

$U_3(8).3_3 \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	7×6
	2	0	$56_1 = \chi_{2,0}, \varphi_{2,0}$
	3	0	$56_2 = \chi_{2,1}, \varphi_{2,1}$
	$4 = \bar{3}$	0	$56_3 = \chi_{2,2}, \varphi_{2,2}$
	5	1	7×6

	blocks	defect	matrix
	$6 = \bar{5}$	1	7×6
	7	0	$399_1 = \chi_{5+}, \varphi_{5+}$
	8	0	$1197_1 = \chi_{8+}, \varphi_{8+}$
	9	0	$1701_1 = \chi_{23+}, \varphi_{14+}$
	$10 = \bar{9}$	0	$1701_2 = \chi_{24+}, \varphi_{15+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{13,2}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	$\varphi_{1,0} = 1_1$
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	$\varphi_{1,1} = 1_2$
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	$\varphi_{1,2} = 1_3$
$512_1 = \chi_{13,0}$	.	.	.	1	.	.	$\varphi_{13,0} = 512_1$
$512_2 = \chi_{13,1}$	.	.	.	.	1	.	$\varphi_{13,1} = 512_2$
$512_3 = \chi_{13,2}$	.	.	.	.	.	1	$\varphi_{13,2} = 512_3$
$1539_1 = \chi_{14+}$	1	1	1	1	1	1	

Block 5:	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{3,2}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{11,2}$	
$57_1 = \chi_{3,0}$	1	.	.	.	.	.	$\varphi_{3,0} = 57_1$
$57_2 = \chi_{3,1}$	.	1	.	.	.	.	$\varphi_{3,1} = 57_2$
$57_3 = \chi_{3,2}$	.	.	1	.	.	.	$\varphi_{3,2} = 57_3$
$456_1 = \chi_{11,0}$	.	.	.	1	.	.	$\varphi_{11,0} = 456_1$
$456_2 = \chi_{11,1}$	.	.	.	.	1	.	$\varphi_{11,1} = 456_2$
$456_3 = \chi_{11,2}$	.	.	.	.	.	1	$\varphi_{11,2} = 456_3$
$1539_2 = \chi_{17+}$	1	1	1	1	1	1	

Block 6:	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{4,2}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{12,2}$	
$57_4 = \chi_{4,0}$	1	.	.	.	.	.	$\varphi_{4,0} = 57_4$
$57_5 = \chi_{4,1}$	.	1	.	.	.	.	$\varphi_{4,1} = 57_5$
$57_6 = \chi_{4,2}$	.	.	1	.	.	.	$\varphi_{4,2} = 57_6$
$456_4 = \chi_{12,0}$	.	.	.	1	.	.	$\varphi_{12,0} = 456_4$
$456_5 = \chi_{12,1}$	.	.	.	.	1	.	$\varphi_{12,1} = 456_5$
$456_6 = \chi_{12,2}$	.	.	.	.	.	1	$\varphi_{12,2} = 456_6$
$1539_3 = \chi_{18+}$	1	1	1	1	1	1	