$L_5(2) \pmod{31}$

	blocks	defect	matrix
$G:$	1	1	11×5
	2	0	$124_1 = \chi_3, \varphi_3$
	3	0	$155_1 = \chi_4, \varphi_4$
	4	0	$217_1 = \chi_5, \varphi_5$
	5	0	$465_1 = \chi_{13}, \varphi_8$
	$6 = \overline{5}$	0	$465_2 = \chi_{14}, \varphi_9$
	7	0	$465_3 = \chi_{15}, \varphi_{10}$
	$8 = \overline{7}$	0	$465_4 = \chi_{16}, \varphi_{11}$
	9	0	$496_1 = \chi_{17}, \varphi_{12}$

	blocks	defect	matrix
	10	0	$651_1 = \chi_{18}, \varphi_{13}$
	11	0	$651_2 = \chi_{19}, \varphi_{14}$
	$12 = \overline{11}$	0	$651_3 = \chi_{20}, \varphi_{15}$
	13	0	$868_1 = \chi_{21}, \varphi_{17}$
	14	0	$930_1 = \chi_{22}, \varphi_{18}$
	15	0	$930_2 = \chi_{23}, \varphi_{19}$
	$16 = \overline{15}$	0	$930_3 = \chi_{24}, \varphi_{20}$
	17	0	$1240_1 = \chi_{27}, \varphi_{21}$

Block 1:	φ_1	φ_2	φ_6	φ_7	φ_{16}
$1_1 = \chi_1$	1	.	.	.	.
$30_1 = \chi_2$	1	1	.	.	.
$280_1 = \chi_6$	.	1	1	.	.
$315_1 = \chi_7$	.	.	.	1	.
$315_2 = \chi_8$	.	.	.	1	.
$315_3 = \chi_9$	.	.	.	1	.
$315_4 = \chi_{10}$	.	.	.	1	.
$315_5 = \chi_{11}$	.	.	.	1	.
$315_6 = \chi_{12}$	.	.	.	1	.
$960_1 = \chi_{25}$	.	.	1	.	1
$1024_1 = \chi_{26}$	.	.	.	1	1

$\varphi_1 = 1_1$
$\varphi_2 = 29_1$
$\varphi_6 = 251_1$
$\varphi_7 = 315_1$
$\varphi_{16} = 709_1$