$L_2(27).6 \pmod 7$

	blocks	defect	matrix
$G:$	1	1	7×6
	2	1	7×6
	3	1	5×3
	4	0	$84_1 = \chi_{11,0+}, \varphi_{5,0+}$
	5	0	$84_2 = \chi_{11,1+}, \varphi_{5,1+}$
	6	0	$84_3 = \chi_{14,0+}, \varphi_{8,0+}$
	7	0	$84_4 = \chi_{14,1+}, \varphi_{8,1+}$
$2.G:$	8	0	$28_1 = \chi_{17,0+}, \varphi_{11,0+}$
	9	0	$28_2 = \chi_{17,1+}, \varphi_{11,1+}$
	$10 = \overline{9}$	0	$28_3 = \chi_{17,2+}, \varphi_{11,2+}$
	11	1	5×3
	12	1	5×3
	13	0	$84_5 = \chi_{26,0+}, \varphi_{14,0+}$
	14	0	$84_6 = \chi_{26,1+}, \varphi_{14,1+}$
	15	0	$84_7 = \chi_{29,0+}, \varphi_{17,0+}$
	16	0	$84_8 = \chi_{29,1+}, \varphi_{17,1+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,2}$	$\varphi_{1,4}$	$\varphi_{4,0}$	$\varphi_{4,2}$	$\varphi_{4,4}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.
$1_3 = \chi_{1,2}$	.	1	.	.	.	.
$1_5 = \chi_{1,4}$	.	.	1	.	.	.
$78_2 = \chi_{4,1+}$	.	.	.	1	1	1
$27_1 = \chi_{10,0}$	1	.	.	1	.	.
$27_3 = \chi_{10,2}$	.	1	.	.	1	.
$27_5 = \chi_{10,4}$	.	.	1	.	.	1

$\varphi_{1,0} = 1_1$
$\varphi_{1,2} = 1_3$
$\varphi_{1,4} = 1_5$
$\varphi_{4,0} = 26_4$
$\varphi_{4,2} = 26_6$
$\varphi_{4,4} = 26_8$

Block 2:	$\varphi_{1,1}$	$\varphi_{1,3}$	$\varphi_{1,5}$	$\varphi_{4,1}$	$\varphi_{4,3}$	$\varphi_{4,5}$
$1_2 = \chi_{1,1}$	1	.	.	.	.	.
$1_4 = \chi_{1,3}$	.	1	.	.	.	.
$1_6 = \chi_{1,5}$	.	.	1	.	.	.
$78_1 = \chi_{4,0+}$	.	.	.	1	1	1
$27_2 = \chi_{10,1}$	1	.	.	1	.	.
$27_4 = \chi_{10,3}$	.	1	.	.	1	.
$27_6 = \chi_{10,5}$	.	.	1	.	.	1

$\varphi_{1,1} = 1_2$
$\varphi_{1,3} = 1_4$
$\varphi_{1,5} = 1_6$
$\varphi_{4,1} = 26_5$
$\varphi_{4,3} = 26_7$
$\varphi_{4,5} = 26_9$

Block 3:	$\varphi_{2,0+}$	$\varphi_{2,1+}$	$\varphi_{2,2+}$
$26_1 = \chi_{2,0+}$	1	.	.
$26_2 = \chi_{2,1+}$	.	1	.
$26_3 = \chi_{2,2+}$	.	.	1
$78_3 = \chi_{7,0+}$	1	1	1
$78_4 = \chi_{7,1+}$	1	1	1

$\varphi_{2,0+} = 26_1$
$\varphi_{2,1+} = 26_2$
$\varphi_{2,2+} = 26_3$

Block 11:	$\varphi_{13,0}$	$\varphi_{13,2}$	$\varphi_{13,4}$
$26_4 = \chi_{19,0}$	1	.	.
$26_6 = \chi_{19,2}$	.	1	.
$26_8 = \chi_{19,4}$	.	.	1
$78_5 = \chi_{20,0+}$	1	1	1
$78_7 = \chi_{23,0+}$	1	1	1

$\varphi_{13,0} = 26_{10}$
$\varphi_{13,2} = 26_{12}$
$\varphi_{13,4} = 26_{14}$

Block 12:	$\varphi_{13,1}$	$\varphi_{13,3}$	$\varphi_{13,5}$
$26_5 = \chi_{19,1}$	1	.	.
$26_7 = \chi_{19,3}$	.	1	.
$26_9 = \chi_{19,5}$	.	.	1
$78_6 = \chi_{20,1+}$	1	1	1
$78_8 = \chi_{23,1+}$	1	1	1

$\varphi_{13,1} = 26_{11}$
$\varphi_{13,3} = 26_{13}$
$\varphi_{13,5} = 26_{15}$