

$L_3(4).3 \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	5×3
	2	1	5×3
	$3 = \bar{2}$	1	5×3
	4	0	$105_1 = \chi_{3+}, \varphi_{3+}$
	5	0	$63_1 = \chi_{8,0}, \varphi_{7,0}$
	6	0	$63_2 = \chi_{8,1}, \varphi_{7,1}$
	$7 = \bar{6}$	0	$63_3 = \chi_{8,2}, \varphi_{7,2}$
	8	0	$63_4 = \chi_{9,0}, \varphi_{8,0}$
	9	0	$63_5 = \chi_{9,1}, \varphi_{8,1}$
	$10 = \bar{9}$	0	$63_6 = \chi_{9,2}, \varphi_{8,2}$
$3.G :$	11	1	7×1
	$12 = 11^*$		
	13	0	$21_1 = \chi_{35,0}, \varphi_{27,0}$
	14	0	$21_2 = \chi_{35,1}, \varphi_{27,1}$
	15	0	$21_3 = \chi_{35,2}, \varphi_{27,2}$
	$16 = 13^*$		
	$17 = 15^*$		
	$18 = 14^*$		

	blocks	defect	matrix
	19	0	$63_7 = \chi_{38,0}, \varphi_{28,0}$
	20	0	$63_8 = \chi_{38,1}, \varphi_{28,1}$
	21	0	$63_9 = \chi_{38,2}, \varphi_{28,2}$
	$22 = 19^*$		
	$23 = 21^*$		
	$24 = 20^*$		
	25	0	$63_{13} = \chi_{39,0}, \varphi_{29,0}$
	26	0	$63_{14} = \chi_{39,1}, \varphi_{29,1}$
	27	0	$63_{15} = \chi_{39,2}, \varphi_{29,2}$
	$28 = 25^*$		
	$29 = 27^*$		
	$30 = 26^*$		
	31	0	$84_1 = \chi_{40,0}, \varphi_{30,0}$
	32	0	$84_2 = \chi_{40,1}, \varphi_{30,1}$
	33	0	$84_3 = \chi_{40,2}, \varphi_{30,2}$
	$34 = 31^*$		
	$35 = 33^*$		
	$36 = 32^*$		

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{6,0}$	
$1_1 = \chi_{1,0}$	1	.	.	$\varphi_{1,0} = 1_1$
$20_1 = \chi_{2,0}$	1	1	.	$\varphi_{2,0} = 19_1$
$45_1 = \chi_{6,0}$	.	.	1	$\varphi_{6,0} = 45_1$
$45_4 = \chi_{7,0}$	.	.	1	
$64_1 = \chi_{10,0}$	.	1	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{2,1}$	$\varphi_{6,1}$	
$1_2 = \chi_{1,1}$	1	.	.	$\varphi_{1,1} = 1_2$
$20_2 = \chi_{2,1}$	1	1	.	$\varphi_{2,1} = 19_2$
$45_2 = \chi_{6,1}$	.	.	1	$\varphi_{6,1} = 45_2$
$45_5 = \chi_{7,1}$	.	.	1	
$64_2 = \chi_{10,1}$	.	1	1	

Block 3:	$\varphi_{1,2}$	$\varphi_{2,2}$	$\varphi_{6,2}$	
$1_3 = \chi_{1,2}$	1	.	.	$\varphi_{1,2} = 1_3$
$20_3 = \chi_{2,2}$	1	1	.	$\varphi_{2,2} = 19_3$
$45_3 = \chi_{6,2}$	.	.	1	$\varphi_{6,2} = 45_3$
$45_6 = \chi_{7,2}$	.	.	1	
$64_3 = \chi_{10,2}$	.	1	1	

Blocks 11, 12:	φ_{24+}	
$45_7 = \chi_{32+}$	1	
$45_9 = \chi_{36,0}$	1	
$45_{10} = \chi_{36,1}$	1	$\varphi_{24+} = 45_4$
$45_{11} = \chi_{36,2}$	1	
$45_{15} = \chi_{37,0}$	1	
$45_{16} = \chi_{37,1}$	1	
$45_{17} = \chi_{37,2}$	1	