

$L_2(27).2 \pmod{13}$

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

Block 1:	$\varphi_{1,0}$	$\varphi_{10,0}$	
$1_1 = \chi_{1,0}$	1	.	$\varphi_{1,0} = 1_1$ $\varphi_{10,0} = 27_1$
$27_1 = \chi_{10,0}$.	1	
$28_1 = \chi_{11,0}$	1	1	
$28_3 = \chi_{12,0}$	1	1	
$28_5 = \chi_{13,0}$	1	1	
$28_7 = \chi_{14,0}$	1	1	
$28_9 = \chi_{15,0}$	1	1	
$28_{11} = \chi_{16,0}$	1	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{10,1}$	
$1_2 = \chi_{1,1}$	1	.	$\varphi_{1,1} = 1_2$ $\varphi_{10,1} = 27_2$
$27_2 = \chi_{10,1}$.	1	
$28_2 = \chi_{11,1}$	1	1	
$28_4 = \chi_{12,1}$	1	1	
$28_6 = \chi_{13,1}$	1	1	
$28_8 = \chi_{14,1}$	1	1	
$28_{10} = \chi_{15,1}$	1	1	
$28_{12} = \chi_{16,1}$	1	1	

Block 16:	φ_{11+}
$28_{13} = \chi_{17+}$	1
$28_{14} = \chi_{26,0}$	1
$28_{15} = \chi_{26,1}$	1
$28_{16} = \chi_{27,0}$	1
$28_{17} = \chi_{27,1}$	1
$28_{18} = \chi_{28,0}$	1
$28_{19} = \chi_{28,1}$	1
$28_{20} = \chi_{29,0}$	1
$28_{21} = \chi_{29,1}$	1
$28_{22} = \chi_{30,0}$	1
$28_{23} = \chi_{30,1}$	1
$28_{24} = \chi_{31,0}$	1
$28_{25} = \chi_{31,1}$	1

$$\varphi_{11+} = 28_1$$