

$A_{14} \pmod{5}$

	blocks	defect	matrix
$G :$	1	2	20×14
	2	2	20×14
	3	2	13×10
	4	1	5×4
	5	1	4×2
	6	1	5×4

	blocks	defect	matrix
	7	0	$13650_1 = \chi_{36}, \varphi_{39}$
	8	0	$21450_1 = \chi_{49}, \varphi_{48}$
	9	0	$21450_2 = \chi_{50}, \varphi_{47}$
	10	0	$47775_1 = \chi_{66}, \varphi_{52}$
	11	0	$50050_1 = \chi_{69}, \varphi_{53}$

Block 1:	φ_1	φ_7	φ_{12}	φ_{13}	φ_{15}	φ_{17}	φ_{20}	φ_{21}	φ_{22}	φ_{24}	φ_{28}	φ_{30}	φ_{34}	φ_{49}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$286_1 = \chi_6$	.	1	.	.	.	.	.	.	.	.	.	.	.	.
$1001_1 = \chi_{11}$	.	.	1	.	.	.	.	.	.	.	.	.	.	.
$1287_1 = \chi_{13}$	.	.	.	1	.	.	.	.	.	.	.	.	.	.
$2079_1 = \chi_{17}$	.	1	.	.	.	1	.	.	.	.	.	.	.	.
$4368_1 = \chi_{18}$	1	.	1	.	.	.	1	.	.	.	.	.	.	.
$4928_1 = \chi_{22}$	.	.	.	1	.	.	.	.	1	.	.	.	.	.
$6006_1 = \chi_{24}$	.	.	1	.	1	.	1	.	.	.	.	.	.	.
$6006_2 = \chi_{25}$	.	.	.	.	.	1	.	.	.	1	.	.	.	.
$7007_1 = \chi_{28}$	.	.	.	.	.	.	1	.	1	.	.	.	.	.
$7007_3 = \chi_{30}$	.	.	.	.	.	1	.	.	.	.	1	.	.	.
$7644_1 = \chi_{31}$	.	.	.	.	.	.	.	1	.	1	.	.	.	.
$12012_2 = \chi_{35}$	1	.	.	.	.	.	.	.	.	.	1	1	.	.
$14014_3 = \chi_{39}$	.	.	.	1	.	.	.	1	.	.	.	.	1	.
$15444_1 = \chi_{43}$	1	.	.	.	1	.	1	.	1	.	.	1	.	.
$21021_2 = \chi_{47}$	.	.	.	1	.	.	.	.	1	.	.	1	1	.
$27027_2 = \chi_{54}$	.	1	.	.	1	.	.	.	.	.	.	.	.	1
$36608_1 = \chi_{63}$	.	1	.	.	.	1	.	.	.	1	1	.	.	1
$42042_2 = \chi_{65}$	.	.	.	.	.	.	.	1	.	1	.	.	1	1
$48048_1 = \chi_{67}$	.	.	.	.	1	.	.	.	.	.	1	1	1	1

φ_1	$=$	1_1	φ_{21}	$=$	3431_1
φ_7	$=$	286_1	φ_{22}	$=$	3641_1
φ_{12}	$=$	1001_1	φ_{24}	$=$	4213_1
φ_{13}	$=$	1287_1	φ_{28}	$=$	5214_1
φ_{15}	$=$	1639_1	φ_{30}	$=$	6797_1
φ_{17}	$=$	1793_1	φ_{34}	$=$	9296_1
φ_{20}	$=$	3366_1	φ_{49}	$=$	25102_1

Block 2:	φ_2	φ_4	φ_8	φ_{10}	φ_{16}	φ_{18}	φ_{19}	φ_{23}	φ_{29}	φ_{36}	φ_{38}	φ_{44}	φ_{45}	φ_{51}
$13_1 = \chi_2$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$78_1 = \chi_4$	.	1	.	.	.	.	.	.	.	.	.	.	.	.
$637_1 = \chi_9$	1	.	.	1	.	.	.	.	.	.	.	.	.	.
$1001_2 = \chi_{12}$	.	.	1	1	.	.	.	.	.	.	.	.	.	.
$1716_1 = \chi_{15}$	.	.	.	.	1	.	.	.	.	.	.	.	.	.
$2002_1 = \chi_{16}$	.	1	.	.	.	1	.	.	.	.	.	.	.	.
$4576_1 = \chi_{19}$	.	.	.	.	.	1	1	.	.	.	.	.	.	.
$5733_1 = \chi_{23}$	.	.	.	.	.	1	.	1	.	.	.	.	.	.
$6006_3 = \chi_{26}$	.	1	1	.	.	.	.	.	1	.	.	.	.	.
$12012_1 = \chi_{34}$	1	.	1	1	.	.	.	.	.	1	.	.	.	.
$14014_1 = \chi_{37}$	.	1	.	.	.	1	1	1	1	.	.	.	.	.
$14014_2 = \chi_{38}$	.	.	.	.	1	.	.	.	.	.	1	.	.	.
$20384_1 = \chi_{45}$	.	.	.	.	1	.	.	.	.	.	.	.	1	.
$21021_1 = \chi_{46}$	1	.	.	.	.	.	1	.	.	.	.	1	.	.
$23296_1 = \chi_{51}$	.	.	.	.	.	.	.	.	.	1	1	.	.	.
$28028_1 = \chi_{55}$	.	.	.	.	.	.	.	1	1	.	.	.	1	.
$42042_1 = \chi_{64}$	1	.	1	.	.	.	.	.	.	1	1	1	.	.
$63063_1 = \chi_{70}$	.	.	.	.	1	.	.	.	1	.	.	.	1	1
$64064_1 = \chi_{71}$	.	.	1	.	.	.	1	.	1	.	.	1	.	1
$69498_1 = \chi_{72}$	.	.	.	.	1	.	.	.	.	.	1	1	.	1

$$\begin{array}{ll}
\varphi_2 & = 13_1 \\
\varphi_4 & = 78_1 \\
\varphi_8 & = 377_1 \\
\varphi_{10} & = 624_1 \\
\varphi_{16} & = 1716_1 \\
\varphi_{18} & = 1924_1 \\
\varphi_{19} & = 2652_1 \\
\varphi_{23} & = 3809_1 \\
\varphi_{29} & = 5551_1 \\
\varphi_{36} & = 10998_1 \\
\varphi_{38} & = 12298_1 \\
\varphi_{44} & = 18356_1 \\
\varphi_{45} & = 18668_1 \\
\varphi_{51} & = 37128_1
\end{array}$$

Block 3:	φ_3	φ_5	φ_6	φ_{25}	φ_{26}	φ_{31}	φ_{33}	φ_{37}	φ_{40}	φ_{41}		
$77_1 = \chi_3$	1	.	.	.	.	.	.	.	.	.	φ_3	$= 77_1$
$273_1 = \chi_5$	1	1	.	.	.	.	.	.	.	.	φ_5	$= 196_1$
$429_1 = \chi_7$	.	1	1	.	.	.	.	.	.	.	φ_6	$= 233_1$
$4752_1 = \chi_{20}$	.	.	.	.	1	.	.	.	.	.	φ_{25}	$= 4752_1$
$4752_2 = \chi_{21}$	.	.	.	1	.	.	.	.	.	.	φ_{26}	$= 4752_2$
$7007_2 = \chi_{29}$	.	1	.	.	.	1	.	.	.	.	φ_{31}	$= 6811_1$
$9009_1 = \chi_{33}$	1	.	1	.	.	.	1	.	.	.	φ_{33}	$= 8699_1$
$16016_1 = \chi_{44}$	1	1	1	.	.	1	1	.	.	.	φ_{37}	$= 11517_1$
$21021_3 = \chi_{48}$	.	.	.	1	1	.	.	1	.	.	φ_{40}	$= 13683_1$
$27027_1 = \chi_{53}$	.	.	.	.	.	1	1	1	.	.	φ_{41}	$= 13683_2$
$29952_1 = \chi_{57}$	.	.	.	.	1	.	.	1	1	.		
$29952_2 = \chi_{58}$	.	.	.	1	.	.	.	1	.	1		
$48048_2 = \chi_{68}$	.	.	2	.	.	.	1	1	1	1		

Block 4:	φ_9	φ_{32}	φ_{42}	φ_{46}		
$560_1 = \chi_8$	1	.	.	.	φ_9	$= 560_1$
$8085_1 = \chi_{32}$	.	1	.	.	φ_{32}	$= 8085_1$
$15015_1 = \chi_{40}$	1	.	1	.	φ_{42}	$= 14455_1$
$28665_1 = \chi_{56}$	.	1	.	1	φ_{46}	$= 20580_1$
$35035_1 = \chi_{61}$	.	.	1	1		

Block 5:	φ_{11}	φ_{50}		
$715_1 = \chi_{10}$	1	.	φ_{11}	$= 715_1$
$34320_1 = \chi_{59}$	.	1	φ_{50}	$= 34320_1$
$34320_2 = \chi_{60}$	.	1		
$35035_2 = \chi_{62}$	1	1		

Block 6:	φ_{14}	φ_{27}	φ_{35}	φ_{43}		
$1365_1 = \chi_{14}$	1	.	.	.	φ_{14}	$= 1365_1$
$6435_1 = \chi_{27}$	1	1	.	.	φ_{27}	$= 5070_1$
$15015_2 = \chi_{41}$	.	1	1	.	φ_{35}	$= 9945_1$
$15015_3 = \chi_{42}$	.	.	.	1	φ_{43}	$= 15015_1$
$24960_1 = \chi_{52}$	.	.	1	1		