

$L_2(11).2 \pmod{11}$

	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

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

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	.	.

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