

$L_5(2).2 \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	7×6
	2	1	7×6
	3	1	7×6
	4	0	$217_1 = \chi_{5,0}, \varphi_{5,0}$
	5	0	$217_2 = \chi_{5,1}, \varphi_{5,1}$
	6	0	$280_1 = \chi_{6,0}, \varphi_{6,0}$
	7	0	$280_2 = \chi_{6,1}, \varphi_{6,1}$
	8	0	$630_1 = \chi_{7+}, \varphi_{7+}$

	blocks	defect	matrix
	9	0	$630_2 = \chi_{9+}, \varphi_{9+}$
	10	0	$630_3 = \chi_{11+}, \varphi_{11+}$
	11	0	$651_1 = \chi_{18,0}, \varphi_{16,0}$
	12	0	$651_2 = \chi_{18,1}, \varphi_{16,1}$
	13	0	$1302_1 = \chi_{19+}, \varphi_{17+}$
	14	0	$868_1 = \chi_{21,0}, \varphi_{20,0}$
	15	0	$868_2 = \chi_{21,1}, \varphi_{20,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{14,0}$	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	$\varphi_{1,0} = 1_1$
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	$\varphi_{1,1} = 1_2$
$930_2 = \chi_{15+}$	.	.	1	1	.	.	$\varphi_{14,0} = 465_3$
$496_1 = \chi_{17,0}$	1	.	.	.	1	.	$\varphi_{14,1} = 465_4$
$496_2 = \chi_{17,1}$	.	1	.	.	.	1	$\varphi_{15,0} = 495_1$
$960_1 = \chi_{25,0}$	.	.	1	.	.	1	$\varphi_{15,1} = 495_2$
$960_2 = \chi_{25,1}$	.	.	.	1	1	.	

Block 2:	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{21,0}$	$\varphi_{21,1}$	
$30_1 = \chi_{2,0}$	1	.	.	.	.	.	$\varphi_{2,0} = 30_1$
$30_2 = \chi_{2,1}$	.	1	.	.	.	.	$\varphi_{2,1} = 30_2$
$124_1 = \chi_{3,0}$	1	.	1	.	.	.	$\varphi_{3,0} = 94_1$
$124_2 = \chi_{3,1}$	.	1	.	1	.	.	$\varphi_{3,1} = 94_2$
$1860_1 = \chi_{23+}$	.	.	.	.	1	1	$\varphi_{21,0} = 930_1$
$1024_1 = \chi_{26,0}$	.	.	1	.	1	.	$\varphi_{21,1} = 930_2$
$1024_2 = \chi_{26,1}$	.	.	.	1	.	1	

Block 3:	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	
$155_1 = \chi_{4,0}$	1	.	.	.	.	.	$\varphi_{4,0} = 155_1$
$155_2 = \chi_{4,1}$	.	1	.	.	.	.	$\varphi_{4,1} = 155_2$
$930_1 = \chi_{13+}$	.	.	1	1	.	.	$\varphi_{13,0} = 465_1$
$930_3 = \chi_{22,0}$	.	1	.	.	1	.	$\varphi_{13,1} = 465_2$
$930_4 = \chi_{22,1}$	1	.	.	.	.	1	$\varphi_{19,0} = 775_1$
$1240_1 = \chi_{27,0}$	.	.	1	.	1	.	$\varphi_{19,1} = 775_2$
$1240_2 = \chi_{27,1}$	.	.	.	1	.	1	