

$U_3(5).2 \pmod{5}$

	blocks	defect	matrix
$G :$	1	3	17×10
	2	0	$125_1 = \chi_{9,0}, \varphi_{9,0}$
	3	0	$125_2 = \chi_{9,1}, \varphi_{9,1}$
$3.G :$	4	3	13×8

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	φ_{3+}	$\varphi_{5,0}$	$\varphi_{5,1}$	φ_{6+}	$\varphi_{8,0}$	$\varphi_{8,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.
$20_1 = \chi_{2,0}$	.	.	.	.	1	.	.	.	.	.
$20_2 = \chi_{2,1}$	.	.	.	.	1	.	.	.	.	.
$21_1 = \chi_{3,0}$	1	1	.	.	.	1	.	.	.	.
$21_2 = \chi_{3,1}$	1	1	.	.	.	.	1	.	.	.
$28_1 = \chi_{4,0}$	1	.	1	.	.	1	.	.	.	.
$28_2 = \chi_{4,1}$	.	1	.	1	.	.	1	.	.	.
$56_1 = \chi_{5+}$	1	1	1	1	.	1	1	.	.	.
$84_1 = \chi_{7,0}$	1	.	.	.	1	.	.	.	1	.
$84_2 = \chi_{7,1}$	.	1	.	.	1	.	.	.	.	1
$105_1 = \chi_{8,0}$	.	.	2	.	.	1	.	1	.	.
$105_2 = \chi_{8,1}$	.	.	.	2	.	.	1	1	.	.
$126_1 = \chi_{10,0}$	1	.	2	1	.	1	1	.	1	.
$126_2 = \chi_{10,1}$	.	1	1	2	.	1	1	.	.	1
$252_1 = \chi_{11+}$	.	.	1	1	2	.	.	1	1	1
$288_1 = \chi_{13+}$	1	1	2	2	1	1	1	1	1	1

$\varphi_{1,0} = 1_1$	$\varphi_{5,0} = 19_1$
$\varphi_{1,1} = 1_2$	$\varphi_{5,1} = 19_2$
$\varphi_{2,0} = 8_1$	$\varphi_{6+} = 70_1$
$\varphi_{2,1} = 8_2$	$\varphi_{8,0} = 63_1$
$\varphi_{3+} = 20_1$	$\varphi_{8,1} = 63_2$

Block 4:	φ_{10+}	φ_{11+}	φ_{12+}	φ_{13+}	φ_{14+}	φ_{15+}	φ_{16+}	φ_{17+}
$42_1 = \chi_{15+}$	1	.	.	.	1	.	.	.
$42_2 = \chi_{16+}$	.	1	.	1	.	.	.	.
$96_1 = \chi_{17+}$	1	1	.	.	.	1	.	.
$96_2 = \chi_{18+}$	1	1	.	.	.	1	.	.
$96_3 = \chi_{19+}$	1	1	.	.	.	1	.	.
$168_1 = \chi_{20+}$	2	1	1	.	1	1	.	.
$210_1 = \chi_{21+}$	.	2	.	1	1	.	1	.
$210_2 = \chi_{22+}$	.	.	.	1	.	.	.	1
$252_2 = \chi_{23+}$	.	2	1	.	.	1	1	.
$252_3 = \chi_{24+}$	1	.	1	.	1	.	.	1
$252_4 = \chi_{25+}$	3	1	1	.	1	2	.	.
$288_2 = \chi_{26+}$	.	1	1	1	1	.	.	1
$288_3 = \chi_{27+}$	2	1	1	.	1	1	1	.

$$\begin{array}{ll}
\varphi_{10+} = 6_1 & \varphi_{14+} = 36_1 \\
\varphi_{11+} = 12_1 & \varphi_{15+} = 78_1 \\
\varphi_{12+} = 30_1 & \varphi_{16+} = 120_1 \\
\varphi_{13+} = 30_2 & \varphi_{17+} = 180_1
\end{array}$$