

$U_3(5).3 \pmod{2}$

	blocks	defect	matrix
$G :$	1	4	8×3
	2	4	8×3
	$3 = \bar{2}$	4	8×3
	4	2	4×1
	5	0	$144_1 = \chi_{13,0}, \varphi_{7,0}$
	6	0	$144_2 = \chi_{13,1}, \varphi_{7,1}$
	7	0	$144_3 = \chi_{13,2}, \varphi_{7,2}$
	$8 = \bar{5}$	0	$144_4 = \chi_{14,0}, \varphi_{8,0}$
	$9 = \bar{7}$	0	$144_5 = \chi_{14,1}, \varphi_{8,1}$
	$10 = \bar{6}$	0	$144_6 = \chi_{14,2}, \varphi_{8,2}$
$3.G :$	11	4	8×2
	12	4	8×2
	13	4	8×2
	$14 = 11^*$		
	$15 = 13^*$		

	blocks	defect	matrix
	$16 = 12^*$		
	17	0	$144_7 = \chi_{17+}, \varphi_{10+}$
	$18 = 17^*$		
	19	0	$144_9 = \chi_{26,0}, \varphi_{14,0}$
	20	0	$144_{10} = \chi_{26,1}, \varphi_{14,1}$
	21	0	$144_{11} = \chi_{26,2}, \varphi_{14,2}$
	$22 = 19^*$		
	$23 = 21^*$		
	$24 = 20^*$		
	$25 = \bar{22}$	0	$144_{15} = \chi_{27,0}, \varphi_{15,0}$
	$26 = \bar{24}$	0	$144_{16} = \chi_{27,1}, \varphi_{15,1}$
	$27 = \bar{23}$	0	$144_{17} = \chi_{27,2}, \varphi_{15,2}$
	$28 = 25^*$		
	$29 = 27^*$		
	$30 = 26^*$		

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{6,0}$
$1_1 = \chi_{1,0}$	1	.	.
$20_1 = \chi_{2,0}$	.	1	.
$21_1 = \chi_{3,0}$	1	1	.
$105_1 = \chi_{8,0}$	1	.	1
$125_1 = \chi_{9,0}$	1	1	1
$126_1 = \chi_{10,0}$	2	1	1
$126_4 = \chi_{11,0}$	2	1	1
$126_7 = \chi_{12,0}$	2	1	1

$$\begin{aligned}
 \varphi_{1,0} &= 1_1 \\
 \varphi_{2,0} &= 20_1 \\
 \varphi_{6,0} &= 104_1
 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{2,1}$	$\varphi_{6,1}$
$1_2 = \chi_{1,1}$	1	.	.
$20_2 = \chi_{2,1}$	.	1	.
$21_2 = \chi_{3,1}$	1	1	.
$105_2 = \chi_{8,1}$	1	.	1
$125_2 = \chi_{9,1}$	1	1	1
$126_2 = \chi_{10,1}$	2	1	1
$126_5 = \chi_{11,1}$	2	1	1
$126_8 = \chi_{12,1}$	2	1	1

$$\begin{aligned}
 \varphi_{1,1} &= 1_2 \\
 \varphi_{2,1} &= 20_2 \\
 \varphi_{6,1} &= 104_2
 \end{aligned}$$

Block 3:	$\varphi_{1,2}$	$\varphi_{2,2}$	$\varphi_{6,2}$	
$1_3 = \chi_{1,2}$	1	.	.	
$20_3 = \chi_{2,2}$	.	1	.	
$21_3 = \chi_{3,2}$	1	1	.	$\varphi_{1,2} = 1_3$
$105_3 = \chi_{8,2}$	1	.	1	$\varphi_{2,2} = 20_3$
$125_3 = \chi_{9,2}$	1	1	1	$\varphi_{6,2} = 104_3$
$126_3 = \chi_{10,2}$	2	1	1	
$126_6 = \chi_{11,2}$	2	1	1	
$126_9 = \chi_{12,2}$	2	1	1	

Block 4:	φ_{3+}	
$84_1 = \chi_{4+}$	1	
$84_2 = \chi_{7,0}$	1	$\varphi_{3+} = 84_1$
$84_3 = \chi_{7,1}$	1	
$84_4 = \chi_{7,2}$	1	

Blocks 11, 14:	$\varphi_{9,0}$	$\varphi_{13,0}$	
$21_4 = \chi_{15,0}$	1	.	
$21_{10} = \chi_{16,0}$	1	.	
$84_5 = \chi_{20,0}$	.	1	$\varphi_{9,0} = 21_1$
$105_4 = \chi_{21,0}$	1	1	$\varphi_{13,0} = 84_2$
$105_{10} = \chi_{22,0}$	1	1	
$126_{10} = \chi_{23,0}$	2	1	
$126_{16} = \chi_{24,0}$	2	1	
$126_{22} = \chi_{25,0}$	2	1	

Blocks 12, 16:	$\varphi_{9,1}$	$\varphi_{13,1}$	
$21_5 = \chi_{15,1}$	1	.	
$21_{11} = \chi_{16,1}$	1	.	
$84_6 = \chi_{20,1}$	.	1	$\varphi_{9,1} = 21_2$
$105_5 = \chi_{21,1}$	1	1	$\varphi_{13,1} = 84_3$
$105_{11} = \chi_{22,1}$	1	1	
$126_{11} = \chi_{23,1}$	2	1	
$126_{17} = \chi_{24,1}$	2	1	
$126_{23} = \chi_{25,1}$	2	1	

Blocks 13, 15:	$\varphi_{9,2}$	$\varphi_{13,2}$	
$21_6 = \chi_{15,2}$	1	.	
$21_{12} = \chi_{16,2}$	1	.	
$84_7 = \chi_{20,2}$	.	1	$\varphi_{9,2} = 21_3$
$105_6 = \chi_{21,2}$	1	1	$\varphi_{13,2} = 84_4$
$105_{12} = \chi_{22,2}$	1	1	
$126_{12} = \chi_{23,2}$	2	1	
$126_{18} = \chi_{24,2}$	2	1	
$126_{24} = \chi_{25,2}$	2	1	