

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

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	3×2		14	0	$258_5 = \chi_{12,0}, \varphi_{12,0}$
	2	1	3×2		15	0	$258_6 = \chi_{12,1}, \varphi_{12,1}$
	3	0	$42_1 = \chi_{2,0}, \varphi_{2,0}$		16	0	$516_1 = \chi_{13+}, \varphi_{13+}$
	$4 = \bar{3}$	0	$42_2 = \chi_{2,1}, \varphi_{2,1}$		17	0	$516_2 = \chi_{15+}, \varphi_{15+}$
	5	1	3×2		18	1	3×1
	6	1	3×2		19	1	3×1
	7	1	3×2		20	0	$768_1 = \chi_{45+}, \varphi_{29+}$
	8	1	3×2		21	0	$768_2 = \chi_{47+}, \varphi_{31+}$
	9	1	3×2		22	0	$768_3 = \chi_{49+}, \varphi_{33+}$
	10	0	$258_1 = \chi_{10,0}, \varphi_{10,0}$		23	0	$768_4 = \chi_{51+}, \varphi_{35+}$
	11	0	$258_2 = \chi_{10,1}, \varphi_{10,1}$		24	0	$768_5 = \chi_{53+}, \varphi_{37+}$
	12	0	$258_3 = \chi_{11,0}, \varphi_{11,0}$		25	0	$768_6 = \chi_{55+}, \varphi_{39+}$
	13	0	$258_4 = \chi_{11,1}, \varphi_{11,1}$		26	0	$768_7 = \chi_{57+}, \varphi_{41+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{24,0}$
$1_1 = \chi_{1,0}$	1	.
$343_1 = \chi_{24,0}$	.	1
$344_3 = \chi_{26,0}$	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{24,0} &= 343_1 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{24,1}$
$1_2 = \chi_{1,1}$	1	.
$343_2 = \chi_{24,1}$	.	1
$344_4 = \chi_{26,1}$	1	1

$$\begin{aligned} \varphi_{1,1} &= 1_2 \\ \varphi_{24,1} &= 343_2 \end{aligned}$$

Block 5:	$\varphi_{3,0}$	$\varphi_{17,1}$
$43_1 = \chi_{3,0}$	1	.
$301_2 = \chi_{17,1}$	.	1
$344_2 = \chi_{25,1}$	1	1

$$\begin{aligned} \varphi_{3,0} &= 43_1 \\ \varphi_{17,1} &= 301_2 \end{aligned}$$

Block 6:	$\varphi_{3,1}$	$\varphi_{17,0}$
$43_2 = \chi_{3,1}$	1	.
$301_1 = \chi_{17,0}$	.	1
$344_1 = \chi_{25,0}$	1	1

$$\begin{aligned} \varphi_{3,1} &= 43_2 \\ \varphi_{17,0} &= 301_1 \end{aligned}$$

Block 7:	φ_{4+}	φ_{18+}	
$86_1 = \chi_{4+}$	1	.	$\varphi_{4+} = 86_1$
$602_1 = \chi_{18+}$	.	1	$\varphi_{18+} = 602_1$
$688_1 = \chi_{27+}$	1	1	

Block 8:	φ_{6+}	φ_{20+}	
$86_2 = \chi_{6+}$	1	.	$\varphi_{6+} = 86_2$
$602_2 = \chi_{20+}$	.	1	$\varphi_{20+} = 602_2$
$688_3 = \chi_{31+}$	1	1	

Block 9:	φ_{8+}	φ_{22+}	
$86_3 = \chi_{8+}$	1	.	$\varphi_{8+} = 86_3$
$602_3 = \chi_{22+}$	.	1	$\varphi_{22+} = 602_3$
$688_2 = \chi_{29+}$	1	1	

Block 18:	φ_{25+}	
$688_4 = \chi_{33+}$	1	$\varphi_{25+} = 688_1$
$688_7 = \chi_{39+}$	1	
$688_9 = \chi_{43+}$	1	

Block 19:	φ_{27+}	
$688_5 = \chi_{35+}$	1	$\varphi_{27+} = 688_2$
$688_6 = \chi_{37+}$	1	
$688_8 = \chi_{41+}$	1	