$L_2(23)$ (mod 2)

	blocks	defect	matrix
$2.G:$	1	4	9×3
	2	3	8×1
	3	1	2×1
	4	1	2×1
	5	1	2×1
	6	1	2×1
	7	1	2×1

Block 1:	φ_1	φ_2	φ_3
$1_1 = \chi_1$	1	.	.
$11_1 = \chi_2$	.	1	.
$11_2 = \chi_3$	.	.	1
$22_2 = \chi_5$	.	1	1
$23_1 = \chi_9$	1	1	1
$12_1 = \chi_{15}$	1	.	1
$12_2 = \chi_{16}$	1	1	.
$22_6 = \chi_{17}$	.	1	1
$22_7 = \chi_{18}$	.	1	1

$\varphi_1 = 1_1$
$\varphi_2 = 11_1$
$\varphi_3 = 11_2$

Block 2:	φ_4
$22_1 = \chi_4$	1
$22_3 = \chi_6$	1
$22_4 = \chi_7$	1
$22_5 = \chi_8$	1
$22_8 = \chi_{19}$	1
$22_9 = \chi_{20}$	1
$22_{10} = \chi_{21}$	1
$22_{11} = \chi_{22}$	1

$\varphi_4 = 22_1$

Block 3:	φ_5
$24_1 = \chi_{10}$	1
$24_6 = \chi_{23}$	1

$\varphi_5 = 24_1$

Block 4:	φ_6
$24_2 = \chi_{11}$	1
$24_7 = \chi_{24}$	1

$\varphi_6 = 24_2$

Block 5:	φ_7
$24_3 = \chi_{12}$	1
$24_8 = \chi_{25}$	1

$\varphi_7 = 24_3$

Block 6:	φ_8
$24_4 = \chi_{13}$	1
$24_9 = \chi_{26}$	1

$\varphi_8 = 24_4$

Block 7:	φ_9
$24_5 = \chi_{14}$	1
$24_{10} = \chi_{27}$	1

$\varphi_9 = 24_5$