

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

	blocks	defect	matrix
$2.G :$	1 2	7 1	32×7 2×1

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	
$1_1 = \chi_1$	1	.	.	.	.	.	.	
$5_1 = \chi_2$	1	1	.	.	.	.	.	
$5_2 = \chi_3$	1	.	1	.	.	.	.	
$6_1 = \chi_4$	.	.	.	1	.	.	.	
$10_1 = \chi_5$	.	1	.	1	.	.	.	
$10_2 = \chi_6$	.	.	1	1	.	.	.	
$15_1 = \chi_7$	1	.	.	.	1	.	.	
$15_2 = \chi_8$	1	1	1	1	.	.	.	
$20_1 = \chi_9$	.	.	.	1	1	.	.	
$24_1 = \chi_{10}$	2	1	1	.	1	.	.	
$30_1 = \chi_{11}$	2	1	1	1	1	.	.	
$30_2 = \chi_{12}$	.	1	.	1	.	1	.	
$30_3 = \chi_{13}$	.	.	1	1	.	.	1	$\varphi_1 = 1_1$
$40_1 = \chi_{14}$	.	1	1	2	.	.	1	$\varphi_2 = 4_1$
$40_2 = \chi_{15}$	.	1	1	2	.	1	.	$\varphi_3 = 4_2$
$45_1 = \chi_{16}$	1	.	1	1	1	.	1	$\varphi_4 = 6_1$
$45_2 = \chi_{17}$	1	1	.	1	1	1	.	$\varphi_5 = 14_1$
$60_1 = \chi_{18}$	.	.	.	1	1	1	1	$\varphi_6 = 20_1$
$81_1 = \chi_{20}$	1	1	1	3	1	1	1	$\varphi_7 = 20_2$
$4_1 = \chi_{21}$	.	1	.	.	.	.	.	
$4_2 = \chi_{22}$	.	.	1	.	.	.	.	
$20_2 = \chi_{23}$	.	1	1	2	.	.	.	
$20_3 = \chi_{24}$	2	1	.	.	1	.	.	
$20_4 = \chi_{25}$	2	.	1	.	1	.	.	
$20_5 = \chi_{26}$	.	.	.	.	.	1	.	
$20_6 = \chi_{27}$	.	.	.	.	.	.	1	
$36_1 = \chi_{28}$	.	1	.	2	.	1	.	
$36_2 = \chi_{29}$	.	.	1	2	.	.	1	
$60_2 = \chi_{30}$	.	1	1	2	.	1	1	
$60_3 = \chi_{31}$	2	2	1	2	1	1	.	
$60_4 = \chi_{32}$	2	1	2	2	1	.	1	
$80_1 = \chi_{34}$	.	.	.	2	2	1	1	

Block 2:	φ_8
$64_1 = \chi_{19}$	1
$64_2 = \chi_{33}$	1

$$\varphi_8 \quad = \quad 64_1$$