# $L_2(16) \pmod 5$

| | blocks | defect | matrix |
|---|---|---|---|
| $G:$ | 1 | 1 | $4 \times 2$ |
| | 2 | 0 | $15_1 = \chi_2, \varphi_2$ |
| | 3 | 0 | $15_2 = \chi_3, \varphi_3$ |
| | 4 | 0 | $15_3 = \chi_4, \varphi_4$ |
| | 5 | 0 | $15_4 = \chi_5, \varphi_5$ |

| | blocks | defect | matrix |
|---|---|---|---|
| | 6 | 0 | $15_5 = \chi_6, \varphi_6$ |
| | 7 | 0 | $15_6 = \chi_7, \varphi_7$ |
| | 8 | 0 | $15_7 = \chi_8, \varphi_8$ |
| | 9 | 0 | $15_8 = \chi_9, \varphi_9$ |
| | 10 | 1 | $5 \times 1$ |

| **Block 1:** | $\varphi_1$ | $\varphi_{10}$ |
|---|---|---|
| $1_1 = \chi_1$ | 1 | . |
| $16_1 = \chi_{10}$ | . | 1 |
| $17_2 = \chi_{12}$ | 1 | 1 |
| $17_3 = \chi_{13}$ | 1 | 1 |

$\varphi_1 = 1_1$
$\varphi_{10} = 16_1$

| **Block 10:** | $\varphi_{11}$ |
|---|---|
| $17_1 = \chi_{11}$ | 1 |
| $17_4 = \chi_{14}$ | 1 |
| $17_5 = \chi_{15}$ | 1 |
| $17_6 = \chi_{16}$ | 1 |
| $17_7 = \chi_{17}$ | 1 |

$\varphi_{11} = 17_1$