

$L_2(25) \pmod{2}$

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

Block 1:	φ_1	φ_2	φ_3	
$1_1 = \chi_1$	1	.	.	
$13_1 = \chi_2$	1	.	1	
$13_2 = \chi_3$	1	1	.	$\varphi_1 = 1_1$
$25_1 = \chi_{10}$	1	1	1	$\varphi_2 = 12_1$
$26_2 = \chi_{12}$	2	1	1	$\varphi_3 = 12_2$
$12_1 = \chi_{16}$	.	1	.	
$12_2 = \chi_{17}$	.	.	1	
$26_6 = \chi_{24}$	2	1	1	
$26_7 = \chi_{25}$	2	1	1	

Block 2:	φ_4	
$24_1 = \chi_4$	1	$\varphi_4 = 24_1$
$24_7 = \chi_{18}$	1	

Block 3:	φ_5	
$24_2 = \chi_5$	1	$\varphi_5 = 24_2$
$24_8 = \chi_{19}$	1	

Block 4:	φ_6	
$24_3 = \chi_6$	1	$\varphi_6 = 24_3$
$24_9 = \chi_{20}$	1	

Block 5:	φ_7
$24_4 = \chi_7$	1
$24_{10} = \chi_{21}$	1

$$\varphi_7 = 24_4$$

Block 6:	φ_8
$24_5 = \chi_8$	1
$24_{11} = \chi_{22}$	1

$$\varphi_8 = 24_5$$

Block 7:	φ_9
$24_6 = \chi_9$	1
$24_{12} = \chi_{23}$	1

$$\varphi_9 = 24_6$$

Block 8:	φ_{10}
$26_1 = \chi_{11}$	1
$26_3 = \chi_{13}$	1
$26_4 = \chi_{14}$	1
$26_5 = \chi_{15}$	1
$26_8 = \chi_{26}$	1
$26_9 = \chi_{27}$	1
$26_{10} = \chi_{28}$	1
$26_{11} = \chi_{29}$	1

$$\varphi_{10} = 26_1$$