

$L_3(9).2_3 \pmod{13}$

	blocks	defect	matrix
$G :$	1	1	8×6
	2	0	$91_1 = \chi_{3,0}, \varphi_{3,0}$
	3	0	$91_2 = \chi_{3,1}, \varphi_{3,1}$
	4	0	$91_3 = \chi_{4,0}, \varphi_{4,0}$
	5	0	$91_4 = \chi_{4,1}, \varphi_{4,1}$
	$6 = \overline{4}$	0	$91_5 = \chi_{5,0}, \varphi_{5,0}$
	$7 = \overline{5}$	0	$91_6 = \chi_{5,1}, \varphi_{5,1}$
	8	0	$182_1 = \chi_{6+}, \varphi_{6+}$
	$9 = \overline{8}$	0	$182_2 = \chi_{7+}, \varphi_{7+}$
	10	1	8×2
	$11 = \overline{10}$	1	8×2
	12	0	$1456_1 = \chi_{40+}, \varphi_{13+}$
	13	0	$1456_2 = \chi_{42+}, \varphi_{15+}$
	14	0	$1456_3 = \chi_{44+}, \varphi_{17+}$
	$15 = \overline{14}$	0	$1456_4 = \chi_{45+}, \varphi_{18+}$
	16	0	$1456_5 = \chi_{48+}, \varphi_{21+}$
	$17 = \overline{16}$	0	$1456_6 = \chi_{49+}, \varphi_{22+}$
	18	0	$1456_7 = \chi_{52+}, \varphi_{25+}$
	$19 = \overline{18}$	0	$1456_8 = \chi_{53+}, \varphi_{26+}$
	20	0	$1456_9 = \chi_{56+}, \varphi_{29+}$
	$21 = \overline{20}$	0	$1456_{10} = \chi_{57+}, \varphi_{30+}$
	22	0	$1456_{11} = \chi_{60+}, \varphi_{33+}$
	$23 = \overline{22}$	0	$1456_{12} = \chi_{61+}, \varphi_{34+}$
	24	0	$1456_{13} = \chi_{64+}, \varphi_{37+}$
	$25 = \overline{24}$	0	$1456_{14} = \chi_{65+}, \varphi_{38+}$
	26	0	$1456_{15} = \chi_{68+}, \varphi_{41+}$
	$27 = \overline{26}$	0	$1456_{16} = \chi_{69+}, \varphi_{42+}$
	28	0	$1456_{17} = \chi_{72+}, \varphi_{45+}$
	$29 = \overline{28}$	0	$1456_{18} = \chi_{73+}, \varphi_{46+}$
	30	0	$819_1 = \chi_{77,0}, \varphi_{49,0}$
	31	0	$819_2 = \chi_{77,1}, \varphi_{49,1}$
	32	0	$819_3 = \chi_{78,0}, \varphi_{50,0}$
	33	0	$819_4 = \chi_{78,1}, \varphi_{50,1}$
	$34 = \overline{32}$	0	$819_5 = \chi_{79,0}, \varphi_{51,0}$
	$35 = \overline{33}$	0	$819_6 = \chi_{79,1}, \varphi_{51,1}$
	36	0	$1638_1 = \chi_{80+}, \varphi_{52+}$
	$37 = \overline{36}$	0	$1638_2 = \chi_{81+}, \varphi_{53+}$
	38	0	$910_1 = \chi_{84,0}, \varphi_{56,0}$
	39	0	$910_2 = \chi_{84,1}, \varphi_{56,1}$
	40	0	$1820_1 = \chi_{85+}, \varphi_{57+}$

	blocks	defect	matrix
	41	0	$910_3 = \chi_{87,0}, \varphi_{59,0}$
	42	0	$910_4 = \chi_{87,1}, \varphi_{59,1}$
	$43 = \overline{41}$	0	$910_5 = \chi_{88,0}, \varphi_{60,0}$
	$44 = \overline{42}$	0	$910_6 = \chi_{88,1}, \varphi_{60,1}$
	45	0	$1820_2 = \chi_{89+}, \varphi_{61+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	$\varphi_{1,0} = 1_1$
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	$\varphi_{1,1} = 1_2$
$90_1 = \chi_{2,0}$	.	1	1	.	.	.	$\varphi_{2,0} = 89_1$
$90_2 = \chi_{2,1}$	1	.	.	1	.	.	$\varphi_{2,1} = 89_2$
$1280_1 = \chi_{12+}$	.	.	.	.	1	1	$\varphi_{10,0} = 640_1$
$1280_2 = \chi_{14+}$	.	.	.	.	1	1	$\varphi_{10,1} = 640_2$
$729_1 = \chi_{76,0}$	.	.	1	.	1	.	
$729_2 = \chi_{76,1}$	.	.	.	1	.	1	

Block 10:	$\varphi_{11,0}$	$\varphi_{11,1}$	
$640_1 = \chi_{10,0}$	1	.	
$640_2 = \chi_{10,1}$	.	1	
$1280_3 = \chi_{16+}$	1	1	$\varphi_{11,0} = 640_3$
$1280_5 = \chi_{20+}$	1	1	$\varphi_{11,1} = 640_4$
$1280_7 = \chi_{24+}$	1	1	
$1280_9 = \chi_{28+}$	1	1	
$1280_{11} = \chi_{32+}$	1	1	
$1280_{13} = \chi_{36+}$	1	1	

Block 11:	$\varphi_{12,0}$	$\varphi_{12,1}$	
$640_3 = \chi_{11,0}$	1	.	
$640_4 = \chi_{11,1}$	.	1	
$1280_4 = \chi_{17+}$	1	1	$\varphi_{12,0} = 640_5$
$1280_6 = \chi_{21+}$	1	1	$\varphi_{12,1} = 640_6$
$1280_8 = \chi_{25+}$	1	1	
$1280_{10} = \chi_{29+}$	1	1	
$1280_{12} = \chi_{33+}$	1	1	
$1280_{14} = \chi_{37+}$	1	1	