

$L_2(25) \pmod{13}$

	blocks	defect	matrix
$G :$	1	1	8×2
	2	0	$13_1 = \chi_2, \varphi_2$
	3	0	$13_2 = \chi_3, \varphi_3$
	4	0	$26_1 = \chi_{11}, \varphi_5$
	5	0	$26_2 = \chi_{12}, \varphi_6$
	6	0	$26_3 = \chi_{13}, \varphi_7$
	7	0	$26_4 = \chi_{14}, \varphi_8$
	8	0	$26_5 = \chi_{15}, \varphi_9$

	blocks	defect	matrix
$2.G :$	9	1	8×2
	10	0	$26_6 = \chi_{24}, \varphi_{12}$
	11	0	$26_7 = \chi_{25}, \varphi_{13}$
	12	0	$26_8 = \chi_{26}, \varphi_{14}$
	13	0	$26_9 = \chi_{27}, \varphi_{15}$
	14	0	$26_{10} = \chi_{28}, \varphi_{16}$
	15	0	$26_{11} = \chi_{29}, \varphi_{17}$

Block 1:	φ_1	φ_4
$1_1 = \chi_1$	1	.
$24_1 = \chi_4$	.	1
$24_2 = \chi_5$	.	1
$24_3 = \chi_6$	.	1
$24_4 = \chi_7$	.	1
$24_5 = \chi_8$	.	1
$24_6 = \chi_9$	.	1
$25_1 = \chi_{10}$	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_4 &= 24_1 \end{aligned}$$

Block 9:	φ_{10}	φ_{11}
$12_1 = \chi_{16}$	1	.
$12_2 = \chi_{17}$	.	1
$24_7 = \chi_{18}$	1	1
$24_8 = \chi_{19}$	1	1
$24_9 = \chi_{20}$	1	1
$24_{10} = \chi_{21}$	1	1
$24_{11} = \chi_{22}$	1	1
$24_{12} = \chi_{23}$	1	1

$$\begin{aligned} \varphi_{10} &= 12_1 \\ \varphi_{11} &= 12_2 \end{aligned}$$