

$A_9 \pmod{3}$

	blocks	defect	matrix
$G :$	1	4	14×5
	2	1	3×2
	3	0	$162_1 = \chi_{15}, \varphi_7$
$2.G :$	4	4	12×3

Block 1:	φ_1	φ_2	φ_3	φ_5	φ_6	
$1_1 = \chi_1$	1	.	.	.	.
$8_1 = \chi_2$	1	1	.	.	.	
$21_1 = \chi_3$	.	.	1	.	.	
$21_2 = \chi_4$	.	.	1	.	.	
$28_1 = \chi_6$	.	1	1	.	.	$\varphi_1 = 1_1$
$35_1 = \chi_7$	.	.	.	1	.	$\varphi_2 = 7_1$
$35_2 = \chi_8$	.	.	.	1	.	$\varphi_3 = 21_1$
$42_1 = \chi_9$	1	.	.	.	1	$\varphi_5 = 35_1$
$48_1 = \chi_{10}$	.	1	.	.	1	$\varphi_6 = 41_1$
$56_1 = \chi_{11}$	.	.	1	1	.	
$84_1 = \chi_{12}$	1	1	.	1	1	
$105_1 = \chi_{13}$	1	1	1	1	1	
$120_1 = \chi_{14}$	2	1	.	2	1	
$168_1 = \chi_{16}$	1	2	2	2	1	

Block 2:	φ_4	φ_8	
$27_1 = \chi_5$	1	.	$\varphi_4 = 27_1$
$189_1 = \chi_{17}$	.	1	$\varphi_8 = 189_1$
$216_1 = \chi_{18}$	1	1	

Block 4:	φ_9	φ_{10}	φ_{11}
$8_2 = \chi_{19}$	1	.	.
$8_3 = \chi_{20}$	1	.	.
$48_2 = \chi_{21}$	.	1	.
$48_3 = \chi_{22}$	.	1	.
$56_2 = \chi_{23}$	1	1	.
$112_1 = \chi_{24}$	1	.	1
$120_2 = \chi_{25}$	2	.	1
$120_3 = \chi_{26}$	2	.	1
$160_1 = \chi_{27}$	1	1	1
$168_2 = \chi_{28}$	2	1	1
$168_3 = \chi_{29}$	2	1	1
$224_1 = \chi_{30}$	2	.	2

$$\begin{aligned} \varphi_9 &= 8_1 \\ \varphi_{10} &= 48_1 \\ \varphi_{11} &= 104_1 \end{aligned}$$