$L_2(23).2 \quad (\mathbf{mod}\ 11)$

	blocks	defect	matrix
$G:$	1	1	7×2
	2	1	7×2
	3	0	$22_1 = \chi_{2+}, \varphi_{2+}$
	4	0	$22_2 = \chi_{4,0}, \varphi_{4,0}$
	5	0	$22_3 = \chi_{4,1}, \varphi_{4,1}$
	6	0	$22_4 = \chi_{5,0}, \varphi_{5,0}$
	7	0	$22_5 = \chi_{5,1}, \varphi_{5,1}$
	8	0	$22_6 = \chi_{6,0}, \varphi_{6,0}$
	9	0	$22_7 = \chi_{6,1}, \varphi_{6,1}$
	10	0	$22_8 = \chi_{7,0}, \varphi_{7,0}$
	11	0	$22_9 = \chi_{7,1}, \varphi_{7,1}$
	12	0	$22_{10} = \chi_{8,0}, \varphi_{8,0}$
	13	0	$22_{11} = \chi_{8,1}, \varphi_{8,1}$

	blocks	defect	matrix
$2.G:$	14	1	11×1
	15	0	$22_{12} = \chi_{17,0}, \varphi_{12,0}$
	16	0	$22_{13} = \chi_{17,1}, \varphi_{12,1}$
	17	0	$22_{14} = \chi_{18,0}, \varphi_{13,0}$
	18	0	$22_{15} = \chi_{18,1}, \varphi_{13,1}$
	19	0	$22_{16} = \chi_{19,0}, \varphi_{14,0}$
	20	0	$22_{17} = \chi_{19,1}, \varphi_{14,1}$
	21	0	$22_{18} = \chi_{20,0}, \varphi_{15,0}$
	22	0	$22_{19} = \chi_{20,1}, \varphi_{15,1}$
	23	0	$22_{20} = \chi_{21,0}, \varphi_{16,0}$
	24	0	$22_{21} = \chi_{21,1}, \varphi_{16,1}$
	25	0	$22_{22} = \chi_{22,0}, \varphi_{17,0}$
	26	0	$22_{23} = \chi_{22,1}, \varphi_{17,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{9,0}$
$1_1 = \chi_{1,0}$	1	.
$23_1 = \chi_{9,0}$	.	1
$24_1 = \chi_{10,0}$	1	1
$24_3 = \chi_{11,0}$	1	1
$24_5 = \chi_{12,0}$	1	1
$24_7 = \chi_{13,0}$	1	1
$24_9 = \chi_{14,0}$	1	1

$\varphi_{1,0} = 1_1$
$\varphi_{9,0} = 23_1$

Block 2:	$\varphi_{1,1}$	$\varphi_{9,1}$
$1_2 = \chi_{1,1}$	1	.
$23_2 = \chi_{9,1}$	.	1
$24_2 = \chi_{10,1}$	1	1
$24_4 = \chi_{11,1}$	1	1
$24_6 = \chi_{12,1}$	1	1
$24_8 = \chi_{13,1}$	1	1
$24_{10} = \chi_{14,1}$	1	1

$\varphi_{1,1} = 1_2$
$\varphi_{9,1} = 23_2$

Block 14:	φ_{10+}
$24_{11} = \chi_{15+}$	1
$24_{12} = \chi_{23,0}$	1
$24_{13} = \chi_{23,1}$	1
$24_{14} = \chi_{24,0}$	1
$24_{15} = \chi_{24,1}$	1
$24_{16} = \chi_{25,0}$	1
$24_{17} = \chi_{25,1}$	1
$24_{18} = \chi_{26,0}$	1
$24_{19} = \chi_{26,1}$	1
$24_{20} = \chi_{27,0}$	1
$24_{21} = \chi_{27,1}$	1

$$\varphi_{10+} = 24_1$$