

$U_4(2).2 \pmod{5}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	5×4		15	0	$90_1 = \chi_{16+}, \varphi_{16+}$
	2	1	5×4		16	0	$60_2 = \chi_{18,0}, \varphi_{19,0}$
	3	0	$10_1 = \chi_{2+}, \varphi_{2+}$		17	0	$60_3 = \chi_{18,1}, \varphi_{19,1}$
	4	0	$20_1 = \chi_{5+}, \varphi_{5+}$	$2.G :$	18	1	4×2
	5	0	$15_1 = \chi_{7,0}, \varphi_{7,0}$		19	0	$20_4 = \chi_{23,0}, \varphi_{22,0}$
	6	0	$15_2 = \chi_{7,1}, \varphi_{7,1}$		$20 = \overline{19}$	0	$20_5 = \chi_{23,1}, \varphi_{22,1}$
	7	0	$15_3 = \chi_{8,0}, \varphi_{8,0}$		21	0	$40_1 = \chi_{24+}, \varphi_{23+}$
	8	0	$15_4 = \chi_{8,1}, \varphi_{8,1}$		22	0	$40_2 = \chi_{26+}, \varphi_{25+}$
	9	0	$20_2 = \chi_{9,0}, \varphi_{9,0}$		23	0	$60_4 = \chi_{30,0}, \varphi_{29,0}$
	10	0	$20_3 = \chi_{9,1}, \varphi_{9,1}$		$24 = \overline{23}$	0	$60_5 = \chi_{30,1}, \varphi_{29,1}$
	11	0	$30_1 = \chi_{11,0}, \varphi_{11,0}$		25	0	$120_1 = \chi_{31+}, \varphi_{30+}$
	12	0	$30_2 = \chi_{11,1}, \varphi_{11,1}$		26	0	$80_2 = \chi_{34,0}, \varphi_{32,0}$
	13	0	$60_1 = \chi_{12+}, \varphi_{12+}$		$27 = \overline{26}$	0	$80_3 = \chi_{34,1}, \varphi_{32,1}$
	14	0	$80_1 = \chi_{14+}, \varphi_{14+}$				

Block 1:	$\varphi_{1,0}$	$\varphi_{4,1}$	$\varphi_{10,0}$	$\varphi_{18,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	$\varphi_{1,0} = 1_1$
$6_2 = \chi_{4,1}$	.	1	.	.	$\varphi_{4,1} = 6_2$
$24_1 = \chi_{10,0}$	1	.	1	.	$\varphi_{10,0} = 23_1$
$64_2 = \chi_{19,1}$	.	1	.	1	$\varphi_{18,1} = 58_2$
$81_2 = \chi_{20,1}$	.	.	1	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{4,0}$	$\varphi_{10,1}$	$\varphi_{18,0}$	
$1_2 = \chi_{1,1}$	1	.	.	.	$\varphi_{1,1} = 1_2$
$6_1 = \chi_{4,0}$	.	1	.	.	$\varphi_{4,0} = 6_1$
$24_2 = \chi_{10,1}$	1	.	1	.	$\varphi_{10,1} = 23_2$
$64_1 = \chi_{19,0}$	.	1	.	1	$\varphi_{18,0} = 58_1$
$81_1 = \chi_{20,0}$	.	.	1	1	

Block 18:	φ_{20+}	φ_{27+}	
$8_1 = \chi_{21+}$	1	.	$\varphi_{20+} = 8_1$
$72_1 = \chi_{28+}$	1	1	$\varphi_{27+} = 64_1$
$64_3 = \chi_{33,0}$	.	1	
$64_4 = \chi_{33,1}$	.	1	