

## $L_3(5).2 \pmod{5}$

	blocks	defect	matrix
$G :$	1	3	$25 \times 18$
	2	0	$125_1 = \chi_{26,0}, \varphi_{25,0}$
	3	0	$125_2 = \chi_{26,1}, \varphi_{25,1}$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2+}$	$\varphi_{4+}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7+}$	$\varphi_{9+}$	$\varphi_{11+}$	$\varphi_{13+}$	$\varphi_{15,0}$	$\varphi_{15,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.
$30_1 = \chi_{2,0}$	.	.	.	.	.	.	.	1	.	.	.	.
$30_2 = \chi_{2,1}$	.	.	.	.	.	.	.	1	.	.	.	.
$31_1 = \chi_{3,0}$	.	.	.	1	.	.	.	.	.	.	1	.
$31_2 = \chi_{3,1}$	.	.	.	1	.	.	.	.	.	.	.	1
$62_1 = \chi_{4+}$	.	.	1	.	.	.	1	.	.	1	.	.
$192_1 = \chi_{6+}$	.	.	.	1	.	.	.	.	.	.	.	.
$192_2 = \chi_{8+}$	1	1	.	1	.	.	.	.	1	.	.	.
$192_3 = \chi_{10+}$	.	.	2	1	1	1	.	.	.	1	1	1
$192_4 = \chi_{12+}$	.	.	1	.	.	.	.	1	1	.	.	.
$192_5 = \chi_{14+}$	.	.	.	.	1	1	1	.	.	1	.	.
$124_1 = \chi_{16,0}$	1	.	.	.	.	.	.	1	1	.	.	.
$124_2 = \chi_{16,1}$	.	1	.	.	.	.	.	1	1	.	.	.
$124_3 = \chi_{17,0}$	1	.	1	1	.	1	.	.	.	.	1	.
$124_4 = \chi_{17,1}$	.	1	1	1	1	.	.	.	.	.	.	1
$248_1 = \chi_{18+}$	.	.	1	1	1	1	1	.	.	1	1	1
$248_2 = \chi_{20+}$	.	.	1	1	1	1	.	.	1	1	.	.
$248_3 = \chi_{22+}$	1	1	2	.	.	.	.	.	1	.	.	.
$248_4 = \chi_{24+}$	.	.	.	1	.	.	1	.	.	1	.	.
$155_1 = \chi_{27,0}$	.	.	.	.	.	2	.	.	.	.	1	.
$155_2 = \chi_{27,1}$	.	.	.	.	2	.	.	.	.	.	.	1
$310_1 = \chi_{28+}$	.	.	.	2	.	.	.	.	.	1	.	.
$186_1 = \chi_{30,0}$	1	.	1	.	.	1	.	.	1	.	.	.
$186_2 = \chi_{30,1}$	.	1	1	.	1	.	.	.	1	.	.	.

(Block 1:)	$\varphi_{16+}$	$\varphi_{18+}$	$\varphi_{20+}$	$\varphi_{22,0}$	$\varphi_{22,1}$	$\varphi_{23+}$		
$1_1 = \chi_{1,0}$	.	.	.	.	.	.		
$1_2 = \chi_{1,1}$	.	.	.	.	.	.		
$30_1 = \chi_{2,0}$	.	.	.	.	.	.		$\varphi_{1,0} = 1_1$
$30_2 = \chi_{2,1}$	.	.	.	.	.	.		$\varphi_{1,1} = 1_2$
$31_1 = \chi_{3,0}$	.	.	.	.	.	.		$\varphi_{2+} = 6_1$
$31_2 = \chi_{3,1}$	.	.	.	.	.	.		$\varphi_{4+} = 12_1$
$62_1 = \chi_{4+}$	.	.	.	.	.	.		$\varphi_{6,0} = 8_1$
$192_1 = \chi_{6+}$	.	.	.	.	.	1		$\varphi_{6,1} = 8_2$
$192_2 = \chi_{8+}$	1	1	.	.	.	.		$\varphi_{7+} = 20_1$
$192_3 = \chi_{10+}$	.	1	.	.	.	.		$\varphi_{9+} = 30_1$
$192_4 = \chi_{12+}$	.	.	.	1	1	.		$\varphi_{11+} = 30_2$
$192_5 = \chi_{14+}$	.	.	1	.	.	.		$\varphi_{13+} = 36_1$
$124_1 = \chi_{16,0}$	.	.	.	.	1	.		$\varphi_{15,0} = 19_1$
$124_2 = \chi_{16,1}$	.	.	.	1	.	.		$\varphi_{15,1} = 19_2$
$124_3 = \chi_{17,0}$	.	1	.	.	.	.		$\varphi_{16+} = 70_1$
$124_4 = \chi_{17,1}$	.	1	.	.	.	.		$\varphi_{18+} = 78_1$
$248_1 = \chi_{18+}$	.	.	1	.	.	.		$\varphi_{20+} = 120_1$
$248_2 = \chi_{20+}$	1	1	.	.	.	.		$\varphi_{22,0} = 63_1$
$248_3 = \chi_{22+}$	.	1	.	1	1	.		$\varphi_{22,1} = 63_2$
$248_4 = \chi_{24+}$	.	.	.	.	.	1		$\varphi_{23+} = 180_1$
$155_1 = \chi_{27,0}$	.	.	1	.	.	.		
$155_2 = \chi_{27,1}$	.	.	1	.	.	.		
$310_1 = \chi_{28+}$	1	.	.	.	.	1		
$186_1 = \chi_{30,0}$	.	1	.	.	1	.		
$186_2 = \chi_{30,1}$	.	1	.	1	.	.		