

$$M_{23} \pmod{7}$$

	blocks	defect	matrix
$G:$	1	1	5×3
	2	1	5×3
	3	0	$231_1 = \chi_6, \varphi_5$
	4	0	$231_2 = \chi_7, \varphi_6$
	$5 = \overline{4}$	0	$231_3 = \chi_8, \varphi_7$
	6	0	$770_1 = \chi_{10}, \varphi_8$
	$7 = \overline{6}$	0	$770_2 = \chi_{11}, \varphi_9$
	8	0	$896_1 = \chi_{12}, \varphi_{10}$
	$9 = \overline{8}$	0	$896_2 = \chi_{13}, \varphi_{11}$

Block 1:	φ_1	φ_{12}	φ_{13}	
$1_1 = \chi_1$	1	.	.	$\varphi_1 = 1_1$
$990_1 = \chi_{14}$	.	1	.	$\varphi_{12} = 990_1$
$990_2 = \chi_{15}$	.	1	.	$\varphi_{13} = 1034_1$
$1035_1 = \chi_{16}$	1	.	1	
$2024_1 = \chi_{17}$	.	1	1	

Block 2:	φ_2	φ_3	φ_4	
$22_1 = \chi_2$	1	.	.	$\varphi_2 = 22_1$
$45_1 = \chi_3$	.	1	.	$\varphi_3 = 45_1$
$45_2 = \chi_4$	.	1	.	$\varphi_4 = 208_1$
$230_1 = \chi_5$	1	.	1	
$253_1 = \chi_9$	.	1	1	