$L_3(9).2_3 \pmod 7$

	blocks	defect	matrix
$G:$	1	1	5×3
	2	1	5×3
	3	0	$91_1 = \chi_{3,0}, \varphi_{3,0}$
	4	0	$91_2 = \chi_{3,1}, \varphi_{3,1}$
	5	0	$91_3 = \chi_{4,0}, \varphi_{4,0}$
	6	0	$91_4 = \chi_{4,1}, \varphi_{4,1}$
	$7 = \overline{5}$	0	$91_5 = \chi_{5,0}, \varphi_{5,0}$
	$8 = \overline{6}$	0	$91_6 = \chi_{5,1}, \varphi_{5,1}$
	9	0	$182_1 = \chi_{6+}, \varphi_{6+}$
	$10 = \overline{9}$	0	$182_2 = \chi_{7+}, \varphi_{7+}$
	11	1	7×1
	12	1	7×1
	13	0	$1456_1 = \chi_{40+}, \varphi_{15+}$
	14	0	$1456_2 = \chi_{42+}, \varphi_{17+}$
	15	0	$1456_3 = \chi_{44+}, \varphi_{19+}$
	$16 = \overline{15}$	0	$1456_4 = \chi_{45+}, \varphi_{20+}$
	17	0	$1456_5 = \chi_{48+}, \varphi_{23+}$
	$18 = \overline{17}$	0	$1456_6 = \chi_{49+}, \varphi_{24+}$
	19	0	$1456_7 = \chi_{52+}, \varphi_{27+}$
	$20 = \overline{19}$	0	$1456_8 = \chi_{53+}, \varphi_{28+}$
	21	0	$1456_9 = \chi_{56+}, \varphi_{31+}$
	$22 = \overline{21}$	0	$1456_{10} = \chi_{57+}, \varphi_{32+}$
	23	0	$1456_{11} = \chi_{60+}, \varphi_{35+}$
	$24 = \overline{23}$	0	$1456_{12} = \chi_{61+}, \varphi_{36+}$
	25	0	$1456_{13} = \chi_{64+}, \varphi_{39+}$
	$26 = \overline{25}$	0	$1456_{14} = \chi_{65+}, \varphi_{40+}$
	27	0	$1456_{15} = \chi_{68+}, \varphi_{43+}$
	$28 = \overline{27}$	0	$1456_{16} = \chi_{69+}, \varphi_{44+}$
	29	0	$1456_{17} = \chi_{72+}, \varphi_{47+}$
	$30 = \overline{29}$	0	$1456_{18} = \chi_{73+}, \varphi_{48+}$
	31	0	$819_1 = \chi_{77,0}, \varphi_{51,0}$
	32	0	$819_2 = \chi_{77,1}, \varphi_{51,1}$
	33	0	$819_3 = \chi_{78,0}, \varphi_{52,0}$
	34	0	$819_4 = \chi_{78,1}, \varphi_{52,1}$
	$35 = \overline{33}$	0	$819_5 = \chi_{79,0}, \varphi_{53,0}$
	$36 = \overline{34}$	0	$819_6 = \chi_{79,1}, \varphi_{53,1}$
	37	0	$1638_1 = \chi_{80+}, \varphi_{54+}$
	$38 = \overline{37}$	0	$1638_2 = \chi_{81+}, \varphi_{55+}$
	39	0	$910_1 = \chi_{84,0}, \varphi_{58,0}$
	40	0	$910_2 = \chi_{84,1}, \varphi_{58,1}$

	blocks	defect	matrix
	41	0	$1820_1 = \chi_{85+}, \varphi_{59+}$
	42	0	$910_3 = \chi_{87,0}, \varphi_{61,0}$
	43	0	$910_4 = \chi_{87,1}, \varphi_{61,1}$
	$44 = \overline{42}$	0	$910_5 = \chi_{88,0}, \varphi_{62,0}$
	$45 = \overline{43}$	0	$910_6 = \chi_{88,1}, \varphi_{62,1}$
	46	0	$1820_2 = \chi_{89+}, \varphi_{63+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{10,1}$
$1_1 = \chi_{1,0}$	1	.	.
$90_1 = \chi_{2,0}$	1	1	.
$640_2 = \chi_{10,1}$	.	.	1
$640_4 = \chi_{11,1}$	.	.	1
$729_2 = \chi_{76,1}$	.	1	1

$\varphi_{1,0} = 1_1$
$\varphi_{2,0} = 89_1$
$\varphi_{10,1} = 640_2$

Block 2:	$\varphi_{1,1}$	$\varphi_{2,1}$	$\varphi_{10,0}$
$1_2 = \chi_{1,1}$	1	.	.
$90_2 = \chi_{2,1}$	1	1	.
$640_1 = \chi_{10,0}$	.	.	1
$640_3 = \chi_{11,0}$	.	.	1
$729_1 = \chi_{76,0}$	.	1	1

$\varphi_{1,1} = 1_2$
$\varphi_{2,1} = 89_2$
$\varphi_{10,0} = 640_1$

Block 11:	φ_{11+}
$1280_1 = \chi_{12+}$	1
$1280_3 = \chi_{16+}$	1
$1280_4 = \chi_{17+}$	1
$1280_7 = \chi_{24+}$	1
$1280_8 = \chi_{25+}$	1
$1280_{11} = \chi_{32+}$	1
$1280_{12} = \chi_{33+}$	1

$\varphi_{11+} = 1280_1$

Block 12:	φ_{13+}
$1280_2 = \chi_{14+}$	1
$1280_5 = \chi_{20+}$	1
$1280_6 = \chi_{21+}$	1
$1280_9 = \chi_{28+}$	1
$1280_{10} = \chi_{29+}$	1
$1280_{13} = \chi_{36+}$	1
$1280_{14} = \chi_{37+}$	1

$$\varphi_{13+} = 1280_2$$