

## $L_2(25).2_1 \pmod{2}$

	blocks	defect	matrix
$2.G :$	1	5	$12 \times 2$
	2	2	$4 \times 1$
	3	2	$4 \times 1$
	4	2	$4 \times 1$
	5	2	$4 \times 1$
	6	2	$4 \times 1$
	7	2	$4 \times 1$
	8	4	$16 \times 1$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{2+}$	
$1_1 = \chi_{1,0}$	1	.	
$1_2 = \chi_{1,1}$	1	.	
$26_1 = \chi_{2+}$	2	1	
$25_1 = \chi_{10,0}$	1	1	
$25_2 = \chi_{10,1}$	1	1	
$26_4 = \chi_{12,0}$	2	1	$\varphi_{1,0} = 1_1$ $\varphi_{2+} = 24_1$
$26_5 = \chi_{12,1}$	2	1	
$24_{13} = \chi_{16+}$	.	1	
$26_{12} = \chi_{24,0}$	2	1	
$26_{13} = \chi_{24,1}$	2	1	
$26_{14} = \chi_{25,0}$	2	1	
$26_{15} = \chi_{25,1}$	2	1	

<b>Block 2:</b>	$\varphi_{4,0}$	
$24_1 = \chi_{4,0}$	1	
$24_2 = \chi_{4,1}$	1	$\varphi_{4,0} = 24_2$
$24_{14} = \chi_{18,0}$	1	
$24_{15} = \chi_{18,1}$	1	

<b>Block 3:</b>	$\varphi_{5,0}$	
$24_3 = \chi_{5,0}$	1	
$24_4 = \chi_{5,1}$	1	$\varphi_{5,0} = 24_3$
$24_{16} = \chi_{19,0}$	1	
$24_{17} = \chi_{19,1}$	1	

<b>Block 4:</b>	$\varphi_{6,0}$	
$24_5 = \chi_{6,0}$	1	$\varphi_{6,0} = 24_4$
$24_6 = \chi_{6,1}$	1	
$24_{18} = \chi_{20,0}$	1	
$24_{19} = \chi_{20,1}$	1	

<b>Block 5:</b>	$\varphi_{7,0}$	
$24_7 = \chi_{7,0}$	1	$\varphi_{7,0} = 24_5$
$24_8 = \chi_{7,1}$	1	
$24_{20} = \chi_{21,0}$	1	
$24_{21} = \chi_{21,1}$	1	

<b>Block 6:</b>	$\varphi_{8,0}$	
$24_9 = \chi_{8,0}$	1	$\varphi_{8,0} = 24_6$
$24_{10} = \chi_{8,1}$	1	
$24_{22} = \chi_{22,0}$	1	
$24_{23} = \chi_{22,1}$	1	

<b>Block 7:</b>	$\varphi_{9,0}$	
$24_{11} = \chi_{9,0}$	1	$\varphi_{9,0} = 24_7$
$24_{12} = \chi_{9,1}$	1	
$24_{24} = \chi_{23,0}$	1	
$24_{25} = \chi_{23,1}$	1	

<b>Block 8:</b>	$\varphi_{10,0}$
$26_2 = \chi_{11,0}$	1
$26_3 = \chi_{11,1}$	1
$26_6 = \chi_{13,0}$	1
$26_7 = \chi_{13,1}$	1
$26_8 = \chi_{14,0}$	1
$26_9 = \chi_{14,1}$	1
$26_{10} = \chi_{15,0}$	1
$26_{11} = \chi_{15,1}$	1
$26_{16} = \chi_{26,0}$	1
$26_{17} = \chi_{26,1}$	1
$26_{18} = \chi_{27,0}$	1
$26_{19} = \chi_{27,1}$	1
$26_{20} = \chi_{28,0}$	1
$26_{21} = \chi_{28,1}$	1
$26_{22} = \chi_{29,0}$	1
$26_{23} = \chi_{29,1}$	1

$$\varphi_{10,0} = 26_1$$