

# $Sz(32) \pmod{5}$

	blocks	defect	matrix
$G :$	1	2	$10 \times 4$
	2	0	$775_1 = \chi_4, \varphi_4$
	3	0	$775_2 = \chi_5, \varphi_5$
	4	0	$775_3 = \chi_6, \varphi_6$
	5	0	$775_4 = \chi_7, \varphi_7$
	6	0	$775_5 = \chi_8, \varphi_8$
	7	0	$775_6 = \chi_9, \varphi_9$
	8	0	$775_7 = \chi_{10}, \varphi_{10}$
	9	0	$775_8 = \chi_{11}, \varphi_{11}$
	10	0	$775_9 = \chi_{12}, \varphi_{12}$
	11	0	$775_{10} = \chi_{13}, \varphi_{13}$
	12	0	$1025_1 = \chi_{15}, \varphi_{15}$
	13	0	$1025_2 = \chi_{16}, \varphi_{16}$

  

	blocks	defect	matrix
	14	0	$1025_3 = \chi_{17}, \varphi_{17}$
	15	0	$1025_4 = \chi_{18}, \varphi_{18}$
	16	0	$1025_5 = \chi_{19}, \varphi_{19}$
	17	0	$1025_6 = \chi_{20}, \varphi_{20}$
	18	0	$1025_7 = \chi_{21}, \varphi_{21}$
	19	0	$1025_8 = \chi_{22}, \varphi_{22}$
	20	0	$1025_9 = \chi_{23}, \varphi_{23}$
	21	0	$1025_{10} = \chi_{24}, \varphi_{24}$
	22	0	$1025_{11} = \chi_{25}, \varphi_{25}$
	23	0	$1025_{12} = \chi_{26}, \varphi_{26}$
	24	0	$1025_{13} = \chi_{27}, \varphi_{27}$
	25	0	$1025_{14} = \chi_{28}, \varphi_{28}$
	26	0	$1025_{15} = \chi_{29}, \varphi_{29}$

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_{14}$
$1_1 = \chi_1$	1	.	.	.
$124_1 = \chi_2$	.	1	.	.
$124_2 = \chi_3$	.	.	1	.
$1024_1 = \chi_{14}$	1	.	.	1
$1271_1 = \chi_{30}$	.	1	1	1
$1271_2 = \chi_{31}$	.	1	1	1
$1271_3 = \chi_{32}$	.	1	1	1
$1271_4 = \chi_{33}$	.	1	1	1
$1271_5 = \chi_{34}$	.	1	1	1
$1271_6 = \chi_{35}$	.	1	1	1

$$\begin{aligned}
 \varphi_1 &= 1_1 \\
 \varphi_2 &= 124_1 \\
 \varphi_3 &= 124_2 \\
 \varphi_{14} &= 1023_1
 \end{aligned}$$