A_9 (mod 7)

	blocks	defect	matrix
$G:$	1	1	7×6
	2	0	$21_1 = \chi_3, \varphi_4$
	$3 = \overline{2}$	0	$21_2 = \chi_4, \varphi_5$
	4	0	$28_1 = \chi_6, \varphi_6$
	5	0	$35_1 = \chi_7, \varphi_7$
	6	0	$35_2 = \chi_8, \varphi_8$
	7	0	$42_1 = \chi_9, \varphi_9$
	8	0	$56_1 = \chi_{11}, \varphi_{11}$
	9	0	$84_1 = \chi_{12}, \varphi_{12}$
	10	0	$105_1 = \chi_{13}, \varphi_{14}$
	11	0	$168_1 = \chi_{16}, \varphi_{16}$
	12	0	$189_1 = \chi_{17}, \varphi_{17}$
$2.G:$	13	1	7×6
	14	0	$56_2 = \chi_{23}, \varphi_{22}$
	15	0	$112_1 = \chi_{24}, \varphi_{25}$
	16	0	$168_2 = \chi_{28}, \varphi_{26}$
	$17 = \overline{16}$	0	$168_3 = \chi_{29}, \varphi_{27}$
	18	0	$224_1 = \chi_{30}, \varphi_{28}$

Block 1:	φ_1	φ_2	φ_3	φ_{10}	φ_{13}	φ_{15}
$1_1 = \chi_1$	1	.	.	.	.	.
$8_1 = \chi_2$	.	1	.	.	.	.
$27_1 = \chi_5$	.	1	1	.	.	.
$48_1 = \chi_{10}$	1	.	.	1	.	.
$120_1 = \chi_{14}$	.	.	1	.	1	.
$162_1 = \chi_{15}$	.	.	.	1	.	1
$216_1 = \chi_{18}$	.	.	.	.	1	1

$\varphi_1 = 1_1$
$\varphi_2 = 8_1$
$\varphi_3 = 19_1$
$\varphi_{10} = 47_1$
$\varphi_{13} = 101_1$
$\varphi_{15} = 115_1$

Block 13:	φ_{18}	φ_{19}	φ_{20}	φ_{21}	φ_{23}	φ_{24}
$8_2 = \chi_{19}$	1	.	.	.	.	.
$8_3 = \chi_{20}$	.	1	.	.	.	.
$48_2 = \chi_{21}$	.	.	1	.	.	.
$48_3 = \chi_{22}$	.	.	.	1	.	.
$120_2 = \chi_{25}$	.	.	1	.	1	.
$120_3 = \chi_{26}$	.	.	.	1	.	1
$160_1 = \chi_{27}$	1	1	.	.	1	1

$\varphi_{18} = 8_2$
$\varphi_{19} = 8_3$
$\varphi_{20} = 48_1$
$\varphi_{21} = 48_2$
$\varphi_{23} = 72_1$
$\varphi_{24} = 72_2$