$L_2(27) \pmod{13}$

	blocks	defect	matrix
$G:$	1	1	8×2
	2	0	$13_1 = \chi_2, \varphi_2$
	$3 = \overline{2}$	0	$13_2 = \chi_3, \varphi_3$
	4	0	$26_1 = \chi_4, \varphi_4$
	5	0	$26_2 = \chi_5, \varphi_5$
	6	0	$26_3 = \chi_6, \varphi_6$
	7	0	$26_4 = \chi_7, \varphi_7$
	8	0	$26_5 = \chi_8, \varphi_8$
	9	0	$26_6 = \chi_9, \varphi_9$

	blocks	defect	matrix
$2.G:$	10	1	8×2
	11	0	$26_7 = \chi_{19}, \varphi_{13}$
	12	0	$26_8 = \chi_{20}, \varphi_{14}$
	13	0	$26_9 = \chi_{21}, \varphi_{15}$
	14	0	$26_{10} = \chi_{22}, \varphi_{16}$
	15	0	$26_{11} = \chi_{23}, \varphi_{17}$
	16	0	$26_{12} = \chi_{24}, \varphi_{18}$
	17	0	$26_{13} = \chi_{25}, \varphi_{19}$

Block 1:	φ_1	φ_{10}
$1_1 = \chi_1$	1	.
$27_1 = \chi_{10}$	.	1
$28_1 = \chi_{11}$	1	1
$28_2 = \chi_{12}$	1	1
$28_3 = \chi_{13}$	1	1
$28_4 = \chi_{14}$	1	1
$28_5 = \chi_{15}$	1	1
$28_6 = \chi_{16}$	1	1

$$\varphi_1 = 1_1$$
$$\varphi_{10} = 27_1$$

Block 10:	φ_{11}	φ_{12}
$14_1 = \chi_{17}$	1	.
$14_2 = \chi_{18}$	.	1
$28_7 = \chi_{26}$	1	1
$28_8 = \chi_{27}$	1	1
$28_9 = \chi_{28}$	1	1
$28_{10} = \chi_{29}$	1	1
$28_{11} = \chi_{30}$	1	1
$28_{12} = \chi_{31}$	1	1

$$\varphi_{11} = 14_1$$
$$\varphi_{12} = 14_2$$