

$L_3(9).2_1 \pmod{5}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	4×2		18	0	$1280_9 = \chi_{26+}, \varphi_{26+}$
	2	1	4×2		19	0	$1280_{10} = \chi_{28+}, \varphi_{28+}$
	3	0	$90_1 = \chi_{2,0}, \varphi_{2,0}$		20	0	$1280_{11} = \chi_{30+}, \varphi_{30+}$
	4	0	$90_2 = \chi_{2,1}, \varphi_{2,1}$		21	0	$1280_{12} = \chi_{32+}, \varphi_{32+}$
	5	1	4×2		22	0	$1280_{13} = \chi_{34+}, \varphi_{34+}$
	6	1	4×2		23	0	$1280_{14} = \chi_{36+}, \varphi_{36+}$
	7	1	4×2		24	0	$1280_{15} = \chi_{38+}, \varphi_{38+}$
	8	1	4×2		25	1	5×1
	9	1	4×2		26	1	5×1
	10	0	$1280_1 = \chi_{10+}, \varphi_{10+}$		27	0	$910_1 = \chi_{84,0}, \varphi_{52,0}$
	11	0	$1280_2 = \chi_{12+}, \varphi_{12+}$		28	0	$910_2 = \chi_{84,1}, \varphi_{52,1}$
	12	0	$1280_3 = \chi_{14+}, \varphi_{14+}$		29	0	$910_3 = \chi_{85,0}, \varphi_{53,0}$
	13	0	$1280_4 = \chi_{16+}, \varphi_{16+}$		30	0	$910_4 = \chi_{85,1}, \varphi_{53,1}$
	14	0	$1280_5 = \chi_{18+}, \varphi_{18+}$		31	0	$910_5 = \chi_{86,0}, \varphi_{54,0}$
	15	0	$1280_6 = \chi_{20+}, \varphi_{20+}$		32	0	$910_6 = \chi_{86,1}, \varphi_{54,1}$
	16	0	$1280_7 = \chi_{22+}, \varphi_{22+}$		33	0	$1820_1 = \chi_{87+}, \varphi_{55+}$
	17	0	$1280_8 = \chi_{24+}, \varphi_{24+}$		34	0	$1820_2 = \chi_{89+}, \varphi_{57+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{41,0}$
$1_1 = \chi_{1,0}$	1	.
$728_5 = \chi_{42,0}$	.	1
$728_7 = \chi_{43,0}$	.	1
$729_1 = \chi_{76,0}$	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{41,0} &= 728_3 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{41,1}$
$1_2 = \chi_{1,1}$	1	.
$728_6 = \chi_{42,1}$	.	1
$728_8 = \chi_{43,1}$	.	1
$729_2 = \chi_{76,1}$	1	1

$$\begin{aligned} \varphi_{1,1} &= 1_2 \\ \varphi_{41,1} &= 728_4 \end{aligned}$$

Block 5:	$\varphi_{3,0}$	$\varphi_{40,0}$
$91_1 = \chi_{3,0}$	1	.
$728_1 = \chi_{40,0}$	.	1
$728_3 = \chi_{41,0}$	.	1
$819_1 = \chi_{77,0}$	1	1

$$\begin{aligned} \varphi_{3,0} &= 91_1 \\ \varphi_{40,0} &= 728_1 \end{aligned}$$

Block 6:	$\varphi_{3,1}$	$\varphi_{40,1}$
$91_2 = \chi_{3,1}$	1	.
$728_2 = \chi_{40,1}$	.	1
$728_4 = \chi_{41,1}$	.	1
$819_2 = \chi_{77,1}$	1	1

$$\begin{aligned}\varphi_{3,1} &= 91_2 \\ \varphi_{40,1} &= 728_2\end{aligned}$$

Block 7:	φ_{4+}	φ_{46+}
$182_1 = \chi_{4+}$	1	.
$1456_3 = \chi_{48+}$	.	1
$1456_4 = \chi_{50+}$	.	1
$1638_1 = \chi_{78+}$	1	1

$$\begin{aligned}\varphi_{4+} &= 182_1 \\ \varphi_{46+} &= 1456_3\end{aligned}$$

Block 8:	φ_{6+}	φ_{48+}
$182_2 = \chi_{6+}$	1	.
$1456_5 = \chi_{52+}$	.	1
$1456_8 = \chi_{58+}$	.	1
$1638_2 = \chi_{80+}$	1	1

$$\begin{aligned}\varphi_{6+} &= 182_2 \\ \varphi_{48+} &= 1456_4\end{aligned}$$

Block 9:	φ_{8+}	φ_{50+}
$182_3 = \chi_{8+}$	1	.
$1456_6 = \chi_{54+}$	.	1
$1456_7 = \chi_{56+}$	.	1
$1638_3 = \chi_{82+}$	1	1

$$\begin{aligned}\varphi_{8+} &= 182_3 \\ \varphi_{50+} &= 1456_5\end{aligned}$$

Block 25:	φ_{42+}
$1456_1 = \chi_{44+}$	1
$1456_{10} = \chi_{62+}$	1
$1456_{11} = \chi_{64+}$	1
$1456_{14} = \chi_{70+}$	1
$1456_{15} = \chi_{72+}$	1

$$\varphi_{42+} = 1456_1$$

Block 26:	φ_{44+}
$1456_2 = \chi_{46+}$	1
$1456_9 = \chi_{60+}$	1
$1456_{12} = \chi_{66+}$	1
$1456_{13} = \chi_{68+}$	1
$1456_{16} = \chi_{74+}$	1

$$\varphi_{44+} = 1456_2$$