

$U_3(8) \pmod{19}$

	blocks	defect	matrix
$G :$	1	1	9×3
	2	0	$57_1 = \chi_3, \varphi_3$
	$3 = \bar{2}$	0	$57_2 = \chi_4, \varphi_4$
	4	0	$133_1 = \chi_5, \varphi_5$
	5	0	$133_2 = \chi_6, \varphi_6$
	6	0	$133_3 = \chi_7, \varphi_7$
	7	0	$399_1 = \chi_8, \varphi_8$
	8	0	$399_2 = \chi_9, \varphi_9$
	9	0	$399_3 = \chi_{10}, \varphi_{10}$
	10	0	$456_1 = \chi_{11}, \varphi_{11}$
	$11 = \bar{10}$	0	$456_2 = \chi_{12}, \varphi_{12}$
	12	0	$513_1 = \chi_{14}, \varphi_{14}$
	13	0	$513_2 = \chi_{15}, \varphi_{15}$
	14	0	$513_3 = \chi_{16}, \varphi_{16}$
	15	0	$513_4 = \chi_{17}, \varphi_{17}$
	$16 = \bar{15}$	0	$513_5 = \chi_{18}, \varphi_{18}$
	17	0	$513_6 = \chi_{19}, \varphi_{19}$
	$18 = \bar{17}$	0	$513_7 = \chi_{20}, \varphi_{20}$
	19	0	$513_8 = \chi_{21}, \varphi_{21}$
	$20 = \bar{19}$	0	$513_9 = \chi_{22}, \varphi_{22}$
$3.G :$	21	0	$57_3 = \chi_{29}, \varphi_{23}$
	$22 = 21^*$		
	23	0	$57_5 = \chi_{30}, \varphi_{24}$
	$24 = 23^*$		
	25	0	$57_7 = \chi_{31}, \varphi_{25}$
	$26 = 25^*$		
	27	1	9×3
	$28 = 27^*$		
	29	0	$399_4 = \chi_{35}, \varphi_{29}$

	blocks	defect	matrix
	$30 = 29^*$		
	31	0	$399_6 = \chi_{36}, \varphi_{30}$
	$32 = 31^*$		
	33	0	$399_8 = \chi_{37}, \varphi_{31}$
	$34 = 33^*$		
	35	0	$456_3 = \chi_{38}, \varphi_{32}$
	$36 = 35^*$		
	37	0	$456_5 = \chi_{39}, \varphi_{33}$
	$38 = 37^*$		
	39	0	$456_7 = \chi_{40}, \varphi_{34}$
	$40 = 39^*$		
	41	0	$513_{10} = \chi_{41}, \varphi_{35}$
	$42 = 41^*$		
	43	0	$513_{12} = \chi_{42}, \varphi_{36}$
	$44 = 43^*$		
	45	0	$513_{14} = \chi_{43}, \varphi_{37}$
	$46 = 45^*$		
	47	0	$513_{16} = \chi_{44}, \varphi_{38}$
	$48 = 47^*$		
	49	0	$513_{18} = \chi_{45}, \varphi_{39}$
	$50 = 49^*$		
	51	0	$513_{20} = \chi_{46}, \varphi_{40}$
	$52 = 51^*$		
	53	0	$513_{22} = \chi_{47}, \varphi_{41}$
	$54 = 53^*$		
	55	0	$513_{24} = \chi_{48}, \varphi_{42}$
	$56 = 55^*$		
	57	0	$513_{26} = \chi_{49}, \varphi_{43}$
	$58 = 57^*$		

Block 1:	φ_1	φ_2	φ_{13}	
$1_1 = \chi_1$	1	.	.	
$56_1 = \chi_2$	.	1	.	
$512_1 = \chi_{13}$	1	.	1	$\varphi_1 = 1_1$
$567_1 = \chi_{23}$	.	1	1	$\varphi_2 = 56_1$
$567_2 = \chi_{24}$	.	1	1	$\varphi_{13} = 511_1$
$567_3 = \chi_{25}$	.	1	1	
$567_4 = \chi_{26}$	.	1	1	
$567_5 = \chi_{27}$	.	1	1	
$567_6 = \chi_{28}$	.	1	1	

Blocks 27, 28:	φ_{26}	φ_{27}	φ_{28}	
$189_1 = \chi_{32}$	1	.	.	
$189_3 = \chi_{33}$	.	1	.	
$189_5 = \chi_{34}$	.	.	1	$\varphi_{26} = 189_1$
$567_7 = \chi_{50}$	1	1	1	$\varphi_{27} = 189_3$
$567_9 = \chi_{51}$	1	1	1	$\varphi_{28} = 189_5$
$567_{11} = \chi_{52}$	1	1	1	
$567_{13} = \chi_{53}$	1	1	1	
$567_{15} = \chi_{54}$	1	1	1	
$567_{17} = \chi_{55}$	1	1	1	