

## $L_5(2).2 \pmod{3}$

	blocks	defect	matrix
$G :$	1	2	$9 \times 5$
	2	2	$9 \times 5$
	3	1	$3 \times 2$
	4	1	$3 \times 2$
	5	0	$630_1 = \chi_{7+}, \varphi_{6+}$
	6	0	$630_2 = \chi_{9+}, \varphi_{8+}$
	7	0	$630_3 = \chi_{11+}, \varphi_{10+}$
	8	1	$3 \times 2$
	9	1	$3 \times 2$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,1}$	$\varphi_{17,0}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	
$124_1 = \chi_{3,0}$	.	1	.	.	.	$\varphi_{1,0} = 1_1$
$155_1 = \chi_{4,0}$	.	.	1	.	.	$\varphi_{3,0} = 124_1$
$217_2 = \chi_{5,1}$	.	.	.	1	.	$\varphi_{4,0} = 155_1$
$280_1 = \chi_{6,0}$	1	1	1	.	.	$\varphi_{5,1} = 217_2$
$496_1 = \chi_{17,0}$	.	1	1	1	.	$\varphi_{17,0} = 868_1$
$868_1 = \chi_{21,0}$	.	.	.	.	1	
$1024_1 = \chi_{26,0}$	1	.	1	.	1	
$1240_1 = \chi_{27,0}$	.	.	1	1	1	

<b>Block 2:</b>	$\varphi_{1,1}$	$\varphi_{3,1}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{17,1}$	
$1_2 = \chi_{1,1}$	1	.	.	.	.	
$124_2 = \chi_{3,1}$	.	1	.	.	.	$\varphi_{1,1} = 1_2$
$155_2 = \chi_{4,1}$	.	.	1	.	.	$\varphi_{3,1} = 124_2$
$217_1 = \chi_{5,0}$	.	.	.	1	.	$\varphi_{4,1} = 155_2$
$280_2 = \chi_{6,1}$	1	1	1	.	.	$\varphi_{5,0} = 217_1$
$496_2 = \chi_{17,1}$	.	1	1	1	.	$\varphi_{17,1} = 868_2$
$868_2 = \chi_{21,1}$	.	.	.	.	1	
$1024_2 = \chi_{26,1}$	1	.	1	.	1	
$1240_2 = \chi_{27,1}$	.	.	1	1	1	

<b>Block 3:</b>	$\varphi_{2,0}$	$\varphi_{18,0}$	
$30_1 = \chi_{2,0}$	1	.	$\varphi_{2,0} = 30_1$
$930_3 = \chi_{22,0}$	.	1	$\varphi_{18,0} = 930_3$
$960_1 = \chi_{25,0}$	1	1	

<b>Block 4:</b>	$\varphi_{2,1}$	$\varphi_{18,1}$
$30_2 = \chi_{2,1}$	1	.
$930_4 = \chi_{22,1}$	.	1
$960_2 = \chi_{25,1}$	1	1

$$\begin{aligned}\varphi_{2,1} &= 30_2 \\ \varphi_{18,1} &= 930_4\end{aligned}$$

<b>Block 8:</b>	$\varphi_{12+}$	$\varphi_{14+}$
$930_1 = \chi_{13+}$	1	.
$930_2 = \chi_{15+}$	.	1
$1860_1 = \chi_{23+}$	1	1

$$\begin{aligned}\varphi_{12+} &= 930_1 \\ \varphi_{14+} &= 930_2\end{aligned}$$

<b>Block 9:</b>	$\varphi_{16,0}$	$\varphi_{16,1}$
$651_1 = \chi_{18,0}$	1	.
$651_2 = \chi_{18,1}$	.	1
$1302_1 = \chi_{19+}$	1	1

$$\begin{aligned}\varphi_{16,0} &= 651_1 \\ \varphi_{16,1} &= 651_2\end{aligned}$$