$L_5(2) \pmod 5$

	blocks	defect	matrix
$G:$	1	1	5×4
	2	0	$30_1 = \chi_2, \varphi_2$
	3	0	$155_1 = \chi_4, \varphi_4$
	4	1	4×2
	5	0	$280_1 = \chi_6, \varphi_6$
	6	0	$315_1 = \chi_7, \varphi_7$
	$7 = \overline{6}$	0	$315_2 = \chi_8, \varphi_8$
	8	0	$315_3 = \chi_9, \varphi_9$
	$9 = \overline{8}$	0	$315_4 = \chi_{10}, \varphi_{10}$
	10	0	$315_5 = \chi_{11}, \varphi_{11}$

	blocks	defect	matrix
	$11 = \overline{10}$	0	$315_6 = \chi_{12}, \varphi_{12}$
	12	0	$465_1 = \chi_{13}, \varphi_{14}$
	$13 = \overline{12}$	0	$465_2 = \chi_{14}, \varphi_{15}$
	14	0	$465_3 = \chi_{15}, \varphi_{16}$
	$15 = \overline{14}$	0	$465_4 = \chi_{16}, \varphi_{17}$
	16	0	$930_1 = \chi_{22}, \varphi_{20}$
	17	0	$930_2 = \chi_{23}, \varphi_{21}$
	$18 = \overline{17}$	0	$930_3 = \chi_{24}, \varphi_{22}$
	19	0	$960_1 = \chi_{25}, \varphi_{23}$
	20	0	$1240_1 = \chi_{27}, \varphi_{24}$

Block 1:	φ_1	φ_3	φ_{13}	φ_{18}
$1_1 = \chi_1$	1	.	.	.
$124_1 = \chi_3$	1	1	.	.
$496_1 = \chi_{17}$	.	1	1	.
$651_1 = \chi_{18}$	.	.	.	1
$1024_1 = \chi_{26}$	.	.	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_3 &= 123_1 \\ \varphi_{13} &= 373_1 \\ \varphi_{18} &= 651_1 \end{aligned}$$

Block 4:	φ_5	φ_{19}
$217_1 = \chi_5$	1	.
$651_2 = \chi_{19}$	.	1
$651_3 = \chi_{20}$	.	1
$868_1 = \chi_{21}$	1	1

$$\begin{aligned} \varphi_5 &= 217_1 \\ \varphi_{19} &= 651_2 \end{aligned}$$