

$L_3(4).3 \pmod{5}$

	blocks	defect	matrix
$G :$	1	1	4×2
	2	1	4×2
	$3 = \overline{2}$	1	4×2
	4	0	$20_1 = \chi_{2,0}, \varphi_{2,0}$
	5	0	$20_2 = \chi_{2,1}, \varphi_{2,1}$
	$6 = \overline{5}$	0	$20_3 = \chi_{2,2}, \varphi_{2,2}$
	7	0	$105_1 = \chi_{3+}, \varphi_{3+}$
	8	0	$45_1 = \chi_{6,0}, \varphi_{6,0}$
	9	0	$45_2 = \chi_{6,1}, \varphi_{6,1}$
	10	0	$45_3 = \chi_{6,2}, \varphi_{6,2}$
	$11 = \overline{8}$	0	$45_4 = \chi_{7,0}, \varphi_{7,0}$
	$12 = \overline{10}$	0	$45_5 = \chi_{7,1}, \varphi_{7,1}$
	$13 = \overline{9}$	0	$45_6 = \chi_{7,2}, \varphi_{7,2}$
$3.G :$	14	0	$45_7 = \chi_{32+}, \varphi_{24+}$
	$15 = 14^*$		
	16	1	4×2
	17	1	4×2

	blocks	defect	matrix
	18	1	4×2
	$19 = 16^*$		
	$20 = 18^*$		
	$21 = 17^*$		
	22	0	$45_9 = \chi_{36,0}, \varphi_{28,0}$
	23	0	$45_{10} = \chi_{36,1}, \varphi_{28,1}$
	24	0	$45_{11} = \chi_{36,2}, \varphi_{28,2}$
	$25 = 22^*$		
	$26 = 24^*$		
	$27 = 23^*$		
	$28 = \overline{25}$	0	$45_{15} = \chi_{37,0}, \varphi_{29,0}$
	$29 = \overline{27}$	0	$45_{16} = \chi_{37,1}, \varphi_{29,1}$
	$30 = \overline{26}$	0	$45_{17} = \chi_{37,2}, \varphi_{29,2}$
	$31 = 28^*$		
	$32 = 30^*$		
	$33 = 29^*$		

Block 1:	$\varphi_{1,0}$	$\varphi_{8,0}$
$1_1 = \chi_{1,0}$	1	.
$63_1 = \chi_{8,0}$	.	1
$63_4 = \chi_{9,0}$	.	1
$64_1 = \chi_{10,0}$	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{8,0} &= 63_1 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{8,1}$
$1_2 = \chi_{1,1}$	1	.
$63_2 = \chi_{8,1}$	.	1
$63_5 = \chi_{9,1}$	.	1
$64_2 = \chi_{10,1}$	1	1

$$\begin{aligned} \varphi_{1,1} &= 1_2 \\ \varphi_{8,1} &= 63_2 \end{aligned}$$

Block 3:	$\varphi_{1,2}$	$\varphi_{8,2}$
$1_3 = \chi_{1,2}$	1	.
$63_3 = \chi_{8,2}$	.	1
$63_6 = \chi_{9,2}$	.	1
$64_3 = \chi_{10,2}$	1	1

$$\begin{aligned} \varphi_{1,2} &= 1_3 \\ \varphi_{8,2} &= 63_3 \end{aligned}$$

Blocks 16, 19:	$\varphi_{27,0}$	$\varphi_{30,2}$	
$21_1 = \chi_{35,0}$	1	.	$\varphi_{27,0} = 21_1$
$63_9 = \chi_{38,2}$	.	1	$\varphi_{30,2} = 63_6$
$63_{15} = \chi_{39,2}$	.	1	
$84_2 = \chi_{40,1}$	1	1	

Blocks 17, 21:	$\varphi_{27,1}$	$\varphi_{30,0}$	
$21_2 = \chi_{35,1}$	1	.	$\varphi_{27,1} = 21_2$
$63_7 = \chi_{38,0}$	.	1	$\varphi_{30,0} = 63_4$
$63_{13} = \chi_{39,0}$	.	1	
$84_3 = \chi_{40,2}$	1	1	

Blocks 18, 20:	$\varphi_{27,2}$	$\varphi_{30,1}$	
$21_3 = \chi_{35,2}$	1	.	$\varphi_{27,2} = 21_3$
$63_8 = \chi_{38,1}$	.	1	$\varphi_{30,1} = 63_5$
$63_{14} = \chi_{39,1}$	.	1	
$84_1 = \chi_{40,0}$	1	1	