

$U_3(5).3 \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	5×3
	2	1	5×3
	$3 = \bar{2}$	1	5×3
	4	0	$21_1 = \chi_{3,0}, \varphi_{3,0}$
	5	0	$21_2 = \chi_{3,1}, \varphi_{3,1}$
	$6 = \bar{5}$	0	$21_3 = \chi_{3,2}, \varphi_{3,2}$
	7	0	$84_1 = \chi_{4+}, \varphi_{4+}$
	8	0	$84_2 = \chi_{7,0}, \varphi_{7,0}$
	9	0	$84_3 = \chi_{7,1}, \varphi_{7,1}$
	$10 = \bar{9}$	0	$84_4 = \chi_{7,2}, \varphi_{7,2}$
	11	0	$105_1 = \chi_{8,0}, \varphi_{8,0}$
	12	0	$105_2 = \chi_{8,1}, \varphi_{8,1}$
	$13 = \bar{12}$	0	$105_3 = \chi_{8,2}, \varphi_{8,2}$
	14	0	$126_1 = \chi_{10,0}, \varphi_{10,0}$
	15	0	$126_2 = \chi_{10,1}, \varphi_{10,1}$
	$16 = \bar{15}$	0	$126_3 = \chi_{10,2}, \varphi_{10,2}$
	17	0	$126_4 = \chi_{11,0}, \varphi_{11,0}$
	18	0	$126_5 = \chi_{11,1}, \varphi_{11,1}$
	19	0	$126_6 = \chi_{11,2}, \varphi_{11,2}$
	$20 = \bar{17}$	0	$126_7 = \chi_{12,0}, \varphi_{12,0}$
	$21 = \bar{19}$	0	$126_8 = \chi_{12,1}, \varphi_{12,1}$
	$22 = \bar{18}$	0	$126_9 = \chi_{12,2}, \varphi_{12,2}$
$3.G :$	23	0	$21_4 = \chi_{15,0}, \varphi_{13,0}$
	24	0	$21_5 = \chi_{15,1}, \varphi_{13,1}$
	25	0	$21_6 = \chi_{15,2}, \varphi_{13,2}$
	$26 = 23^*$		
	$27 = 25^*$		
	$28 = 24^*$		
	29	0	$21_{10} = \chi_{16,0}, \varphi_{14,0}$
	30	0	$21_{11} = \chi_{16,1}, \varphi_{14,1}$
	31	0	$21_{12} = \chi_{16,2}, \varphi_{14,2}$
	$32 = 29^*$		
	$33 = 31^*$		
	$34 = 30^*$		
	35	1	7×1
	$36 = 35^*$		

	blocks	defect	matrix
	37	0	$84_5 = \chi_{20,0}, \varphi_{18,0}$
	38	0	$84_6 = \chi_{20,1}, \varphi_{18,1}$
	39	0	$84_7 = \chi_{20,2}, \varphi_{18,2}$
	$40 = 37^*$		
	$41 = 39^*$		
	$42 = 38^*$		
	43	0	$105_4 = \chi_{21,0}, \varphi_{19,0}$
	44	0	$105_5 = \chi_{21,1}, \varphi_{19,1}$
	45	0	$105_6 = \chi_{21,2}, \varphi_{19,2}$
	$46 = 43^*$		
	$47 = 45^*$		
	$48 = 44^*$		
	49	0	$105_{10} = \chi_{22,0}, \varphi_{20,0}$
	50	0	$105_{11} = \chi_{22,1}, \varphi_{20,1}$
	51	0	$105_{12} = \chi_{22,2}, \varphi_{20,2}$
	$52 = 49^*$		
	$53 = 51^*$		
	$54 = 50^*$		
	55	0	$126_{10} = \chi_{23,0}, \varphi_{21,0}$
	56	0	$126_{11} = \chi_{23,1}, \varphi_{21,1}$
	57	0	$126_{12} = \chi_{23,2}, \varphi_{21,2}$
	$58 = 55^*$		
	$59 = 57^*$		
	$60 = 56^*$		
	61	0	$126_{16} = \chi_{24,0}, \varphi_{22,0}$
	62	0	$126_{17} = \chi_{24,1}, \varphi_{22,1}$
	63	0	$126_{18} = \chi_{24,2}, \varphi_{22,2}$
	$64 = 61^*$		
	$65 = 63^*$		
	$66 = 62^*$		
	$67 = \bar{64}$	0	$126_{22} = \chi_{25,0}, \varphi_{23,0}$
	$68 = \bar{66}$	0	$126_{23} = \chi_{25,1}, \varphi_{23,1}$
	$69 = \bar{65}$	0	$126_{24} = \chi_{25,2}, \varphi_{23,2}$
	$70 = 67^*$		
	$71 = 69^*$		
	$72 = 68^*$		

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{9,0}$	
$1_1 = \chi_{1,0}$	1	.	.	$\varphi_{1,0} = 1_1$
$20_1 = \chi_{2,0}$	.	1	.	$\varphi_{2,0} = 20_1$
$125_1 = \chi_{9,0}$	1	.	1	$\varphi_{9,0} = 124_1$
$144_1 = \chi_{13,0}$	.	1	1	
$144_4 = \chi_{14,0}$	.	1	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{2,1}$	$\varphi_{9,1}$	
$1_2 = \chi_{1,1}$	1	.	.	$\varphi_{1,1} = 1_2$
$20_2 = \chi_{2,1}$	.	1	.	$\varphi_{2,1} = 20_2$
$125_2 = \chi_{9,1}$	1	.	1	$\varphi_{9,1} = 124_2$
$144_2 = \chi_{13,1}$	.	1	1	
$144_5 = \chi_{14,1}$	.	1	1	

Block 3:	$\varphi_{1,2}$	$\varphi_{2,2}$	$\varphi_{9,2}$	
$1_3 = \chi_{1,2}$	1	.	.	$\varphi_{1,2} = 1_3$
$20_3 = \chi_{2,2}$	.	1	.	$\varphi_{2,2} = 20_3$
$125_3 = \chi_{9,2}$	1	.	1	$\varphi_{9,2} = 124_3$
$144_3 = \chi_{13,2}$	.	1	1	
$144_6 = \chi_{14,2}$	.	1	1	

Blocks 35, 36:	φ_{15+}	
$144_7 = \chi_{17+}$	1	$\varphi_{15+} = 144_1$
$144_9 = \chi_{26,0}$	1	
$144_{10} = \chi_{26,1}$	1	
$144_{11} = \chi_{26,2}$	1	
$144_{15} = \chi_{27,0}$	1	
$144_{16} = \chi_{27,1}$	1	
$144_{17} = \chi_{27,2}$	1	