

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

	blocks	defect	matrix
$2.G :$	1 2	8 2	34×5 4×1

Block 1:	$\varphi_{1,0}$	φ_{2+}	$\varphi_{4,0}$	$\varphi_{5,0}$	φ_{6+}	
$1_1 = \chi_{1,0}$	1	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.
$10_1 = \chi_{2+}$	2	1	.	.	.	
$6_1 = \chi_{4,0}$	.	.	1	.	.	
$6_2 = \chi_{4,1}$	.	.	1	.	.	
$20_1 = \chi_{5+}$	.	1	2	.	.	
$15_1 = \chi_{7,0}$	1	.	.	1	.	
$15_2 = \chi_{7,1}$	1	.	.	1	.	
$15_3 = \chi_{8,0}$	1	1	1	.	.	
$15_4 = \chi_{8,1}$	1	1	1	.	.	
$20_2 = \chi_{9,0}$	.	.	1	1	.	
$20_3 = \chi_{9,1}$	.	.	1	1	.	
$24_1 = \chi_{10,0}$	2	1	.	1	.	
$24_2 = \chi_{10,1}$	2	1	.	1	.	
$30_1 = \chi_{11,0}$	2	1	1	1	.	$\varphi_{1,0} = 1_1$
$30_2 = \chi_{11,1}$	2	1	1	1	.	$\varphi_{2+} = 8_1$
$60_1 = \chi_{12+}$	.	1	2	.	1	$\varphi_{4,0} = 6_1$
$80_1 = \chi_{14+}$	.	2	4	.	1	$\varphi_{5,0} = 14_1$
$90_1 = \chi_{16+}$	2	1	2	2	1	$\varphi_{6+} = 40_1$
$60_2 = \chi_{18,0}$	.	.	1	1	1	
$60_3 = \chi_{18,1}$	.	.	1	1	1	
$81_1 = \chi_{20,0}$	1	1	3	1	1	
$81_2 = \chi_{20,1}$	1	1	3	1	1	
$8_1 = \chi_{21+}$	.	1	.	.	.	
$20_4 = \chi_{23,0}$	.	1	2	.	.	
$20_5 = \chi_{23,1}$	.	1	2	.	.	
$40_1 = \chi_{24+}$	4	1	.	2	.	
$40_2 = \chi_{26+}$	.	.	.	.	1	
$72_1 = \chi_{28+}$	.	1	4	.	1	
$60_4 = \chi_{30,0}$	.	1	2	.	1	
$60_5 = \chi_{30,1}$	.	1	2	.	1	
$120_1 = \chi_{31+}$	4	3	4	2	1	
$80_2 = \chi_{34,0}$	.	.	2	2	1	
$80_3 = \chi_{34,1}$	.	.	2	2	1	

Block 2:	$\varphi_{8,0}$
$64_1 = \chi_{19,0}$	1
$64_2 = \chi_{19,1}$	1
$64_3 = \chi_{33,0}$	1
$64_4 = \chi_{33,1}$	1

$$\varphi_{8,0} = 64_1$$