

$L_3(4).2_3 \pmod{3}$

	blocks	defect	matrix		blocks	defect	matrix
$3.G :$	1	3	14×7		7	1	3×2
	2	1	3×1				
	3	1	3×2	$12_1.G :$	8	3	14×7
	4	1	3×2		$9 = 8 * 7$		
$6.G :$	5	3	14×7	$12_2.G :$	10	3	16×5
	6	1	3×2		11	1	3×1

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	φ_{3+}	$\varphi_{5,0}$	$\varphi_{5,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	
$20_1 = \chi_{2,0}$	1	.	.	.	.	1	.	
$20_2 = \chi_{2,1}$	.	1	.	.	.	.	1	$\varphi_{1,0} = 1_1$
$35_1 = \chi_{3,0}$	1	.	1	.	.	.	1	$\varphi_{1,1} = 1_2$
$35_2 = \chi_{3,1}$	.	1	.	1	.	1	.	$\varphi_{2,0} = 15_1$
$70_1 = \chi_{4+}$	1	1	.	.	1	1	1	$\varphi_{2,1} = 15_2$
$64_1 = \chi_{10,0}$	.	.	1	.	1	.	1	$\varphi_{3+} = 30_1$
$64_2 = \chi_{10,1}$	.	.	.	1	1	1	.	$\varphi_{5,0} = 19_1$
								$\varphi_{5,1} = 19_2$
$30_1 = \chi_{32+}$	.	.	1	1	.	.	.	
$30_2 = \chi_{33+}$	.	.	.	.	1	.	.	
$30_3 = \chi_{34+}$	.	.	.	.	1	.	.	
$42_1 = \chi_{35+}$	2	2	.	.	.	1	1	
$168_1 = \chi_{40+}$	1	1	1	1	2	2	2	

Block 2:	φ_{6+}	
$90_1 = \chi_{6+}$	1	$\varphi_{6+} = 90_1$
$90_4 = \chi_{36+}$	1	
$90_5 = \chi_{37+}$	1	

Block 3 ₁ , 3 ₂ :	$\varphi_{8,0}$	$\varphi_{8,1}$	
$63_1 = \chi_{8,0}$	1	.	$\varphi_{8,0} = 63_1$ $\varphi_{8,1} = 63_2$
$63_2 = \chi_{8,1}$	.	1	
$126_1 = \chi_{38+}$	1	1	

Block 4₁, 4₂:	$\varphi_{9,0}$	$\varphi_{9,1}$		
$63_3 = \chi_{9,0}$	1	.	$\varphi_{9,0} = 63_3$	
$63_4 = \chi_{9,1}$	.	1	$\varphi_{9,1} = 63_4$	
$126_2 = \chi_{39+}$	1	1		

Block 5:	$\varphi_{10,0}$	$\varphi_{10,1}$	φ_{11+}	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{14,0}$	$\varphi_{14,1}$		
$20_3 = \chi_{11+}$	.	.	1	.	.	.	.		
$28_1 = \chi_{13,0}$	.	1	.	.	.	1	.		
$28_2 = \chi_{13,1}$	1	.	.	.	.	.	1		
$28_3 = \chi_{14,0}$	1	.	.	1	.	.	.	$\varphi_{10,0} = 6_1$	
$28_4 = \chi_{14,1}$	.	1	.	.	1	.	.	$\varphi_{10,1} = 6_2$	
$64_3 = \chi_{16,0}$	.	.	1	1	.	1	.	$\varphi_{11+} = 20_1$	
$64_4 = \chi_{16,1}$	.	.	1	.	1	.	1	$\varphi_{13,0} = 22_1$	
$70_2 = \chi_{17,0}$	.	1	1	.	1	1	.	$\varphi_{13,1} = 22_2$	
$70_3 = \chi_{17,1}$	1	.	1	1	.	.	1	$\varphi_{14,0} = 22_3$	
								$\varphi_{14,1} = 22_4$	
$12_1 = \chi_{41+}$	1	1	.	.	.	.	.		
$84_1 = \chi_{43+}$	.	.	2	1	1	.	.		
$84_2 = \chi_{44+}$	.	.	2	.	.	1	1		
$120_1 = \chi_{45+}$	1	1	1	1	1	1	1		
$120_2 = \chi_{46+}$	1	1	1	1	1	1	1		

Block 6₁, 6₂:	$\varphi_{15,0}$	$\varphi_{15,1}$		
$36_1 = \chi_{15,0}$	1	.	$\varphi_{15,0} = 36_1$	
$36_2 = \chi_{15,1}$	.	1	$\varphi_{15,1} = 36_2$	
$72_1 = \chi_{42+}$	1	1		

Block 7₁, 7₂:	$\varphi_{16,0}$	$\varphi_{16,1}$		
$90_2 = \chi_{18,0}$	1	.	$\varphi_{16,0} = 90_2$	
$90_3 = \chi_{18,1}$	.	1	$\varphi_{16,1} = 90_3$	
$180_1 = \chi_{47+}$	1	1		

Block 8:	$\varphi_{17,0}$	$\varphi_{17,1}$	$\varphi_{18,0}$	$\varphi_{18,1}$	φ_{19+}	$\varphi_{21,0}$	$\varphi_{21,1}$	
$8_1 = \chi_{19,0}$	1	.	.	.	.	.	.	
$8_2 = \chi_{19,1}$	.	1	.	.	.	.	.	
$8_5 = \chi_{20,0}$	.	.	1	.	.	.	.	
$8_6 = \chi_{20,1}$	.	.	.	1	.	.	.	$\varphi_{17,0} = 8_1$
$56_1 = \chi_{21,0}$	1	.	1	.	.	1	.	$\varphi_{17,1} = 8_2$
$56_2 = \chi_{21,1}$	.	1	.	1	.	.	1	$\varphi_{18,0} = 8_5$
$64_5 = \chi_{22,0}$	1	.	1	.	1	.	.	$\varphi_{18,1} = 8_6$
$64_6 = \chi_{22,1}$	.	1	.	1	1	.	.	$\varphi_{19+} = 48_1$
$160_1 = \chi_{23+}$	1	1	1	1	1	1	1	$\varphi_{21,0} = 40_1$
$48_1 = \chi_{48+}$	.	.	.	.	1	.	.	$\varphi_{21,1} = 40_2$
$48_2 = \chi_{49+}$	.	.	.	.	1	.	.	
$96_1 = \chi_{50+}$	1	1	.	.	.	1	1	
$96_3 = \chi_{51+}$	.	.	1	1	.	1	1	
$240_1 = \chi_{52+}$	2	2	2	2	2	1	1	

Block 10:	φ_{22+}	φ_{23+}	φ_{24+}	φ_{25+}	φ_{27+}	
$40_1 = \chi_{25+}$	1	1	.	.	.	
$56_1 = \chi_{26+}$	.	.	1	.	.	
$56_2 = \chi_{27+}$	.	.	.	1	.	
$128_1 = \chi_{29+}$	1	.	.	.	1	
$160_1 = \chi_{30+}$	1	1	.	.	1	
$160_2 = \chi_{31+}$	2	1	1	1	.	$\varphi_{22+} = 8_1$
$96_1 = \chi_{54+}$	1	1	1	.	.	$\varphi_{23+} = 32_1$
$96_2 = \chi_{54*41+}$	1	1	1	.	.	$\varphi_{24+} = 56_1$
$96_3 = \chi_{55+}$	1	1	.	1	.	$\varphi_{25+} = 56_2$
$96_4 = \chi_{55*41+}$	1	1	.	1	.	$\varphi_{27+} = 120_1$
$120_3 = \chi_{56+}$	1	.	1	1	.	
$120_4 = \chi_{56*29+}$	1	.	1	1	.	
$120_5 = \chi_{56*43+}$	.	.	.	.	1	
$120_6 = \chi_{57+}$	.	.	.	.	1	
$168_2 = \chi_{58+}$	2	1	.	.	1	
$168_3 = \chi_{58*5+}$	2	1	.	.	1	

Block 11:	φ_{26+}
$72_1 = \chi_{28+}$	1
$72_3 = \chi_{53+}$	1
$72_4 = \chi_{53*5+}$	1

$$\varphi_{26+} = 72_1$$