

$U_3(7) \pmod{2}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	7	28×3		9	0	$384_7 = \chi_{51}, \varphi_{11}$
	2	4	16×1		$10 = \overline{9}$	0	$384_8 = \chi_{52}, \varphi_{12}$
	3	0	$384_1 = \chi_{45}, \varphi_5$		11	0	$384_9 = \chi_{53}, \varphi_{13}$
	$4 = \overline{3}$	0	$384_2 = \chi_{46}, \varphi_6$		$12 = \overline{11}$	0	$384_{10} = \chi_{54}, \varphi_{14}$
	5	0	$384_3 = \chi_{47}, \varphi_7$		13	0	$384_{11} = \chi_{55}, \varphi_{15}$
	$6 = \overline{5}$	0	$384_4 = \chi_{48}, \varphi_8$		$14 = \overline{13}$	0	$384_{12} = \chi_{56}, \varphi_{16}$
	7	0	$384_5 = \chi_{49}, \varphi_9$		15	0	$384_{13} = \chi_{57}, \varphi_{17}$
	$8 = \overline{7}$	0	$384_6 = \chi_{50}, \varphi_{10}$		$16 = \overline{15}$	0	$384_{14} = \chi_{58}, \varphi_{18}$

Block 1:	φ_1	φ_2	φ_3	
$1_1 = \chi_1$	1	.	.	
$42_1 = \chi_2$	.	1	.	
$43_1 = \chi_3$	1	1	.	
$43_2 = \chi_4$	1	1	.	
$43_3 = \chi_5$	1	1	.	
$43_4 = \chi_6$	1	1	.	
$43_5 = \chi_7$	1	1	.	
$43_6 = \chi_8$	1	1	.	
$43_7 = \chi_9$	1	1	.	
$258_1 = \chi_{10}$	.	.	1	
$258_2 = \chi_{11}$	.	.	1	
$258_3 = \chi_{12}$	.	.	1	
$258_4 = \chi_{13}$	.	.	1	$\varphi_1 = 1_1$
$258_5 = \chi_{14}$	.	.	1	$\varphi_2 = 42_1$
$258_6 = \chi_{15}$	.	.	1	$\varphi_3 = 258_1$
$258_7 = \chi_{16}$	.	.	1	
$301_1 = \chi_{17}$	1	1	1	
$301_2 = \chi_{18}$	1	1	1	
$301_3 = \chi_{19}$	1	1	1	
$301_4 = \chi_{20}$	1	1	1	
$301_5 = \chi_{21}$	1	1	1	
$301_6 = \chi_{22}$	1	1	1	
$301_7 = \chi_{23}$	1	1	1	
$343_1 = \chi_{24}$	1	2	1	
$344_9 = \chi_{33}$	2	2	1	
$344_{10} = \chi_{34}$	2	2	1	
$344_{11} = \chi_{35}$	2	2	1	
$344_{12} = \chi_{36}$	2	2	1	

Block 2:	φ_4
$344_1 = \chi_{25}$	1
$344_2 = \chi_{26}$	1
$344_3 = \chi_{27}$	1
$344_4 = \chi_{28}$	1
$344_5 = \chi_{29}$	1
$344_6 = \chi_{30}$	1
$344_7 = \chi_{31}$	1
$344_8 = \chi_{32}$	1
$344_{13} = \chi_{37}$	1
$344_{14} = \chi_{38}$	1
$344_{15} = \chi_{39}$	1
$344_{16} = \chi_{40}$	1
$344_{17} = \chi_{41}$	1
$344_{18} = \chi_{42}$	1
$344_{19} = \chi_{43}$	1
$344_{20} = \chi_{44}$	1

$$\varphi_4 = 344_1$$