

$$U_3(4) \pmod{3}$$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	3×2		7	0	$39_1 = \chi_7, \varphi_7$
	2	0	$12_1 = \chi_2, \varphi_2$		8	0	$39_2 = \chi_8, \varphi_8$
	3	1	3×2		9	0	$75_1 = \chi_{19}, \varphi_{14}$
	$4 = \bar{3}$	1	3×2		$10 = \bar{9}$	0	$75_2 = \chi_{20}, \varphi_{15}$
	5	1	3×2		11	0	$75_3 = \chi_{21}, \varphi_{16}$
	$6 = \bar{5}$	1	3×2		$12 = \bar{11}$	0	$75_4 = \chi_{22}, \varphi_{17}$

Block 1:	φ_1	φ_{13}
$1_1 = \chi_1$	1	.
$64_1 = \chi_{13}$	.	1
$65_1 = \chi_{14}$	1	1

$$\begin{aligned} \varphi_1 &= 1_1 \\ \varphi_{13} &= 64_1 \end{aligned}$$

Block 3:	φ_3	φ_9
$13_1 = \chi_3$	1	.
$52_1 = \chi_9$	.	1
$65_2 = \chi_{15}$	1	1

$$\begin{aligned} \varphi_3 &= 13_1 \\ \varphi_9 &= 52_1 \end{aligned}$$

Block 4:	φ_4	φ_{10}
$13_2 = \chi_4$	1	.
$52_2 = \chi_{10}$	.	1
$65_3 = \chi_{16}$	1	1

$$\begin{aligned} \varphi_4 &= 13_2 \\ \varphi_{10} &= 52_2 \end{aligned}$$

Block 5:	φ_5	φ_{11}
$13_3 = \chi_5$	1	.
$52_3 = \chi_{11}$	.	1
$65_4 = \chi_{17}$	1	1

$$\begin{aligned} \varphi_5 &= 13_3 \\ \varphi_{11} &= 52_3 \end{aligned}$$

Block 6:	φ_6	φ_{12}
$13_4 = \chi_6$	1	.
$52_4 = \chi_{12}$	.	1
$65_5 = \chi_{18}$	1	1

$$\begin{aligned} \varphi_6 &= 13_4 \\ \varphi_{12} &= 52_4 \end{aligned}$$