

$L_3(4) \pmod{5}$

	blocks	defect	matrix
$G :$	1	1	4×2
	2	0	$20_1 = \chi_2, \varphi_2$
	3	0	$35_1 = \chi_3, \varphi_3$
	4	0	$35_2 = \chi_4, \varphi_4$
	5	0	$35_3 = \chi_5, \varphi_5$
	6	0	$45_1 = \chi_6, \varphi_6$
	$7 = \overline{6}$	0	$45_2 = \chi_7, \varphi_7$
$2.G :$	8	0	$10_1 = \chi_{11}, \varphi_9$
	$9 = \overline{8}$	0	$10_2 = \chi_{12}, \varphi_{10}$
	10	1	4×2
	11	0	$70_1 = \chi_{17}, \varphi_{13}$
	12	0	$90_1 = \chi_{18}, \varphi_{14}$
$4_1.G :$	13	1	4×2
	$14 = 13^*$		
	15	0	$80_1 = \chi_{23}, \varphi_{17}$
	$16 = 15^*$		
	$17 = \overline{16}$	0	$80_3 = \chi_{24}, \varphi_{18}$
$4_2.G :$	18	17^*	
	19	0	$20_2 = \chi_{25}, \varphi_{19}$
	$20 = 19^*$		
	21	1	4×2
	$22 = 21^*$		
	23	0	$80_1 = \chi_{30}, \varphi_{22}$
	$24 = 23^*$		
	$25 = \overline{24}$	0	$80_3 = \chi_{31}, \varphi_{23}$
$3.G :$	$26 = 25^*$		
	27	0	$15_1 = \chi_{32}, \varphi_{24}$
	$28 = 27^*$		
	29	0	$15_3 = \chi_{33}, \varphi_{25}$
	$30 = 29^*$		
	31	0	$15_5 = \chi_{34}, \varphi_{26}$
	$32 = 31^*$		
	33	1	4×2

	blocks	defect	matrix
	$34 = 33^*$		
	35	0	$45_3 = \chi_{36}, \varphi_{28}$
	$36 = 35^*$		
	$37 = \overline{36}$	0	$45_5 = \chi_{37}, \varphi_{29}$
	$38 = 37^*$		
$6.G :$	39	1	4×2
	$40 = 39^*$		
	41	0	$60_1 = \chi_{45}, \varphi_{33}$
	$42 = 41^*$		
	$43 = \overline{42}$	0	$60_3 = \chi_{46}, \varphi_{34}$
	$44 = 43^*$		
	45	0	$90_2 = \chi_{47}, \varphi_{35}$
	$46 = 45^*$		
$12_1.G :$	47	1	4×2
	$48 = 47 * 5$		
	$49 = 47 * 7$		
	$50 = 47 * 11$		
	51	0	$120_1 = \chi_{52}, \varphi_{38}$
	$52 = 51 * 5$		
	$53 = 51 * 7$		
	$54 = 51 * 11$		
$12_2.G :$	55	1	4×2
	$56 = 55 * 5$		
	$57 = 55 * 7$		
	$58 = 55 * 11$		
	59	0	$60_5 = \chi_{56}, \varphi_{41}$
	$60 = 59 * 5$		
	$61 = 59 * 7$		
	$62 = 59 * 11$		
	$63 = \overline{62}$	0	$60_9 = \chi_{57}, \varphi_{42}$
	$64 = 63 * 5$		
	$65 = 63 * 7$		
	$66 = 63 * 11$		

Block 1:	φ_1	φ_8	
$1_1 = \chi_1$	1	.	$\varphi_1 = 1_1$
$63_1 = \chi_8$	.	1	$\varphi_8 = 63_1$
$63_2 = \chi_9$	.	1	
$64_1 = \chi_{10}$	1	1	

Block 10:	φ_{11}	φ_{12}	
$28_1 = \chi_{13}$	1	.	$\varphi_{11} = 28_1$
$28_2 = \chi_{14}$	1	.	$\varphi_{12} = 36_1$
$36_1 = \chi_{15}$	.	1	
$64_2 = \chi_{16}$	1	1	

Blocks 13, 14:	φ_{15}	φ_{16}	
$8_1 = \chi_{19}$	1	.	$\varphi_{15} = 8_1$
$8_3 = \chi_{20}$	1	.	$\varphi_{16} = 56_1$
$56_1 = \chi_{21}$	.	1	
$64_3 = \chi_{22}$	1	1	

Blocks 21, 22:	φ_{20}	φ_{21}	
$28_3 = \chi_{26}$	1	.	$\varphi_{20} = 28_2$
$28_5 = \chi_{27}$	1	.	$\varphi_{21} = 36_2$
$36_2 = \chi_{28}$	.	1	
$64_3 = \chi_{29}$	1	1	

Blocks 33, 34:	φ_{27}	φ_{30}	
$21_1 = \chi_{35}$	1	.	$\varphi_{27} = 21_1$
$63_3 = \chi_{38}$	.	1	$\varphi_{30} = 63_2$
$63_5 = \chi_{39}$	.	1	
$84_1 = \chi_{40}$	1	1	

Blocks 39, 40:	φ_{31}	φ_{32}	
$6_1 = \chi_{41}$	1	.	$\varphi_{31} = 6_1$
$36_2 = \chi_{42}$	.	1	$\varphi_{32} = 36_2$
$42_1 = \chi_{43}$	1	1	
$42_3 = \chi_{44}$	1	1	

Blocks 47, 48, 49, 50:	φ_{36}	φ_{37}	
$24_1 = \chi_{48}$	1	.	$\varphi_{36} = 24_1$
$24_5 = \chi_{49}$	.	1	$\varphi_{37} = 24_5$
$48_1 = \chi_{50}$	1	1	
$48_5 = \chi_{51}$	1	1	

Blocks 55, 56, 57, 58:	φ_{39}	φ_{40}	
$36_6 = \chi_{53}$	1	.	$\varphi_{39} = 36_6$
$48_1 = \chi_{54}$	.	1	$\varphi_{40} = 48_1$
$48_5 = \chi_{55}$	.	1	
$84_3 = \chi_{58}$	1	1	