

## $L_2(23) \pmod{2}$

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

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	
$1_1 = \chi_1$	1	.	.	$\varphi_1 = 1_1$ $\varphi_2 = 11_1$ $\varphi_3 = 11_2$
$11_1 = \chi_2$	.	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	

<b>Block 2:</b>	$\varphi_4$
$22_1 = \chi_4$	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

$\varphi_4 = 22_1$

<b>Block 3:</b>	$\varphi_5$
$24_1 = \chi_{10}$	1
$24_6 = \chi_{23}$	1

$\varphi_5 = 24_1$

<b>Block 4:</b>	$\varphi_6$	
$24_2 = \chi_{11}$	1	$\varphi_6 = 24_2$
$24_7 = \chi_{24}$	1	

<b>Block 5:</b>	$\varphi_7$	
$24_3 = \chi_{12}$	1	$\varphi_7 = 24_3$
$24_8 = \chi_{25}$	1	

<b>Block 6:</b>	$\varphi_8$	
$24_4 = \chi_{13}$	1	$\varphi_8 = 24_4$
$24_9 = \chi_{26}$	1	

<b>Block 7:</b>	$\varphi_9$	
$24_5 = \chi_{14}$	1	$\varphi_9 = 24_5$
$24_{10} = \chi_{27}$	1	