

$A_{14}.2 \pmod{5}$

	blocks	defect	matrix		blocks	defect	matrix
$G :$	1	2	20×14		11	0	$13650_1 = \chi_{36,0}, \varphi_{39,0}$
	2	2	20×14		12	0	$13650_2 = \chi_{36,1}, \varphi_{39,1}$
	3	2	20×14		13	0	$21450_1 = \chi_{49,0}, \varphi_{48,0}$
	4	2	20×14		14	0	$21450_2 = \chi_{49,1}, \varphi_{48,1}$
	5	2	20×14		15	0	$21450_3 = \chi_{50,0}, \varphi_{47,1}$
	6	1	5×4		16	0	$21450_4 = \chi_{50,1}, \varphi_{47,0}$
	7	1	5×4		17	0	$47775_1 = \chi_{66,0}, \varphi_{52,0}$
	8	1	5×4		18	0	$47775_2 = \chi_{66,1}, \varphi_{52,1}$
	9	1	5×4		19	0	$50050_1 = \chi_{69,0}, \varphi_{53,0}$
	10	1	5×4		20	0	$50050_2 = \chi_{69,1}, \varphi_{53,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{7,1}$	$\varphi_{12,0}$	$\varphi_{13,0}$	$\varphi_{15,0}$	$\varphi_{17,1}$	$\varphi_{20,0}$	$\varphi_{21,1}$	$\varphi_{22,0}$	$\varphi_{24,1}$	$\varphi_{28,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.
$286_2 = \chi_{6,1}$	.	1	.	.	.	.	.	.	.	.	.
$1001_1 = \chi_{11,0}$	.	.	1	.	.	.	.	.	.	.	.
$1287_1 = \chi_{13,0}$	.	.	.	1	.	.	.	.	.	.	.
$2079_2 = \chi_{17,1}$	.	1	.	.	.	1	.	.	.	.	.
$4368_1 = \chi_{18,0}$	1	.	1	.	.	.	1	.	.	.	.
$4928_1 = \chi_{22,0}$	.	.	.	1	.	.	.	.	1	.	.
$6006_1 = \chi_{24,0}$	.	.	1	.	1	.	1	.	.	.	.
$6006_4 = \chi_{25,1}$	.	.	.	.	.	1	.	.	.	1	.
$7007_1 = \chi_{28,0}$	.	.	.	.	.	.	1	.	1	.	.
$7007_6 = \chi_{30,1}$	.	.	.	.	.	1	.	.	.	.	1
$7644_2 = \chi_{31,1}$	.	.	.	.	.	.	.	1	.	1	.
$12012_3 = \chi_{35,0}$	1	.	.	.	.	.	.	.	.	.	1
$14014_5 = \chi_{39,0}$	.	.	.	1	.	.	.	1	.	.	.
$15444_1 = \chi_{43,0}$	1	.	.	.	1	.	1	.	1	.	.
$21021_3 = \chi_{47,0}$	.	.	.	1	.	.	.	.	1	.	.
$27027_4 = \chi_{54,1}$	.	1	.	.	1	.	.	.	.	.	.
$36608_2 = \chi_{63,1}$	.	1	.	.	.	1	.	.	.	1	1
$42042_4 = \chi_{65,1}$	.	.	.	.	.	.	.	1	.	1	.
$48048_2 = \chi_{67,1}$	.	.	.	.	1	.	.	.	.	.	1

(Block 1:)	$\varphi_{30,0}$	$\varphi_{34,0}$	$\varphi_{49,1}$	
$1_1 = \chi_{1,0}$	.	.	.	$\varphi_{1,0} = 1_1$
$286_2 = \chi_{6,1}$	.	.	.	$\varphi_{7,1} = 286_2$
$1001_1 = \chi_{11,0}$	.	.	.	$\varphi_{12,0} = 1001_1$
$1287_1 = \chi_{13,0}$	.	.	.	$\varphi_{13,0} = 1287_1$
$2079_2 = \chi_{17,1}$	.	.	.	$\varphi_{15,0} = 1639_1$
$4368_1 = \chi_{18,0}$	.	.	.	$\varphi_{17,1} = 1793_2$
$4928_1 = \chi_{22,0}$	.	.	.	$\varphi_{20,0} = 3366_1$
$6006_1 = \chi_{24,0}$	.	.	.	$\varphi_{21,1} = 3431_2$
$6006_4 = \chi_{25,1}$	.	.	.	$\varphi_{22,0} = 3641_1$
$7007_1 = \chi_{28,0}$	.	.	.	$\varphi_{24,1} = 4213_2$
$7007_6 = \chi_{30,1}$	.	.	.	$\varphi_{28,1} = 5214_2$
$7644_2 = \chi_{31,1}$	.	.	.	$\varphi_{30,0} = 6797_1$
$12012_3 = \chi_{35,0}$	1	.	.	$\varphi_{34,0} = 9296_1$
$14014_5 = \chi_{39,0}$	.	1	.	$\varphi_{49,1} = 25102_2$
$15444_1 = \chi_{43,0}$	1	.	.	
$21021_3 = \chi_{47,0}$	1	1	.	
$27027_4 = \chi_{54,1}$	.	.	1	
$36608_2 = \chi_{63,1}$	.	.	1	
$42042_4 = \chi_{65,1}$	.	1	1	
$48048_2 = \chi_{67,1}$	1	1	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{7,0}$	$\varphi_{12,1}$	$\varphi_{13,1}$	$\varphi_{15,1}$	$\varphi_{17,0}$	$\varphi_{20,1}$	$\varphi_{21,0}$	$\varphi_{22,1}$	$\varphi_{24,0}$	$\varphi_{28,0}$
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	.	.	.
$286_1 = \chi_{6,0}$	.	1	.	.	.	.	.	.	.	.	.
$1001_2 = \chi_{11,1}$	.	.	1	.	.	.	.	.	.	.	.
$1287_2 = \chi_{13,1}$	.	.	.	1	.	.	.	.	.	.	.
$2079_1 = \chi_{17,0}$	.	1	.	.	.	1	.	.	.	.	.
$4368_2 = \chi_{18,1}$	1	.	1	.	.	.	1	.	.	.	.
$4928_2 = \chi_{22,1}$	.	.	.	1	.	.	.	.	1	.	.
$6006_2 = \chi_{24,1}$	.	.	1	.	1	.	1	.	.	.	.
$6006_3 = \chi_{25,0}$	.	.	.	.	.	1	.	.	.	1	.
$7007_2 = \chi_{28,1}$	.	.	.	.	.	.	1	.	1	.	.
$7007_5 = \chi_{30,0}$	.	.	.	.	.	1	.	.	.	.	1
$7644_1 = \chi_{31,0}$	.	.	.	.	.	.	.	1	.	1	.
$12012_4 = \chi_{35,1}$	1	.	.	.	.	.	.	.	.	.	1
$14014_6 = \chi_{39,1}$	.	.	.	1	.	.	.	1	.	.	.
$15444_2 = \chi_{43,1}$	1	.	.	.	1	.	1	.	1	.	.
$21021_4 = \chi_{47,1}$	.	.	.	1	.	.	.	.	1	.	.
$27027_3 = \chi_{54,0}$	.	1	.	.	1	.	.	.	.	.	.
$36608_1 = \chi_{63,0}$	.	1	.	.	.	1	.	.	.	1	1
$42042_3 = \chi_{65,0}$	.	.	.	.	.	.	.	1	.	1	.
$48048_1 = \chi_{67,0}$	.	.	.	.	1	.	.	.	.	.	1

(Block 2:)	$\varphi_{30,1}$	$\varphi_{34,1}$	$\varphi_{49,0}$	
$1_2 = \chi_{1,1}$	.	.	.	$\varphi_{1,1} = 1_2$
$286_1 = \chi_{6,0}$	.	.	.	$\varphi_{7,0} = 286_1$
$1001_2 = \chi_{11,1}$	.	.	.	$\varphi_{12,1} = 1001_2$
$1287_2 = \chi_{13,1}$	.	.	.	$\varphi_{13,1} = 1287_2$
$2079_1 = \chi_{17,0}$	.	.	.	$\varphi_{15,1} = 1639_2$
$4368_2 = \chi_{18,1}$	.	.	.	$\varphi_{17,0} = 1793_1$
$4928_2 = \chi_{22,1}$	.	.	.	$\varphi_{20,1} = 3366_2$
$6006_2 = \chi_{24,1}$	.	.	.	$\varphi_{21,0} = 3431_1$
$6006_3 = \chi_{25,0}$	.	.	.	$\varphi_{22,1} = 3641_2$
$7007_2 = \chi_{28,1}$	.	.	.	$\varphi_{24,0} = 4213_1$
$7007_5 = \chi_{30,0}$	.	.	.	$\varphi_{28,0} = 5214_1$
$7644_1 = \chi_{31,0}$	.	.	.	$\varphi_{30,1} = 6797_2$
$12012_4 = \chi_{35,1}$	1	.	.	$\varphi_{34,1} = 9296_2$
$14014_6 = \chi_{39,1}$	.	1	.	$\varphi_{49,0} = 25102_1$
$15444_2 = \chi_{43,1}$	1	.	.	
$21021_4 = \chi_{47,1}$	1	1	.	
$27027_3 = \chi_{54,0}$	.	.	1	
$36608_1 = \chi_{63,0}$	.	.	1	
$42042_3 = \chi_{65,0}$	.	1	1	
$48048_1 = \chi_{67,0}$	1	1	1	

Block 3:	$\varphi_{2,0}$	$\varphi_{4,1}$	$\varphi_{8,0}$	$\varphi_{10,0}$	$\varphi_{16,0}$	$\varphi_{18,1}$	$\varphi_{19,1}$	$\varphi_{23,1}$	$\varphi_{29,1}$	$\varphi_{36,0}$	$\varphi_{38,0}$	$\varphi_{44,0}$
$13_1 = \chi_{2,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$78_2 = \chi_{4,1}$	.	1	.	.	.	.	.	.	.	.	.	.
$637_1 = \chi_{9,0}$	1	.	.	1	.	.	.	.	.	.	.	.
$1001_3 = \chi_{12,0}$	.	.	1	1	.	.	.	.	.	.	.	.
$1716_1 = \chi_{15,0}$	.	.	.	.	1	.	.	.	.	.	.	.
$2002_2 = \chi_{16,1}$	.	1	.	.	.	1	.	.	.	.	.	.
$4576_2 = \chi_{19,1}$	.	.	.	.	.	1	1	.	.	.	.	.
$5733_2 = \chi_{23,1}$	.	.	.	.	.	1	.	1	.	.	.	.
$6006_6 = \chi_{26,1}$	.	1	1	.	.	.	.	.	1	.	.	.
$12012_1 = \chi_{34,0}$	1	.	1	1	.	.	.	.	.	1	.	.
$14014_2 = \chi_{37,1}$	.	1	.	.	.	1	1	1	1	.	.	.
$14014_3 = \chi_{38,0}$	.	.	.	.	1	.	.	.	.	.	1	.
$20384_2 = \chi_{45,1}$	.	.	.	.	1	.	.	.	.	.	.	.
$21021_1 = \chi_{46,0}$	1	.	.	.	.	.	1	.	.	.	.	1
$23296_1 = \chi_{51,0}$	.	.	.	.	.	.	.	.	.	1	1	.
$28028_2 = \chi_{55,1}$	.	.	.	.	.	.	.	1	1	.	.	.
$42042_1 = \chi_{64,0}$	1	.	1	.	.	.	.	.	.	1	1	1
$63063_2 = \chi_{70,1}$	.	.	.	.	1	.	.	.	1	.	.	.
$64064_1 = \chi_{71,0}$	.	.	1	.	.	.	1	.	1	.	.	1
$69498_1 = \chi_{72,0}$	.	.	.	.	1	.	.	.	.	.	1	1

(Block 3:)	$\varphi_{45,1}$	$\varphi_{51,0}$		
$13_1 = \chi_{2,0}$	.	.		
$78_2 = \chi_{4,1}$	.	.		
$637_1 = \chi_{9,0}$	.	.	$\varphi_{2,0} =$	13_1
$1001_3 = \chi_{12,0}$	.	.	$\varphi_{4,1} =$	78_2
$1716_1 = \chi_{15,0}$	.	.	$\varphi_{8,0} =$	377_1
$2002_2 = \chi_{16,1}$	.	.	$\varphi_{10,0} =$	624_1
$4576_2 = \chi_{19,1}$	.	.	$\varphi_{16,0} =$	1716_1
$5733_2 = \chi_{23,1}$	.	.	$\varphi_{18,1} =$	1924_2
$6006_6 = \chi_{26,1}$	.	.	$\varphi_{19,1} =$	2652_2
$12012_1 = \chi_{34,0}$	.	.	$\varphi_{23,1} =$	3809_2
$14014_2 = \chi_{37,1}$	.	.	$\varphi_{29,1} =$	5551_2
$14014_3 = \chi_{38,0}$	.	.	$\varphi_{36,0} =$	10998_1
$20384_2 = \chi_{45,1}$	1	.	$\varphi_{38,0} =$	12298_1
$21021_1 = \chi_{46,0}$	.	.	$\varphi_{44,0} =$	18356_1
$23296_1 = \chi_{51,0}$	.	.	$\varphi_{45,1} =$	18668_2
$28028_2 = \chi_{55,1}$	1	.	$\varphi_{51,0} =$	37128_1
$42042_1 = \chi_{64,0}$	.	.		
$63063_2 = \chi_{70,1}$	1	1		
$64064_1 = \chi_{71,0}$	.	1		
$69498_1 = \chi_{72,0}$	.	1		

Block 4:	$\varphi_{2,1}$	$\varphi_{4,0}$	$\varphi_{8,1}$	$\varphi_{10,1}$	$\varphi_{16,1}$	$\varphi_{18,0}$	$\varphi_{19,0}$	$\varphi_{23,0}$	$\varphi_{29,0}$	$\varphi_{36,1}$	$\varphi_{38,1}$	$\varphi_{44,1}$
$13_2 = \chi_{2,1}$	1	.	.	.	.	.	.	.	.	.	.	.
$78_1 = \chi_{4,0}$	.	1	.	.	.	.	.	.	.	.	.	.
$637_2 = \chi_{9,1}$	1	.	.	1	.	.	.	.	.	.	.	.
$1001_4 = \chi_{12,1}$	.	.	1	1	.	.	.	.	.	.	.	.
$1716_2 = \chi_{15,1}$	.	.	.	.	1	.	.	.	.	.	.	.
$2002_1 = \chi_{16,0}$	.	1	.	.	.	1	.	.	.	.	.	.
$4576_1 = \chi_{19,0}$	.	.	.	.	.	1	1	.	.	.	.	.
$5733_1 = \chi_{23,0}$	.	.	.	.	.	1	.	1	.	.	.	.
$6006_5 = \chi_{26,0}$	.	1	1	.	.	.	.	.	1	.	.	.
$12012_2 = \chi_{34,1}$	1	.	1	1	.	.	.	.	.	1	.	.
$14014_1 = \chi_{37,0}$	.	1	.	.	.	1	1	1	1	.	.	.
$14014_4 = \chi_{38,1}$	.	.	.	.	1	.	.	.	.	.	1	.
$20384_1 = \chi_{45,0}$	.	.	.	.	1	.	.	.	.	.	.	.
$21021_2 = \chi_{46,1}$	1	.	.	.	.	.	1	.	.	.	.	1
$23296_2 = \chi_{51,1}$	.	.	.	.	.	.	.	.	.	1	1	.
$28028_1 = \chi_{55,0}$	.	.	.	.	.	.	.	1	1	.	.	.
$42042_2 = \chi_{64,1}$	1	.	1	.	.	.	.	.	.	1	1	1
$63063_1 = \chi_{70,0}$	.	.	.	.	1	.	.	.	1	.	.	.
$64064_2 = \chi_{71,1}$	.	.	1	.	.	.	1	.	1	.	.	1
$69498_2 = \chi_{72,1}$	.	.	.	.	1	.	.	.	.	.	1	1

(Block 4:)	$\varphi_{45,0}$	$\varphi_{51,1}$		
$13_2 = \chi_{2,1}$	.	.		
$78_1 = \chi_{4,0}$	.	.		
$637_2 = \chi_{9,1}$	.	.	$\varphi_{2,1} =$	13_2
$1001_4 = \chi_{12,1}$	.	.	$\varphi_{4,0} =$	78_1
$1716_2 = \chi_{15,1}$	.	.	$\varphi_{8,1} =$	377_2
$2002_1 = \chi_{16,0}$	.	.	$\varphi_{10,1} =$	624_2
$4576_1 = \chi_{19,0}$	.	.	$\varphi_{16,1} =$	1716_2
$5733_1 = \chi_{23,0}$	.	.	$\varphi_{18,0} =$	1924_1
$6006_5 = \chi_{26,0}$	.	.	$\varphi_{19,0} =$	2652_1
$12012_2 = \chi_{34,1}$	.	.	$\varphi_{23,0} =$	3809_1
$14014_1 = \chi_{37,0}$	.	.	$\varphi_{29,0} =$	5551_1
$14014_4 = \chi_{38,1}$	.	.	$\varphi_{36,1} =$	10998_2
$20384_1 = \chi_{45,0}$	1	.	$\varphi_{38,1} =$	12298_2
$21021_2 = \chi_{46,1}$	.	.	$\varphi_{44,1} =$	18356_2
$23296_2 = \chi_{51,1}$	.	.	$\varphi_{45,0} =$	18668_1
$28028_1 = \chi_{55,0}$	1	.	$\varphi_{51,1} =$	37128_2
$42042_2 = \chi_{64,1}$	.	.		
$63063_1 = \chi_{70,0}$	1	1		
$64064_2 = \chi_{71,1}$	.	1		
$69498_2 = \chi_{72,1}$	.	1		

[illegible]

(Block 5:)	$\varphi_{37,1}$	φ_{40+}		
$77_1 = \chi_{3,0}$	.	.		
$77_2 = \chi_{3,1}$	.	.		
$273_1 = \chi_{5,0}$	.	.	$\varphi_{3,0} =$	77_1
$273_2 = \chi_{5,1}$	.	.	$\varphi_{3,1} =$	77_2
$429_1 = \chi_{7,0}$	.	.	$\varphi_{5,0} =$	196_1
$429_2 = \chi_{7,1}$	.	.	$\varphi_{5,1} =$	196_2
$7007_3 = \chi_{29,0}$	.	.	$\varphi_{6,0} =$	233_1
$7007_4 = \chi_{29,1}$	.	.	$\varphi_{6,1} =$	233_2
$9009_1 = \chi_{33,0}$	.	.	$\varphi_{31,0} =$	6811_1
$9009_2 = \chi_{33,1}$	.	.	$\varphi_{31,1} =$	6811_2
$9504_1 = \chi_{20+}$	.	.	$\varphi_{33,0} =$	8699_1
$16016_1 = \chi_{44,0}$	.	.	$\varphi_{33,1} =$	8699_2
$16016_2 = \chi_{44,1}$	.	.	$\varphi_{25+} =$	9504_1
$21021_5 = \chi_{48,0}$	.	.	$\varphi_{37,0} =$	11517_1
$21021_6 = \chi_{48,1}$	1	.	$\varphi_{37,1} =$	11517_2
$27027_1 = \chi_{53,0}$	.	.	$\varphi_{40+} =$	27366_1
$27027_2 = \chi_{53,1}$	1	.		
$48048_3 = \chi_{68,0}$	.	1		
$48048_4 = \chi_{68,1}$	1	1		
$59904_1 = \chi_{57+}$	1	1		

Block 6:	$\varphi_{9,0}$	$\varphi_{32,1}$	$\varphi_{42,0}$	$\varphi_{46,0}$		
$560_1 = \chi_{8,0}$	1	.	.	.	$\varphi_{9,0} =$	560_1
$8085_2 = \chi_{32,1}$	.	1	.	.	$\varphi_{32,1} =$	8085_2
$15015_1 = \chi_{40,0}$	1	.	1	.	$\varphi_{42,0} =$	14455_1
$28665_2 = \chi_{56,1}$	.	1	.	1	$\varphi_{46,0} =$	20580_1
$35035_1 = \chi_{61,0}$	.	.	1	1		

Block 7:	$\varphi_{9,1}$	$\varphi_{32,0}$	$\varphi_{42,1}$	$\varphi_{46,1}$		
$560_2 = \chi_{8,1}$	1	.	.	.	$\varphi_{9,1} =$	560_2
$8085_1 = \chi_{32,0}$	.	1	.	.	$\varphi_{32,0} =$	8085_1
$15015_2 = \chi_{40,1}$	1	.	1	.	$\varphi_{42,1} =$	14455_2
$28665_1 = \chi_{56,0}$	.	1	.	1	$\varphi_{46,1} =$	20580_2
$35035_2 = \chi_{61,1}$	.	.	1	1		

Block 8:	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{50,0}$	$\varphi_{50,1}$	
$715_1 = \chi_{10,0}$	1	.	.	.	$\varphi_{11,0} = 715_1$
$715_2 = \chi_{10,1}$	.	1	.	.	$\varphi_{11,1} = 715_2$
$35035_3 = \chi_{62,0}$	1	.	1	.	$\varphi_{50,0} = 34320_1$
$35035_4 = \chi_{62,1}$	.	1	.	1	$\varphi_{50,1} = 34320_2$
$68640_1 = \chi_{59+}$	.	.	1	1	

Block 9:	$\varphi_{14,0}$	$\varphi_{27,0}$	$\varphi_{35,1}$	$\varphi_{43,1}$	
$1365_1 = \chi_{14,0}$	1	.	.	.	$\varphi_{14,0} = 1365_1$
$6435_1 = \chi_{27,0}$	1	1	.	.	$\varphi_{27,0} = 5070_1$
$15015_3 = \chi_{41,0}$	.	1	1	.	$\varphi_{35,1} = 9945_2$
$15015_6 = \chi_{42,1}$	.	.	.	1	$\varphi_{43,1} = 15015_2$
$24960_2 = \chi_{52,1}$	.	.	1	1	

Block 10:	$\varphi_{14,1}$	$\varphi_{27,1}$	$\varphi_{35,0}$	$\varphi_{43,0}$	
$1365_2 = \chi_{14,1}$	1	.	.	.	$\varphi_{14,1} = 1365_2$
$6435_2 = \chi_{27,1}$	1	1	.	.	$\varphi_{27,1} = 5070_2$
$15015_4 = \chi_{41,1}$	.	1	1	.	$\varphi_{35,0} = 9945_1$
$15015_5 = \chi_{42,0}$	.	.	.	1	$\varphi_{43,0} = 15015_1$
$24960_1 = \chi_{52,0}$	.	.	1	1	