

$$A_6 \pmod{2}$$

	blocks	defect	matrix
2.G :	1	4	9×3
	2	1	2×1
	3	1	2×1
6.G :	4 5 = 4*	4	9×3

Block 1:	φ_1	φ_2	φ_3	
$1_1 = \chi_1$	1	.	.	$\varphi_1 = 1_1$ $\varphi_2 = 4_1$ $\varphi_3 = 4_2$
$5_1 = \chi_2$	1	1	.	
$5_2 = \chi_3$	1	.	1	
$9_1 = \chi_6$	1	1	1	
$10_1 = \chi_7$	2	1	1	
$4_1 = \chi_8$	.	.	1	
$4_2 = \chi_9$	.	1	.	
$10_2 = \chi_{12}$	2	1	1	
$10_3 = \chi_{13}$	2	1	1	

Block 2:	φ_4	
$8_1 = \chi_4$	1	$\varphi_4 = 8_1$
$8_3 = \chi_{10}$	1	

Block 3:	φ_5	
$8_2 = \chi_5$	1	$\varphi_5 = 8_2$
$8_4 = \chi_{11}$	1	

Blocks 4, 5:	φ_6	φ_7	φ_8	
$3_1 = \chi_{14}$	1	.	.	
$3_3 = \chi_{15}$	.	1	.	
$6_1 = \chi_{16}$	1	1	.	$\varphi_6 = 3_1$
$9_2 = \chi_{17}$	.	.	1	$\varphi_7 = 3_3$
$15_1 = \chi_{18}$	1	1	1	$\varphi_8 = 9_1$
$6_3 = \chi_{19}$	1	1	.	
$6_5 = \chi_{20}$	1	1	.	
$12_1 = \chi_{21}$	.	1	1	
$12_3 = \chi_{22}$	1	.	1	