

# $L_2(49).2_1 \pmod{3}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	$3 \times 2$	$2.G :$	34	0	$48_{25} = \chi_{28+}, \varphi_{20+}$
	2	1	$3 \times 2$		35	0	$48_{26} = \chi_{30,0}, \varphi_{22,0}$
	3	1	$3 \times 1$		36	0	$48_{27} = \chi_{30,1}, \varphi_{22,1}$
	4	0	$48_1 = \chi_{4,0}, \varphi_{4,0}$		37	0	$48_{28} = \chi_{31,1}, \varphi_{23,0}$
	5	0	$48_2 = \chi_{4,1}, \varphi_{4,1}$		38	0	$48_{29} = \chi_{31,1}, \varphi_{23,1}$
	6	0	$48_3 = \chi_{5,0}, \varphi_{5,0}$		39	0	$48_{30} = \chi_{32,0}, \varphi_{24,0}$
	7	0	$48_4 = \chi_{5,1}, \varphi_{5,1}$		40	0	$48_{31} = \chi_{32,1}, \varphi_{24,1}$
	8	0	$48_5 = \chi_{6,0}, \varphi_{6,0}$		41	0	$48_{32} = \chi_{33,0}, \varphi_{25,0}$
	9	0	$48_6 = \chi_{6,1}, \varphi_{6,1}$		42	0	$48_{33} = \chi_{33,1}, \varphi_{25,1}$
	10	0	$48_7 = \chi_{7,0}, \varphi_{7,0}$		43	0	$48_{34} = \chi_{34,0}, \varphi_{26,0}$
	11	0	$48_8 = \chi_{7,1}, \varphi_{7,1}$		44	0	$48_{35} = \chi_{34,1}, \varphi_{26,1}$
	12	0	$48_9 = \chi_{8,0}, \varphi_{8,0}$		45	0	$48_{36} = \chi_{35,0}, \varphi_{27,0}$
	13	0	$48_{10} = \chi_{8,1}, \varphi_{8,1}$		46	0	$48_{37} = \chi_{35,1}, \varphi_{27,1}$
	14	0	$48_{11} = \chi_{9,0}, \varphi_{9,0}$		47	0	$48_{38} = \chi_{36,0}, \varphi_{28,0}$
	15	0	$48_{12} = \chi_{9,1}, \varphi_{9,1}$		48	0	$48_{39} = \chi_{36,1}, \varphi_{28,1}$
	16	0	$48_{13} = \chi_{10,0}, \varphi_{10,0}$		49	0	$48_{40} = \chi_{37,0}, \varphi_{29,0}$
	17	0	$48_{14} = \chi_{10,1}, \varphi_{10,1}$		50	0	$48_{41} = \chi_{37,1}, \varphi_{29,1}$
	18	0	$48_{15} = \chi_{11,0}, \varphi_{11,0}$		51	0	$48_{42} = \chi_{38,0}, \varphi_{30,0}$
	19	0	$48_{16} = \chi_{11,1}, \varphi_{11,1}$		52	0	$48_{43} = \chi_{38,1}, \varphi_{30,1}$
	20	0	$48_{17} = \chi_{12,0}, \varphi_{12,0}$		53	0	$48_{44} = \chi_{39,0}, \varphi_{31,0}$
	21	0	$48_{18} = \chi_{12,1}, \varphi_{12,1}$		54	0	$48_{45} = \chi_{39,1}, \varphi_{31,1}$
	22	0	$48_{19} = \chi_{13,0}, \varphi_{13,0}$		55	0	$48_{46} = \chi_{40,0}, \varphi_{32,0}$
	23	0	$48_{20} = \chi_{13,1}, \varphi_{13,1}$		56	0	$48_{47} = \chi_{40,1}, \varphi_{32,1}$
	24	0	$48_{21} = \chi_{14,0}, \varphi_{14,0}$		57	0	$48_{48} = \chi_{41,0}, \varphi_{33,0}$
	25	0	$48_{22} = \chi_{14,1}, \varphi_{14,1}$		58	0	$48_{49} = \chi_{41,1}, \varphi_{33,1}$
	26	0	$48_{23} = \chi_{15,0}, \varphi_{15,0}$		59	1	$3 \times 1$
	27	0	$48_{24} = \chi_{15,1}, \varphi_{15,1}$		60	1	$3 \times 1$
	28	1	$3 \times 1$		61	1	$3 \times 1$
	29	1	$3 \times 1$		62	1	$3 \times 1$
	30	1	$3 \times 1$		63	1	$3 \times 1$
	31	1	$3 \times 1$		64	1	$3 \times 1$
	32	1	$3 \times 1$		65	1	$3 \times 1$
	33	1	$3 \times 1$		66	1	$3 \times 1$

Block 1:	$\varphi_{1,0}$	$\varphi_{16,0}$
$1_1 = \chi_{1,0}$	1	.
$49_1 = \chi_{16,0}$	.	1
$50_2 = \chi_{17,0}$	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{16,0} &= 49_1 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{16,1}$	
$1_2 = \chi_{1,1}$	1	.	$\varphi_{1,1} = 1_2$
$49_2 = \chi_{16,1}$	.	1	$\varphi_{16,1} = 49_2$
$50_3 = \chi_{17,1}$	1	1	

Block 3:	$\varphi_{2+}$	
$50_1 = \chi_{2+}$	1	$\varphi_{2+} = 50_1$
$50_6 = \chi_{19,0}$	1	
$50_7 = \chi_{19,1}$	1	

Block 28:	$\varphi_{17,0}$	
$50_4 = \chi_{18,0}$	1	$\varphi_{17,0} = 50_2$
$50_{13} = \chi_{22,1}$	1	
$50_{15} = \chi_{23,1}$	1	

Block 29:	$\varphi_{17,1}$	
$50_5 = \chi_{18,1}$	1	$\varphi_{17,1} = 50_3$
$50_{12} = \chi_{22,0}$	1	
$50_{14} = \chi_{23,0}$	1	

Block 30:	$\varphi_{19,0}$	
$50_8 = \chi_{20,0}$	1	$\varphi_{19,0} = 50_6$
$50_{20} = \chi_{26,0}$	1	
$50_{23} = \chi_{27,1}$	1	

Block 31:	$\varphi_{19,1}$	
$50_9 = \chi_{20,1}$	1	$\varphi_{19,1} = 50_7$
$50_{21} = \chi_{26,1}$	1	
$50_{22} = \chi_{27,0}$	1	

Block 32:	$\varphi_{18,0}$	
$50_{10} = \chi_{21,0}$	1	$\varphi_{18,0} = 50_4$
$50_{16} = \chi_{24,0}$	1	
$50_{19} = \chi_{25,1}$	1	

Block 33:	$\varphi_{18,1}$	
$50_{11} = \chi_{21,1}$	1	$\varphi_{18,1} = 50_5$
$50_{17} = \chi_{24,1}$	1	
$50_{18} = \chi_{25,0}$	1	

Block 59:	$\varphi_{34,0}$	
$50_{24} = \chi_{42,0}$	1	$\varphi_{34,0} = 50_8$
$50_{32} = \chi_{46,0}$	1	
$50_{43} = \chi_{51,1}$	1	

Block 60:	$\varphi_{34,1}$	
$50_{25} = \chi_{42,1}$	1	$\varphi_{34,1} = 50_9$
$50_{33} = \chi_{46,1}$	1	
$50_{42} = \chi_{51,0}$	1	

Block 61:	$\varphi_{35,0}$	
$50_{26} = \chi_{43,0}$	1	$\varphi_{35,0} = 50_{10}$
$50_{34} = \chi_{47,0}$	1	
$50_{40} = \chi_{50,0}$	1	

Block 62:	$\varphi_{35,1}$	
$50_{27} = \chi_{43,1}$	1	$\varphi_{35,1} = 50_{11}$
$50_{35} = \chi_{47,1}$	1	
$50_{41} = \chi_{50,1}$	1	

Block 63:	$\varphi_{36,0}$	
$50_{28} = \chi_{44,0}$	1	$\varphi_{36,0} = 50_{12}$
$50_{36} = \chi_{48,0}$	1	
$50_{47} = \chi_{53,1}$	1	

Block 64:	$\varphi_{36,1}$	
$50_{29} = \chi_{44,1}$	1	$\varphi_{36,1} = 50_{13}$
$50_{37} = \chi_{48,1}$	1	
$50_{46} = \chi_{53,0}$	1	

Block 65:	$\varphi_{37,0}$	
$50_{30} = \chi_{45,0}$	1	$\varphi_{37,0} = 50_{14}$
$50_{38} = \chi_{49,0}$	1	
$50_{44} = \chi_{52,0}$	1	

Block 66:	$\varphi_{37,1}$	
$50_{31} = \chi_{45,1}$	1	$\varphi_{37,1} = 50_{15}$
$50_{39} = \chi_{49,1}$	1	
$50_{45} = \chi_{52,1}$	1	