

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

	blocks	defect	matrix
$G :$	1	3	24×17
	2	0	$343_1 = \chi_{20,0}, \varphi_{17,0}$
	3	0	$343_2 = \chi_{20,1}, \varphi_{17,1}$
$3.G :$	4	3	21×16

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	φ_{3+}	$\varphi_{5,0}$	$\varphi_{5,1}$	φ_{6+}	φ_{8+}	$\varphi_{10,0}$	$\varphi_{10,1}$	φ_{11+}	$\varphi_{13,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$56_1 = \chi_{2,0}$	.	.	.	.	.	.	.	1	.	.	.	.	.
$56_2 = \chi_{2,1}$	.	.	.	.	.	.	.	1	.	.	.	.	.
$57_1 = \chi_{3,0}$	.	.	.	.	1	.	.	.	.	.	1	.	.
$57_2 = \chi_{3,1}$	.	.	.	.	1	.	.	.	.	1	.	.	.
$152_1 = \chi_{4,0}$	.	.	.	1	.	.	1	.	.	.	.	.	1
$152_2 = \chi_{4,1}$	.	.	1	.	.	1	.	.	.	.	.	.	.
$304_1 = \chi_{5+}$	.	.	1	1	.	1	1	.	.	.	.	.	1
$576_1 = \chi_{7+}$	.	.	2	2	2	1	1	.	.	1	1	1	1
$576_2 = \chi_{9+}$	.	.	.	.	1	.	.	1	1	.	.	.	.
$576_3 = \chi_{11+}$	1	1	.	.	.	1	1	.	1	.	.	1	.
$342_1 = \chi_{13,0}$	1	.	.	1	1	1	1	.	.	.	.	1	1
$342_2 = \chi_{13,1}$	.	1	1	.	1	1	1	.	.	.	.	1	.
$342_3 = \chi_{14,0}$	.	.	1	2	1	.	1	.	.	.	1	.	1
$342_4 = \chi_{14,1}$	.	.	2	1	1	1	.	.	.	1	.	.	1
$342_5 = \chi_{15,0}$	1	.	.	.	.	.	.	1	1	.	.	.	.
$342_6 = \chi_{15,1}$	.	1	.	.	.	.	.	1	1	.	.	.	.
$684_1 = \chi_{16+}$	.	.	1	1	1	1	1	.	1	1	1	1	.
$684_2 = \chi_{18+}$	1	1	.	.	2	.	.	.	1	.	.	1	.
$399_1 = \chi_{21,0}$	.	.	.	.	.	.	2	.	.	.	1	.	.
$399_2 = \chi_{21,1}$	.	.	.	.	.	2	.	.	.	1	.	.	.
$456_1 = \chi_{22,0}$	1	.	.	1	1	.	.	.	1	.	.	1	.
$456_2 = \chi_{22,1}$	.	1	1	.	1	.	.	.	1	.	.	1	.

(Block 1:)	$\varphi_{13,1}$	φ_{14+}	$\varphi_{16,0}$	$\varphi_{16,1}$	
$1_1 = \chi_{1,0}$	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.
$56_1 = \chi_{2,0}$	.	.	.	.	$\varphi_{1,0} = 1_1$
$56_2 = \chi_{2,1}$	.	.	.	.	$\varphi_{1,1} = 1_2$
$57_1 = \chi_{3,0}$	.	.	.	.	$\varphi_{2,0} = 8_1$
$57_2 = \chi_{3,1}$	.	.	.	.	$\varphi_{2,1} = 8_2$
$152_1 = \chi_{4,0}$	.	.	.	.	$\varphi_{3+} = 20_1$
$152_2 = \chi_{4,1}$	1	.	.	.	$\varphi_{5,0} = 27_1$
$304_1 = \chi_{5+}$	1	.	.	.	$\varphi_{5,1} = 27_2$
$576_1 = \chi_{7+}$	1	.	.	.	$\varphi_{6+} = 56_1$
$576_2 = \chi_{9+}$	.	.	1	1	$\varphi_{8+} = 70_1$
$576_3 = \chi_{11+}$	.	1	.	.	$\varphi_{10,0} = 37_1$
$342_1 = \chi_{13,0}$	.	.	.	.	$\varphi_{10,1} = 37_2$
$342_2 = \chi_{13,1}$	1	.	.	.	$\varphi_{11+} = 142_1$
$342_3 = \chi_{14,0}$	1	.	.	.	$\varphi_{13,0} = 117_1$
$342_4 = \chi_{14,1}$	1	.	.	.	$\varphi_{13,1} = 117_2$
$342_5 = \chi_{15,0}$	.	.	.	1	$\varphi_{14+} = 308_1$
$342_6 = \chi_{15,1}$	.	.	1	.	$\varphi_{16,0} = 215_1$
$684_1 = \chi_{16+}$	.	1	.	.	$\varphi_{16,1} = 215_2$
$684_2 = \chi_{18+}$	.	.	1	1	
$399_1 = \chi_{21,0}$	.	1	.	.	
$399_2 = \chi_{21,1}$	.	1	.	.	
$456_1 = \chi_{22,0}$	.	.	.	1	
$456_2 = \chi_{22,1}$	.	.	1	.	

Block 4:	φ_{18+}	φ_{19+}	φ_{20+}	φ_{21+}	φ_{22+}	φ_{23+}	φ_{24+}	φ_{25+}	φ_{26+}	φ_{27+}	φ_{28+}
$114_1 = \chi_{23+}$	.	1	1	.	.	.	.	1	.	.	.
$114_2 = \chi_{24+}$	1	.	.	.	1	.	1	.	.	.	.
$192_1 = \chi_{25+}$	.	1	.	1	.	.	.	.	.	.	1
$192_2 = \chi_{26+}$	.	1	.	1	.	.	.	.	.	.	1
$192_3 = \chi_{27+}$	.	1	.	1	.	.	.	.	.	.	1
$576_4 = \chi_{28+}$	.	.	1	.	.	.	.	.	.	.	.
$576_5 = \chi_{29+}$	1	1	.	2	.	1	.	1	.	.	1
$576_6 = \chi_{30+}$	1	.	.	.	.	1	.	.	1	.	.
$576_7 = \chi_{31+}$	1	.	1	1	.	1	1	1	.	.	.
$576_8 = \chi_{32+}$	.	.	.	.	1	1	1	.	.	.	.
$576_9 = \chi_{33+}$	.	1	1	.	.	.	.	.	1	1	.
$684_3 = \chi_{34+}$	.	1	.	1	.	1	.	1	1	.	.
$684_4 = \chi_{35+}$	1	.	1	.	1	1	1	1	.	.	.
$684_5 = \chi_{36+}$	1	2	1	1	.	1	.	1	.	.	1
$684_6 = \chi_{37+}$	1	1	.	3	.	1	.	.	.	.	2
$684_7 = \chi_{38+}$	1	.	1	.	.	1	1	.	1	1	.
$684_8 = \chi_{39+}$	.	.	1	.	1	.	1	.	.	.	.
$684_9 = \chi_{40+}$	1	1	.	1	.	.	.	.	1	.	.
$798_1 = \chi_{41+}$	.	.	.	.	.	2	.	1	.	.	.
$798_2 = \chi_{42+}$	.	.	2	.	.	.	1	.	.	1	.
$912_1 = \chi_{43+}$	1	1	.	2	.	1	.	.	1	.	1

(Block 4:)	φ_{29+}	φ_{30+}	φ_{31+}	φ_{32+}	φ_{33+}		
$114_1 = \chi_{23+}$		
$114_2 = \chi_{24+}$		
$192_1 = \chi_{25+}$	$\varphi_{18+} = 6_1$	
$192_2 = \chi_{26+}$	$\varphi_{19+} = 12_1$	
$192_3 = \chi_{27+}$	$\varphi_{20+} = 30_1$	
$576_4 = \chi_{28+}$	1	$\varphi_{21+} = 30_2$	
$576_5 = \chi_{29+}$.	1	.	.	.	$\varphi_{22+} = 42_1$	
$576_6 = \chi_{30+}$	1	1	.	.	.	$\varphi_{23+} = 48_1$	
$576_7 = \chi_{31+}$.	.	1	.	.	$\varphi_{24+} = 66_1$	
$576_8 = \chi_{32+}$.	.	.	1	.	$\varphi_{25+} = 72_1$	
$576_9 = \chi_{33+}$.	.	1	.	.	$\varphi_{26+} = 84_1$	
$684_3 = \chi_{34+}$	1	1	.	.	.	$\varphi_{27+} = 126_1$	
$684_4 = \chi_{35+}$.	.	.	1	.	$\varphi_{28+} = 150_1$	
$684_5 = \chi_{36+}$.	.	1	.	.	$\varphi_{29+} = 210_1$	
$684_6 = \chi_{37+}$.	1	.	.	.	$\varphi_{30+} = 228_1$	
$684_7 = \chi_{38+}$.	.	1	.	.	$\varphi_{31+} = 324_1$	
$684_8 = \chi_{39+}$	1	$\varphi_{32+} = 420_1$	
$684_9 = \chi_{40+}$.	1	1	.	.	$\varphi_{33+} = 546_1$	
$798_1 = \chi_{41+}$	1	.	.	1	.		
$798_2 = \chi_{42+}$	1		
$912_1 = \chi_{43+}$.	1	1	.	.		