

$L_2(49).2_2 \pmod{5}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	2	10×4		14	0	$50_9 = \chi_{21,0}, \varphi_{9,0}$
	2	0	$25_1 = \chi_{2,0}, \varphi_{2,0}$		15	0	$50_{10} = \chi_{21,1}, \varphi_{9,1}$
	3	0	$25_2 = \chi_{2,1}, \varphi_{2,1}$		16	0	$100_1 = \chi_{22+}, \varphi_{10+}$
	4	0	$25_3 = \chi_{3,0}, \varphi_{3,0}$		17	0	$100_2 = \chi_{24+}, \varphi_{12+}$
	5	0	$25_4 = \chi_{3,1}, \varphi_{3,1}$		18	0	$100_3 = \chi_{26+}, \varphi_{14+}$
	6	0	$50_1 = \chi_{17,0}, \varphi_{5,0}$	$2.G :$	19	2	10×4
	7	0	$50_2 = \chi_{17,1}, \varphi_{5,1}$		20	0	$100_4 = \chi_{42+}, \varphi_{18+}$
	8	0	$50_3 = \chi_{18,0}, \varphi_{6,0}$		21	0	$100_5 = \chi_{44+}, \varphi_{20+}$
	9	0	$50_4 = \chi_{18,1}, \varphi_{6,1}$		22	0	$100_6 = \chi_{46+}, \varphi_{22+}$
	10	0	$50_5 = \chi_{19,0}, \varphi_{7,0}$		23	0	$100_7 = \chi_{48+}, \varphi_{24+}$
	11	0	$50_6 = \chi_{19,1}, \varphi_{7,1}$		24	0	$100_8 = \chi_{50+}, \varphi_{26+}$
	12	0	$50_7 = \chi_{20,0}, \varphi_{8,0}$		25	0	$100_9 = \chi_{52+}, \varphi_{28+}$
	13	0	$50_8 = \chi_{20,1}, \varphi_{8,1}$				

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$
$1_1 = \chi_{1,0}$	1	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.
$96_1 = \chi_{4+}$	.	.	1	1
$96_2 = \chi_{6+}$	.	.	1	1
$96_3 = \chi_{8+}$	.	.	1	1
$96_4 = \chi_{10+}$	.	.	1	1
$96_5 = \chi_{12+}$	.	.	1	1
$96_6 = \chi_{14+}$	.	.	1	1
$49_1 = \chi_{16,0}$	1	.	1	.
$49_2 = \chi_{16,1}$	.	1	.	1

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

Block 19:	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{17,1}$
$24_1 = \chi_{28,0}$	1	.	.	.
$24_2 = \chi_{28,1}$	.	1	.	.
$24_3 = \chi_{29,0}$	.	.	1	.
$24_4 = \chi_{29,1}$	.	.	.	1
$96_7 = \chi_{30+}$	1	1	1	1
$96_8 = \chi_{32+}$	1	1	1	1
$96_9 = \chi_{34+}$	1	1	1	1
$96_{10} = \chi_{36+}$	1	1	1	1
$96_{11} = \chi_{38+}$	1	1	1	1
$96_{12} = \chi_{40+}$	1	1	1	1

$$\begin{aligned}
 \varphi_{16,0} &= 24_1 \\
 \varphi_{16,1} &= 24_2 \\
 \varphi_{17,0} &= 24_3 \\
 \varphi_{17,1} &= 24_4
 \end{aligned}$$