

$S_4(4).4 \pmod{17}$

	blocks	defect	matrix
$G :$	1	1	17×16
	2	0	$68_1 = \chi_{3,0+}, \varphi_{3,0+}$
	3	0	$68_2 = \chi_{3,1+}, \varphi_{3,1+}$
	4	0	$204_1 = \chi_{6+}, \varphi_{6+}$
	5	0	$170_1 = \chi_{10,0+}, \varphi_{10,0+}$
	6	0	$170_2 = \chi_{10,1+}, \varphi_{10,1+}$
	7	0	$153_1 = \chi_{12,0}, \varphi_{12,0}$

	blocks	defect	matrix
	8	0	$153_2 = \chi_{12,1}, \varphi_{12,1}$
	9	0	$153_3 = \chi_{12,2}, \varphi_{12,2}$
	$10 = \bar{8}$	0	$153_4 = \chi_{12,3}, \varphi_{12,3}$
	11	0	$816_1 = \chi_{13+}, \varphi_{13+}$
	12	0	$1020_1 = \chi_{21+}, \varphi_{18+}$
	13	0	$680_1 = \chi_{26,0+}, \varphi_{22,0+}$
	14	0	$680_2 = \chi_{26,1+}, \varphi_{22,1+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{1,3}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{2,2}$	$\varphi_{2,3}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{5,2}$	$\varphi_{5,3}$	$\varphi_{17,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$.	1	.	.	.	.	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$.	.	1	.	.	.	.	.	.	.	.	.	.
$1_4 = \chi_{1,3}$.	.	.	1	.	.	.	.	.	.	.	.	.
$18_1 = \chi_{2,0}$	1	.	.	.	.	.	.	.	.
$18_2 = \chi_{2,1}$	1	.	.	.	.	.	.	.
$18_3 = \chi_{2,2}$	1	.	.	.	.	.	.
$18_4 = \chi_{2,3}$	1	.	.	.	.	.
$50_1 = \chi_{5,0}$	1	.	.	.	.	.	.	.	1	.	.	.	.
$50_2 = \chi_{5,1}$.	1	.	.	.	.	.	.	.	1	.	.	.
$50_3 = \chi_{5,2}$.	.	1	.	.	.	.	.	.	.	1	.	.
$50_4 = \chi_{5,3}$.	.	.	1	.	.	.	.	.	.	.	1	.
$900_1 = \chi_{17+}$	1	1	1	1	.	.	.	.	1
$256_1 = \chi_{25,0}$	1	.	1
$256_2 = \chi_{25,1}$	1	.
$256_3 = \chi_{25,2}$	1	.	.	.	.
$256_4 = \chi_{25,3}$	1	.	.	.

(Block 1:)	$\varphi_{17,1}$	$\varphi_{17,2}$	$\varphi_{17,3}$	
$1_1 = \chi_{1,0}$.	.	.	$\varphi_{1,0} = 1_1$
$1_2 = \chi_{1,1}$.	.	.	$\varphi_{1,1} = 1_2$
$1_3 = \chi_{1,2}$.	.	.	$\varphi_{1,2} = 1_3$
$1_4 = \chi_{1,3}$.	.	.	$\varphi_{1,3} = 1_4$
$18_1 = \chi_{2,0}$.	.	.	$\varphi_{2,0} = 18_1$
$18_2 = \chi_{2,1}$.	.	.	$\varphi_{2,1} = 18_2$
$18_3 = \chi_{2,2}$.	.	.	$\varphi_{2,2} = 18_3$
$18_4 = \chi_{2,3}$.	.	.	$\varphi_{2,3} = 18_4$
$50_1 = \chi_{5,0}$.	.	.	$\varphi_{5,0} = 49_1$
$50_2 = \chi_{5,1}$.	.	.	$\varphi_{5,1} = 49_2$
$50_3 = \chi_{5,2}$.	.	.	$\varphi_{5,2} = 49_3$
$50_4 = \chi_{5,3}$.	.	.	$\varphi_{5,3} = 49_4$
$900_1 = \chi_{17+}$	1	1	1	$\varphi_{17,0} = 207_1$
$256_1 = \chi_{25,0}$.	.	.	$\varphi_{17,1} = 207_2$
$256_2 = \chi_{25,1}$	1	.	.	$\varphi_{17,2} = 207_3$
$256_3 = \chi_{25,2}$.	1	.	$\varphi_{17,3} = 207_4$
$256_4 = \chi_{25,3}$.	.	1	