$L_3(9).2_2 \pmod{13}$

	blocks	defect	matrix
$G:$	1	1	7×3
	2	1	7×3
	3	0	$91_1 = \chi_{3,0}, \varphi_{3,0}$
	4	0	$91_2 = \chi_{3,1}, \varphi_{3,1}$
	5	0	$182_1 = \chi_{4+}, \varphi_{4+}$
	6	0	$182_2 = \chi_{6+}, \varphi_{6+}$
	$7 = \overline{6}$	0	$182_3 = \chi_{7+}, \varphi_{7+}$
	8	1	13×1
	9	0	$1456_1 = \chi_{40+}, \varphi_{13+}$
	10	0	$1456_2 = \chi_{42+}, \varphi_{15+}$
	11	0	$1456_3 = \chi_{44+}, \varphi_{17+}$
	$12 = \overline{11}$	0	$1456_4 = \chi_{45+}, \varphi_{18+}$
	13	0	$1456_5 = \chi_{48+}, \varphi_{21+}$
	$14 = \overline{13}$	0	$1456_6 = \chi_{49+}, \varphi_{22+}$
	15	0	$1456_7 = \chi_{52+}, \varphi_{25+}$
	$16 = \overline{15}$	0	$1456_8 = \chi_{53+}, \varphi_{26+}$
	17	0	$1456_9 = \chi_{56+}, \varphi_{29+}$
	$18 = \overline{17}$	0	$1456_{10} = \chi_{57+}, \varphi_{30+}$
	19	0	$1456_{11} = \chi_{60+}, \varphi_{33+}$
	$20 = \overline{19}$	0	$1456_{12} = \chi_{61+}, \varphi_{34+}$
	21	0	$1456_{13} = \chi_{64+}, \varphi_{37+}$
	$22 = \overline{21}$	0	$1456_{14} = \chi_{65+}, \varphi_{38+}$
	23	0	$1456_{15} = \chi_{68+}, \varphi_{41+}$
	$24 = \overline{23}$	0	$1456_{16} = \chi_{69+}, \varphi_{42+}$
	25	0	$1456_{17} = \chi_{72+}, \varphi_{45+}$
	$26 = \overline{25}$	0	$1456_{18} = \chi_{73+}, \varphi_{46+}$
	27	0	$819_1 = \chi_{77,0}, \varphi_{49,0}$
	28	0	$819_2 = \chi_{77,1}, \varphi_{49,1}$
	29	0	$1638_1 = \chi_{78+}, \varphi_{50+}$
	30	0	$1638_2 = \chi_{80+}, \varphi_{52+}$
	$31 = \overline{30}$	0	$1638_3 = \chi_{81+}, \varphi_{53+}$
	32	0	$910_1 = \chi_{84,0}, \varphi_{56,0}$
	33	0	$910_2 = \chi_{84,1}, \varphi_{56,1}$
	34	0	$1820_1 = \chi_{85+}, \varphi_{57+}$
	35	0	$1820_2 = \chi_{87+}, \varphi_{59+}$
	36	0	$910_3 = \chi_{89,0}, \varphi_{61,0}$
	37	0	$910_4 = \chi_{89,1}, \varphi_{61,1}$
	$38 = \overline{36}$	0	$910_5 = \chi_{90,0}, \varphi_{62,0}$
	$39 = \overline{37}$	0	$910_6 = \chi_{90,1}, \varphi_{62,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{10,0}$
$1_1 = \chi_{1,0}$	1	.	.
$90_1 = \chi_{2,0}$	1	1	.
$640_1 = \chi_{12,0}$	.	.	1
$640_3 = \chi_{13,0}$	.	.	1
$640_5 = \chi_{14,0}$	.	.	1
$640_7 = \chi_{15,0}$	.	.	1
$729_1 = \chi_{76,0}$	.	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{2,0} &= 89_1 \\ \varphi_{10,0} &= 640_1 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{2,1}$	$\varphi_{10,1}$
$1_2 = \chi_{1,1}$	1	.	.
$90_2 = \chi_{2,1}$	1	1	.
$640_2 = \chi_{12,1}$	.	.	1
$640_4 = \chi_{13,1}$	.	.	1
$640_6 = \chi_{14,1}$	.	.	1
$640_8 = \chi_{15,1}$	.	.	1
$729_2 = \chi_{76,1}$	.	1	1

$$\begin{aligned} \varphi_{1,1} &= 1_2 \\ \varphi_{2,1} &= 89_2 \\ \varphi_{10,1} &= 640_2 \end{aligned}$$

Block 8:	φ_{11+}
$1280_1 = \chi_{10+}$	1
$1280_2 = \chi_{16+}$	1
$1280_3 = \chi_{17+}$	1
$1280_4 = \chi_{20+}$	1
$1280_5 = \chi_{21+}$	1
$1280_6 = \chi_{24+}$	1
$1280_7 = \chi_{25+}$	1
$1280_8 = \chi_{28+}$	1
$1280_9 = \chi_{29+}$	1
$1280_{10} = \chi_{32+}$	1
$1280_{11} = \chi_{33+}$	1
$1280_{12} = \chi_{36+}$	1
$1280_{13} = \chi_{37+}$	1

$$\varphi_{11+} = 1280_1$$