$L_2(27).2 \quad (\mathbf{mod}\ 7)$

	blocks	defect	matrix
$G:$	1	1	5×2
	2	1	5×2
	3	1	7×1
	4	0	$28_1 = \chi_{11,0}, \varphi_{5,0}$
	5	0	$28_2 = \chi_{11,1}, \varphi_{5,1}$
	6	0	$28_3 = \chi_{12,0}, \varphi_{6,0}$
	7	0	$28_4 = \chi_{12,1}, \varphi_{6,1}$
	8	0	$28_5 = \chi_{13,0}, \varphi_{7,0}$
	9	0	$28_6 = \chi_{13,1}, \varphi_{7,1}$
	10	0	$28_7 = \chi_{14,0}, \varphi_{8,0}$
	11	0	$28_8 = \chi_{14,1}, \varphi_{8,1}$
	12	0	$28_9 = \chi_{15,0}, \varphi_{9,0}$
	13	0	$28_{10} = \chi_{15,1}, \varphi_{9,1}$
	14	0	$28_{11} = \chi_{16,0}, \varphi_{10,0}$
	15	0	$28_{12} = \chi_{16,1}, \varphi_{10,1}$

	blocks	defect	matrix
$2.G:$	16	0	$28_{13} = \chi_{17+}, \varphi_{11+}$
	17	1	7×1
	18	1	7×1
	19	0	$28_{14} = \chi_{26,0}, \varphi_{14,0}$
	20	0	$28_{15} = \chi_{26,1}, \varphi_{14,1}$
	21	0	$28_{16} = \chi_{27,0}, \varphi_{15,0}$
	22	0	$28_{17} = \chi_{27,1}, \varphi_{15,1}$
	23	0	$28_{18} = \chi_{28,0}, \varphi_{16,0}$
	24	0	$28_{19} = \chi_{28,1}, \varphi_{16,1}$
	25	0	$28_{20} = \chi_{29,0}, \varphi_{17,0}$
	26	0	$28_{21} = \chi_{29,1}, \varphi_{17,1}$
	27	0	$28_{22} = \chi_{30,0}, \varphi_{18,0}$
	28	0	$28_{23} = \chi_{30,1}, \varphi_{18,1}$
	29	0	$28_{24} = \chi_{31,0}, \varphi_{19,0}$
	30	0	$28_{25} = \chi_{31,1}, \varphi_{19,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{4,0}$
$1_1 = \chi_{1,0}$	1	.
$26_3 = \chi_{4,1}$	.	1
$26_5 = \chi_{5,1}$	.	1
$26_7 = \chi_{6,1}$	.	1
$27_1 = \chi_{10,0}$	1	1

$\varphi_{1,0} = 1_1$
$\varphi_{4,0} = 26_2$

Block 2:	$\varphi_{1,1}$	$\varphi_{4,1}$
$1_2 = \chi_{1,1}$	1	.
$26_2 = \chi_{4,0}$	.	1
$26_4 = \chi_{5,0}$	.	1
$26_6 = \chi_{6,0}$	.	1
$27_2 = \chi_{10,1}$	1	1

$\varphi_{1,1} = 1_2$
$\varphi_{4,1} = 26_3$

Block 3:	φ_{2+}
$26_1 = \chi_{2+}$	1
$26_8 = \chi_{7,0}$	1
$26_9 = \chi_{7,1}$	1
$26_{10} = \chi_{8,0}$	1
$26_{11} = \chi_{8,1}$	1
$26_{12} = \chi_{9,0}$	1
$26_{13} = \chi_{9,1}$	1

$\varphi_{2+} = 26_1$

Block 17:	$\varphi_{13,0}$
$26_{14} = \chi_{19,0}$	1
$26_{16} = \chi_{20,0}$	1
$26_{18} = \chi_{21,0}$	1
$26_{20} = \chi_{22,0}$	1
$26_{22} = \chi_{23,0}$	1
$26_{24} = \chi_{24,0}$	1
$26_{26} = \chi_{25,0}$	1

$\varphi_{13,0} = 26_4$

Block 18:	$\varphi_{13,1}$
$26_{15} = \chi_{19,1}$	1
$26_{17} = \chi_{20,1}$	1
$26_{19} = \chi_{21,1}$	1
$26_{21} = \chi_{22,1}$	1
$26_{23} = \chi_{23,1}$	1
$26_{25} = \chi_{24,1}$	1
$26_{27} = \chi_{25,1}$	1

$\varphi_{13,1} = 26_5$