

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

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	1	5×4		14	0	$45_1 = \chi_{16}, \varphi_{16}$
	2	0	$5_1 = \chi_2, \varphi_2$		$15 = \overline{14}$	0	$45_2 = \chi_{17}, \varphi_{17}$
	$3 = \overline{2}$	0	$5_2 = \chi_3, \varphi_3$		16	0	$60_1 = \chi_{18}, \varphi_{19}$
	4	0	$10_1 = \chi_5, \varphi_5$	$2.G :$	17	1	5×4
	$5 = \overline{4}$	0	$10_2 = \chi_6, \varphi_6$		18	0	$20_2 = \chi_{23}, \varphi_{22}$
	6	0	$15_1 = \chi_7, \varphi_7$		19	0	$20_3 = \chi_{24}, \varphi_{23}$
	7	0	$15_2 = \chi_8, \varphi_8$		$20 = \overline{19}$	0	$20_4 = \chi_{25}, \varphi_{24}$
	8	0	$20_1 = \chi_9, \varphi_9$		21	0	$20_5 = \chi_{26}, \varphi_{25}$
	9	0	$30_1 = \chi_{11}, \varphi_{11}$		$22 = \overline{21}$	0	$20_6 = \chi_{27}, \varphi_{26}$
	10	0	$30_2 = \chi_{12}, \varphi_{12}$		23	0	$60_2 = \chi_{30}, \varphi_{29}$
	$11 = \overline{10}$	0	$30_3 = \chi_{13}, \varphi_{13}$		24	0	$60_3 = \chi_{31}, \varphi_{30}$
	12	0	$40_1 = \chi_{14}, \varphi_{14}$		$25 = \overline{24}$	0	$60_4 = \chi_{32}, \varphi_{31}$
	$13 = \overline{12}$	0	$40_2 = \chi_{15}, \varphi_{15}$		26	0	$80_1 = \chi_{34}, \varphi_{32}$

Block 1:	φ_1	φ_4	φ_{10}	φ_{18}	
$1_1 = \chi_1$	1	.	.	.	$\varphi_1 = 1_1$
$6_1 = \chi_4$	.	1	.	.	$\varphi_4 = 6_1$
$24_1 = \chi_{10}$	1	.	1	.	$\varphi_{10} = 23_1$
$64_1 = \chi_{19}$	.	1	.	1	$\varphi_{18} = 58_1$
$81_1 = \chi_{20}$	.	.	1	1	

Block 17:	φ_{20}	φ_{21}	φ_{27}	φ_{28}	
$4_1 = \chi_{21}$	1	.	.	.	$\varphi_{20} = 4_1$
$4_2 = \chi_{22}$	.	1	.	.	$\varphi_{21} = 4_2$
$36_1 = \chi_{28}$	1	.	1	.	$\varphi_{27} = 32_1$
$36_2 = \chi_{29}$	.	1	.	1	$\varphi_{28} = 32_2$
$64_2 = \chi_{33}$	.	.	1	1	