$L_2(11).2 \quad (\mathrm{mod}\ 11)$

	blocks	defect	matrix
$G:$	1	1	11×10
	2	0	$11_1 = \chi_{6,0}, \varphi_{6,1}$
	3	0	$11_2 = \chi_{6,1}, \varphi_{6,0}$
$2.G:$	4	1	11×10

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.
$10_1 = \chi_{2+}$	.	.	.	.	1	1	.	.	.	.
$10_2 = \chi_{4,0}$	.	.	1	.	.	.	.	1	.	.
$10_3 = \chi_{4,1}$	.	.	.	1	.	.	1	.	.	.
$10_4 = \chi_{5,0}$	.	1	.	.	.	.	.	.	1	.
$10_5 = \chi_{5,1}$	1	.	.	.	.	.	.	.	.	1
$12_1 = \chi_{7,0}$	.	.	.	.	1	.	.	1	.	.
$12_2 = \chi_{7,1}$	.	.	.	.	.	1	1	.	.	.
$12_3 = \chi_{8,0}$	.	.	.	1	.	.	.	.	1	.
$12_4 = \chi_{8,1}$	.	.	1	.	.	.	.	.	.	1

$$\begin{array}{lcl} \varphi_{1,0} & = & 1_1 \\ \varphi_{1,1} & = & 1_2 \\ \varphi_{2,0} & = & 3_1 \\ \varphi_{2,1} & = & 3_2 \\ \varphi_{3,0} & = & 5_1 \end{array} \qquad \begin{array}{lcl} \varphi_{3,1} & = & 5_2 \\ \varphi_{4,0} & = & 7_1 \\ \varphi_{4,1} & = & 7_2 \\ \varphi_{5,0} & = & 9_1 \\ \varphi_{5,1} & = & 9_2 \end{array}$$

Block 4:	$\varphi_{7,0}$	$\varphi_{7,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{11,0}$	$\varphi_{11,1}$
$12_5 = \chi_{9+}$	.	.	.	.	1	1	.	.	.	.
$10_6 = \chi_{11,0}$	.	1	.	.	.	.	1	.	.	.
$10_7 = \chi_{11,1}$	1	.	.	.	.	.	.	1	.	.
$10_8 = \chi_{12,0}$	.	.	.	.	.	.	.	.	.	1
$10_9 = \chi_{12,1}$	.	.	.	.	.	.	.	.	1	.
$10_{10} = \chi_{13,0}$	.	.	.	1	1	.	.	.	.	.
$10_{11} = \chi_{13,1}$	.	.	1	.	.	1	.	.	.	.
$12_6 = \chi_{14,0}$	1	.	.	.	.	.	.	.	.	1
$12_7 = \chi_{14,1}$	.	1	.	.	.	.	.	.	1	.
$12_8 = \chi_{15,0}$	.	.	.	1	.	.	1	.	.	.
$12_9 = \chi_{15,1}$	.	.	1	.	.	.	.	1	.	.

$$
\begin{array}{lcllcl}
\varphi_{7,0} & = & 2_1 & \varphi_{9,1} & = & 6_2 \\
\varphi_{7,1} & = & 2_2 & \varphi_{10,0} & = & 8_1 \\
\varphi_{8,0} & = & 4_1 & \varphi_{10,1} & = & 8_2 \\
\varphi_{8,1} & = & 4_2 & \varphi_{11,0} & = & 10_1 \\
\varphi_{9,0} & = & 6_1 & \varphi_{11,1} & = & 10_2
\end{array}
$$