S_6 (mod 5)

	blocks	defect	matrix
$G:$	1	1	5×4
	2	0	$5_1 = \chi_{2,0}, \varphi_{2,0}$
	3	0	$5_2 = \chi_{2,1}, \varphi_{2,1}$
	4	0	$5_3 = \chi_{3,0}, \varphi_{3,0}$
	5	0	$5_4 = \chi_{3,1}, \varphi_{3,1}$
	6	0	$10_1 = \chi_{7,0}, \varphi_{5,0}$

	blocks	defect	matrix
	7	0	$10_2 = \chi_{7,1}, \varphi_{5,1}$
$2.G:$	8	1	5×4
	9	0	$20_1 = \chi_{12+}, \varphi_{8+}$
$3.G:$	10	1	4×2
	11	0	$30_1 = \chi_{18+}, \varphi_{12+}$
$6.G:$	12	1	4×2

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$
$1_1 = \chi_{1,0}$	1	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.
$16_1 = \chi_{4+}$	.	.	1	1
$9_1 = \chi_{6,0}$	1	.	1	.
$9_2 = \chi_{6,1}$	.	1	.	1

$\varphi_{1,0} = 1_1$
$\varphi_{1,1} = 1_2$
$\varphi_{4,0} = 8_1$
$\varphi_{4,1} = 8_2$

Block 8:	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$
$4_1 = \chi_{8,0}$	1	.	.	.
$4_2 = \chi_{8,1}$	.	1	.	.
$4_3 = \chi_{9,0}$	.	.	1	.
$4_4 = \chi_{9,1}$	.	.	.	1
$16_2 = \chi_{10+}$	1	1	1	1

$\varphi_{6,0} = 4_1$
$\varphi_{6,1} = 4_2$
$\varphi_{7,0} = 4_3$
$\varphi_{7,1} = 4_4$

Block 10:	φ_{10+}	φ_{11+}
$6_1 = \chi_{14+}$	1	.
$6_2 = \chi_{15+}$	1	.
$12_1 = \chi_{16+}$	.	1
$18_1 = \chi_{17+}$	1	1

$\varphi_{10+} = 6_1$
$\varphi_{11+} = 12_1$

Block 12:	φ_{13+}	φ_{14+}
$12_2 = \chi_{19+}$	1	.
$12_3 = \chi_{20+}$	.	1
$24_1 = \chi_{21+}$	1	1
$24_2 = \chi_{22+}$	1	1

$\varphi_{13+} = 12_2$
$\varphi_{14+} = 12_3$