

$A_8 \pmod{7}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	5×3		9	0	$56_1 = \chi_{12}, \varphi_{11}$
	2	0	$7_1 = \chi_2, \varphi_2$		10	0	$70_1 = \chi_{14}, \varphi_{12}$
	3	0	$14_1 = \chi_3, \varphi_3$				
	4	0	$21_1 = \chi_5, \varphi_5$	$2.G :$	11	1	5×3
	5	0	$21_2 = \chi_6, \varphi_6$		12	0	$56_2 = \chi_{19}, \varphi_{16}$
	$6 = \bar{5}$	0	$21_3 = \chi_7, \varphi_7$		$13 = \overline{12}$	0	$56_3 = \chi_{20}, \varphi_{17}$
	7	0	$28_1 = \chi_8, \varphi_8$		14	0	$56_4 = \chi_{21}, \varphi_{18}$
	8	0	$35_1 = \chi_9, \varphi_9$		$15 = \overline{14}$	0	$56_5 = \chi_{22}, \varphi_{19}$

Block 1:	φ_1	φ_4	φ_{10}	
$1_1 = \chi_1$	1	.	.	$\varphi_1 = 1_1$
$20_1 = \chi_4$	1	1	.	$\varphi_4 = 19_1$
$45_1 = \chi_{10}$	.	.	1	$\varphi_{10} = 45_1$
$45_2 = \chi_{11}$	.	.	1	
$64_1 = \chi_{13}$	.	1	1	

Block 11:	φ_{13}	φ_{14}	φ_{15}	
$8_1 = \chi_{15}$	1	.	.	$\varphi_{13} = 8_1$
$24_1 = \chi_{16}$	1	1	.	$\varphi_{14} = 16_1$
$24_2 = \chi_{17}$	1	1	.	$\varphi_{15} = 48_1$
$48_1 = \chi_{18}$	.	.	1	
$64_2 = \chi_{23}$	.	1	1	