

$He \pmod{5}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	2	16×14		$8 = \overline{7}$	0	$7650_3 = \chi_{21}, \varphi_{22}$
	2	1	5×4		9	0	$11475_1 = \chi_{23}, \varphi_{25}$
	3	0	$1275_1 = \chi_9, \varphi_{11}$		$10 = \overline{9}$	0	$11475_2 = \chi_{24}, \varphi_{26}$
	4	0	$1275_2 = \chi_{10}, \varphi_{12}$		11	0	$11900_1 = \chi_{25}, \varphi_{27}$
	$5 = \overline{4}$	0	$1275_3 = \chi_{11}, \varphi_{13}$		12	0	$14400_1 = \chi_{27}, \varphi_{28}$
	6	0	$7650_1 = \chi_{19}, \varphi_{20}$		13	0	$20825_1 = \chi_{29}, \varphi_{29}$
	7	0	$7650_2 = \chi_{20}, \varphi_{21}$		14	0	$22050_1 = \chi_{32}, \varphi_{30}$

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_8	φ_9	φ_{14}	φ_{15}	φ_{17}	φ_{18}	φ_{19}	φ_{24}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$51_1 = \chi_2$	.	1	.	.	.	.	.	.	.	.	.	.	.	.
$51_2 = \chi_3$	.	.	1	.	.	.	.	.	.	.	.	.	.	.
$153_1 = \chi_4$	.	.	.	.	1	.	.	.	.	.	.	.	.	.
$153_2 = \chi_5$	.	.	.	.	.	1	.	.	.	.	.	.	.	.
$1029_1 = \chi_7$	.	.	.	1	.	.	1	.	.	.	.	.	.	.
$1029_2 = \chi_8$	.	.	.	1	.	.	.	1	.	.	.	.	.	.
$4352_1 = \chi_{14}$	1	1	1	.	.	.	.	.	.	.	.	1	.	.
$6272_1 = \chi_{15}$	.	.	.	.	1	1	1	1	.	.	1	.	.	.
$6528_1 = \chi_{16}$	.	.	.	.	.	.	.	.	.	.	.	.	1	.
$7497_1 = \chi_{17}$	.	1	.	.	.	.	.	.	1	.	.	1	.	.
$7497_2 = \chi_{18}$	.	.	1	.	.	.	.	.	.	1	.	1	.	.
$17493_1 = \chi_{28}$	1	.	.	1	.	.	.	.	.	.	.	.	1	1
$21504_1 = \chi_{30}$	1	.	.	.	.	.	.	.	1	1	.	1	.	1
$21504_2 = \chi_{31}$	.	.	.	.	.	.	.	.	.	.	1	.	1	1
$23324_1 = \chi_{33}$	.	.	.	1	.	.	1	1	1	1	1	.	.	1

$$\begin{array}{ll}
 \varphi_1 & = 1_1 \\
 \varphi_2 & = 51_1 \\
 \varphi_3 & = 51_2 \\
 \varphi_4 & = 104_1 \\
 \varphi_5 & = 153_1 \\
 \varphi_6 & = 153_2 \\
 \varphi_8 & = 925_1 \\
 \varphi_9 & = 925_2 \\
 \varphi_{14} & = 3197_1 \\
 \varphi_{15} & = 3197_2 \\
 \varphi_{17} & = 4116_1 \\
 \varphi_{18} & = 4249_1 \\
 \varphi_{19} & = 6528_1 \\
 \varphi_{24} & = 10860_1
 \end{array}$$

Block 2:	φ_7	φ_{10}	φ_{16}	φ_{23}
$680_1 = \chi_6$	1	.	.	.
$1920_1 = \chi_{12}$	1	1	.	.
$4080_1 = \chi_{13}$	.	.	1	.
$10880_1 = \chi_{22}$	.	1	.	1
$13720_1 = \chi_{26}$	.	.	1	1

$$\begin{aligned} \varphi_7 &= 680_1 \\ \varphi_{10} &= 1240_1 \\ \varphi_{16} &= 4080_1 \\ \varphi_{23} &= 9640_1 \end{aligned}$$