

$A_7 \pmod{3}$

	blocks	defect	matrix
$3.G :$	1 2	3 2	14×4 9×2
$6.G :$	3 4	3 1	14×4 3×1

Block 1:	φ_1	φ_3	φ_4	φ_5	
$1_1 = \chi_1$	1	.	.	.	
$10_1 = \chi_3$	.	1	.	.	
$10_2 = \chi_4$	.	.	1	.	
$14_1 = \chi_5$	1	.	.	1	
$14_2 = \chi_6$	1	.	.	1	
$35_1 = \chi_9$	2	1	1	1	$\varphi_1 = 1_1$
$15_4 = \chi_{19}$	2	.	.	1	$\varphi_3 = 10_1$
$15_5 = \chi_{19}^{*2}$	2	.	.	1	$\varphi_4 = 10_2$
$21_4 = \chi_{21}$	1	1	1	.	$\varphi_5 = 13_1$
$21_5 = \chi_{21}^{*2}$	1	1	1	.	
$24_1 = \chi_{22}$	1	1	.	1	
$24_2 = \chi_{22}^{*8}$	1	1	.	1	
$24_3 = \chi_{23}$	1	.	1	1	
$24_4 = \chi_{23}^{*8}$	1	.	1	1	

Block 2:	φ_2	φ_6	
$6_1 = \chi_2$	1	.	
$15_1 = \chi_7$	.	1	
$21_1 = \chi_8$	1	1	
$6_2 = \chi_{17}$	1	.	$\varphi_2 = 6_1$
$6_3 = \chi_{17}^{*2}$	1	.	$\varphi_6 = 15_1$
$15_2 = \chi_{18}$	.	1	
$15_3 = \chi_{18}^{*2}$	.	1	
$21_2 = \chi_{20}$	1	1	
$21_3 = \chi_{20}^{*2}$	1	1	

Block 3:	φ_7	φ_8	φ_9	φ_{10}	
$4_1 = \chi_{10}$	1	.	.	.	
$4_2 = \chi_{11}$	.	1	.	.	
$14_3 = \chi_{12}$	1	1	1	.	
$14_4 = \chi_{13}$	1	1	.	1	
$20_1 = \chi_{14}$	1	1	1	1	
$20_2 = \chi_{15}$	1	1	1	1	
$6_4 = \chi_{24}$	.	.	1	.	$\varphi_7 = 4_1$
$6_5 = \chi_{24}^{*17}$	.	.	1	.	$\varphi_8 = 4_2$
$6_6 = \chi_{25}$	.	.	.	1	$\varphi_9 = 6_2$
$6_7 = \chi_{25}^{*17}$	.	.	.	1	$\varphi_{10} = 6_3$
$24_5 = \chi_{26}$	1	2	1	1	
$24_6 = \chi_{26}^{*8}$	1	2	1	1	
$24_7 = \chi_{27}$	2	1	1	1	
$24_8 = \chi_{27}^{*8}$	2	1	1	1	

Block 4:	φ_{11}	
$36_1 = \chi_{16}$	1	$\varphi_{11} = 36_1$
$36_2 = \chi_{28}$	1	
$36_3 = \chi_{28}^{*2}$	1	