

$Sz(8) \pmod{13}$

| | blocks | defect | matrix |
|---------|--------|--------|-----------------------------------|
| $G :$ | 1 | 1 | 7×4 |
| | 2 | 0 | $65_1 = \chi_8, \varphi_5$ |
| | 3 | 0 | $65_2 = \chi_9, \varphi_6$ |
| | 4 | 0 | $65_3 = \chi_{10}, \varphi_7$ |
| | 5 | 0 | $91_1 = \chi_{11}, \varphi_8$ |
| $2.G :$ | 6 | 1 | 7×4 |
| | 7 | 0 | $104_1 = \chi_{19}, \varphi_{13}$ |

| Block 1: | φ_1 | φ_2 | φ_3 | φ_4 | |
|-----------------|-------------|-------------|-------------|-------------|---|
| $1_1 = \chi_1$ | 1 | . | . | . | $\varphi_1 = 1_1$ $\varphi_2 = 14_1$ $\varphi_3 = 14_2$ $\varphi_4 = 35_1$ |
| $14_1 = \chi_2$ | . | 1 | . | . | |
| $14_2 = \chi_3$ | . | . | 1 | . | |
| $35_1 = \chi_4$ | . | . | . | 1 | |
| $35_2 = \chi_5$ | . | . | . | 1 | |
| $35_3 = \chi_6$ | . | . | . | 1 | |
| $64_1 = \chi_7$ | 1 | 1 | 1 | 1 | |

| Block 6: | φ_9 | φ_{10} | φ_{11} | φ_{12} | |
|--------------------|-------------|----------------|----------------|----------------|---|
| $40_1 = \chi_{12}$ | . | . | 1 | . | $\varphi_9 = 16_1$ $\varphi_{10} = 24_1$ $\varphi_{11} = 40_1$ $\varphi_{12} = 40_2$ |
| $40_2 = \chi_{13}$ | . | . | . | 1 | |
| $40_3 = \chi_{14}$ | 1 | 1 | . | . | |
| $56_1 = \chi_{15}$ | 1 | . | 1 | . | |
| $56_2 = \chi_{16}$ | 1 | . | 1 | . | |
| $56_3 = \chi_{17}$ | 1 | . | 1 | . | |
| $64_2 = \chi_{18}$ | . | 1 | . | 1 | |