

$L_2(25) \pmod{3}$

	blocks	defect	matrix
$G :$	1	1	3×2
	2	1	3×2
	3	0	$24_1 = \chi_4, \varphi_4$
	4	0	$24_2 = \chi_5, \varphi_5$
	5	0	$24_3 = \chi_6, \varphi_6$
	6	0	$24_4 = \chi_7, \varphi_7$
	7	0	$24_5 = \chi_8, \varphi_8$
	8	0	$24_6 = \chi_9, \varphi_9$
	9	1	3×1
$2.G :$	10	0	$12_1 = \chi_{16}, \varphi_{12}$

	blocks	defect	matrix
	11	0	$12_2 = \chi_{17}, \varphi_{13}$
	12	0	$24_7 = \chi_{18}, \varphi_{14}$
	13	0	$24_8 = \chi_{19}, \varphi_{15}$
	14	0	$24_9 = \chi_{20}, \varphi_{16}$
	15	0	$24_{10} = \chi_{21}, \varphi_{17}$
	16	0	$24_{11} = \chi_{22}, \varphi_{18}$
	17	0	$24_{12} = \chi_{23}, \varphi_{19}$
	18	1	3×1
	19	1	3×1

Block 1:	φ_1	φ_{10}
$1_1 = \chi_1$	1	.
$25_1 = \chi_{10}$.	1
$26_1 = \chi_{11}$	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_{10} &= 25_1 \end{aligned}$$

Block 2:	φ_2	φ_3
$13_1 = \chi_2$	1	.
$13_2 = \chi_3$.	1
$26_3 = \chi_{13}$	1	1

$$\begin{aligned} \varphi_2 &= 13_1 \\ \varphi_3 &= 13_2 \end{aligned}$$

Block 9:	φ_{11}
$26_2 = \chi_{12}$	1
$26_4 = \chi_{14}$	1
$26_5 = \chi_{15}$	1

$$\varphi_{11} = 26_1$$

Block 18:	φ_{20}
$26_6 = \chi_{24}$	1
$26_8 = \chi_{26}$	1
$26_{11} = \chi_{29}$	1

$$\varphi_{20} = 26_2$$

Block 19:	φ_{21}
$26_7 = \chi_{25}$	1
$26_9 = \chi_{27}$	1
$26_{10} = \chi_{28}$	1

$$\varphi_{21} = 26_3$$