

$L_2(49).2_3 \pmod{7}$

	blocks	defect	matrix
$G :$	1	2	22×21
	2	0	$49_1 = \chi_{16,0}, \varphi_{25,0}$
	3	0	$49_2 = \chi_{16,1}, \varphi_{25,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	φ_{2+}	$\varphi_{4,0}$	$\varphi_{4,1}$	φ_{5+}	φ_{7+}	φ_{9+}	$\varphi_{11,0}$	$\varphi_{11,1}$	φ_{12+}	φ_{14+}
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$.	1	.	.	.	.	.	.	.	.	.	.
$50_1 = \chi_{2+}$	1	1	.	.
$96_1 = \chi_{4+}$.	.	.	1	1	1	.	.	.	.	.	1
$96_2 = \chi_{6+}$.	.	1	.	.	.	.	1	.	.	1	.
$96_3 = \chi_{8+}$	1	1	.	.	.	.	.	.	.	.	1	.
$96_4 = \chi_{10+}$	1	1	.	.	.	.	.
$96_5 = \chi_{12+}$	1	1	1	.	1
$96_6 = \chi_{14+}$.	.	1	.	.	.	.	.	.	.	.	.
$50_2 = \chi_{17,0}$	1	.	1	.	.
$50_3 = \chi_{17,1}$	1	1	.	.	.
$50_4 = \chi_{18,0}$	1	.	.	.	.	.	.	.	.	.	1	.
$50_5 = \chi_{18,1}$.	1	.	.	.	.	.	.	.	.	1	.
$50_6 = \chi_{19,0}$.	.	.	1	.	1	.	.	.	.	.	.
$50_7 = \chi_{19,1}$	1	1	.	.	.	.	.	.
$50_8 = \chi_{20,0}$	1	.	.	.	.	.
$50_9 = \chi_{20,1}$	1	.	.	.	.	.
$50_{10} = \chi_{21,0}$.	.	.	1	.	.	.	.	.	.	.	1
$50_{11} = \chi_{21,1}$	1	.	.	.	.	.	.	1
$100_1 = \chi_{22+}$	1	.	.	.	.	.	.
$100_2 = \chi_{24+}$.	.	1	.	.	.	.	.	.	.	1	.
$100_3 = \chi_{26+}$.	.	1	.	.	.	.	1	.	.	.	1

(Block 1:)	$\varphi_{16,0}$	$\varphi_{16,1}$	φ_{17+}	φ_{19+}	$\varphi_{21,0}$	$\varphi_{21,1}$	φ_{22+}	$\varphi_{24,0}$	$\varphi_{24,1}$
$1_1 = \chi_{1,0}$
$1_2 = \chi_{1,1}$
$50_1 = \chi_{2+}$	1	1	.	.	.	.	.	.	.
$96_1 = \chi_{4+}$.	.	.	1	.	.	.	.	.
$96_2 = \chi_{6+}$	1	1	.	.	.
$96_3 = \chi_{8+}$	1	.	.
$96_4 = \chi_{10+}$	1	1
$96_5 = \chi_{12+}$	1	1	.	.	.	.	.	.	.
$96_6 = \chi_{14+}$.	.	1	1	.	.	.	.	.
$50_2 = \chi_{17,0}$	1	.	.	.	.
$50_3 = \chi_{17,1}$	1	.	.	.
$50_4 = \chi_{18,0}$	1	.	.	.
$50_5 = \chi_{18,1}$	1	.	.	.	.
$50_6 = \chi_{19,0}$	1
$50_7 = \chi_{19,1}$	1	.
$50_8 = \chi_{20,0}$	1
$50_9 = \chi_{20,1}$	1	.
$50_{10} = \chi_{21,0}$.	1	.	.	.	.	.	.	.
$50_{11} = \chi_{21,1}$	1	.	.	.	.	.	.	.	.
$100_1 = \chi_{22+}$.	.	1	1	.	.	.	.	.
$100_2 = \chi_{24+}$	1	.	.
$100_3 = \chi_{26+}$.	.	.	1	.	.	.	.	.

$\varphi_{1,0} = 1_1$	$\varphi_{14+} = 30_1$
$\varphi_{1,1} = 1_2$	$\varphi_{16,0} = 16_2$
$\varphi_{2+} = 6_1$	$\varphi_{16,1} = 16_3$
$\varphi_{4,0} = 4_1$	$\varphi_{17+} = 42_1$
$\varphi_{4,1} = 4_2$	$\varphi_{19+} = 48_1$
$\varphi_{5+} = 10_1$	$\varphi_{21,0} = 25_1$
$\varphi_{7+} = 14_1$	$\varphi_{21,1} = 25_2$
$\varphi_{9+} = 16_1$	$\varphi_{22+} = 70_1$
$\varphi_{11,0} = 9_1$	$\varphi_{24,0} = 36_1$
$\varphi_{11,1} = 9_2$	$\varphi_{24,1} = 36_2$
$\varphi_{12+} = 24_1$	