

# $L_2(25).2_1 \pmod{3}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	$3 \times 2$	$2.G :$	18	0	$24_{13} = \chi_{16+}, \varphi_{12+}$
	2	1	$3 \times 2$		19	0	$24_{14} = \chi_{18,0}, \varphi_{14,0}$
	3	1	$3 \times 1$		20	0	$24_{15} = \chi_{18,1}, \varphi_{14,1}$
	4	0	$24_1 = \chi_{4,0}, \varphi_{4,0}$		21	0	$24_{16} = \chi_{19,0}, \varphi_{15,0}$
	5	0	$24_2 = \chi_{4,1}, \varphi_{4,1}$		22	0	$24_{17} = \chi_{19,1}, \varphi_{15,1}$
	6	0	$24_3 = \chi_{5,0}, \varphi_{5,0}$		23	0	$24_{18} = \chi_{20,0}, \varphi_{16,0}$
	7	0	$24_4 = \chi_{5,1}, \varphi_{5,1}$		24	0	$24_{19} = \chi_{20,1}, \varphi_{16,1}$
	8	0	$24_5 = \chi_{6,0}, \varphi_{6,0}$		25	0	$24_{20} = \chi_{21,0}, \varphi_{17,0}$
	9	0	$24_6 = \chi_{6,1}, \varphi_{6,1}$		26	0	$24_{21} = \chi_{21,1}, \varphi_{17,1}$
	10	0	$24_7 = \chi_{7,0}, \varphi_{7,0}$		27	0	$24_{22} = \chi_{22,0}, \varphi_{18,0}$
	11	0	$24_8 = \chi_{7,1}, \varphi_{7,1}$		28	0	$24_{23} = \chi_{22,1}, \varphi_{18,1}$
	12	0	$24_9 = \chi_{8,0}, \varphi_{8,0}$		29	0	$24_{24} = \chi_{23,0}, \varphi_{19,0}$
	13	0	$24_{10} = \chi_{8,1}, \varphi_{8,1}$		30	0	$24_{25} = \chi_{23,1}, \varphi_{19,1}$
	14	0	$24_{11} = \chi_{9,0}, \varphi_{9,0}$		31	1	$3 \times 1$
	15	0	$24_{12} = \chi_{9,1}, \varphi_{9,1}$		32	1	$3 \times 1$
	16	1	$3 \times 1$		33	1	$3 \times 1$
	17	1	$3 \times 1$		34	1	$3 \times 1$

Block 1:	$\varphi_{1,0}$	$\varphi_{10,0}$
$1_1 = \chi_{1,0}$	1	.
$25_1 = \chi_{10,0}$	.	1
$26_2 = \chi_{11,0}$	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{10,0} &= 25_1 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{10,1}$
$1_2 = \chi_{1,1}$	1	.
$25_2 = \chi_{10,1}$	.	1
$26_3 = \chi_{11,1}$	1	1

$$\begin{aligned} \varphi_{1,1} &= 1_2 \\ \varphi_{10,1} &= 25_2 \end{aligned}$$

Block 3:	$\varphi_{2+}$
$26_1 = \chi_{2+}$	1
$26_6 = \chi_{13,0}$	1
$26_7 = \chi_{13,1}$	1

$$\varphi_{2+} = 26_1$$

Block 16:	$\varphi_{11,0}$	
$26_4 = \chi_{12,0}$	1	$\varphi_{11,0} = 26_2$
$26_9 = \chi_{14,1}$	1	
$26_{10} = \chi_{15,0}$	1	

Block 17:	$\varphi_{11,1}$	
$26_5 = \chi_{12,1}$	1	$\varphi_{11,1} = 26_3$
$26_8 = \chi_{14,0}$	1	
$26_{11} = \chi_{15,1}$	1	

Block 31:	$\varphi_{20,0}$	
$26_{12} = \chi_{24,0}$	1	$\varphi_{20,0} = 26_4$
$26_{16} = \chi_{26,0}$	1	
$26_{22} = \chi_{29,0}$	1	

Block 32:	$\varphi_{20,1}$	
$26_{13} = \chi_{24,1}$	1	$\varphi_{20,1} = 26_5$
$26_{17} = \chi_{26,1}$	1	
$26_{23} = \chi_{29,1}$	1	

Block 33:	$\varphi_{21,0}$	
$26_{14} = \chi_{25,0}$	1	$\varphi_{21,0} = 26_6$
$26_{19} = \chi_{27,1}$	1	
$26_{21} = \chi_{28,1}$	1	

Block 34:	$\varphi_{21,1}$	
$26_{15} = \chi_{25,1}$	1	$\varphi_{21,1} = 26_7$
$26_{18} = \chi_{27,0}$	1	
$26_{20} = \chi_{28,0}$	1	