = 124_6$$

Block 17:	φ_{20}
$124_6 = \chi_{21}$	1
$124_7 = \chi_{22}$	1
$124_9 = \chi_{24}$	1

$$\varphi_{20} = 124_5$$