

$A_8 \pmod{3}$

	blocks	defect	matrix
$G :$	1	2	9×5
	2	1	3×1
	3	0	$45_1 = \chi_{10}, \varphi_7$
	$4 = \bar{3}$	0	$45_2 = \chi_{11}, \varphi_8$
$2.G :$	5	2	6×2
	6	1	3×2

Block 1:	φ_1	φ_2	φ_3	φ_5	φ_6	
$1_1 = \chi_1$	1	.	.	.	.
$7_1 = \chi_2$	.	1	.	.	.	$\varphi_1 = 1_1$
$14_1 = \chi_3$	1	.	1	.	.	$\varphi_2 = 7_1$
$20_1 = \chi_4$	.	1	1	.	.	$\varphi_3 = 13_1$
$28_1 = \chi_8$	.	.	.	1	.	$\varphi_5 = 28_1$
$35_1 = \chi_9$	.	.	.	.	1	$\varphi_6 = 35_1$
$56_1 = \chi_{12}$	1	1	1	.	1	
$64_1 = \chi_{13}$	1	.	.	1	1	
$70_1 = \chi_{14}$	.	1	.	1	1	

Block 2:	φ_4	
$21_1 = \chi_5$	1	$\varphi_4 = 21_1$
$21_2 = \chi_6$	1	
$21_3 = \chi_7$	1	

Block 5:	φ_9	φ_{12}	
$8_1 = \chi_{15}$	1	.	
$56_2 = \chi_{19}$	1	1	$\varphi_9 = 8_1$
$56_3 = \chi_{20}$	1	1		$\varphi_{12} = 48_1$
$56_4 = \chi_{21}$	1	1	
$56_5 = \chi_{22}$	1	1	
$64_2 = \chi_{23}$	2	1	

Block 6:	φ_{10}	φ_{11}
$24_1 = \chi_{16}$	1	.
$24_2 = \chi_{17}$	.	1
$48_1 = \chi_{18}$	1	1

$$\begin{aligned} \varphi_{10} &= 24_1 \\ \varphi_{11} &= 24_2 \end{aligned}$$