

$L_2(23).2 \pmod{3}$

	blocks	defect	matrix
$G :$	1	1	3×2
	2	1	3×2
	3	1	3×1
	4	1	3×1
	5	1	3×1
	6	0	$24_1 = \chi_{10,0}, \varphi_{6,0}$
	7	0	$24_2 = \chi_{10,1}, \varphi_{6,1}$
	8	0	$24_3 = \chi_{11,0}, \varphi_{7,0}$
	9	0	$24_4 = \chi_{11,1}, \varphi_{7,1}$
	10	0	$24_5 = \chi_{12,0}, \varphi_{8,0}$
	11	0	$24_6 = \chi_{12,1}, \varphi_{8,1}$
	12	0	$24_7 = \chi_{13,0}, \varphi_{9,0}$
	13	0	$24_8 = \chi_{13,1}, \varphi_{9,1}$
	14	0	$24_9 = \chi_{14,0}, \varphi_{10,0}$
	15	0	$24_{10} = \chi_{14,1}, \varphi_{10,1}$

	blocks	defect	matrix
$2.G :$	16	0	$24_{11} = \chi_{15+}, \varphi_{11+}$
	17	1	3×1
	18	1	3×1
	19	1	3×1
	20	1	3×1
	21	0	$24_{12} = \chi_{23,0}, \varphi_{15,0}$
	22	0	$24_{13} = \chi_{23,1}, \varphi_{15,1}$
	23	0	$24_{14} = \chi_{24,0}, \varphi_{16,0}$
	24	0	$24_{15} = \chi_{24,1}, \varphi_{16,1}$
	25	0	$24_{16} = \chi_{25,0}, \varphi_{17,0}$
	26	0	$24_{17} = \chi_{25,1}, \varphi_{17,1}$
	27	0	$24_{18} = \chi_{26,0}, \varphi_{18,0}$
	28	0	$24_{19} = \chi_{26,1}, \varphi_{18,1}$
	29	0	$24_{20} = \chi_{27,0}, \varphi_{19,0}$
	30	0	$24_{21} = \chi_{27,1}, \varphi_{19,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{4,1}$	
$1_1 = \chi_{1,0}$	1	.	$\varphi_{1,0} = 1_1$ $\varphi_{4,1} = 22_3$
$22_3 = \chi_{4,1}$.	1	
$23_1 = \chi_{9,0}$	1	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{4,0}$	
$1_2 = \chi_{1,1}$	1	.	$\varphi_{1,1} = 1_2$ $\varphi_{4,0} = 22_2$
$22_2 = \chi_{4,0}$.	1	
$23_2 = \chi_{9,1}$	1	1	

Block 3:	φ_{2+}	
$22_1 = \chi_{2+}$	1	$\varphi_{2+} = 22_1$
$22_6 = \chi_{6,0}$	1	
$22_7 = \chi_{6,1}$	1	

Block 4:	$\varphi_{5,0}$
$22_4 = \chi_{5,0}$	1
$22_9 = \chi_{7,1}$	1
$22_{11} = \chi_{8,1}$	1

$$\varphi_{5,0} = 22_4$$

Block 5:	$\varphi_{5,1}$
$22_5 = \chi_{5,1}$	1
$22_8 = \chi_{7,0}$	1
$22_{10} = \chi_{8,0}$	1

$$\varphi_{5,1} = 22_5$$

Block 17:	$\varphi_{13,0}$
$22_{12} = \chi_{17,0}$	1
$22_{21} = \chi_{21,1}$	1
$22_{23} = \chi_{22,1}$	1

$$\varphi_{13,0} = 22_6$$

Block 18:	$\varphi_{13,1}$
$22_{13} = \chi_{17,1}$	1
$22_{20} = \chi_{21,0}$	1
$22_{22} = \chi_{22,0}$	1

$$\varphi_{13,1} = 22_7$$

Block 19:	$\varphi_{14,0}$
$22_{14} = \chi_{18,0}$	1
$22_{16} = \chi_{19,0}$	1
$22_{18} = \chi_{20,0}$	1

$$\varphi_{14,0} = 22_8$$

Block 20:	$\varphi_{14,1}$
$22_{15} = \chi_{18,1}$	1
$22_{17} = \chi_{19,1}$	1
$22_{19} = \chi_{20,1}$	1

$$\varphi_{14,1} = 22_9$$