$L_2(31) \pmod 5$

	blocks	defect	matrix
$G:$	1	1	4×2
	2	0	$15_1 = \chi_2, \varphi_2$
	$3 = \overline{2}$	0	$15_2 = \chi_3, \varphi_3$
	4	0	$30_1 = \chi_4, \varphi_4$
	5	0	$30_2 = \chi_5, \varphi_5$
	6	0	$30_3 = \chi_6, \varphi_6$
	7	0	$30_4 = \chi_7, \varphi_7$
	8	0	$30_5 = \chi_8, \varphi_8$
	9	0	$30_6 = \chi_9, \varphi_9$
	10	0	$30_7 = \chi_{10}, \varphi_{10}$
	11	1	5×1

	blocks	defect	matrix
$2.G:$	12	1	4×2
	13	0	$30_8 = \chi_{21}, \varphi_{15}$
	14	0	$30_9 = \chi_{22}, \varphi_{16}$
	15	0	$30_{10} = \chi_{23}, \varphi_{17}$
	16	0	$30_{11} = \chi_{24}, \varphi_{18}$
	17	0	$30_{12} = \chi_{25}, \varphi_{19}$
	18	0	$30_{13} = \chi_{26}, \varphi_{20}$
	19	0	$30_{14} = \chi_{27}, \varphi_{21}$
	20	0	$30_{15} = \chi_{28}, \varphi_{22}$
	21	1	5×1

Block 1:	φ_1	φ_{11}
$1_1 = \chi_1$	1	.
$31_1 = \chi_{11}$	.	1
$32_2 = \chi_{13}$	1	1
$32_3 = \chi_{14}$	1	1

$\varphi_1 = 1_1$
$\varphi_{11} = 31_1$

Block 11:	φ_{12}
$32_1 = \chi_{12}$	1
$32_4 = \chi_{15}$	1
$32_5 = \chi_{16}$	1
$32_6 = \chi_{17}$	1
$32_7 = \chi_{18}$	1

$\varphi_{12} = 32_1$

Block 12:	φ_{13}	φ_{14}
$16_1 = \chi_{19}$	1	.
$16_2 = \chi_{20}$	.	1
$32_9 = \chi_{30}$	1	1
$32_{10} = \chi_{31}$	1	1

$\varphi_{13} = 16_1$
$\varphi_{14} = 16_2$

Block 21:	φ_{23}
$32_8 = \chi_{29}$	1
$32_{11} = \chi_{32}$	1
$32_{12} = \chi_{33}$	1
$32_{13} = \chi_{34}$	1
$32_{14} = \chi_{35}$	1

$$\varphi_{23} = 32_2$$