

$$U_3(4).2 \pmod{5}$$

|       | blocks | defect | matrix                             |
|-------|--------|--------|------------------------------------|
| $G :$ | 1      | 2      | $14 \times 6$                      |
|       | 2      | 1      | $4 \times 2$                       |
|       | 3      | 0      | $150_1 = \chi_{19+}, \varphi_{5+}$ |
|       | 4      | 0      | $150_2 = \chi_{21+}, \varphi_{7+}$ |

| Block 1:             | $\varphi_{1,0}$ | $\varphi_{1,1}$ | $\varphi_{2,0}$ | $\varphi_{2,1}$ | $\varphi_{3,0}$ | $\varphi_{3,1}$ |                        |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------|
| $1_1 = \chi_{1,0}$   | 1               | .               | .               | .               | .               | .               |                        |
| $1_2 = \chi_{1,1}$   | .               | 1               | .               | .               | .               | .               |                        |
| $12_1 = \chi_{2,0}$  | .               | .               | 1               | .               | .               | .               |                        |
| $12_2 = \chi_{2,1}$  | .               | .               | .               | 1               | .               | .               | $\varphi_{1,0} = 1_1$  |
| $26_1 = \chi_{3+}$   | 1               | 1               | 1               | 1               | .               | .               | $\varphi_{1,1} = 1_2$  |
| $26_2 = \chi_{5+}$   | 1               | 1               | 1               | 1               | .               | .               | $\varphi_{2,0} = 12_1$ |
| $39_1 = \chi_{7,0}$  | .               | .               | .               | .               | 1               | .               | $\varphi_{2,1} = 12_2$ |
| $39_2 = \chi_{7,1}$  | .               | .               | .               | .               | .               | 1               | $\varphi_{3,0} = 39_1$ |
| $39_3 = \chi_{8,0}$  | .               | .               | .               | .               | 1               | .               | $\varphi_{3,1} = 39_2$ |
| $39_4 = \chi_{8,1}$  | .               | .               | .               | .               | .               | 1               |                        |
| $104_1 = \chi_{9+}$  | 1               | 1               | 1               | 1               | 1               | 1               |                        |
| $104_2 = \chi_{11+}$ | 1               | 1               | 1               | 1               | 1               | 1               |                        |
| $64_1 = \chi_{13,0}$ | 1               | .               | 1               | 1               | 1               | .               |                        |
| $64_2 = \chi_{13,1}$ | .               | 1               | 1               | 1               | .               | 1               |                        |

| Block 2:             | $\varphi_{4,0}$ | $\varphi_{4,1}$ |                        |
|----------------------|-----------------|-----------------|------------------------|
| $65_1 = \chi_{14,0}$ | 1               | .               | $\varphi_{4,0} = 65_1$ |
| $65_2 = \chi_{14,1}$ | .               | 1               | $\varphi_{4,1} = 65_2$ |
| $130_1 = \chi_{15+}$ | 1               | 1               |                        |
| $130_2 = \chi_{17+}$ | 1               | 1               |                        |