

$A_9 \pmod{2}$

	blocks	defect	matrix
$2.G :$	1 2	7 4	21×7 9×3

Block 1:	φ_1	φ_3	φ_4	φ_5	φ_6	φ_7	φ_9
$1_1 = \chi_1$	1	.	.	.	.	.	.
$21_1 = \chi_3$	1	.	.	1	.	.	.
$21_2 = \chi_4$	1	.	.	.	1	.	.
$27_1 = \chi_5$	1	.	.	.	.	1	.
$28_1 = \chi_6$	2	.	.	.	.	1	.
$35_1 = \chi_7$	1	1	.	.	.	1	.
$35_2 = \chi_8$	1	.	1	.	.	1	.
$42_1 = \chi_9$	.	1	1	.	.	1	.
$84_1 = \chi_{12}$	2	1	1	1	1	1	.
$105_1 = \chi_{13}$	1	.	.	.	.	1	1
$120_1 = \chi_{14}$	2	.	.	1	1	.	1
$162_1 = \chi_{15}$	2	1	1	1	1	1	1
$189_1 = \chi_{17}$	3	1	1	1	1	2	1
$8_2 = \chi_{19}$	.	1	.	.	.	.	.
$8_3 = \chi_{20}$	.	.	1	.	.	.	.
$56_2 = \chi_{23}$	.	1	1	1	1	.	.
$112_1 = \chi_{24}$	4	1	1	1	1	2	.
$120_2 = \chi_{25}$	2	.	.	1	1	.	1
$120_3 = \chi_{26}$	2	.	.	1	1	.	1
$168_2 = \chi_{28}$	2	1	1	1	.	2	1
$168_3 = \chi_{29}$	2	1	1	.	1	2	1

$$\begin{aligned}
 \varphi_1 &= 1_1 \\
 \varphi_3 &= 8_2 \\
 \varphi_4 &= 8_3 \\
 \varphi_5 &= 20_1 \\
 \varphi_6 &= 20_2 \\
 \varphi_7 &= 26_1 \\
 \varphi_9 &= 78_1
 \end{aligned}$$

Block 2:	φ_2	φ_8	φ_{10}
$8_1 = \chi_2$	1	.	.
$48_1 = \chi_{10}$	.	1	.
$56_1 = \chi_{11}$	1	1	.
$168_1 = \chi_{16}$	1	.	1
$216_1 = \chi_{18}$	1	1	1
$48_2 = \chi_{21}$	.	1	.
$48_3 = \chi_{22}$	.	1	.
$160_1 = \chi_{27}$	.	.	1
$224_1 = \chi_{30}$	2	1	1

$$\begin{aligned}
 \varphi_2 &= 8_1 \\
 \varphi_8 &= 48_1 \\
 \varphi_{10} &= 160_1
 \end{aligned}$$