

$S_4(4) \pmod{17}$

	blocks	defect	matrix
$G :$	1	1	8×4
	2	0	$34_1 = \chi_3, \varphi_3$
	3	0	$34_2 = \chi_4, \varphi_4$
	4	0	$51_1 = \chi_6, \varphi_6$
	5	0	$51_2 = \chi_7, \varphi_7$
	6	0	$51_3 = \chi_8, \varphi_8$
	7	0	$51_4 = \chi_9, \varphi_9$
	8	0	$85_1 = \chi_{10}, \varphi_{10}$
	9	0	$85_2 = \chi_{11}, \varphi_{11}$
	10	0	$153_1 = \chi_{12}, \varphi_{12}$

	blocks	defect	matrix
	11	0	$204_1 = \chi_{13}, \varphi_{13}$
	12	0	$204_2 = \chi_{14}, \varphi_{14}$
	13	0	$204_3 = \chi_{15}, \varphi_{15}$
	14	0	$204_4 = \chi_{16}, \varphi_{16}$
	15	0	$255_1 = \chi_{21}, \varphi_{18}$
	16	0	$255_2 = \chi_{22}, \varphi_{19}$
	17	0	$255_3 = \chi_{23}, \varphi_{20}$
	18	0	$255_4 = \chi_{24}, \varphi_{21}$
	19	0	$340_1 = \chi_{26}, \varphi_{22}$
	20	0	$340_2 = \chi_{27}, \varphi_{23}$

Block 1:	φ_1	φ_2	φ_5	φ_{17}
$1_1 = \chi_1$	1	.	.	.
$18_1 = \chi_2$	.	1	.	.
$50_1 = \chi_5$	1	.	1	.
$225_1 = \chi_{17}$	.	1	.	1
$225_2 = \chi_{18}$	.	1	.	1
$225_3 = \chi_{19}$	.	1	.	1
$225_4 = \chi_{20}$	.	1	.	1
$256_1 = \chi_{25}$	.	.	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_2 &= 18_1 \\ \varphi_5 &= 49_1 \\ \varphi_{17} &= 207_1 \end{aligned}$$