

## $L_2(25).2_1 \pmod{13}$

	blocks	defect	matrix
$G :$	1	1	$8 \times 2$
	2	1	$8 \times 2$
	3	0	$26_1 = \chi_{2+}, \varphi_{2+}$
	4	0	$26_2 = \chi_{11,0}, \varphi_{5,0}$
	5	0	$26_3 = \chi_{11,1}, \varphi_{5,1}$
	6	0	$26_4 = \chi_{12,0}, \varphi_{6,0}$
	7	0	$26_5 = \chi_{12,1}, \varphi_{6,1}$
	8	0	$26_6 = \chi_{13,0}, \varphi_{7,0}$
	9	0	$26_7 = \chi_{13,1}, \varphi_{7,1}$
	10	0	$26_8 = \chi_{14,0}, \varphi_{8,0}$
	11	0	$26_9 = \chi_{14,1}, \varphi_{8,1}$
	12	0	$26_{10} = \chi_{15,0}, \varphi_{9,0}$
	13	0	$26_{11} = \chi_{15,1}, \varphi_{9,1}$

	blocks	defect	matrix
$2.G :$	14	1	$13 \times 1$
	15	0	$26_{12} = \chi_{24,0}, \varphi_{12,0}$
	16	0	$26_{13} = \chi_{24,1}, \varphi_{12,1}$
	17	0	$26_{14} = \chi_{25,0}, \varphi_{13,0}$
	18	0	$26_{15} = \chi_{25,1}, \varphi_{13,1}$
	19	0	$26_{16} = \chi_{26,0}, \varphi_{14,0}$
	20	0	$26_{17} = \chi_{26,1}, \varphi_{14,1}$
	21	0	$26_{18} = \chi_{27,0}, \varphi_{15,0}$
	22	0	$26_{19} = \chi_{27,1}, \varphi_{15,1}$
	23	0	$26_{20} = \chi_{28,0}, \varphi_{16,0}$
	24	0	$26_{21} = \chi_{28,1}, \varphi_{16,1}$
	25	0	$26_{22} = \chi_{29,0}, \varphi_{17,0}$
	26	0	$26_{23} = \chi_{29,1}, \varphi_{17,1}$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{4,0}$	
$1_1 = \chi_{1,0}$	1	.	$\varphi_{1,0} = 1_1$ $\varphi_{4,0} = 24_1$
$24_2 = \chi_{4,1}$	.	1	
$24_4 = \chi_{5,1}$	.	1	
$24_6 = \chi_{6,1}$	.	1	
$24_8 = \chi_{7,1}$	.	1	
$24_{10} = \chi_{8,1}$	.	1	
$24_{12} = \chi_{9,1}$	.	1	
$25_1 = \chi_{10,0}$	1	1	

<b>Block 2:</b>	$\varphi_{1,1}$	$\varphi_{4,1}$	
$1_2 = \chi_{1,1}$	1	.	$\varphi_{1,1} = 1_2$ $\varphi_{4,1} = 24_2$
$24_1 = \chi_{4,0}$	.	1	
$24_3 = \chi_{5,0}$	.	1	
$24_5 = \chi_{6,0}$	.	1	
$24_7 = \chi_{7,0}$	.	1	
$24_9 = \chi_{8,0}$	.	1	
$24_{11} = \chi_{9,0}$	.	1	
$25_2 = \chi_{10,1}$	1	1	

<b>Block 14:</b>	$\varphi_{10+}$
$24_{13} = \chi_{16+}$	1
$24_{14} = \chi_{18,0}$	1
$24_{15} = \chi_{18,1}$	1
$24_{16} = \chi_{19,0}$	1
$24_{17} = \chi_{19,1}$	1
$24_{18} = \chi_{20,0}$	1
$24_{19} = \chi_{20,1}$	1
$24_{20} = \chi_{21,0}$	1
$24_{21} = \chi_{21,1}$	1
$24_{22} = \chi_{22,0}$	1
$24_{23} = \chi_{22,1}$	1
$24_{24} = \chi_{23,0}$	1
$24_{25} = \chi_{23,1}$	1

$$\varphi_{10+} = 24_3$$