# $L_2(49).2_3 \pmod 2$

| | blocks | defect | matrix |
|---|---|---|---|
| $G:$ | 1 | 5 | $11 \times 2$ |
| | 2 | 0 | $96_1 = \chi_{4+}, \varphi_{4+}$ |
| | 3 | 0 | $96_2 = \chi_{6+}, \varphi_{6+}$ |
| | 4 | 0 | $96_3 = \chi_{8+}, \varphi_{8+}$ |
| | 5 | 0 | $96_4 = \chi_{10+}, \varphi_{10+}$ |
| | 6 | 0 | $96_5 = \chi_{12+}, \varphi_{12+}$ |
| | 7 | 0 | $96_6 = \chi_{14+}, \varphi_{14+}$ |
| | 8 | 4 | $7 \times 1$ |

| **Block 1:** | $\varphi_{1,0}$ | $\varphi_{2+}$ |
|---|---|---|
| $1_1 = \chi_{1,0}$ | 1 | . |
| $1_2 = \chi_{1,1}$ | 1 | . |
| $50_1 = \chi_{2+}$ | 2 | 1 |
| $49_1 = \chi_{16,0}$ | 1 | 1 |
| $49_2 = \chi_{16,1}$ | 1 | 1 |
| $50_4 = \chi_{18,0}$ | 2 | 1 |
| $50_5 = \chi_{18,1}$ | 2 | 1 |
| $50_8 = \chi_{20,0}$ | 2 | 1 |
| $50_9 = \chi_{20,1}$ | 2 | 1 |
| $50_{10} = \chi_{21,0}$ | 2 | 1 |
| $50_{11} = \chi_{21,1}$ | 2 | 1 |

$\varphi_{1,0} = 1_1$
$\varphi_{2+} = 48_1$

| **Block 8:** | $\varphi_{16,0}$ |
|---|---|
| $50_2 = \chi_{17,0}$ | 1 |
| $50_3 = \chi_{17,1}$ | 1 |
| $50_6 = \chi_{19,0}$ | 1 |
| $50_7 = \chi_{19,1}$ | 1 |
| $100_1 = \chi_{22+}$ | 2 |
| $100_2 = \chi_{24+}$ | 2 |
| $100_3 = \chi_{26+}$ | 2 |

$\varphi_{16,0} = 50_1$