

$Sz(8) \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	5×2
	2	0	$14_1 = \chi_2, \varphi_2$
	$3 = \bar{2}$	0	$14_2 = \chi_3, \varphi_3$
	4	0	$35_1 = \chi_4, \varphi_4$
	5	0	$35_2 = \chi_5, \varphi_5$
	6	0	$35_3 = \chi_6, \varphi_6$

	blocks	defect	matrix
	7	0	$91_1 = \chi_{11}, \varphi_8$
$2.G :$	8	1	5×2
	9	0	$56_1 = \chi_{15}, \varphi_{10}$
	10	0	$56_2 = \chi_{16}, \varphi_{11}$
	11	0	$56_3 = \chi_{17}, \varphi_{12}$

Block 1:	φ_1	φ_7	
$1_1 = \chi_1$	1	.	$\varphi_1 = 1_1$ $\varphi_7 = 64_1$
$64_1 = \chi_7$.	1	
$65_1 = \chi_8$	1	1	
$65_2 = \chi_9$	1	1	
$65_3 = \chi_{10}$	1	1	

Block 8:	φ_9	φ_{13}	
$40_1 = \chi_{12}$	1	.	$\varphi_9 = 40_1$ $\varphi_{13} = 64_2$
$40_2 = \chi_{13}$	1	.	
$40_3 = \chi_{14}$	1	.	
$64_2 = \chi_{18}$.	1	
$104_1 = \chi_{19}$	1	1	