

$A_{12} \pmod{3}$

	blocks	defect	matrix
$G :$	1	5	30×13
	2	2	9×5
	3	1	3×2
	4	0	$2673_1 = \chi_{32}, \varphi_{20}$
$2.G :$	5	5	21×10
	6	0	$7776_1 = \chi_{65}, \varphi_{32}$

Block 1:	φ_1	φ_2	φ_3	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{12}	φ_{13}	φ_{16}	φ_{19}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.
$11_1 = \chi_2$	1	1	.	.	.	.	.	.	.	.	.	.	.
$55_1 = \chi_4$	.	1	1	.	.	.	.	.	.	.	.	.	.
$132_1 = \chi_5$	1	.	.	.	.	.	1	.	.	.	.	.	.
$154_1 = \chi_6$	1	1	.	.	.	.	.	1	.	.	.	.	.
$165_1 = \chi_7$	.	.	1	1	.	.	.	.	.	.	.	.	.
$275_1 = \chi_8$	1	.	.	.	.	.	1	1	.	.	.	.	.
$320_1 = \chi_{10}$	2	1	1	1	.	.	.	1	.	.	.	.	.
$330_1 = \chi_{11}$	.	.	.	1	.	.	.	.	1	.	.	.	.
$462_1 = \chi_{12}$	.	.	.	.	1	1	.	.	1	.	.	.	.
$462_2 = \chi_{13}$	1	.	.	1	.	.	1	.	1	.	.	.	.
$616_1 = \chi_{14}$	2	1	.	1	.	.	1	1	1	.	.	.	.
$1050_1 = \chi_{17}$	.	.	.	.	1	.	.	.	1	1	.	.	.
$1050_2 = \chi_{18}$	.	.	.	.	.	1	.	.	1	.	1	.	.
$1155_1 = \chi_{19}$	1	1	.	.	.	.	1	.	.	.	.	1	.
$1320_1 = \chi_{20}$	.	1	1	.	1	1	.	.	.	.	.	1	.
$1320_2 = \chi_{21}$	2	.	.	1	.	.	1	1	1	.	1	.	.
$1320_3 = \chi_{22}$	2	.	.	1	.	.	1	1	1	1	.	.	.
$1408_1 = \chi_{23}$	1	.	.	1	.	.	1	1	.	.	.	1	.
$1650_1 = \chi_{25}$	.	1	1	1	1	1	.	.	1	.	.	1	.
$1925_1 = \chi_{27}$	1	1	1	1	1	1	1	1	1	.	.	1	.
$1925_2 = \chi_{28}$	3	1	.	.	.	.	1	1	1	1	1	.	.
$2112_1 = \chi_{30}$	1	1	1	2	1	1	1	.	2	.	.	1	.
$3080_1 = \chi_{34}$	1	1	.	1	.	.	.	.	.	.	.	1	1
$3520_1 = \chi_{35}$	3	1	.	.	.	.	.	1	.	1	1	.	1
$3696_1 = \chi_{37}$	2	.	.	1	.	.	.	.	1	1	1	.	1
$3850_1 = \chi_{38}$	3	1	.	1	.	.	.	1	1	1	1	.	1
$3850_2 = \chi_{39}$	3	1	.	1	.	.	.	1	1	1	1	.	1
$5632_1 = \chi_{42}$	4	2	1	2	1	1	1	1	2	1	1	1	1
$5775_1 = \chi_{43}$	4	2	1	2	1	1	1	2	2	1	1	1	1

$$\begin{array}{ll}
\varphi_1 = 1_1 & \varphi_9 = 143_1 \\
\varphi_2 = 10_1 & \varphi_{10} = 210_1 \\
\varphi_3 = 45_1 & \varphi_{12} = 714_1 \\
\varphi_5 = 120_1 & \varphi_{13} = 714_2 \\
\varphi_6 = 126_1 & \varphi_{16} = 1013_1 \\
\varphi_7 = 126_2 & \varphi_{19} = 1936_1 \\
\varphi_8 = 131_1 &
\end{array}$$

Block 2:	φ_4	φ_{11}	φ_{15}	φ_{17}	φ_{18}	
$54_1 = \chi_3$	1	.	.	.	.	
$297_1 = \chi_9$	.	1	.	.	.	$\varphi_4 = 54_1$
$945_1 = \chi_{16}$	.	.	1	.	.	$\varphi_{11} = 297_1$
$1485_1 = \chi_{24}$	1	.	.	1	.	$\varphi_{15} = 945_1$
$1728_1 = \chi_{26}$	.	.	.	.	1	$\varphi_{17} = 1431_1$
$2079_1 = \chi_{29}$	1	1	.	.	1	$\varphi_{18} = 1728_1$
$2376_1 = \chi_{31}$	.	.	1	1	.	
$2970_1 = \chi_{33}$	.	1	1	.	1	
$4158_1 = \chi_{40}$	1	.	1	1	1	

Block 3:	φ_{14}	φ_{21}	
$891_1 = \chi_{15}$	1	.	$\varphi_{14} = 891_1$
$3564_1 = \chi_{36}$	.	1	$\varphi_{21} = 3564_1$
$4455_1 = \chi_{41}$	1	1	

Block 5:	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}	φ_{28}	φ_{29}	φ_{30}	φ_{31}
$32_1 = \chi_{44}$	1	1	.	.	.	.	.	.	.	.
$160_1 = \chi_{45}$	.	1	1	.	.	.	.	.	.	.
$160_2 = \chi_{46}$	1	.	.	1	.	.	.	.	.	.
$704_1 = \chi_{47}$	.	1	1	.	.	.	1	.	.	.
$704_2 = \chi_{48}$	1	.	.	1	.	.	.	1	.	.
$1408_2 = \chi_{49}$	.	.	.	.	1	.	1	1	.	.
$1408_3 = \chi_{50}$	.	.	.	.	.	1	1	1	.	.
$1760_1 = \chi_{51}$	1	1	.	.	1	1	1	1	.	.
$1760_2 = \chi_{52}$	1	1	.	.	1	1	1	1	.	.
$1760_3 = \chi_{53}$	1	1	.	.	1	1	1	1	.	.
$1760_4 = \chi_{54}$	1	1	.	.	1	1	1	1	.	.
$1760_5 = \chi_{55}$	1	1	.	.	1	1	1	1	.	.
$1792_1 = \chi_{56}$	2	2	.	.	1	1	1	1	.	.
$2112_2 = \chi_{57}$	1	1	.	.	1	1	.	.	.	1
$2112_3 = \chi_{58}$	1	1	.	.	1	1	.	.	1	.
$2640_1 = \chi_{59}$	1	.	.	.	1	1	.	1	.	1
$2640_2 = \chi_{60}$	.	1	.	.	1	1	1	.	1	.
$3840_1 = \chi_{61}$	1	1	1	1	1	1	.	.	1	1
$5600_1 = \chi_{62}$	2	2	1	1	2	2	1	1	1	1
$5632_2 = \chi_{63}$	3	3	1	1	2	2	1	1	1	1
$7392_1 = \chi_{64}$	4	4	1	1	3	3	2	2	1	1

$$\begin{aligned}
\varphi_{22} &= 16_1 \\
\varphi_{23} &= 16_2 \\
\varphi_{24} &= 144_1 \\
\varphi_{25} &= 144_2 \\
\varphi_{26} &= 320_1 \\
\varphi_{27} &= 320_2 \\
\varphi_{28} &= 544_1 \\
\varphi_{29} &= 544_2 \\
\varphi_{30} &= 1440_1 \\
\varphi_{31} &= 1440_2
\end{aligned}$$