

$L_5(2).2 \pmod{31}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	13×10		12	0	$651_1 = \chi_{18,0}, \varphi_{13,0}$
	2	0	$124_1 = \chi_{3,0}, \varphi_{3,0}$		13	0	$651_2 = \chi_{18,1}, \varphi_{13,1}$
	3	0	$124_2 = \chi_{3,1}, \varphi_{3,1}$		14	0	$1302_1 = \chi_{19+}, \varphi_{14+}$
	4	0	$155_1 = \chi_{4,0}, \varphi_{4,0}$		15	0	$868_1 = \chi_{21,0}, \varphi_{17,0}$
	5	0	$155_2 = \chi_{4,1}, \varphi_{4,1}$		16	0	$868_2 = \chi_{21,1}, \varphi_{17,1}$
	6	0	$217_1 = \chi_{5,0}, \varphi_{5,0}$		17	0	$930_3 = \chi_{22,0}, \varphi_{18,0}$
	7	0	$217_2 = \chi_{5,1}, \varphi_{5,1}$		18	0	$930_4 = \chi_{22,1}, \varphi_{18,1}$
	8	0	$930_1 = \chi_{13+}, \varphi_{8+}$		19	0	$1860_1 = \chi_{23+}, \varphi_{19+}$
	9	0	$930_2 = \chi_{15+}, \varphi_{10+}$		20	0	$1240_1 = \chi_{27,0}, \varphi_{21,0}$
	10	0	$496_1 = \chi_{17,0}, \varphi_{12,0}$		21	0	$1240_2 = \chi_{27,1}, \varphi_{21,1}$
	11	0	$496_2 = \chi_{17,1}, \varphi_{12,1}$				

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$	$\varphi_{16,0}$	$\varphi_{16,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.
$30_1 = \chi_{2,0}$	1	.	1	.	.	.	.	.	.	.
$30_2 = \chi_{2,1}$	.	1	.	1	.	.	.	.	.	.
$280_1 = \chi_{6,0}$	.	.	.	1	1	.	.	.	.	.
$280_2 = \chi_{6,1}$	.	.	1	.	.	1	.	.	.	.
$630_1 = \chi_{7+}$	.	.	.	.	.	.	1	1	.	.
$630_2 = \chi_{9+}$	.	.	.	.	.	.	1	1	.	.
$630_3 = \chi_{11+}$	.	.	.	.	.	.	1	1	.	.
$960_1 = \chi_{25,0}$	.	.	.	.	1	.	.	.	1	.
$960_2 = \chi_{25,1}$	.	.	.	.	.	1	.	.	.	1
$1024_1 = \chi_{26,0}$	.	.	.	.	.	.	1	.	.	1
$1024_2 = \chi_{26,1}$	.	.	.	.	.	.	.	1	1	.

$$\begin{array}{ll}
 \varphi_{1,0} & = 1_1 \\
 \varphi_{1,1} & = 1_2 \\
 \varphi_{2,0} & = 29_1 \\
 \varphi_{2,1} & = 29_2 \\
 \varphi_{6,0} & = 251_1 \\
 \varphi_{6,1} & = 251_2 \\
 \varphi_{7,0} & = 315_1 \\
 \varphi_{7,1} & = 315_2 \\
 \varphi_{16,0} & = 709_1 \\
 \varphi_{16,1} & = 709_2
 \end{array}$$