$L_2(25).2_2 \pmod 5$

	blocks	defect	matrix
$G:$	1	2	16×12
	2	0	$25_1 = \chi_{10,0}, \varphi_{13,0}$
	3	0	$25_2 = \chi_{10,1}, \varphi_{13,1}$
$2.G:$	4	2	10×6

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	φ_{2+}	$\varphi_{4,0}$	$\varphi_{4,1}$	φ_{5+}	φ_{7+}	$\varphi_{9,0}$	$\varphi_{9,1}$	φ_{10+}	$\varphi_{12,0}$	$\varphi_{12,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.
$13_1 = \chi_{2,0}$	.	.	.	1	.	.	.	1	.	.	.	.
$13_2 = \chi_{2,1}$	.	.	.	.	1	.	.	.	1	.	.	.
$13_3 = \chi_{3,0}$	.	.	.	.	1	.	.	1	.	.	.	.
$13_4 = \chi_{3,1}$	.	.	.	1	.	.	.	.	1	.	.	.
$48_1 = \chi_{4+}$	.	.	1	.	.	1	.	.	.	.	1	1
$48_2 = \chi_{6+}$	.	.	1	1	1	.	1	1	1	.	.	.
$48_3 = \chi_{8+}$	1	1	.	.	.	.	1	.	.	1	.	.
$26_1 = \chi_{11,0}$	1	.	.	.	.	.	1	1	.	.	.	.
$26_2 = \chi_{11,1}$	.	1	.	.	.	.	1	.	1	.	.	.
$26_3 = \chi_{12,0}$	.	.	1	.	1	.	.	.	.	.	.	1
$26_4 = \chi_{12,1}$	.	.	1	1	.	.	.	.	.	.	1	.
$26_5 = \chi_{13,0}$	.	.	.	.	.	1	.	.	.	.	.	1
$26_6 = \chi_{13,1}$	.	.	.	.	.	1	.	.	.	.	1	.
$52_1 = \chi_{14+}$	.	.	1	.	.	.	1	.	.	1	.	.

$\varphi_{1,0} = 1_1$
$\varphi_{1,1} = 1_2$
$\varphi_{2+} = 6_1$
$\varphi_{4,0} = 4_1$
$\varphi_{4,1} = 4_2$
$\varphi_{5+} = 10_1$
$\varphi_{7+} = 16_1$
$\varphi_{9,0} = 9_1$
$\varphi_{9,1} = 9_2$
$\varphi_{10+} = 30_1$
$\varphi_{12,0} = 16_2$
$\varphi_{12,1} = 16_3$

Block 4:	φ_{14+}	φ_{16+}	φ_{18+}	φ_{20+}	φ_{22+}	φ_{24+}
$12_1 = \chi_{16,0}$	.	.	1	.	.	.
$12_2 = \chi_{16,1}$	.	.	1	.	.	.
$12_3 = \chi_{17,0}$	.	.	1	.	.	.
$12_4 = \chi_{17,1}$	.	.	1	.	.	.
$48_4 = \chi_{18+}$	1	1	1	.	1	.
$48_5 = \chi_{20+}$	.	1	.	.	.	1
$48_6 = \chi_{22+}$	1	.	.	1	1	.
$52_2 = \chi_{24+}$	.	1	.	1	1	.
$52_3 = \chi_{26+}$	1	1	.	.	.	1
$52_4 = \chi_{28+}$	1	.	2	.	1	.

$\varphi_{14+} = 4_3$
$\varphi_{16+} = 8_1$
$\varphi_{18+} = 12_1$
$\varphi_{20+} = 20_1$
$\varphi_{22+} = 24_1$
$\varphi_{24+} = 40_1$