

$L_2(16) \pmod{3}$

	blocks	defect	matrix
$G :$	1	1	3×2
	2	0	$15_1 = \chi_2, \varphi_2$
	3	0	$15_2 = \chi_3, \varphi_3$
	4	0	$15_3 = \chi_4, \varphi_4$
	5	0	$15_4 = \chi_5, \varphi_5$
	6	0	$15_5 = \chi_6, \varphi_6$

	blocks	defect	matrix
	7	0	$15_6 = \chi_7, \varphi_7$
	8	0	$15_7 = \chi_8, \varphi_8$
	9	0	$15_8 = \chi_9, \varphi_9$
	10	1	3×1
	11	1	3×1

Block 1:	φ_1	φ_{10}
$1_1 = \chi_1$	1	.
$16_1 = \chi_{10}$.	1
$17_1 = \chi_{11}$	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_{10} &= 16_1 \end{aligned}$$

Block 10:	φ_{11}
$17_2 = \chi_{12}$	1
$17_6 = \chi_{16}$	1
$17_7 = \chi_{17}$	1

$$\varphi_{11} = 17_1$$

Block 11:	φ_{12}
$17_3 = \chi_{13}$	1
$17_4 = \chi_{14}$	1
$17_5 = \chi_{15}$	1

$$\varphi_{12} = 17_2$$