S_5 (mod 5)

	blocks	defect	matrix
$G:$	1	1	5×4
	2	0	$5_1 = \chi_{5,0}, \varphi_{3,0}$
	3	0	$5_2 = \chi_{5,1}, \varphi_{3,1}$
$2.G:$	4	1	5×4

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$
$1_1 = \chi_{1,0}$	1	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.
$6_1 = \chi_{2+}$	.	.	1	1
$4_1 = \chi_{4,0}$	1	.	1	.
$4_2 = \chi_{4,1}$	.	1	.	1

$$\varphi_{1,0} = 1_1$$
$$\varphi_{1,1} = 1_2$$
$$\varphi_{2,0} = 3_1$$
$$\varphi_{2,1} = 3_2$$

Block 4:	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$
$4_3 = \chi_{6+}$	1	1	.	.
$4_4 = \chi_{8,0}$	.	.	1	.
$4_5 = \chi_{8,1}$	.	.	.	1
$6_2 = \chi_{9,0}$	1	.	.	1
$6_3 = \chi_{9,1}$	.	1	1	.

$$\varphi_{4,0} = 2_1$$
$$\varphi_{4,1} = 2_2$$
$$\varphi_{5,0} = 4_1$$
$$\varphi_{5,1} = 4_2$$