

$M_{12} \pmod{3}$

	blocks	defect	matrix
$G :$	1 2 3	3 1 0	11×8 3×2 $54_1 = \chi_7, \varphi_{10}$
$2.G :$	4	3	11×8

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_8	φ_9	
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	$\varphi_1 = 1_1$
$11_1 = \chi_2$	1	1	.	.	.	.	.	.	$\varphi_2 = 10_1$
$11_2 = \chi_3$	1	.	1	.	.	.	.	.	$\varphi_3 = 10_2$
$16_1 = \chi_4$	1	.	.	1	.	.	.	.	$\varphi_4 = 15_1$
$16_2 = \chi_5$	1	.	.	.	1	.	.	.	$\varphi_5 = 15_2$
$55_1 = \chi_8$	1	1	1	.	.	1	.	.	$\varphi_6 = 34_1$
$55_2 = \chi_9$	.	.	1	.	.	.	.	1	$\varphi_8 = 45_2$
$55_3 = \chi_{10}$	.	1	.	.	.	.	1	.	$\varphi_9 = 45_3$
$66_1 = \chi_{11}$	2	.	.	1	1	1	.	.	
$120_1 = \chi_{13}$	.	.	.	1	1	.	1	1	
$176_1 = \chi_{15}$	2	1	1	1	1	1	1	1	

Block 2:	φ_7	φ_{11}	
$45_1 = \chi_6$	1	.	$\varphi_7 = 45_1$
$99_1 = \chi_{12}$	.	1	$\varphi_{11} = 99_1$
$144_1 = \chi_{14}$	1	1	

Block 4:	φ_{12}	φ_{13}	φ_{14}	φ_{15}	φ_{16}	φ_{17}	φ_{18}	φ_{19}	
$10_1 = \chi_{16}$	.	.	1	.	.	.	.	.	$\varphi_{12} = 6_1$
$10_2 = \chi_{17}$	.	.	.	1	.	.	.	.	$\varphi_{13} = 6_2$
$12_1 = \chi_{18}$	1	1	.	.	.	.	.	.	$\varphi_{14} = 10_3$
$32_1 = \chi_{19}$	1	1	1	1	.	.	.	.	$\varphi_{15} = 10_4$
$44_1 = \chi_{20}$	.	.	.	.	1	.	.	.	$\varphi_{16} = 44_1$
$44_2 = \chi_{21}$	.	.	.	.	.	1	.	.	$\varphi_{17} = 44_2$
$110_1 = \chi_{22}$	1	.	1	1	.	.	1	.	$\varphi_{18} = 84_1$
$110_2 = \chi_{23}$	.	1	1	1	.	.	.	1	$\varphi_{19} = 84_2$
$120_2 = \chi_{24}$	1	1	1	1	1	1	.	.	
$160_1 = \chi_{25}$	1	1	1	1	.	1	.	1	
$160_2 = \chi_{26}$	1	1	1	1	1	.	1	.	