

$L_2(49).2_1 \pmod{5}$

	blocks	defect	matrix
$G :$	1	2	14×2
	2	2	14×2
	3	0	$50_1 = \chi_{2+}, \varphi_{2+}$
	4	0	$50_2 = \chi_{17,0}, \varphi_{5,0}$
	5	0	$50_3 = \chi_{17,1}, \varphi_{5,1}$
	6	0	$50_4 = \chi_{18,0}, \varphi_{6,0}$
	7	0	$50_5 = \chi_{18,1}, \varphi_{6,1}$
	8	0	$50_6 = \chi_{19,0}, \varphi_{7,0}$
	9	0	$50_7 = \chi_{19,1}, \varphi_{7,1}$
	10	0	$50_8 = \chi_{20,0}, \varphi_{8,0}$
	11	0	$50_9 = \chi_{20,1}, \varphi_{8,1}$
	12	0	$50_{10} = \chi_{21,0}, \varphi_{9,0}$
	13	0	$50_{11} = \chi_{21,1}, \varphi_{9,1}$
	14	0	$50_{12} = \chi_{22,0}, \varphi_{10,0}$
	15	0	$50_{13} = \chi_{22,1}, \varphi_{10,1}$
	16	0	$50_{14} = \chi_{23,0}, \varphi_{11,0}$
	17	0	$50_{15} = \chi_{23,1}, \varphi_{11,1}$
	18	0	$50_{16} = \chi_{24,0}, \varphi_{12,0}$
	19	0	$50_{17} = \chi_{24,1}, \varphi_{12,1}$
	20	0	$50_{18} = \chi_{25,0}, \varphi_{13,0}$
	21	0	$50_{19} = \chi_{25,1}, \varphi_{13,1}$
	22	0	$50_{20} = \chi_{26,0}, \varphi_{14,0}$
	23	0	$50_{21} = \chi_{26,1}, \varphi_{14,1}$
	24	0	$50_{22} = \chi_{27,0}, \varphi_{15,0}$
	25	0	$50_{23} = \chi_{27,1}, \varphi_{15,1}$

	blocks	defect	matrix
$2.G :$	26	2	25×1
	27	0	$50_{24} = \chi_{42,0}, \varphi_{18,0}$
	28	0	$50_{25} = \chi_{42,1}, \varphi_{18,1}$
	29	0	$50_{26} = \chi_{43,0}, \varphi_{19,0}$
	30	0	$50_{27} = \chi_{43,1}, \varphi_{19,1}$
	31	0	$50_{28} = \chi_{44,0}, \varphi_{20,0}$
	32	0	$50_{29} = \chi_{44,1}, \varphi_{20,1}$
	33	0	$50_{30} = \chi_{45,0}, \varphi_{21,0}$
	34	0	$50_{31} = \chi_{45,1}, \varphi_{21,1}$
	35	0	$50_{32} = \chi_{46,0}, \varphi_{22,0}$
	36	0	$50_{33} = \chi_{46,1}, \varphi_{22,1}$
	37	0	$50_{34} = \chi_{47,0}, \varphi_{23,0}$
	38	0	$50_{35} = \chi_{47,1}, \varphi_{23,1}$
	39	0	$50_{36} = \chi_{48,0}, \varphi_{24,0}$
	40	0	$50_{37} = \chi_{48,1}, \varphi_{24,1}$
	41	0	$50_{38} = \chi_{49,0}, \varphi_{25,0}$
	42	0	$50_{39} = \chi_{49,1}, \varphi_{25,1}$
	43	0	$50_{40} = \chi_{50,0}, \varphi_{26,0}$
	44	0	$50_{41} = \chi_{50,1}, \varphi_{26,1}$
	45	0	$50_{42} = \chi_{51,0}, \varphi_{27,0}$
	46	0	$50_{43} = \chi_{51,1}, \varphi_{27,1}$
	47	0	$50_{44} = \chi_{52,0}, \varphi_{28,0}$
	48	0	$50_{45} = \chi_{52,1}, \varphi_{28,1}$
	49	0	$50_{46} = \chi_{53,0}, \varphi_{29,0}$
	50	0	$50_{47} = \chi_{53,1}, \varphi_{29,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{4,1}$
$1_1 = \chi_{1,0}$	1	.
$48_2 = \chi_{4,1}$.	1
$48_4 = \chi_{5,1}$.	1
$48_6 = \chi_{6,1}$.	1
$48_8 = \chi_{7,1}$.	1
$48_{10} = \chi_{8,1}$.	1
$48_{12} = \chi_{9,1}$.	1
$48_{14} = \chi_{10,1}$.	1
$48_{16} = \chi_{11,1}$.	1
$48_{18} = \chi_{12,1}$.	1
$48_{20} = \chi_{13,1}$.	1
$48_{22} = \chi_{14,1}$.	1
$48_{24} = \chi_{15,1}$.	1
$49_1 = \chi_{16,0}$	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{4,1} &= 48_2 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{4,0}$
$1_2 = \chi_{1,1}$	1	.
$48_1 = \chi_{4,0}$.	1
$48_3 = \chi_{5,0}$.	1
$48_5 = \chi_{6,0}$.	1
$48_7 = \chi_{7,0}$.	1
$48_9 = \chi_{8,0}$.	1
$48_{11} = \chi_{9,0}$.	1
$48_{13} = \chi_{10,0}$.	1
$48_{15} = \chi_{11,0}$.	1
$48_{17} = \chi_{12,0}$.	1
$48_{19} = \chi_{13,0}$.	1
$48_{21} = \chi_{14,0}$.	1
$48_{23} = \chi_{15,0}$.	1
$49_2 = \chi_{16,1}$	1	1

$$\begin{aligned} \varphi_{1,1} &= 1_2 \\ \varphi_{4,0} &= 48_1 \end{aligned}$$

Block 26:	φ_{16+}
$48_{25} = \chi_{28+}$	1
$48_{26} = \chi_{30,0}$	1
$48_{27} = \chi_{30,1}$	1
$48_{28} = \chi_{31,0}$	1
$48_{29} = \chi_{31,1}$	1
$48_{30} = \chi_{32,0}$	1
$48_{31} = \chi_{32,1}$	1
$48_{32} = \chi_{33,0}$	1
$48_{33} = \chi_{33,1}$	1
$48_{34} = \chi_{34,0}$	1
$48_{35} = \chi_{34,1}$	1
$48_{36} = \chi_{35,0}$	1
$48_{37} = \chi_{35,1}$	1
$48_{38} = \chi_{36,0}$	1
$48_{39} = \chi_{36,1}$	1
$48_{40} = \chi_{37,0}$	1
$48_{41} = \chi_{37,1}$	1
$48_{42} = \chi_{38,0}$	1
$48_{43} = \chi_{38,1}$	1
$48_{44} = \chi_{39,0}$	1
$48_{45} = \chi_{39,1}$	1
$48_{46} = \chi_{40,0}$	1
$48_{47} = \chi_{40,1}$	1
$48_{48} = \chi_{41,0}$	1
$48_{49} = \chi_{41,1}$	1

$$\varphi_{16+} = 48_3$$