

$U_3(8).2 \pmod{19}$

	blocks	defect	matrix
$G :$	1	1	9×6
	2	0	$114_1 = \chi_{3+}, \varphi_{3+}$
	3	0	$133_1 = \chi_{5,0}, \varphi_{5,0}$
	4	0	$133_2 = \chi_{5,1}, \varphi_{5,1}$
	5	0	$266_1 = \chi_{6+}, \varphi_{6+}$
	6	0	$399_1 = \chi_{8,0}, \varphi_{8,0}$
	7	0	$399_2 = \chi_{8,1}, \varphi_{8,1}$
	8	0	$399_3 = \chi_{9,0}, \varphi_{9,0}$
	9	0	$399_4 = \chi_{9,1}, \varphi_{9,1}$
	10	0	$399_5 = \chi_{10,0}, \varphi_{10,0}$
	11	0	$399_6 = \chi_{10,1}, \varphi_{10,1}$
	12	0	$912_1 = \chi_{11+}, \varphi_{11+}$
	13	0	$513_1 = \chi_{14,0}, \varphi_{14,0}$
	14	0	$513_2 = \chi_{14,1}, \varphi_{14,1}$
	15	0	$513_3 = \chi_{15,0}, \varphi_{15,0}$
	16	0	$513_4 = \chi_{15,1}, \varphi_{15,1}$
	17	0	$513_5 = \chi_{16,0}, \varphi_{16,0}$
	18	0	$513_6 = \chi_{16,1}, \varphi_{16,1}$
	19	0	$1026_1 = \chi_{17+}, \varphi_{17+}$
	20	0	$1026_2 = \chi_{19+}, \varphi_{19+}$

	blocks	defect	matrix
	21	0	$1026_3 = \chi_{21+}, \varphi_{21+}$
$3.G :$	22	0	$114_2 = \chi_{29+}, \varphi_{23+}$
	23	0	$114_3 = \chi_{30+}, \varphi_{24+}$
	24	0	$114_4 = \chi_{31+}, \varphi_{25+}$
	25	1	9×3
	26	0	$798_1 = \chi_{35+}, \varphi_{29+}$
	27	0	$798_2 = \chi_{36+}, \varphi_{30+}$
	28	0	$798_3 = \chi_{37+}, \varphi_{31+}$
	29	0	$912_2 = \chi_{38+}, \varphi_{32+}$
	30	0	$912_3 = \chi_{39+}, \varphi_{33+}$
	31	0	$912_4 = \chi_{40+}, \varphi_{34+}$
	32	0	$1026_4 = \chi_{41+}, \varphi_{35+}$
	33	0	$1026_5 = \chi_{42+}, \varphi_{36+}$
	34	0	$1026_6 = \chi_{43+}, \varphi_{37+}$
	35	0	$1026_7 = \chi_{44+}, \varphi_{38+}$
	36	0	$1026_8 = \chi_{45+}, \varphi_{39+}$
	37	0	$1026_9 = \chi_{46+}, \varphi_{40+}$
	38	0	$1026_{10} = \chi_{47+}, \varphi_{41+}$
	39	0	$1026_{11} = \chi_{48+}, \varphi_{42+}$
	40	0	$1026_{12} = \chi_{49+}, \varphi_{43+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{13,0}$	$\varphi_{13,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	$\varphi_{1,0} = 1_1$
$56_1 = \chi_{2,0}$	.	.	1	.	.	.	$\varphi_{1,1} = 1_2$
$56_2 = \chi_{2,1}$	.	.	.	1	.	.	$\varphi_{2,0} = 56_1$
$512_1 = \chi_{13,0}$	1	.	.	.	1	.	$\varphi_{2,1} = 56_2$
$512_2 = \chi_{13,1}$	.	1	.	.	.	1	$\varphi_{13,0} = 511_1$
$1134_1 = \chi_{23+}$	.	.	1	1	1	1	$\varphi_{13,1} = 511_2$
$1134_2 = \chi_{25+}$	.	.	1	1	1	1	
$1134_3 = \chi_{27+}$	.	.	1	1	1	1	

Block 25:	φ_{26+}	φ_{27+}	φ_{28+}
$378_1 = \chi_{32+}$	1	.	.
$378_2 = \chi_{33+}$	.	1	.
$378_3 = \chi_{34+}$	.	.	1
$1134_4 = \chi_{50+}$	1	1	1
$1134_5 = \chi_{51+}$	1	1	1
$1134_6 = \chi_{52+}$	1	1	1
$1134_7 = \chi_{53+}$	1	1	1
$1134_8 = \chi_{54+}$	1	1	1
$1134_9 = \chi_{55+}$	1	1	1

$$\begin{aligned} \varphi_{26+} &= 378_1 \\ \varphi_{27+} &= 378_2 \\ \varphi_{28+} &= 378_3 \end{aligned}$$