

$L_3(7).2 \pmod{3}$

	blocks	defect	matrix		blocks	defect	matrix
$3.G :$	1	3	14×7		6	1	3×2
	2	2	9×4		7	1	3×2
	3	1	3×1		8	1	3×2
	4	1	3×1		9	1	3×1
	5	1	3×1		10	1	3×1

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	φ_{5+}	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	
$56_1 = \chi_{2,0}$	1	.	.	1	.	.	.	
$56_2 = \chi_{2,1}$	.	1	1	.	.	.	.	$\varphi_{1,0} = 1_1$
$152_1 = \chi_{4,0}$	1	.	1	.	1	.	.	$\varphi_{1,1} = 1_2$
$152_2 = \chi_{4,1}$	.	1	.	1	.	1	.	$\varphi_{2,0} = 55_1$
$304_1 = \chi_{5+}$	1	1	1	1	.	.	1	$\varphi_{2,1} = 55_2$
$343_1 = \chi_{20,0}$	.	.	1	.	1	.	1	$\varphi_{4,0} = 96_1$
$343_2 = \chi_{20,1}$	.	.	.	1	.	1	1	$\varphi_{4,1} = 96_2$
								$\varphi_{5+} = 192_1$
$114_1 = \chi_{23+}$	2	2	1	1	.	.	.	
$192_1 = \chi_{25+}$	.	.	.	.	1	1	.	
$192_2 = \chi_{26+}$	.	.	.	.	.	.	1	
$192_3 = \chi_{27+}$	.	.	.	.	.	.	1	
$798_1 = \chi_{41+}$	1	1	2	2	1	1	2	

Block 2₁, 2₂:	$\varphi_{3,0}$	$\varphi_{20,0}$	$\varphi_{3,1}$	$\varphi_{20,1}$	
$57_1 = \chi_{3,0}$	1	.	.	.	
$399_1 = \chi_{21,0}$	.	1	.	.	
$456_1 = \chi_{22,0}$	1	1	.	.	
$57_2 = \chi_{3,1}$	.	.	1	.	$\varphi_{3,0} = 57_1$
$399_2 = \chi_{21,1}$	.	.	.	1	$\varphi_{3,1} = 57_2$
$456_2 = \chi_{22,1}$	.	.	1	1	$\varphi_{20,0} = 399_1$
					$\varphi_{20,1} = 399_2$
$114_2 = \chi_{24+}$	1	.	1	.	
$798_2 = \chi_{42+}$	.	1	.	1	
$912_1 = \chi_{43+}$	1	1	1	1	

Block 3:	φ_{7+}	
$576_1 = \chi_{7+}$	1	$\varphi_{7+} = 576_1$
$576_4 = \chi_{28+}$	1	
$576_5 = \chi_{29+}$	1	

Block 4:	φ_{9+}	
$576_2 = \chi_{9+}$	1	$\varphi_{9+} = 576_2$
$576_6 = \chi_{30+}$	1	
$576_7 = \chi_{31+}$	1	

Block 5:	φ_{11+}	
$576_3 = \chi_{11+}$	1	$\varphi_{11+} = 576_3$
$576_8 = \chi_{32+}$	1	
$576_9 = \chi_{33+}$	1	

Block 6₁, 6₂:	$\varphi_{13,0}$	$\varphi_{13,1}$	
$342_1 = \chi_{13,0}$	1	.	$\varphi_{13,0} = 342_1$ $\varphi_{13,1} = 342_2$
$342_2 = \chi_{13,1}$	.	1	
$684_3 = \chi_{34+}$	1	1	

Block 7₁, 7₂:	$\varphi_{14,0}$	$\varphi_{14,1}$	
$342_3 = \chi_{14,0}$	1	.	$\varphi_{14,0} = 342_3$ $\varphi_{14,1} = 342_4$
$342_4 = \chi_{14,1}$	.	1	
$684_4 = \chi_{35+}$	1	1	

Block 8₁, 8₂:	$\varphi_{15,0}$	$\varphi_{15,1}$	
$342_5 = \chi_{15,0}$	1	.	$\varphi_{15,0} = 342_5$ $\varphi_{15,1} = 342_6$
$342_6 = \chi_{15,1}$	.	1	
$684_5 = \chi_{36+}$	1	1	

Block 9:	φ_{16+}
$684_1 = \chi_{16+}$	1
$684_6 = \chi_{37+}$	1
$684_7 = \chi_{38+}$	1

$$\varphi_{16+} = 684_1$$

Block 10:	φ_{18+}
$684_2 = \chi_{18+}$	1
$684_8 = \chi_{39+}$	1
$684_9 = \chi_{40+}$	1

$$\varphi_{18+} = 684_2$$