$L_3(5).2$ (mod 31)

	blocks	defect	matrix
$G:$	1	1	11×6
	2	0	$31_1 = \chi_{3,0}, \varphi_{3,0}$
	3	0	$31_2 = \chi_{3,1}, \varphi_{3,1}$
	4	0	$62_1 = \chi_{4+}, \varphi_{4+}$
	5	0	$124_1 = \chi_{16,0}, \varphi_{7,0}$
	6	0	$124_2 = \chi_{16,1}, \varphi_{7,1}$
	7	0	$124_3 = \chi_{17,0}, \varphi_{8,0}$
	8	0	$124_4 = \chi_{17,1}, \varphi_{8,1}$
	9	0	$248_1 = \chi_{18+}, \varphi_{9+}$

	blocks	defect	matrix
	10	0	$248_2 = \chi_{20+}, \varphi_{11+}$
	11	0	$248_3 = \chi_{22+}, \varphi_{13+}$
	12	0	$248_4 = \chi_{24+}, \varphi_{15+}$
	13	0	$155_1 = \chi_{27,0}, \varphi_{17,0}$
	14	0	$155_2 = \chi_{27,1}, \varphi_{17,1}$
	15	0	$310_1 = \chi_{28+}, \varphi_{18+}$
	16	0	$186_1 = \chi_{30,0}, \varphi_{20,0}$
	17	0	$186_2 = \chi_{30,1}, \varphi_{20,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.
$30_1 = \chi_{2,0}$	1	.	1	.	.	.
$30_2 = \chi_{2,1}$	.	1	.	1	.	.
$192_1 = \chi_{6+}$	.	.	.	.	1	1
$192_2 = \chi_{8+}$	.	.	.	.	1	1
$192_3 = \chi_{10+}$	.	.	.	.	1	1
$192_4 = \chi_{12+}$	.	.	.	.	1	1
$192_5 = \chi_{14+}$	.	.	.	.	1	1
$125_1 = \chi_{26,0}$	.	.	.	1	1	.
$125_2 = \chi_{26,1}$	.	.	1	.	.	1

$\varphi_{1,0} = 1_1$
$\varphi_{1,1} = 1_2$
$\varphi_{2,0} = 29_1$
$\varphi_{2,1} = 29_2$
$\varphi_{6,0} = 96_1$
$\varphi_{6,1} = 96_2$