

$Sz(32) \pmod{41}$

	blocks	defect	matrix
$G :$	1	1	14×4
	2	0	$1025_1 = \chi_{15}, \varphi_5$
	3	0	$1025_2 = \chi_{16}, \varphi_6$
	4	0	$1025_3 = \chi_{17}, \varphi_7$
	5	0	$1025_4 = \chi_{18}, \varphi_8$
	6	0	$1025_5 = \chi_{19}, \varphi_9$
	7	0	$1025_6 = \chi_{20}, \varphi_{10}$
	8	0	$1025_7 = \chi_{21}, \varphi_{11}$
	9	0	$1025_8 = \chi_{22}, \varphi_{12}$
	10	0	$1025_9 = \chi_{23}, \varphi_{13}$
	11	0	$1025_{10} = \chi_{24}, \varphi_{14}$

	blocks	defect	matrix
	12	0	$1025_{11} = \chi_{25}, \varphi_{15}$
	13	0	$1025_{12} = \chi_{26}, \varphi_{16}$
	14	0	$1025_{13} = \chi_{27}, \varphi_{17}$
	15	0	$1025_{14} = \chi_{28}, \varphi_{18}$
	16	0	$1025_{15} = \chi_{29}, \varphi_{19}$
	17	0	$1271_1 = \chi_{30}, \varphi_{20}$
	18	0	$1271_2 = \chi_{31}, \varphi_{21}$
	19	0	$1271_3 = \chi_{32}, \varphi_{22}$
	20	0	$1271_4 = \chi_{33}, \varphi_{23}$
	21	0	$1271_5 = \chi_{34}, \varphi_{24}$
	22	0	$1271_6 = \chi_{35}, \varphi_{25}$

Block 1:	φ_1	φ_2	φ_3	φ_4
$1_1 = \chi_1$	1	.	.	.
$124_1 = \chi_2$.	1	.	.
$124_2 = \chi_3$.	.	1	.
$775_1 = \chi_4$.	.	.	1
$775_2 = \chi_5$.	.	.	1
$775_3 = \chi_6$.	.	.	1
$775_4 = \chi_7$.	.	.	1
$775_5 = \chi_8$.	.	.	1
$775_6 = \chi_9$.	.	.	1
$775_7 = \chi_{10}$.	.	.	1
$775_8 = \chi_{11}$.	.	.	1
$775_9 = \chi_{12}$.	.	.	1
$775_{10} = \chi_{13}$.	.	.	1
$1024_1 = \chi_{14}$	1	1	1	1

$\varphi_1 = 1_1$
 $\varphi_2 = 124_1$
 $\varphi_3 = 124_2$
 $\varphi_4 = 775_1$