

$$Sz(8) \pmod{5}$$

	blocks	defect	matrix
$G :$	1	1	5×4
	2	0	$35_1 = \chi_4, \varphi_4$
	3	0	$35_2 = \chi_5, \varphi_5$
	4	0	$35_3 = \chi_6, \varphi_6$
	5	0	$65_1 = \chi_8, \varphi_8$
	6	0	$65_2 = \chi_9, \varphi_9$
	blocks	defect	matrix
	7	0	$65_3 = \chi_{10}, \varphi_{10}$
$2.G :$	8	0	$40_1 = \chi_{12}, \varphi_{12}$
	9	0	$40_2 = \chi_{13}, \varphi_{13}$
	10	0	$40_3 = \chi_{14}, \varphi_{14}$
	11	1	5×4

Block 1:	φ_1	φ_2	φ_3	φ_7	
$1_1 = \chi_1$	1	.	.	.	$\varphi_1 = 1_1$
$14_1 = \chi_2$	.	1	.	.	$\varphi_2 = 14_1$
$14_2 = \chi_3$	.	.	1	.	$\varphi_3 = 14_2$
$64_1 = \chi_7$	1	.	.	1	$\varphi_7 = 63_1$
$91_1 = \chi_{11}$	.	1	1	1	

Block 11:	φ_{11}	φ_{15}	φ_{16}	φ_{17}	
$56_1 = \chi_{15}$	.	.	1	.	$\varphi_{11} = 8_1$
$56_2 = \chi_{16}$	.	.	.	1	$\varphi_{15} = 48_1$
$56_3 = \chi_{17}$	1	1	.	.	$\varphi_{16} = 56_1$
$64_2 = \chi_{18}$	1	.	1	.	$\varphi_{17} = 56_2$
$104_1 = \chi_{19}$	.	1	.	1	