

$L_2(27) \pmod{2}$

	blocks	defect	matrix		blocks	defect	matrix
2.G :	1	3	7×3		6	1	2×1
	2	2	4×1		7	1	2×1
	3	2	4×1		8	1	2×1
	4	2	4×1		9	1	2×1
	5	1	2×1		10	1	2×1

Block 1:	φ_1	φ_2	φ_3	
$1_1 = \chi_1$	1	.	.	$\varphi_1 = 1_1$ $\varphi_2 = 13_1$ $\varphi_3 = 13_2$
$13_1 = \chi_2$	.	1	.	
$13_2 = \chi_3$	.	.	1	
$27_1 = \chi_{10}$	1	1	1	
$14_1 = \chi_{17}$	1	.	1	
$14_2 = \chi_{18}$	1	1	.	
$26_7 = \chi_{19}$	.	1	1	

Block 2:	φ_4	
$26_1 = \chi_4$	1	$\varphi_4 = 26_1$
$26_4 = \chi_7$	1	
$26_8 = \chi_{20}$	1	
$26_{11} = \chi_{23}$	1	

Block 3:	φ_5	
$26_2 = \chi_5$	1	$\varphi_5 = 26_2$
$26_5 = \chi_8$	1	
$26_9 = \chi_{21}$	1	
$26_{12} = \chi_{24}$	1	

Block 4:	φ_6
$26_3 = \chi_6$	1
$26_6 = \chi_9$	1
$26_{10} = \chi_{22}$	1
$26_{13} = \chi_{25}$	1

$$\varphi_6 = 26_3$$

Block 5:	φ_7
$28_1 = \chi_{11}$	1
$28_7 = \chi_{26}$	1

$$\varphi_7 = 28_1$$

Block 6:	φ_8
$28_2 = \chi_{12}$	1
$28_8 = \chi_{27}$	1

$$\varphi_8 = 28_2$$

Block 7:	φ_9
$28_3 = \chi_{13}$	1
$28_9 = \chi_{28}$	1

$$\varphi_9 = 28_3$$

Block 8:	φ_{10}
$28_4 = \chi_{14}$	1
$28_{10} = \chi_{29}$	1

$$\varphi_{10} = 28_4$$

Block 9:	φ_{11}
$28_5 = \chi_{15}$	1
$28_{11} = \chi_{30}$	1

$$\varphi_{11} = 28_5$$

Block 10:	φ_{12}
$28_6 = \chi_{16}$	1
$28_{12} = \chi_{31}$	1

$$\varphi_{12} = 28_6$$