

$L_2(27).3 \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	7×6
	2	1	7×6
	3	0	$84_1 = \chi_{11+}, \varphi_{5+}$
	4	0	$84_2 = \chi_{14+}, \varphi_{8+}$
$2.G :$	5	0	$14_1 = \chi_{17,0}, \varphi_{11,0}$
	6	0	$14_2 = \chi_{17,1}, \varphi_{11,1}$
	7	0	$14_3 = \chi_{17,2}, \varphi_{11,2}$

	blocks	defect	matrix
	$8 = \bar{5}$	0	$14_4 = \chi_{18,0}, \varphi_{12,0}$
	$9 = \bar{7}$	0	$14_5 = \chi_{18,1}, \varphi_{12,1}$
	$10 = \bar{6}$	0	$14_6 = \chi_{18,2}, \varphi_{12,2}$
	11	1	5×3
	12	0	$84_3 = \chi_{26+}, \varphi_{14+}$
	13	0	$84_4 = \chi_{29+}, \varphi_{17+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{4,2}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	$\varphi_{1,0} = 1_1$
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	$\varphi_{1,1} = 1_2$
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	$\varphi_{1,2} = 1_3$
$78_1 = \chi_{4+}$	.	.	.	1	1	1	$\varphi_{4,0} = 26_1$
$27_1 = \chi_{10,0}$	1	.	.	1	.	.	$\varphi_{4,1} = 26_2$
$27_2 = \chi_{10,1}$	.	1	.	.	1	.	$\varphi_{4,2} = 26_3$
$27_3 = \chi_{10,2}$	.	.	1	.	.	1	

Block 2:	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{2,2}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{3,2}$	
$13_1 = \chi_{2,0}$	1	.	.	.	.	.	$\varphi_{2,0} = 13_1$
$13_2 = \chi_{2,1}$	.	1	.	.	.	.	$\varphi_{2,1} = 13_2$
$13_3 = \chi_{2,2}$	.	.	1	.	.	.	$\varphi_{2,2} = 13_3$
$13_4 = \chi_{3,0}$	.	.	.	1	.	.	$\varphi_{3,0} = 13_4$
$13_5 = \chi_{3,1}$	.	.	.	.	1	.	$\varphi_{3,1} = 13_5$
$13_6 = \chi_{3,2}$	.	.	.	.	.	1	$\varphi_{3,2} = 13_6$
$78_2 = \chi_{7+}$	1	1	1	1	1	1	

Block 11:	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{13,2}$	
$26_1 = \chi_{19,0}$	1	.	.	$\varphi_{13,0} = 26_4$
$26_2 = \chi_{19,1}$	.	1	.	$\varphi_{13,1} = 26_5$
$26_3 = \chi_{19,2}$	.	.	1	$\varphi_{13,2} = 26_6$
$78_3 = \chi_{20+}$	1	1	1	
$78_4 = \chi_{23+}$	1	1	1	