

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

	blocks	defect	matrix
$3.G :$	1	6	55×5
	2	2	9×1
	3	1	3×1
	$4 = \overline{3}$	1	3×1

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$
$1_1 = \chi_{1,0}$	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	.	.	.
$57_1 = \chi_{3,0}$	1	1	.	.	.
$57_2 = \chi_{3,1}$	1	1	.	.	.
$57_3 = \chi_{3,2}$	1	1	.	.	.
$57_4 = \chi_{4,0}$	1	1	.	.	.
$57_5 = \chi_{4,1}$	1	1	.	.	.
$57_6 = \chi_{4,2}$	1	1	.	.	.
$133_1 = \chi_{5,0}$	.	.	1	.	.
$133_2 = \chi_{5,1}$	.	.	1	.	.
$133_3 = \chi_{5,2}$	.	.	1	.	.
$133_4 = \chi_{6,0}$	.	.	.	1	.
$133_5 = \chi_{6,1}$	.	.	.	1	.
$133_6 = \chi_{6,2}$	.	.	.	1	.
$133_7 = \chi_{7,0}$	.	.	.	.	1
$133_8 = \chi_{7,1}$	.	.	.	.	1
$133_9 = \chi_{7,2}$	.	.	.	.	1
$1197_1 = \chi_{8+}$	.	.	3	3	3
$456_1 = \chi_{11,0}$	1	1	1	1	1
$456_2 = \chi_{11,1}$	1	1	1	1	1
$456_3 = \chi_{11,2}$	1	1	1	1	1
$456_4 = \chi_{12,0}$	1	1	1	1	1
$456_5 = \chi_{12,1}$	1	1	1	1	1
$456_6 = \chi_{12,2}$	1	1	1	1	1
$512_1 = \chi_{13,0}$	1	2	1	1	1
$512_2 = \chi_{13,1}$	1	2	1	1	1
$512_3 = \chi_{13,2}$	1	2	1	1	1
$171_1 = \chi_{29+}$	3	3	.	.	.
$171_2 = \chi_{29*8+}$	3	3	.	.	.
$189_1 = \chi_{32,0}$	.	1	1	.	.
$189_2 = \chi_{32,1}$	.	1	1	.	.
$189_3 = \chi_{32,2}$	.	1	1	.	.
$189_4 = \chi_{32,0}^{*2}$	.	1	1	.	.
$189_5 = \chi_{32,1}^{*2}$	.	1	1	.	.
$189_6 = \chi_{32,2}^{*2}$	.	1	1	.	.
$189_7 = \chi_{33,0}$	.	1	.	1	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$	
$189_8 = \chi_{33,1}$	.	1	.	1	.	
$189_9 = \chi_{33,2}$	.	1	.	1	.	
$189_{10} = \chi_{33,0}^{*2}$	.	1	.	1	.	
$189_{11} = \chi_{33,1}^{*2}$	.	1	.	1	.	
$189_{12} = \chi_{33,2}^{*2}$	.	1	.	1	.	$\varphi_{1,0} = 1_1$
$189_{13} = \chi_{34,0}$	.	1	.	.	1	$\varphi_{2,0} = 56_1$
$189_{14} = \chi_{34,1}$	.	1	.	.	1	$\varphi_{3,0} = 133_1$
$189_{15} = \chi_{34,2}$	.	1	.	.	1	$\varphi_{4,0} = 133_2$
$189_{16} = \chi_{34,0}^{*2}$	.	1	.	.	1	$\varphi_{5,0} = 133_3$
$189_{17} = \chi_{34,1}^{*2}$	.	1	.	.	1	
$189_{18} = \chi_{34,2}^{*2}$	.	1	.	.	1	
$1197_2 = \chi_{35+}$	.	.	3	3	3	
$1197_3 = \chi_{35*8+}$	.	.	3	3	3	
$1368_1 = \chi_{38+}$	3	3	3	3	3	
$1368_2 = \chi_{38*8+}$	3	3	3	3	3	

Block 2:	φ_{6+}	
$1539_1 = \chi_{14+}$	1	
$1539_2 = \chi_{17+}$	1	
$1539_3 = \chi_{18+}$	1	
$1539_4 = \chi_{41+}$	1	$\varphi_{6+} = 1539_1$
$1539_5 = \chi_{41*8+}$	1	
$1539_6 = \chi_{44+}$	1	
$1539_7 = \chi_{44*8+}$	1	
$1539_8 = \chi_{47+}$	1	
$1539_9 = \chi_{47*8+}$	1	

Block 3:	φ_{9+}	
$1701_1 = \chi_{23+}$	1	$\varphi_{9+} = 1701_1$
$1701_3 = \chi_{50+}$	1	
$1701_4 = \chi_{50*20+}$	1	

Block 4:	φ_{10+}
$1701_2 = \chi_{24+}$	1
$1701_5 = \chi_{51+}$	1
$1701_6 = \chi_{51*20+}$	1

$$\varphi_{10+} = 1701_2$$