

$L_2(29).2 \pmod{2}$

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

	blocks	defect	matrix
	7	2	$4 \times 1$
	8	2	$4 \times 1$
	9	3	$8 \times 1$
	10	3	$8 \times 1$
	11	3	$8 \times 1$

Block 1:	$\varphi_{1,0}$	$\varphi_{2+}$	
$1_1 = \chi_{1,0}$	1	.	$\varphi_{1,0} = 1_1$ $\varphi_{2+} = 28_1$
$1_2 = \chi_{1,1}$	1	.	
$30_1 = \chi_{2+}$	2	1	
$29_1 = \chi_{11,0}$	1	1	
$29_2 = \chi_{11,1}$	1	1	
$28_{15} = \chi_{18+}$	.	1	
$30_{14} = \chi_{27,0}$	2	1	
$30_{15} = \chi_{27,1}$	2	1	

Block 2:	$\varphi_{4,0}$	
$28_1 = \chi_{4,0}$	1	$\varphi_{4,0} = 28_2$
$28_2 = \chi_{4,1}$	1	
$28_{16} = \chi_{20,0}$	1	
$28_{17} = \chi_{20,1}$	1	

Block 3:	$\varphi_{5,0}$	
$28_3 = \chi_{5,0}$	1	$\varphi_{5,0} = 28_3$
$28_4 = \chi_{5,1}$	1	
$28_{18} = \chi_{21,0}$	1	
$28_{19} = \chi_{21,1}$	1	

<b>Block 4:</b>	$\varphi_{6,0}$	
$28_5 = \chi_{6,0}$	1	$\varphi_{6,0} = 28_4$
$28_6 = \chi_{6,1}$	1	
$28_{20} = \chi_{22,0}$	1	
$28_{21} = \chi_{22,1}$	1	

<b>Block 5:</b>	$\varphi_{7,0}$	
$28_7 = \chi_{7,0}$	1	$\varphi_{7,0} = 28_5$
$28_8 = \chi_{7,1}$	1	
$28_{22} = \chi_{23,0}$	1	
$28_{23} = \chi_{23,1}$	1	

<b>Block 6:</b>	$\varphi_{8,0}$	
$28_9 = \chi_{8,0}$	1	$\varphi_{8,0} = 28_6$
$28_{10} = \chi_{8,1}$	1	
$28_{24} = \chi_{24,0}$	1	
$28_{25} = \chi_{24,1}$	1	

<b>Block 7:</b>	$\varphi_{9,0}$	
$28_{11} = \chi_{9,0}$	1	$\varphi_{9,0} = 28_7$
$28_{12} = \chi_{9,1}$	1	
$28_{26} = \chi_{25,0}$	1	
$28_{27} = \chi_{25,1}$	1	

<b>Block 8:</b>	$\varphi_{10,0}$	
$28_{13} = \chi_{10,0}$	1	$\varphi_{10,0} = 28_8$
$28_{14} = \chi_{10,1}$	1	
$28_{28} = \chi_{26,0}$	1	
$28_{29} = \chi_{26,1}$	1	

Block 9:	$\varphi_{11,0}$	
$30_2 = \chi_{12,0}$	1	
$30_3 = \chi_{12,1}$	1	
$30_8 = \chi_{15,0}$	1	
$30_9 = \chi_{15,1}$	1	$\varphi_{11,0} = 30_1$
$30_{16} = \chi_{28,0}$	1	
$30_{17} = \chi_{28,1}$	1	
$30_{22} = \chi_{31,0}$	1	
$30_{23} = \chi_{31,1}$	1	

Block 10:	$\varphi_{12,0}$	
$30_4 = \chi_{13,0}$	1	
$30_5 = \chi_{13,1}$	1	
$30_{10} = \chi_{16,0}$	1	
$30_{11} = \chi_{16,1}$	1	$\varphi_{12,0} = 30_2$
$30_{18} = \chi_{29,0}$	1	
$30_{19} = \chi_{29,1}$	1	
$30_{24} = \chi_{32,0}$	1	
$30_{25} = \chi_{32,1}$	1	

Block 11:	$\varphi_{13,0}$	
$30_6 = \chi_{14,0}$	1	
$30_7 = \chi_{14,1}$	1	
$30_{12} = \chi_{17,0}$	1	
$30_{13} = \chi_{17,1}$	1	$\varphi_{13,0} = 30_3$
$30_{20} = \chi_{30,0}$	1	
$30_{21} = \chi_{30,1}$	1	
$30_{26} = \chi_{33,0}$	1	
$30_{27} = \chi_{33,1}$	1	