

$U_3(8).2 \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	5×2
	2	1	5×2
	3	0	$56_1 = \chi_{2,0}, \varphi_{2,0}$
	$4 = \bar{3}$	0	$56_2 = \chi_{2,1}, \varphi_{2,1}$
	5	1	5×2
	6	0	$133_1 = \chi_{5,0}, \varphi_{5,0}$
	7	0	$133_2 = \chi_{5,1}, \varphi_{5,1}$
	8	0	$266_1 = \chi_{6+}, \varphi_{6+}$
	9	0	$399_1 = \chi_{8,0}, \varphi_{8,0}$
	10	0	$399_2 = \chi_{8,1}, \varphi_{8,1}$
	11	0	$399_3 = \chi_{9,0}, \varphi_{9,0}$
	12	0	$399_4 = \chi_{9,1}, \varphi_{9,1}$
	13	0	$399_5 = \chi_{10,0}, \varphi_{10,0}$
	14	0	$399_6 = \chi_{10,1}, \varphi_{10,1}$
	15	0	$1134_1 = \chi_{23+}, \varphi_{14+}$
	16	0	$1134_2 = \chi_{25+}, \varphi_{16+}$

	blocks	defect	matrix
	17	0	$1134_3 = \chi_{27+}, \varphi_{18+}$
$3.G :$	18	1	5×2
	19	1	5×2
	20	1	5×2
	21	0	$378_1 = \chi_{32+}, \varphi_{23+}$
	22	0	$378_2 = \chi_{33+}, \varphi_{24+}$
	$23 = \bar{22}$	0	$378_3 = \chi_{34+}, \varphi_{25+}$
	24	0	$798_1 = \chi_{35+}, \varphi_{26+}$
	25	0	$798_2 = \chi_{36+}, \varphi_{27+}$
	26	0	$798_3 = \chi_{37+}, \varphi_{28+}$
	27	0	$1134_4 = \chi_{50+}, \varphi_{32+}$
	28	0	$1134_5 = \chi_{51+}, \varphi_{33+}$
	29	0	$1134_6 = \chi_{52+}, \varphi_{34+}$
	30	0	$1134_7 = \chi_{53+}, \varphi_{35+}$
	31	0	$1134_8 = \chi_{54+}, \varphi_{36+}$
	32	0	$1134_9 = \chi_{55+}, \varphi_{37+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{13,0}$	
$1_1 = \chi_{1,0}$	1	.	$\varphi_{1,0} = 1_1$ $\varphi_{13,0} = 512_1$
$512_1 = \chi_{13,0}$	.	1
$513_1 = \chi_{14,0}$	1	1	
$513_3 = \chi_{15,0}$	1	1	
$513_5 = \chi_{16,0}$	1	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{13,1}$	
$1_2 = \chi_{1,1}$	1	.	$\varphi_{1,1} = 1_2$ $\varphi_{13,1} = 512_2$
$512_2 = \chi_{13,1}$	.	1
$513_2 = \chi_{14,1}$	1	1	
$513_4 = \chi_{15,1}$	1	1	
$513_6 = \chi_{16,1}$	1	1	

Block 5:	φ_{3+}	φ_{11+}
$114_1 = \chi_{3+}$	1	.
$912_1 = \chi_{11+}$	.	1
$1026_1 = \chi_{17+}$	1	1
$1026_2 = \chi_{19+}$	1	1
$1026_3 = \chi_{21+}$	1	1

$$\begin{aligned}\varphi_{3+} &= 114_1 \\ \varphi_{11+} &= 912_1\end{aligned}$$

Block 18:	φ_{20+}	φ_{29+}
$114_2 = \chi_{29+}$	1	.
$912_2 = \chi_{38+}$	.	1
$1026_4 = \chi_{41+}$	1	1
$1026_7 = \chi_{44+}$	1	1
$1026_{10} = \chi_{47+}$	1	1

$$\begin{aligned}\varphi_{20+} &= 114_2 \\ \varphi_{29+} &= 912_2\end{aligned}$$

Block 19:	φ_{21+}	φ_{30+}
$114_3 = \chi_{30+}$	1	.
$912_3 = \chi_{39+}$	.	1
$1026_5 = \chi_{42+}$	1	1
$1026_8 = \chi_{45+}$	1	1
$1026_{11} = \chi_{48+}$	1	1

$$\begin{aligned}\varphi_{21+} &= 114_3 \\ \varphi_{30+} &= 912_3\end{aligned}$$

Block 20:	φ_{22+}	φ_{31+}
$114_4 = \chi_{31+}$	1	.
$912_4 = \chi_{40+}$	.	1
$1026_6 = \chi_{43+}$	1	1
$1026_9 = \chi_{46+}$	1	1
$1026_{12} = \chi_{49+}$	1	1

$$\begin{aligned}\varphi_{22+} &= 114_4 \\ \varphi_{31+} &= 912_4\end{aligned}$$