

$A_{15}.2 \pmod{3}$

	blocks	defect	matrix
$G :$	1	6	108×36
	2	4	22×10
	3	4	22×10
	4	2	9×5
	5	2	9×5
	6	1	3×2
	7	1	3×2

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.
$14_1 = \chi_{2,0}$	1	.	1	.	.	.	.	.	.	.	.
$14_2 = \chi_{2,1}$	.	1	.	1	.	.	.	.	.	.	.
$91_1 = \chi_{4,0}$	.	.	1	.	1	.	.	.	.	.	.
$91_2 = \chi_{4,1}$	.	.	.	1	.	1	.	.	.	.	.
$350_1 = \chi_{5,0}$	.	.	1	.	.	.	.	.	1	.	.
$350_2 = \chi_{5,1}$	.	.	.	1	.	.	.	.	.	1	.
$364_1 = \chi_{6,0}$	.	.	.	.	1	.	1	.	.	.	.
$364_2 = \chi_{6,1}$	.	.	.	.	.	1	.	1	.	.	.
$715_1 = \chi_{7,0}$	1	.	1	.	1	.	1	.	1	.	.
$715_2 = \chi_{7,1}$	.	1	.	1	.	1	.	1	.	1	.
$910_1 = \chi_{8,0}$	.	.	1	.	.	.	.	.	1	.	1
$910_2 = \chi_{8,1}$	.	.	.	1	.	.	.	.	.	1	.
$1001_1 = \chi_{9,0}$	.	.	.	.	.	.	1	.	.	.	.
$1001_2 = \chi_{9,1}$	.	.	.	.	.	.	.	1	.	.	.
$1430_1 = \chi_{10,0}$	1	1	.	.	.	.	.	.	.	.	.
$1430_2 = \chi_{10,1}$	1	1	.	.	.	.	.	.	.	.	.
$1925_1 = \chi_{14,0}$	1	.	2	.	.	.	1	.	1	.	1
$1925_2 = \chi_{14,1}$	.	1	.	2	.	.	.	1	.	1	.
$2002_1 = \chi_{15,0}$	1	.	1	.	.	.	.	.	.	.	1
$2002_2 = \chi_{15,1}$	.	1	.	1	.	.	.	.	.	.	.
$2002_3 = \chi_{16,0}$	.	.	.	.	.	.	.	.	.	.	.
$2002_4 = \chi_{16,1}$	.	.	.	.	.	.	.	.	.	.	.
$3003_1 = \chi_{19,0}$	.	.	.	.	.	.	.	.	.	.	.
$3003_2 = \chi_{19,1}$	.	.	.	.	.	.	.	.	.	.	.
$3432_1 = \chi_{12+}$	.	.	.	.	.	.	.	.	.	.	.
$5005_1 = \chi_{20,0}$	1	1	.	1	.	.	.	.	.	.	.
$5005_2 = \chi_{20,1}$	1	1	1	.	.	.	.	.	.	.	.
$6006_1 = \chi_{21,0}$	.	.	.	1	.	.	.	.	.	.	.
$6006_2 = \chi_{21,1}$	.	.	1	.	.	.	.	.	.	.	.
$7007_1 = \chi_{22,0}$	1	.	1	.	1	.	1	.	1	.	1
$7007_2 = \chi_{22,1}$	.	1	.	1	.	1	.	1	.	1	.
$9100_1 = \chi_{24,0}$	1	.	2	.	2	.	1	.	1	.	1
$9100_2 = \chi_{24,1}$	.	1	.	2	.	2	.	1	.	1	.
$11375_1 = \chi_{27,0}$	2	.	1	.	1	.	.	.	.	.	1
$11375_2 = \chi_{27,1}$	.	2	.	1	.	1	.	.	.	.	.
$12740_1 = \chi_{31,0}$	1	.	.	.	2	.	1	.	.	.	.
$12740_2 = \chi_{31,1}$	.	1	.	.	.	2	.	1	.	.	.
$13650_1 = \chi_{32,0}$	2	.	2	.	.	.	.	.	1	.	1

(Block 1:)	$\varphi_{7,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{15,0}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.	.
$14_1 = \chi_{2,0}$	.	.	.	.	.	.	.	.	.	.
$14_2 = \chi_{2,1}$	.	.	.	.	.	.	.	.	.	.
$91_1 = \chi_{4,0}$	.	.	.	.	.	.	.	.	.	.
$91_2 = \chi_{4,1}$	.	.	.	.	.	.	.	.	.	.
$350_1 = \chi_{5,0}$	.	.	.	.	.	.	.	.	.	.
$350_2 = \chi_{5,1}$	.	.	.	.	.	.	.	.	.	.
$364_1 = \chi_{6,0}$	.	.	.	.	.	.	.	.	.	.
$364_2 = \chi_{6,1}$	.	.	.	.	.	.	.	.	.	.
$715_1 = \chi_{7,0}$	.	.	.	.	.	.	.	.	.	.
$715_2 = \chi_{7,1}$	.	.	.	.	.	.	.	.	.	.
$910_1 = \chi_{8,0}$	.	.	.	.	.	.	.	.	.	.
$910_2 = \chi_{8,1}$	1	.	.	.	.	.	.	.	.	.
$1001_1 = \chi_{9,0}$	.	1	.	.	.	.	.	.	.	.
$1001_2 = \chi_{9,1}$	.	.	1	.	.	.	.	.	.	.
$1430_1 = \chi_{10,0}$	.	.	.	.	.	1	.	.	.	.
$1430_2 = \chi_{10,1}$	.	.	.	.	.	.	1	.	.	.
$1925_1 = \chi_{14,0}$	.	1	.	.	.	.	.	.	.	.
$1925_2 = \chi_{14,1}$	1	.	1	.	.	.	.	.	.	.
$2002_1 = \chi_{15,0}$	.	.	.	.	.	1	.	.	.	.
$2002_2 = \chi_{15,1}$	1	.	.	.	.	.	1	.	.	.
$2002_3 = \chi_{16,0}$	.	1	.	1	.	.	.	.	.	.
$2002_4 = \chi_{16,1}$	.	.	1	.	1	.	.	.	.	.
$3003_1 = \chi_{19,0}$	.	.	.	1	.	.	.	1	.	.
$3003_2 = \chi_{19,1}$	.	.	.	.	1	.	.	.	1	.
$3432_1 = \chi_{12+}$	.	.	.	.	.	.	.	1	1	.
$5005_1 = \chi_{20,0}$	.	.	.	.	.	1	.	.	.	1
$5005_2 = \chi_{20,1}$	.	.	.	.	.	.	1	.	.	.
$6006_1 = \chi_{21,0}$	.	.	1	.	.	.	.	1	.	1
$6006_2 = \chi_{21,1}$	.	1	.	.	.	.	.	.	1	.
$7007_1 = \chi_{22,0}$	.	.	.	.	.	.	.	.	.	.
$7007_2 = \chi_{22,1}$	1	.	.	.	.	.	.	.	.	.
$9100_1 = \chi_{24,0}$	.	1	.	1	.	.	.	.	.	.
$9100_2 = \chi_{24,1}$	1	.	1	.	1	.	.	.	.	.
$11375_1 = \chi_{27,0}$	.	.	.	.	.	1	.	.	.	1
$11375_2 = \chi_{27,1}$	1	.	.	.	.	.	1	.	.	.
$12740_1 = \chi_{31,0}$	.	.	.	1	.	.	.	1	.	1
$12740_2 = \chi_{31,1}$	.	.	.	.	1	.	.	.	1	.
$13650_1 = \chi_{32,0}$	.	1	.	.	.	1	.	.	.	.

(Block 1:)	$\varphi_{15,1}$	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{21,0}$	$\varphi_{21,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{25,0}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.	.
$14_1 = \chi_{2,0}$	.	.	.	.	.	.	.	.	.	.
$14_2 = \chi_{2,1}$	.	.	.	.	.	.	.	.	.	.
$91_1 = \chi_{4,0}$	.	.	.	.	.	.	.	.	.	.
$91_2 = \chi_{4,1}$	.	.	.	.	.	.	.	.	.	.
$350_1 = \chi_{5,0}$	.	.	.	.	.	.	.	.	.	.
$350_2 = \chi_{5,1}$	.	.	.	.	.	.	.	.	.	.
$364_1 = \chi_{6,0}$	.	.	.	.	.	.	.	.	.	.
$364_2 = \chi_{6,1}$	.	.	.	.	.	.	.	.	.	.
$715_1 = \chi_{7,0}$	.	.	.	.	.	.	.	.	.	.
$715_2 = \chi_{7,1}$	.	.	.	.	.	.	.	.	.	.
$910_1 = \chi_{8,0}$	.	.	.	.	.	.	.	.	.	.
$910_2 = \chi_{8,1}$	.	.	.	.	.	.	.	.	.	.
$1001_1 = \chi_{9,0}$	.	.	.	.	.	.	.	.	.	.
$1001_2 = \chi_{9,1}$	.	.	.	.	.	.	.	.	.	.
$1430_1 = \chi_{10,0}$	.	.	.	.	.	.	.	.	.	.
$1430_2 = \chi_{10,1}$	.	.	.	.	.	.	.	.	.	.
$1925_1 = \chi_{14,0}$	.	.	.	.	.	.	.	.	.	.
$1925_2 = \chi_{14,1}$	.	.	.	.	.	.	.	.	.	.
$2002_1 = \chi_{15,0}$	.	.	.	.	.	.	.	.	.	.
$2002_2 = \chi_{15,1}$	.	.	.	.	.	.	.	.	.	.
$2002_3 = \chi_{16,0}$	.	.	.	.	.	.	.	.	.	.
$2002_4 = \chi_{16,1}$	.	.	.	.	.	.	.	.	.	.
$3003_1 = \chi_{19,0}$	.	.	.	.	.	.	.	.	.	.
$3003_2 = \chi_{19,1}$	.	.	.	.	.	.	.	.	.	.
$3432_1 = \chi_{12+}$	.	.	.	.	.	.	.	.	.	.
$5005_1 = \chi_{20,0}$	.	.	.	.	.	.	.	.	.	.
$5005_2 = \chi_{20,1}$	1	.	.	.	.	.	.	.	.	.
$6006_1 = \chi_{21,0}$	.	.	.	.	.	.	.	.	.	.
$6006_2 = \chi_{21,1}$	1	.	.	.	.	.	.	.	.	.
$7007_1 = \chi_{22,0}$	.	1	.	.	.	.	.	.	.	.
$7007_2 = \chi_{22,1}$	.	.	1	.	.	.	.	.	.	.
$9100_1 = \chi_{24,0}$	.	1	.	.	.	.	.	.	.	.
$9100_2 = \chi_{24,1}$	.	.	1	.	.	.	.	.	.	.
$11375_1 = \chi_{27,0}$	.	1	.	.	.	.	.	.	.	.
$11375_2 = \chi_{27,1}$	1	.	1	.	.	.	.	.	.	.
$12740_1 = \chi_{31,0}$	.	1	.	.	.	.	.	.	.	.
$12740_2 = \chi_{31,1}$	1	.	1	.	.	.	.	.	.	.
$13650_1 = \chi_{32,0}$	.	.	.	1	.	.	.	.	.	.

(Block 1:)	$\varphi_{25,1}$	$\varphi_{28,0}$	$\varphi_{28,1}$	$\varphi_{30,0}$	$\varphi_{30,1}$
$1_1 = \chi_{1,0}$	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.
$14_1 = \chi_{2,0}$	.	.	.	.	.
$14_2 = \chi_{2,1}$	.	.	.	.	.
$91_1 = \chi_{4,0}$	.	.	.	.	.
$91_2 = \chi_{4,1}$	.	.	.	.	.
$350_1 = \chi_{5,0}$	.	.	.	.	.
$350_2 = \chi_{5,1}$	.	.	.	.	.
$364_1 = \chi_{6,0}$	.	.	.	.	.
$364_2 = \chi_{6,1}$	.	.	.	.	.
$715_1 = \chi_{7,0}$	.	.	.	.	.
$715_2 = \chi_{7,1}$	.	.	.	.	.
$910_1 = \chi_{8,0}$	.	.	.	.	.
$910_2 = \chi_{8,1}$	.	.	.	.	.
$1001_1 = \chi_{9,0}$	.	.	.	.	.
$1001_2 = \chi_{9,1}$	.	.	.	.	.
$1430_1 = \chi_{10,0}$	.	.	.	.	.
$1430_2 = \chi_{10,1}$	.	.	.	.	.
$1925_1 = \chi_{14,0}$	.	.	.	.	.
$1925_2 = \chi_{14,1}$	.	.	.	.	.
$2002_1 = \chi_{15,0}$	.	.	.	.	.
$2002_2 = \chi_{15,1}$	.	.	.	.	.
$2002_3 = \chi_{16,0}$	.	.	.	.	.
$2002_4 = \chi_{16,1}$	.	.	.	.	.
$3003_1 = \chi_{19,0}$	.	.	.	.	.
$3003_2 = \chi_{19,1}$	.	.	.	.	.
$3432_1 = \chi_{12+}$	.	.	.	.	.
$5005_1 = \chi_{20,0}$	.	.	.	.	.
$5005_2 = \chi_{20,1}$	.	.	.	.	.
$6006_1 = \chi_{21,0}$	.	.	.	.	.
$6006_2 = \chi_{21,1}$	.	.	.	.	.
$7007_1 = \chi_{22,0}$	.	.	.	.	.
$7007_2 = \chi_{22,1}$	.	.	.	.	.
$9100_1 = \chi_{24,0}$	.	.	.	.	.
$9100_2 = \chi_{24,1}$	.	.	.	.	.
$11375_1 = \chi_{27,0}$	.	.	.	.	.
$11375_2 = \chi_{27,1}$	.	.	.	.	.
$12740_1 = \chi_{31,0}$	.	.	.	.	.
$12740_2 = \chi_{31,1}$	.	.	.	.	.
$13650_1 = \chi_{32,0}$	.	.	.	.	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
13650 ₂ = $\chi_{32,1}$	.	2	.	2	.	.	.	.	.	1	.
14300 ₁ = $\chi_{33,0}$	.	.	.	.	.	.	.	.	.	.	.
14300 ₂ = $\chi_{33,1}$	.	.	.	.	.	.	.	.	.	.	.
21450 ₁ = $\chi_{35,0}$	.	1	.	.	.	1	.	1	.	.	.
21450 ₂ = $\chi_{35,1}$	1	.	.	.	1	.	1	.	.	.	.
24024 ₁ = χ_{29+}	2	2	.	.	.	.	.	.	.	.	.
25025 ₁ = $\chi_{38,0}$	2	.	.	.	1	.	1	.	.	.	.
25025 ₂ = $\chi_{38,1}$	.	2	.	.	.	1	.	1	.	.	.
25025 ₃ = $\chi_{39,0}$	1	1	1	1	.	1	.	.	.	.	1
25025 ₄ = $\chi_{39,1}$	1	1	1	1	1	.	.	.	.	.	.
25025 ₅ = $\chi_{40,0}$	.	.	1	.	.	1	.	.	.	.	1
25025 ₆ = $\chi_{40,1}$	.	.	.	1	1	.	.	.	.	.	.
26950 ₁ = $\chi_{41,0}$	2	.	.	.	.	.	1	.	.	.	.
26950 ₂ = $\chi_{41,1}$	.	2	.	.	.	.	.	1	.	.	.
28028 ₁ = $\chi_{43,0}$	1	1	.	1	.	.	.	.	.	1	.
28028 ₂ = $\chi_{43,1}$	1	1	1	.	.	.	.	.	1	.	.
30030 ₁ = $\chi_{44,0}$	.	1	.	1	.	1	.	1	.	.	.
30030 ₂ = $\chi_{44,1}$	1	.	1	.	1	.	1	.	.	.	.
32032 ₁ = $\chi_{45,0}$	2	1	1	.	1	.	.	.	.	.	1
32032 ₂ = $\chi_{45,1}$	1	2	.	1	.	1	.	.	.	.	.
35035 ₁ = $\chi_{47,0}$	1	.	1	.	1	.	1	.	.	.	1
35035 ₂ = $\chi_{47,1}$	.	1	.	1	.	1	.	1	.	.	.
42042 ₁ = $\chi_{49,0}$	4	.	2	.	2	.	2	.	1	.	1
42042 ₂ = $\chi_{49,1}$	.	4	.	2	.	2	.	2	.	1	.
42042 ₃ = $\chi_{50,0}$	2	1	2	.	.	.	.	.	1	.	1
42042 ₄ = $\chi_{50,1}$	1	2	.	2	.	.	.	.	.	1	.
43120 ₁ = $\chi_{51,0}$	.	.	.	.	.	.	.	.	.	.	.
43120 ₂ = $\chi_{51,1}$	.	.	.	.	.	.	.	.	.	.	.
50050 ₁ = $\chi_{54,0}$	1	1	1	1	.	1	.	1	.	1	1
50050 ₂ = $\chi_{54,1}$	1	1	1	1	1	.	1	.	1	.	.
50050 ₃ = $\chi_{55,0}$	2	.	.	1	.	.	1	.	.	.	.
50050 ₄ = $\chi_{55,1}$	.	2	1	.	.	.	.	1	.	.	.
53625 ₁ = $\chi_{57,0}$	2	.	.	.	.	.	.	.	.	.	.
53625 ₂ = $\chi_{57,1}$	.	2	.	.	.	.	.	.	.	.	.
63700 ₁ = $\chi_{62,0}$	1	1	.	2	.	.	.	.	.	1	.
63700 ₂ = $\chi_{62,1}$	1	1	2	.	.	.	.	.	1	.	1
70070 ₁ = $\chi_{63,0}$	.	1	2	.	.	.	.	.	.	.	1
70070 ₂ = $\chi_{63,1}$	1	.	.	2	.	.	.	.	.	.	.
75075 ₁ = $\chi_{64,0}$	3	2	.	2	.	.	.	.	.	.	.
75075 ₂ = $\chi_{64,1}$	2	3	2	.	.	.	.	.	.	.	1

(Block 1:)	$\varphi_{7,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{15,0}$
$13650_2 = \chi_{32,1}$	1	.	1	.	.	.	1	.	.	.
$14300_1 = \chi_{33,0}$	.	1	.	1	.	.	.	1	.	.
$14300_2 = \chi_{33,1}$	.	.	1	.	1	.	.	.	1	.
$21450_1 = \chi_{35,0}$	.	.	.	.	.	.	.	.	1	.
$21450_2 = \chi_{35,1}$	.	.	.	.	.	.	.	1	.	.
$24024_1 = \chi_{29+}$	.	.	.	.	.	1	1	.	.	.
$25025_1 = \chi_{38,0}$	.	.	.	.	.	.	.	.	.	1
$25025_2 = \chi_{38,1}$	.	.	.	.	.	.	.	.	.	.
$25025_3 = \chi_{39,0}$	.	.	.	.	.	1	.	.	.	1
$25025_4 = \chi_{39,1}$	1	.	.	.	.	.	1	.	.	.
$25025_5 = \chi_{40,0}$	.	1	.	1	1	.	.	.	1	.
$25025_6 = \chi_{40,1}$	1	.	1	1	1	.	.	1	.	.
$26950_1 = \chi_{41,0}$	.	1	.	.	.	.	.	.	.	.
$26950_2 = \chi_{41,1}$	.	.	1	.	.	.	.	.	.	.
$28028_1 = \chi_{43,0}$	.	.	.	.	.	.	.	.	.	1
$28028_2 = \chi_{43,1}$	.	.	.	.	.	.	.	.	.	.
$30030_1 = \chi_{44,0}$	.	.	1	1	1	.	.	1	1	1
$30030_2 = \chi_{44,1}$	.	1	.	1	1	.	.	1	1	.
$32032_1 = \chi_{45,0}$	.	.	.	1	.	1	.	.	.	1
$32032_2 = \chi_{45,1}$	1	.	.	.	1	.	1	.	.	.
$35035_1 = \chi_{47,0}$	.	1	.	1	.	.	.	1	1	1
$35035_2 = \chi_{47,1}$	1	.	1	.	1	.	.	1	1	.
$42042_1 = \chi_{49,0}$	.	1	.	1	.	1	.	1	.	1
$42042_2 = \chi_{49,1}$	1	.	1	.	1	.	1	.	1	.
$42042_3 = \chi_{50,0}$	.	.	.	.	.	1	.	.	.	.
$42042_4 = \chi_{50,1}$	1	.	.	.	.	.	1	.	.	.
$43120_1 = \chi_{51,0}$	.	.	.	.	.	.	.	1	1	.
$43120_2 = \chi_{51,1}$	.	.	.	.	.	.	.	1	1	.
$50050_1 = \chi_{54,0}$	.	.	.	.	.	.	.	.	1	1
$50050_2 = \chi_{54,1}$	1	.	.	.	.	.	.	1	.	.
$50050_3 = \chi_{55,0}$	.	.	.	.	.	.	.	1	.	1
$50050_4 = \chi_{55,1}$	.	.	.	.	.	.	.	.	1	.
$53625_1 = \chi_{57,0}$	.	.	.	.	.	.	.	.	.	1
$53625_2 = \chi_{57,1}$	.	.	.	.	.	.	.	.	.	.
$63700_1 = \chi_{62,0}$	1	.	.	.	.	.	.	.	.	.
$63700_2 = \chi_{62,1}$	.	.	.	.	.	.	.	.	.	.
$70070_1 = \chi_{63,0}$	.	.	.	.	.	.	.	.	1	.
$70070_2 = \chi_{63,1}$	1	.	.	.	.	.	.	1	.	.
$75075_1 = \chi_{64,0}$	1	.	1	.	.	1	1	1	.	1
$75075_2 = \chi_{64,1}$	.	1	.	.	.	1	1	.	1	.

(Block 1:)	$\varphi_{15,1}$	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{21,0}$	$\varphi_{21,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{25,0}$
$13650_2 = \chi_{32,1}$	.	.	.	.	1	.	.	.	.	.
$14300_1 = \chi_{33,0}$	.	.	.	1	.	.	.	.	.	.
$14300_2 = \chi_{33,1}$	.	.	.	.	1	.	.	.	.	.
$21450_1 = \chi_{35,0}$	.	.	.	.	.	.	.	1	.	.
$21450_2 = \chi_{35,1}$	.	.	.	.	.	.	.	.	1	.
$24024_1 = \chi_{29+}$	.	.	.	1	1	.	.	.	.	.
$25025_1 = \chi_{38,0}$	.	1	.	.	.	1	.	.	.	.
$25025_2 = \chi_{38,1}$	1	.	1	.	.	.	1	.	.	.
$25025_3 = \chi_{39,0}$	.	.	.	.	.	.	.	1	.	.
$25025_4 = \chi_{39,1}$	1	.	.	.	.	.	.	.	1	.
$25025_5 = \chi_{40,0}$	.	.	.	.	.	.	.	1	.	.
$25025_6 = \chi_{40,1}$	.	.	.	.	.	.	.	.	1	.
$26950_1 = \chi_{41,0}$	.	.	.	1	.	1	.	.	.	.
$26950_2 = \chi_{41,1}$	.	.	.	.	1	.	1	.	.	.
$28028_1 = \chi_{43,0}$	.	.	.	.	.	.	.	.	.	1
$28028_2 = \chi_{43,1}$	1	.	.	.	.	.	.	.	.	.
$30030_1 = \chi_{44,0}$	.	.	.	.	.	.	.	1	.	.
$30030_2 = \chi_{44,1}$	1	.	.	.	.	.	.	.	1	.
$32032_1 = \chi_{45,0}$	.	1	.	.	.	.	.	1	.	.
$32032_2 = \chi_{45,1}$	1	.	1	.	.	.	.	.	1	.
$35035_1 = \chi_{47,0}$	.	1	.	.	.	.	.	1	.	.
$35035_2 = \chi_{47,1}$	1	.	1	.	.	.	.	.	1	.
$42042_1 = \chi_{49,0}$	.	1	.	1	.	1	.	.	.	.
$42042_2 = \chi_{49,1}$	1	.	1	.	1	.	1	.	.	.
$42042_3 = \chi_{50,0}$	.	.	.	1	.	.	.	.	.	.
$42042_4 = \chi_{50,1}$	.	.	.	.	1	.	.	.	.	.
$43120_1 = \chi_{51,0}$	.	.	.	1	.	.	.	.	.	.
$43120_2 = \chi_{51,1}$	.	.	.	.	1	.	.	.	.	.
$50050_1 = \chi_{54,0}$	.	.	.	.	.	.	.	1	.	1
$50050_2 = \chi_{54,1}$	1	.	.	.	.	.	.	.	1	.
$50050_3 = \chi_{55,0}$	.	.	.	.	.	1	.	.	.	.
$50050_4 = \chi_{55,1}$	1	.	.	.	.	.	1	.	.	.
$53625_1 = \chi_{57,0}$	.	.	.	1	.	1	.	.	.	1
$53625_2 = \chi_{57,1}$	1	.	.	.	1	.	1	.	.	.
$63700_1 = \chi_{62,0}$	.	.	.	.	.	.	.	.	.	1
$63700_2 = \chi_{62,1}$	.	.	.	.	.	.	.	.	.	.
$70070_1 = \chi_{63,0}$	.	.	.	.	.	.	.	.	.	.
$70070_2 = \chi_{63,1}$	.	.	.	.	.	.	.	.	.	.
$75075_1 = \chi_{64,0}$	.	.	.	1	1	1	.	.	.	.
$75075_2 = \chi_{64,1}$	1	.	.	1	1	.	1	.	.	.

(Block 1:)	$\varphi_{25,1}$	$\varphi_{28,0}$	$\varphi_{28,1}$	$\varphi_{30,0}$	$\varphi_{30,1}$
$13650_2 = \chi_{32,1}$	.	.	.	.	.
$14300_1 = \chi_{33,0}$	.	.	.	.	.
$14300_2 = \chi_{33,1}$	.	.	.	.	.
$21450_1 = \chi_{35,0}$	.	.	.	.	.
$21450_2 = \chi_{35,1}$	.	.	.	.	.
$24024_1 = \chi_{29+}$	.	.	.	.	.
$25025_1 = \chi_{38,0}$	.	.	.	.	.
$25025_2 = \chi_{38,1}$	.	.	.	.	.
$25025_3 = \chi_{39,0}$	.	.	.	.	.
$25025_4 = \chi_{39,1}$	.	.	.	.	.
$25025_5 = \chi_{40,0}$	.	.	.	.	.
$25025_6 = \chi_{40,1}$	.	.	.	.	.
$26950_1 = \chi_{41,0}$	.	.	.	.	.
$26950_2 = \chi_{41,1}$	.	.	.	.	.
$28028_1 = \chi_{43,0}$	.	.	.	.	.
$28028_2 = \chi_{43,1}$	1	.	.	.	.
$30030_1 = \chi_{44,0}$	.	.	.	.	.
$30030_2 = \chi_{44,1}$	.	.	.	.	.
$32032_1 = \chi_{45,0}$	.	.	.	.	.
$32032_2 = \chi_{45,1}$	.	.	.	.	.
$35035_1 = \chi_{47,0}$	.	.	.	.	.
$35035_2 = \chi_{47,1}$	.	.	.	.	.
$42042_1 = \chi_{49,0}$	.	.	.	.	.
$42042_2 = \chi_{49,1}$	.	.	.	.	.
$42042_3 = \chi_{50,0}$	.	1	.	.	.
$42042_4 = \chi_{50,1}$	.	.	1	.	.
$43120_1 = \chi_{51,0}$	.	1	.	.	.
$43120_2 = \chi_{51,1}$	.	.	1	.	.
$50050_1 = \chi_{54,0}$	.	.	.	.	.
$50050_2 = \chi_{54,1}$	1	.	.	.	.
$50050_3 = \chi_{55,0}$	.	.	1	.	.
$50050_4 = \chi_{55,1}$	.	1	.	.	.
$53625_1 = \chi_{57,0}$	.	.	.	.	.
$53625_2 = \chi_{57,1}$	1	.	.	.	.
$63700_1 = \chi_{62,0}$	.	.	.	1	.
$63700_2 = \chi_{62,1}$	1	.	.	.	1
$70070_1 = \chi_{63,0}$	.	1	.	.	1
$70070_2 = \chi_{63,1}$	.	.	1	1	.
$75075_1 = \chi_{64,0}$	.	.	1	.	.
$75075_2 = \chi_{64,1}$	.	1	.	.	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
75075 ₃ = $\chi_{65,0}$	2	.	.	.	.	.	.	.	.	.	.
75075 ₄ = $\chi_{65,1}$	.	2	.	.	.	.	.	.	.	.	.
80080 ₁ = $\chi_{68,0}$	2	2	1	1	.	1	.	1	.	1	1
80080 ₂ = $\chi_{68,1}$	2	2	1	1	1	.	1	.	1	.	.
91000 ₁ = $\chi_{71,0}$	4	1	2	.	1	.	1	.	1	.	2
91000 ₂ = $\chi_{71,1}$	1	4	.	2	.	1	.	1	.	1	.
100100 ₁ = $\chi_{73,0}$	2	1	1	2	1	1	.	1	.	1	1
100100 ₂ = $\chi_{73,1}$	1	2	2	1	1	1	1	.	1	.	1
100100 ₃ = $\chi_{74,0}$	4	1	2	.	.	.	1	.	1	.	1
100100 ₄ = $\chi_{74,1}$	1	4	.	2	.	.	.	1	.	1	.
100100 ₅ = $\chi_{75,0}$	2	3	1	1	.	.	.	1	.	1	1
100100 ₆ = $\chi_{75,1}$	3	2	1	1	.	.	1	.	1	.	.
112112 ₁ = $\chi_{77,0}$	4	1	2	1	1	1	1	.	1	.	2
112112 ₂ = $\chi_{77,1}$	1	4	1	2	1	1	.	1	.	1	.
112112 ₃ = $\chi_{78,0}$	2	1	2	1	2	.	1	.	1	.	1
112112 ₄ = $\chi_{78,1}$	1	2	1	2	.	2	.	1	.	1	1
125125 ₁ = $\chi_{80,0}$	2	2	1	2	1	1	.	1	.	1	1
125125 ₂ = $\chi_{80,1}$	2	2	2	1	1	1	1	.	1	.	1
150150 ₁ = $\chi_{86,0}$	2	1	2	.	.	.	.	.	.	.	1
150150 ₂ = $\chi_{86,1}$	1	2	.	2	.	.	.	.	.	.	.
156000 ₁ = χ_{66+}	2	2	2	2	.	.	.	.	1	1	1
159250 ₁ = $\chi_{87,0}$	4	2	4	1	2	.	1	.	1	.	2
159250 ₂ = $\chi_{87,1}$	2	4	1	4	.	2	.	1	.	1	.
175175 ₁ = $\chi_{89,0}$	5	2	1	3	1	1	1	1	.	1	1
175175 ₂ = $\chi_{89,1}$	2	5	3	1	1	1	1	1	1	.	1
210210 ₁ = $\chi_{91,0}$	5	2	2	2	2	.	2	.	1	1	1
210210 ₂ = $\chi_{91,1}$	2	5	2	2	.	2	.	2	1	1	1
292864 ₁ = χ_{84+}	6	6	3	3	1	1	1	1	1	1	2

[illegible]

(Block 1:)	$\varphi_{15,1}$	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{21,0}$	$\varphi_{21,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{25,0}$
75075 ₃ = $\chi_{65,0}$	.	.	.	1	.	.	.	.	.	1
75075 ₄ = $\chi_{65,1}$	.	.	.	.	1	.	.	.	.	.
80080 ₁ = $\chi_{68,0}$	.	.	.	1	1	.	.	1	.	1
80080 ₂ = $\chi_{68,1}$	1	.	.	1	1	.	.	.	1	.
91000 ₁ = $\chi_{71,0}$	.	1	.	1	.	1	.	1	.	1
91000 ₂ = $\chi_{71,1}$	2	.	1	.	1	.	1	.	1	.
100100 ₁ = $\chi_{73,0}$	.	1	.	.	.	.	.	1	.	1
100100 ₂ = $\chi_{73,1}$	1	.	1	.	.	.	.	.	1	.
100100 ₃ = $\chi_{74,0}$	.	.	.	2	.	1	.	.	.	1
100100 ₄ = $\chi_{74,1}$	1	.	.	.	2	.	1	.	.	.
100100 ₅ = $\chi_{75,0}$	.	.	.	1	1	.	1	.	.	1
100100 ₆ = $\chi_{75,1}$	1	.	.	1	1	1	.	.	.	.
112112 ₁ = $\chi_{77,0}$	.	1	.	1	.	.	.	1	.	1
112112 ₂ = $\chi_{77,1}$	1	.	1	.	1	.	.	.	1	.
112112 ₃ = $\chi_{78,0}$	.	1	.	.	.	.	.	.	.	.
112112 ₄ = $\chi_{78,1}$	.	.	1	.	.	.	.	.	.	1
125125 ₁ = $\chi_{80,0}$	.	1	1	.	.	.	.	.	.	1
125125 ₂ = $\chi_{80,1}$	1	1	1	.	.	.	.	.	.	.
150150 ₁ = $\chi_{86,0}$	.	.	.	1	.	.	.	.	.	1
150150 ₂ = $\chi_{86,1}$	.	.	.	.	1	.	.	.	.	.
156000 ₁ = χ_{66+}	.	.	.	1	1	.	.	.	.	1
159250 ₁ = $\chi_{87,0}$	.	1	.	1	.	.	.	.	.	1
159250 ₂ = $\chi_{87,1}$	1	.	1	.	1	.	.	.	.	.
175175 ₁ = $\chi_{89,0}$	.	1	.	1	1	1	.	1	.	1
175175 ₂ = $\chi_{89,1}$	2	.	1	1	1	.	1	.	1	.
210210 ₁ = $\chi_{91,0}$	.	1	.	1	1	1	.	.	.	1
210210 ₂ = $\chi_{91,1}$	1	.	1	1	1	.	1	.	.	1
292864 ₁ = χ_{84+}	1	1	1	2	2	1	1	.	.	1

(Block 1:)	$\varphi_{25,1}$	$\varphi_{28,0}$	$\varphi_{28,1}$	$\varphi_{30,0}$	$\varphi_{30,1}$
75075 ₃ = $\chi_{65,0}$	.	.	.	1	.
75075 ₄ = $\chi_{65,1}$	1	.	.	.	1
80080 ₁ = $\chi_{68,0}$	.	.	.	.	.
80080 ₂ = $\chi_{68,1}$	1	.	.	.	.
91000 ₁ = $\chi_{71,0}$	.	.	.	.	.
91000 ₂ = $\chi_{71,1}$	1	.	.	.	.
100100 ₁ = $\chi_{73,0}$	.	.	.	1	.
100100 ₂ = $\chi_{73,1}$	1	.	.	.	1
100100 ₃ = $\chi_{74,0}$	.	1	.	.	.
100100 ₄ = $\chi_{74,1}$	1	.	1	.	.
100100 ₅ = $\chi_{75,0}$	.	1	.	.	.
100100 ₆ = $\chi_{75,1}$	1	.	1	.	.
112112 ₁ = $\chi_{77,0}$	.	.	.	1	.
112112 ₂ = $\chi_{77,1}$	1	.	.	.	1
112112 ₃ = $\chi_{78,0}$	1	.	.	1	1
112112 ₄ = $\chi_{78,1}$	.	.	.	1	1
125125 ₁ = $\chi_{80,0}$	.	.	.	1	1
125125 ₂ = $\chi_{80,1}$	1	.	.	1	1
150150 ₁ = $\chi_{86,0}$	.	1	.	1	1
150150 ₂ = $\chi_{86,1}$	1	.	1	1	1
156000 ₁ = χ_{66+}	1	.	.	1	1
159250 ₁ = $\chi_{87,0}$	.	1	.	1	1
159250 ₂ = $\chi_{87,1}$	1	.	1	1	1
175175 ₁ = $\chi_{89,0}$	.	.	1	1	.
175175 ₂ = $\chi_{89,1}$	1	1	.	.	1
210210 ₁ = $\chi_{91,0}$	1	.	1	1	1
210210 ₂ = $\chi_{91,1}$	1	1	.	1	1
292864 ₁ = χ_{84+}	1	1	1	1	1

$\varphi_{1,0}$	=	1 ₁
$\varphi_{1,1}$	=	1 ₂
$\varphi_{2,0}$	=	13 ₁
$\varphi_{2,1}$	=	13 ₂
$\varphi_{3,0}$	=	78 ₁
$\varphi_{3,1}$	=	78 ₂
$\varphi_{5,0}$	=	286 ₁
$\varphi_{5,1}$	=	286 ₂
$\varphi_{6,0}$	=	337 ₁
$\varphi_{6,1}$	=	337 ₂
$\varphi_{7,0}$	=	560 ₁
$\varphi_{7,1}$	=	560 ₂
$\varphi_{8,0}$	=	715 ₁
$\varphi_{8,1}$	=	715 ₂
$\varphi_{9,0}$	=	1287 ₁
$\varphi_{9,1}$	=	1287 ₂
$\varphi_{10,0}$	=	1428 ₁
$\varphi_{10,1}$	=	1428 ₂
$\varphi_{12,0}$	=	1716 ₁
$\varphi_{12,1}$	=	1716 ₂
$\varphi_{15,0}$	=	3562 ₁
$\varphi_{15,1}$	=	3562 ₂
$\varphi_{16,0}$	=	5732 ₁
$\varphi_{16,1}$	=	5732 ₂
$\varphi_{19,0}$	=	10582 ₁
$\varphi_{19,1}$	=	10582 ₂
$\varphi_{21,0}$	=	15365 ₁
$\varphi_{21,1}$	=	15365 ₂
$\varphi_{23,0}$	=	19369 ₁
$\varphi_{23,1}$	=	19369 ₂
$\varphi_{25,0}$	=	24114 ₁
$\varphi_{25,1}$	=	24114 ₂
$\varphi_{28,0}$	=	29106 ₁
$\varphi_{28,1}$	=	29106 ₂
$\varphi_{30,0}$	=	38661 ₁
$\varphi_{30,1}$	=	38661 ₂

Block 2:	$\varphi_{4,0}$	$\varphi_{11,0}$	$\varphi_{14,0}$	$\varphi_{17,0}$	$\varphi_{18,0}$	$\varphi_{22,0}$	$\varphi_{27,0}$	$\varphi_{29,0}$	$\varphi_{31,0}$	$\varphi_{33,0}$
$90_1 = \chi_{3,0}$	1	.	.	.	.	.	.	.	.	.
$1638_1 = \chi_{11,0}$	1	1	.	.	.	.	.	.	.	.
$2925_2 = \chi_{18,1}$	.	.	1	.	.	.	.	.	.	.
$7722_1 = \chi_{23,0}$	.	.	.	1	.	.	.	.	.	.
$9450_1 = \chi_{25,0}$	2	1	.	1	.	.	.	.	.	.
$11088_2 = \chi_{26,1}$	.	.	1	.	1	.	.	.	.	.
$19305_2 = \chi_{34,1}$	.	.	.	.	.	1	.	.	.	.
$27027_2 = \chi_{42,1}$	1	.	.	.	.	.	1	.	.	.
$34398_1 = \chi_{46,0}$	2	1	.	.	.	.	.	1	.	.
$35100_2 = \chi_{48,1}$	.	.	.	.	1	.	1	.	.	.
$45045_1 = \chi_{53,0}$	.	1	.	.	.	.	.	.	1	.
$51975_2 = \chi_{56,1}$	.	.	.	.	.	1	.	1	.	.
$54054_2 = \chi_{58,1}$	1	.	.	1	.	1	1	.	.	.
$57330_2 = \chi_{59,1}$	.	.	1	.	1	1	1	.	.	.
$61425_1 = \chi_{61,0}$	.	.	.	.	.	.	.	.	.	1
$90090_2 = \chi_{70,1}$	1	.	1	.	1	1	1	1	.	.
$96525_2 = \chi_{72,1}$	2	1	.	1	1	1	1	1	.	.
$108108_1 = \chi_{76,0}$	1	2	.	.	.	.	.	.	1	1
$122850_1 = \chi_{79,0}$	2	1	.	1	.	1	.	1	.	1
$126126_1 = \chi_{81,0}$	1	1	1	.	1	1	.	1	.	1
$128700_1 = \chi_{82,0}$	.	1	1	.	.	1	.	.	1	1
$135135_1 = \chi_{83,0}$	1	2	.	1	.	1	.	.	1	1

$$\begin{array}{ll}
\varphi_{4,0} &= 90_1 \\
\varphi_{11,0} &= 1548_1 \\
\varphi_{14,0} &= 2925_1 \\
\varphi_{17,0} &= 7722_1 \\
\varphi_{18,0} &= 8163_1
\end{array}
\qquad
\begin{array}{ll}
\varphi_{22,0} &= 19305_1 \\
\varphi_{27,0} &= 26937_1 \\
\varphi_{29,0} &= 32670_1 \\
\varphi_{31,0} &= 43497_1 \\
\varphi_{33,0} &= 61425_1
\end{array}$$

Block 3:	$\varphi_{4,1}$	$\varphi_{11,1}$	$\varphi_{14,1}$	$\varphi_{17,1}$	$\varphi_{18,1}$	$\varphi_{22,1}$	$\varphi_{27,1}$	$\varphi_{29,1}$	$\varphi_{31,1}$	$\varphi_{33,1}$
$90_2 = \chi_{3,1}$	1	.	.	.	.	.	.	.	.	.
$1638_2 = \chi_{11,1}$	1	1	.	.	.	.	.	.	.	.
$2925_1 = \chi_{18,0}$	.	.	1	.	.	.	.	.	.	.
$7722_2 = \chi_{23,1}$	.	.	.	1	.	.	.	.	.	.
$9450_2 = \chi_{25,1}$	2	1	.	1	.	.	.	.	.	.
$11088_1 = \chi_{26,0}$	.	.	1	.	1	.	.	.	.	.
$19305_1 = \chi_{34,0}$	.	.	.	.	.	1	.	.	.	.
$27027_1 = \chi_{42,0}$	1	.	.	.	.	.	1	.	.	.
$34398_2 = \chi_{46,1}$	2	1	.	.	.	.	.	1	.	.
$35100_1 = \chi_{48,0}$	.	.	.	.	1	.	1	.	.	.
$45045_2 = \chi_{53,1}$	.	1	.	.	.	.	.	.	1	.
$51975_1 = \chi_{56,0}$	.	.	.	.	.	1	.	1	.	.
$54054_1 = \chi_{58,0}$	1	.	.	1	.	1	1	.	.	.
$57330_1 = \chi_{59,0}$	.	.	1	.	1	1	1	.	.	.
$61425_2 = \chi_{61,1}$	.	.	.	.	.	.	.	.	.	1
$90090_1 = \chi_{70,0}$	1	.	1	.	1	1	1	1	.	.
$96525_1 = \chi_{72,0}$	2	1	.	1	1	1	1	1	.	.
$108108_2 = \chi_{76,1}$	1	2	.	.	.	.	.	.	1	1
$122850_2 = \chi_{79,1}$	2	1	.	1	.	1	.	1	.	1
$126126_2 = \chi_{81,1}$	1	1	1	.	1	1	.	1	.	1
$128700_2 = \chi_{82,1}$	.	1	1	.	.	1	.	.	1	1
$135135_2 = \chi_{83,1}$	1	2	.	1	.	1	.	.	1	1

$$\begin{aligned}
\varphi_{4,1} &= 90_2 & \varphi_{22,1} &= 19305_2 \\
\varphi_{11,1} &= 1548_2 & \varphi_{27,1} &= 26937_2 \\
\varphi_{14,1} &= 2925_2 & \varphi_{29,1} &= 32670_2 \\
\varphi_{17,1} &= 7722_2 & \varphi_{31,1} &= 43497_2 \\
\varphi_{18,1} &= 8163_2 & \varphi_{33,1} &= 61425_2
\end{aligned}$$

Block 4:	$\varphi_{13,0}$	$\varphi_{20,0}$	$\varphi_{26,0}$	$\varphi_{32,0}$	$\varphi_{34,0}$	
$2835_1 = \chi_{17,0}$	1	.	.	.	.	
$11583_1 = \chi_{28,0}$	.	1	.	.	.	$\varphi_{13,0} = 2835_1$
$24948_2 = \chi_{37,1}$	.	.	1	.	.	$\varphi_{20,0} = 11583_1$
$44550_1 = \chi_{52,0}$	.	.	.	1	.	$\varphi_{26,0} = 24948_1$
$58968_1 = \chi_{60,0}$	1	1	.	1	.	$\varphi_{32,0} = 44550_1$
$81081_1 = \chi_{69,0}$	.	1	1	1	.	$\varphi_{34,0} = 159327_1$
$162162_2 = \chi_{88,1}$	1	.	.	.	1	
$184275_2 = \chi_{90,1}$	.	.	1	.	1	
$231660_2 = \chi_{93,1}$	1	.	1	1	1	

Block 5:	$\varphi_{13,1}$	$\varphi_{20,1}$	$\varphi_{26,1}$	$\varphi_{32,1}$	$\varphi_{34,1}$	
$2835_2 = \chi_{17,1}$	1	.	.	.	.	
$11583_2 = \chi_{28,1}$	.	1	.	.	.	$\varphi_{13,1} = 2835_2$
$24948_1 = \chi_{37,0}$	.	.	1	.	.	$\varphi_{20,1} = 11583_2$
$44550_2 = \chi_{52,1}$	.	.	.	1	.	$\varphi_{26,1} = 24948_2$
$58968_2 = \chi_{60,1}$	1	1	.	1	.	$\varphi_{32,1} = 44550_2$
$81081_2 = \chi_{69,1}$	.	1	1	1	.	$\varphi_{34,1} = 159327_2$
$162162_1 = \chi_{88,0}$	1	.	.	.	1	
$184275_1 = \chi_{90,0}$	.	.	1	.	1	
$231660_1 = \chi_{93,0}$	1	.	1	1	1	

Block 6:	$\varphi_{24,0}$	$\varphi_{35,0}$	
$22113_1 = \chi_{36,0}$	1	.	$\varphi_{24,0} = 22113_1$
$221130_1 = \chi_{92,0}$	.	1	$\varphi_{35,0} = 221130_1$
$243243_1 = \chi_{94,0}$	1	1	

Block 7:	$\varphi_{24,1}$	$\varphi_{35,1}$	
$22113_2 = \chi_{36,1}$	1	.	$\varphi_{24,1} = 22113_2$
$221130_2 = \chi_{92,1}$	.	1	$\varphi_{35,1} = 221130_2$
$243243_2 = \chi_{94,1}$	1	1	