

# $Sz(8) \pmod{2}$

	blocks	defect	matrix
$2.G :$	1 2	7 1	$17 \times 7$ $2 \times 1$

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$
$1_1 = \chi_1$	1	.	.	.	.	.	.
$14_1 = \chi_2$	2	1	1	1	.	.	.
$14_2 = \chi_3$	2	1	1	1	.	.	.
$35_1 = \chi_4$	3	1	1	2	.	.	1
$35_2 = \chi_5$	3	2	1	1	1	.	.
$35_3 = \chi_6$	3	1	2	1	.	1	.
$65_1 = \chi_8$	5	2	3	2	1	1	.
$65_2 = \chi_9$	5	2	2	3	.	1	1
$65_3 = \chi_{10}$	5	3	2	2	1	.	1
$91_1 = \chi_{11}$	7	3	3	3	1	1	1
$40_1 = \chi_{12}$	4	2	1	2	.	.	1
$40_2 = \chi_{13}$	4	2	2	1	1	.	.
$40_3 = \chi_{14}$	4	1	2	2	.	1	.
$56_1 = \chi_{15}$	4	2	2	1	1	1	.
$56_2 = \chi_{16}$	4	1	2	2	.	1	1
$56_3 = \chi_{17}$	4	2	1	2	1	.	1
$104_1 = \chi_{19}$	8	4	4	4	1	1	1

- $\varphi_1 = 1_1$
- $\varphi_2 = 4_1$
- $\varphi_3 = 4_2$
- $\varphi_4 = 4_3$
- $\varphi_5 = 16_1$
- $\varphi_6 = 16_2$
- $\varphi_7 = 16_3$

<b>Block 2:</b>	$\varphi_8$	
$64_1 = \chi_7$	1	$\varphi_8 = 64_1$
$64_2 = \chi_{18}$	1	