

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

	blocks	defect	matrix
$2.G :$	1	6	20×2
	2	2	4×1
	3	2	4×1
	4	2	4×1
	5	2	4×1
	6	2	4×1
	7	2	4×1

	blocks	defect	matrix
	8	2	4×1
	9	2	4×1
	10	2	4×1
	11	2	4×1
	12	2	4×1
	13	2	4×1
	14	5	32×1

Block 1:	$\varphi_{1,0}$	φ_{2+}
$1_1 = \chi_{1,0}$	1	.
$1_2 = \chi_{1,1}$	1	.
$50_1 = \chi_{2+}$	2	1
$49_1 = \chi_{16,0}$	1	1
$49_2 = \chi_{16,1}$	1	1
$50_4 = \chi_{18,0}$	2	1
$50_5 = \chi_{18,1}$	2	1
$50_8 = \chi_{20,0}$	2	1
$50_9 = \chi_{20,1}$	2	1
$50_{10} = \chi_{21,0}$	2	1
$50_{11} = \chi_{21,1}$	2	1
$48_{25} = \chi_{28+}$.	1
$50_{24} = \chi_{42,0}$	2	1
$50_{25} = \chi_{42,1}$	2	1
$50_{26} = \chi_{43,0}$	2	1
$50_{27} = \chi_{43,1}$	2	1
$50_{28} = \chi_{44,0}$	2	1
$50_{29} = \chi_{44,1}$	2	1
$50_{30} = \chi_{45,0}$	2	1
$50_{31} = \chi_{45,1}$	2	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{2+} &= 48_1 \end{aligned}$$

Block 2:	$\varphi_{4,0}$
$48_1 = \chi_{4,0}$	1
$48_2 = \chi_{4,1}$	1
$48_{26} = \chi_{30,0}$	1
$48_{27} = \chi_{30,1}$	1

$$\varphi_{4,0} = 48_2$$

Block 3:	$\varphi_{5,0}$
$48_3 = \chi_{5,0}$	1
$48_4 = \chi_{5,1}$	1
$48_{28} = \chi_{31,0}$	1
$48_{29} = \chi_{31,1}$	1

$$\varphi_{5,0} = 48_3$$

Block 4:	$\varphi_{6,0}$
$48_5 = \chi_{6,0}$	1
$48_6 = \chi_{6,1}$	1
$48_{30} = \chi_{32,0}$	1
$48_{31} = \chi_{32,1}$	1

$$\varphi_{6,0} = 48_4$$

Block 5:	$\varphi_{7,0}$
$48_7 = \chi_{7,0}$	1
$48_8 = \chi_{7,1}$	1
$48_{32} = \chi_{33,0}$	1
$48_{33} = \chi_{33,1}$	1

$$\varphi_{7,0} = 48_5$$

Block 6:	$\varphi_{8,0}$
$48_9 = \chi_{8,0}$	1
$48_{10} = \chi_{8,1}$	1
$48_{34} = \chi_{34,0}$	1
$48_{35} = \chi_{34,1}$	1

$$\varphi_{8,0} = 48_6$$

Block 7:	$\varphi_{9,0}$
$48_{11} = \chi_{9,0}$	1
$48_{12} = \chi_{9,1}$	1
$48_{36} = \chi_{35,0}$	1
$48_{37} = \chi_{35,1}$	1

$$\varphi_{9,0} = 48_7$$

Block 8:	$\varphi_{10,0}$
$48_{13} = \chi_{10,0}$	1
$48_{14} = \chi_{10,1}$	1
$48_{38} = \chi_{36,0}$	1
$48_{39} = \chi_{36,1}$	1

$$\varphi_{10,0} = 48_8$$

Block 9:	$\varphi_{11,0}$
$48_{15} = \chi_{11,0}$	1
$48_{16} = \chi_{11,1}$	1
$48_{40} = \chi_{37,0}$	1
$48_{41} = \chi_{37,1}$	1

$$\varphi_{11,0} = 48_9$$

Block 10:	$\varphi_{12,0}$
$48_{17} = \chi_{12,0}$	1
$48_{18} = \chi_{12,1}$	1
$48_{42} = \chi_{38,0}$	1
$48_{43} = \chi_{38,1}$	1

$$\varphi_{12,0} = 48_{10}$$

Block 11:	$\varphi_{13,0}$
$48_{19} = \chi_{13,0}$	1
$48_{20} = \chi_{13,1}$	1
$48_{44} = \chi_{39,0}$	1
$48_{45} = \chi_{39,1}$	1

$$\varphi_{13,0} = 48_{11}$$

Block 12:	$\varphi_{14,0}$
$48_{21} = \chi_{14,0}$	1
$48_{22} = \chi_{14,1}$	1
$48_{46} = \chi_{40,0}$	1
$48_{47} = \chi_{40,1}$	1

$$\varphi_{14,0} = 48_{12}$$

Block 13:	$\varphi_{15,0}$
$48_{23} = \chi_{15,0}$	1
$48_{24} = \chi_{15,1}$	1
$48_{48} = \chi_{41,0}$	1
$48_{49} = \chi_{41,1}$	1

$$\varphi_{15,0} = 48_{13}$$

Block 14:	$\varphi_{16,0}$
$50_2 = \chi_{17,0}$	1
$50_3 = \chi_{17,1}$	1
$50_6 = \chi_{19,0}$	1
$50_7 = \chi_{19,1}$	1
$50_{12} = \chi_{22,0}$	1
$50_{13} = \chi_{22,1}$	1
$50_{14} = \chi_{23,0}$	1
$50_{15} = \chi_{23,1}$	1
$50_{16} = \chi_{24,0}$	1
$50_{17} = \chi_{24,1}$	1
$50_{18} = \chi_{25,0}$	1
$50_{19} = \chi_{25,1}$	1
$50_{20} = \chi_{26,0}$	1
$50_{21} = \chi_{26,1}$	1
$50_{22} = \chi_{27,0}$	1
$50_{23} = \chi_{27,1}$	1
$50_{32} = \chi_{46,0}$	1
$50_{33} = \chi_{46,1}$	1
$50_{34} = \chi_{47,0}$	1
$50_{35} = \chi_{47,1}$	1
$50_{36} = \chi_{48,0}$	1
$50_{37} = \chi_{48,1}$	1
$50_{38} = \chi_{49,0}$	1
$50_{39} = \chi_{49,1}$	1
$50_{40} = \chi_{50,0}$	1
$50_{41} = \chi_{50,1}$	1
$50_{42} = \chi_{51,0}$	1
$50_{43} = \chi_{51,1}$	1
$50_{44} = \chi_{52,0}$	1
$50_{45} = \chi_{52,1}$	1
$50_{46} = \chi_{53,0}$	1
$50_{47} = \chi_{53,1}$	1

$$\varphi_{16,0} = 50_1$$