$L_2(31).2$ (mod 5)

	blocks	defect	matrix
$G:$	1	1	4×2
	2	1	4×2
	3	0	$30_1 = \chi_{2+}, \varphi_{2+}$
	4	0	$30_2 = \chi_{4,0}, \varphi_{4,0}$
	5	0	$30_3 = \chi_{4,1}, \varphi_{4,1}$
	6	0	$30_4 = \chi_{5,0}, \varphi_{5,0}$
	7	0	$30_5 = \chi_{5,1}, \varphi_{5,1}$
	8	0	$30_6 = \chi_{6,0}, \varphi_{6,0}$
	9	0	$30_7 = \chi_{6,1}, \varphi_{6,1}$
	10	0	$30_8 = \chi_{7,0}, \varphi_{7,0}$
	11	0	$30_9 = \chi_{7,1}, \varphi_{7,1}$
	12	0	$30_{10} = \chi_{8,0}, \varphi_{8,0}$
	13	0	$30_{11} = \chi_{8,1}, \varphi_{8,1}$
	14	0	$30_{12} = \chi_{9,0}, \varphi_{9,0}$
	15	0	$30_{13} = \chi_{9,1}, \varphi_{9,1}$
	16	0	$30_{14} = \chi_{10,0}, \varphi_{10,0}$
	17	0	$30_{15} = \chi_{10,1}, \varphi_{10,1}$
	18	1	5×1
	19	1	5×1

	blocks	defect	matrix
$2.G:$	20	1	5×1
	21	0	$30_{16} = \chi_{21,0}, \varphi_{15,0}$
	22	0	$30_{17} = \chi_{21,1}, \varphi_{15,1}$
	23	0	$30_{18} = \chi_{22,0}, \varphi_{16,0}$
	24	0	$30_{19} = \chi_{22,1}, \varphi_{16,1}$
	25	0	$30_{20} = \chi_{23,0}, \varphi_{17,0}$
	26	0	$30_{21} = \chi_{23,1}, \varphi_{17,1}$
	27	0	$30_{22} = \chi_{24,0}, \varphi_{18,0}$
	28	0	$30_{23} = \chi_{24,1}, \varphi_{18,1}$
	29	0	$30_{24} = \chi_{25,0}, \varphi_{19,0}$
	30	0	$30_{25} = \chi_{25,1}, \varphi_{19,1}$
	31	0	$30_{26} = \chi_{26,0}, \varphi_{20,0}$
	32	0	$30_{27} = \chi_{26,1}, \varphi_{20,1}$
	33	0	$30_{28} = \chi_{27,0}, \varphi_{21,0}$
	34	0	$30_{29} = \chi_{27,1}, \varphi_{21,1}$
	35	0	$30_{30} = \chi_{28,0}, \varphi_{22,0}$
	36	0	$30_{31} = \chi_{28,1}, \varphi_{22,1}$
	37	1	5×1
	38	1	5×1

Block 1:	$\varphi_{1,0}$	$\varphi_{11,0}$
$1_1 = \chi_{1,0}$	1	.
$31_1 = \chi_{11,0}$	.	1
$32_3 = \chi_{13,0}$	1	1
$32_5 = \chi_{14,0}$	1	1

$$\varphi_{1,0} = 1_1$$
$$\varphi_{11,0} = 31_1$$

Block 2:	$\varphi_{1,1}$	$\varphi_{11,1}$
$1_2 = \chi_{1,1}$	1	.
$31_2 = \chi_{11,1}$	.	1
$32_4 = \chi_{13,1}$	1	1
$32_6 = \chi_{14,1}$	1	1

$$\varphi_{1,1} = 1_2$$
$$\varphi_{11,1} = 31_2$$

Block 18:	$\varphi_{12,0}$
$32_1 = \chi_{12,0}$	1
$32_7 = \chi_{15,0}$	1
$32_9 = \chi_{16,0}$	1
$32_{11} = \chi_{17,0}$	1
$32_{13} = \chi_{18,0}$	1

$$\varphi_{12,0} = 32_1$$

Block 19:	$\varphi_{12,1}$
$32_2 = \chi_{12,1}$	1
$32_8 = \chi_{15,1}$	1
$32_{10} = \chi_{16,1}$	1
$32_{12} = \chi_{17,1}$	1
$32_{14} = \chi_{18,1}$	1

$$\varphi_{12,1} = 32_2$$

Block 20:	φ_{13+}
$32_{15} = \chi_{19+}$	1
$32_{18} = \chi_{30,0}$	1
$32_{19} = \chi_{30,1}$	1
$32_{20} = \chi_{31,0}$	1
$32_{21} = \chi_{31,1}$	1

$$\varphi_{13+} = 32_3$$

Block 37:	$\varphi_{23,0}$
$32_{16} = \chi_{29,0}$	1
$32_{22} = \chi_{32,0}$	1
$32_{24} = \chi_{33,0}$	1
$32_{26} = \chi_{34,0}$	1
$32_{28} = \chi_{35,0}$	1

$$\varphi_{23,0} = 32_4$$

Block 38:	$\varphi_{23,1}$
$32_{17} = \chi_{29,1}$	1
$32_{23} = \chi_{32,1}$	1
$32_{25} = \chi_{33,1}$	1
$32_{27} = \chi_{34,1}$	1
$32_{29} = \chi_{35,1}$	1

$$\varphi_{23,1} = 32_5$$