

$L_2(27).2 \pmod{2}$

	blocks	defect	matrix
$2.G :$	1	4	8×2
	2	3	8×1
	3	3	8×1
	4	3	8×1
	5	2	4×1

	blocks	defect	matrix
	6	2	4×1
	7	2	4×1
	8	2	4×1
	9	2	4×1
	10	2	4×1

Block 1:	$\varphi_{1,0}$	φ_{2+}
$1_1 = \chi_{1,0}$	1	.
$1_2 = \chi_{1,1}$	1	.
$26_1 = \chi_{2+}$.	1
$27_1 = \chi_{10,0}$	1	1
$27_2 = \chi_{10,1}$	1	1
$28_{13} = \chi_{17+}$	2	1
$26_{14} = \chi_{19,0}$.	1
$26_{15} = \chi_{19,1}$.	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{2+} &= 26_1 \end{aligned}$$

Block 2:	$\varphi_{4,0}$
$26_2 = \chi_{4,0}$	1
$26_3 = \chi_{4,1}$	1
$26_8 = \chi_{7,0}$	1
$26_9 = \chi_{7,1}$	1
$26_{16} = \chi_{20,0}$	1
$26_{17} = \chi_{20,1}$	1
$26_{22} = \chi_{23,0}$	1
$26_{23} = \chi_{23,1}$	1

$$\varphi_{4,0} = 26_2$$

Block 3:	$\varphi_{5,0}$	
$26_4 = \chi_{5,0}$	1	$\varphi_{5,0} = 26_3$
$26_5 = \chi_{5,1}$	1	
$26_{10} = \chi_{8,0}$	1	
$26_{11} = \chi_{8,1}$	1	
$26_{18} = \chi_{21,0}$	1	
$26_{19} = \chi_{21,1}$	1	
$26_{24} = \chi_{24,0}$	1	
$26_{25} = \chi_{24,1}$	1	

Block 4:	$\varphi_{6,0}$	
$26_6 = \chi_{6,0}$	1	$\varphi_{6,0} = 26_4$
$26_7 = \chi_{6,1}$	1	
$26_{12} = \chi_{9,0}$	1	
$26_{13} = \chi_{9,1}$	1	
$26_{20} = \chi_{22,0}$	1	
$26_{21} = \chi_{22,1}$	1	
$26_{26} = \chi_{25,0}$	1	
$26_{27} = \chi_{25,1}$	1	

Block 5:	$\varphi_{7,0}$	
$28_1 = \chi_{11,0}$	1	$\varphi_{7,0} = 28_1$
$28_2 = \chi_{11,1}$	1	
$28_{14} = \chi_{26,0}$	1	
$28_{15} = \chi_{26,1}$	1	

Block 6:	$\varphi_{8,0}$	
$28_3 = \chi_{12,0}$	1	$\varphi_{8,0} = 28_2$
$28_4 = \chi_{12,1}$	1	
$28_{16} = \chi_{27,0}$	1	
$28_{17} = \chi_{27,1}$	1	

Block 7:	$\varphi_{9,0}$
$28_5 = \chi_{13,0}$	1
$28_6 = \chi_{13,1}$	1
$28_{18} = \chi_{28,0}$	1
$28_{19} = \chi_{28,1}$	1

$$\varphi_{9,0} = 28_3$$

Block 8:	$\varphi_{10,0}$
$28_7 = \chi_{14,0}$	1
$28_8 = \chi_{14,1}$	1
$28_{20} = \chi_{29,0}$	1
$28_{21} = \chi_{29,1}$	1

$$\varphi_{10,0} = 28_4$$

Block 9:	$\varphi_{11,0}$
$28_9 = \chi_{15,0}$	1
$28_{10} = \chi_{15,1}$	1
$28_{22} = \chi_{30,0}$	1
$28_{23} = \chi_{30,1}$	1

$$\varphi_{11,0} = 28_5$$

Block 10:	$\varphi_{12,0}$
$28_{11} = \chi_{16,0}$	1
$28_{12} = \chi_{16,1}$	1
$28_{24} = \chi_{31,0}$	1
$28_{25} = \chi_{31,1}$	1

$$\varphi_{12,0} = 28_6$$