$U_3(8).3_1 \quad \pmod{19}$

	blocks	defect	matrix
$G:$	1	1	11×9
	2	0	$57_1 = \chi_{3,0}, \varphi_{3,0}$
	3	0	$57_2 = \chi_{3,1}, \varphi_{3,1}$
	4	0	$57_3 = \chi_{3,2}, \varphi_{3,2}$
	$5 = \overline{2}$	0	$57_4 = \chi_{4,0}, \varphi_{4,0}$
	$6 = \overline{4}$	0	$57_5 = \chi_{4,1}, \varphi_{4,1}$
	$7 = \overline{3}$	0	$57_6 = \chi_{4,2}, \varphi_{4,2}$
	8	0	$133_1 = \chi_{5,0}, \varphi_{5,0}$
	9	0	$133_2 = \chi_{5,1}, \varphi_{5,1}$
	$10 = \overline{9}$	0	$133_3 = \chi_{5,2}, \varphi_{5,2}$
	11	0	$133_4 = \chi_{6,0}, \varphi_{6,0}$
	12	0	$133_5 = \chi_{6,1}, \varphi_{6,1}$
	$13 = \overline{12}$	0	$133_6 = \chi_{6,2}, \varphi_{6,2}$
	14	0	$133_7 = \chi_{7,0}, \varphi_{7,0}$
	15	0	$133_8 = \chi_{7,1}, \varphi_{7,1}$
	$16 = \overline{15}$	0	$133_9 = \chi_{7,2}, \varphi_{7,2}$
	17	0	$1197_1 = \chi_{8+}, \varphi_{8+}$
	18	0	$456_1 = \chi_{11,0}, \varphi_{11,0}$
	19	0	$456_2 = \chi_{11,1}, \varphi_{11,1}$
	20	0	$456_3 = \chi_{11,2}, \varphi_{11,2}$
	$21 = \overline{18}$	0	$456_4 = \chi_{12,0}, \varphi_{12,0}$
	$22 = \overline{20}$	0	$456_5 = \chi_{12,1}, \varphi_{12,1}$
	$23 = \overline{19}$	0	$456_6 = \chi_{12,2}, \varphi_{12,2}$
	24	0	$1539_1 = \chi_{14+}, \varphi_{14+}$
	25	0	$1539_2 = \chi_{17+}, \varphi_{17+}$
	$26 = \overline{25}$	0	$1539_3 = \chi_{18+}, \varphi_{18+}$
$3.G:$	27	0	$171_1 = \chi_{29+}, \varphi_{23+}$
	$28 = 27*$		
	29	1	11×9
	$30 = 29*$		
	31	0	$1197_2 = \chi_{35+}, \varphi_{29+}$
	$32 = 31*$		
	33	0	$1368_1 = \chi_{38+}, \varphi_{32+}$
	$34 = 33*$		
	35	0	$1539_4 = \chi_{41+}, \varphi_{35+}$
	$36 = 35*$		
	37	0	$1539_6 = \chi_{44+}, \varphi_{38+}$
	$38 = 37*$		
	39	0	$1539_8 = \chi_{47+}, \varphi_{41+}$
	$40 = 39*$		

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{2,2}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{13,2}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	.	.	.
$56_1 = \chi_{2,0}$	.	.	.	1	.	.	.	.	.
$56_2 = \chi_{2,1}$	.	.	.	.	1	.	.	.	.
$56_3 = \chi_{2,2}$	.	.	.	.	.	1	.	.	.
$512_1 = \chi_{13,0}$	1	.	.	.	.	.	1	.	.
$512_2 = \chi_{13,1}$	.	1	.	.	.	.	.	1	.
$512_3 = \chi_{13,2}$	.	.	1	.	.	.	.	.	1
$1701_1 = \chi_{23+}$	.	.	.	1	1	1	1	1	1
$1701_2 = \chi_{24+}$	.	.	.	1	1	1	1	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{1,1} &= 1_2 \\ \varphi_{1,2} &= 1_3 \\ \varphi_{2,0} &= 56_1 \\ \varphi_{2,1} &= 56_2 \end{aligned} \qquad \begin{aligned} \varphi_{2,2} &= 56_3 \\ \varphi_{13,0} &= 511_1 \\ \varphi_{13,1} &= 511_2 \\ \varphi_{13,2} &= 511_3 \end{aligned}$$

Blocks 29, 30:	$\varphi_{26,0}$	$\varphi_{26,1}$	$\varphi_{26,2}$	$\varphi_{27,0}$	$\varphi_{27,1}$	$\varphi_{27,2}$	$\varphi_{28,0}$	$\varphi_{28,1}$	$\varphi_{28,2}$
$189_1 = \chi_{32,0}$	1	.	.	.	.	.	.	.	.
$189_2 = \chi_{32,1}$	.	1	.	.	.	.	.	.	.
$189_3 = \chi_{32,2}$	.	.	1	.	.	.	.	.	.
$189_7 = \chi_{33,0}$	.	.	.	1	.	.	.	.	.
$189_8 = \chi_{33,1}$	.	.	.	.	1	.	.	.	.
$189_9 = \chi_{33,2}$	.	.	.	.	.	1	.	.	.
$189_{13} = \chi_{34,0}$	.	.	.	.	.	.	1	.	.
$189_{14} = \chi_{34,1}$	.	.	.	.	.	.	.	1	.
$189_{15} = \chi_{34,2}$	.	.	.	.	.	.	.	.	1
$1701_3 = \chi_{50+}$	1	1	1	1	1	1	1	1	1
$1701_5 = \chi_{51+}$	1	1	1	1	1	1	1	1	1

$$\begin{aligned} \varphi_{26,0} &= 189_1 \\ \varphi_{26,1} &= 189_2 \\ \varphi_{26,2} &= 189_3 \\ \varphi_{27,0} &= 189_7 \\ \varphi_{27,1} &= 189_8 \end{aligned} \qquad \begin{aligned} \varphi_{27,2} &= 189_9 \\ \varphi_{28,0} &= 189_{13} \\ \varphi_{28,1} &= 189_{14} \\ \varphi_{28,2} &= 189_{15} \end{aligned}$$