

$U_3(3).2 \pmod{7}$

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

| | blocks | defect | matrix |
|--|--------|--------|------------------------------------|
| | 6 | 0 | $14_3 = \chi_{6,1}, \varphi_{6,1}$ |
| | 7 | 0 | $21_1 = \chi_{7,0}, \varphi_{7,0}$ |
| | 8 | 0 | $21_2 = \chi_{7,1}, \varphi_{7,1}$ |
| | 9 | 0 | $42_1 = \chi_{8+}, \varphi_{8+}$ |
| | 10 | 0 | $56_1 = \chi_{11+}, \varphi_{11+}$ |

| Block 1: | $\varphi_{1,0}$ | $\varphi_{1,1}$ | $\varphi_{2,0}$ | $\varphi_{2,1}$ | $\varphi_{10,0}$ | $\varphi_{10,1}$ | |
|----------------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-------------------------|
| $1_1 = \chi_{1,0}$ | 1 | . | . | . | . | . | $\varphi_{1,0} = 1_1$ |
| $1_2 = \chi_{1,1}$ | . | 1 | . | . | . | . | $\varphi_{1,1} = 1_2$ |
| $6_1 = \chi_{2,0}$ | . | . | 1 | . | . | . | $\varphi_{2,0} = 6_1$ |
| $6_2 = \chi_{2,1}$ | . | . | . | 1 | . | . | $\varphi_{2,1} = 6_2$ |
| $27_1 = \chi_{10,0}$ | 1 | . | . | . | 1 | . | $\varphi_{10,0} = 26_1$ |
| $27_2 = \chi_{10,1}$ | . | 1 | . | . | . | 1 | $\varphi_{10,1} = 26_2$ |
| $64_1 = \chi_{13+}$ | . | . | 1 | 1 | 1 | 1 | |