$L_2(27)$ (mod 7)

	blocks	defect	matrix
$G:$	1	1	5×2
	2	1	5×2
	3	0	$28_1 = \chi_{11}, \varphi_5$
	4	0	$28_2 = \chi_{12}, \varphi_6$
	5	0	$28_3 = \chi_{13}, \varphi_7$
	6	0	$28_4 = \chi_{14}, \varphi_8$
	7	0	$28_5 = \chi_{15}, \varphi_9$
	8	0	$28_6 = \chi_{16}, \varphi_{10}$
$2.G:$	9	0	$14_1 = \chi_{17}, \varphi_{11}$

	blocks	defect	matrix
	$10 = \overline{9}$	0	$14_2 = \chi_{18}, \varphi_{12}$
	11	1	7×1
	12	0	$28_7 = \chi_{26}, \varphi_{14}$
	13	0	$28_8 = \chi_{27}, \varphi_{15}$
	14	0	$28_9 = \chi_{28}, \varphi_{16}$
	15	0	$28_{10} = \chi_{29}, \varphi_{17}$
	16	0	$28_{11} = \chi_{30}, \varphi_{18}$
	17	0	$28_{12} = \chi_{31}, \varphi_{19}$

Block 1:	φ_1	φ_4
$1_1 = \chi_1$	1	.
$26_1 = \chi_4$	.	1
$26_2 = \chi_5$	.	1
$26_3 = \chi_6$	.	1
$27_1 = \chi_{10}$	1	1

$\varphi_1 = 1_1$
$\varphi_4 = 26_1$

Block 2:	φ_2	φ_3
$13_1 = \chi_2$	1	.
$13_2 = \chi_3$	.	1
$26_4 = \chi_7$	1	1
$26_5 = \chi_8$	1	1
$26_6 = \chi_9$	1	1

$\varphi_2 = 13_1$
$\varphi_3 = 13_2$

Block 11:	φ_{13}
$26_7 = \chi_{19}$	1
$26_8 = \chi_{20}$	1
$26_9 = \chi_{21}$	1
$26_{10} = \chi_{22}$	1
$26_{11} = \chi_{23}$	1
$26_{12} = \chi_{24}$	1
$26_{13} = \chi_{25}$	1

$\varphi_{13} = 26_2$