

## $A_5.2 \pmod{5}$

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

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	$\varphi_{1,0} = 1_1$
$1_2 = \chi_{1,1}$	.	1	.	.	$\varphi_{1,1} = 1_2$
$6_1 = \chi_{2+}$	.	.	1	1	$\varphi_{2,0} = 3_1$
$4_1 = \chi_{4,0}$	1	.	1	.	$\varphi_{2,1} = 3_2$
$4_2 = \chi_{4,1}$	.	1	.	1	

<b>Block 4:</b>	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	
$4_3 = \chi_{6+}$	1	1	.	.	$\varphi_{4,0} = 2_1$
$4_4 = \chi_{8,0}$	.	.	1	.	$\varphi_{4,1} = 2_2$
$4_5 = \chi_{8,1}$	.	.	.	1	$\varphi_{5,0} = 4_1$
$6_2 = \chi_{9,0}$	1	.	.	1	$\varphi_{5,1} = 4_2$
$6_3 = \chi_{9,1}$	.	1	1	.	