

$A_{16}.2 \pmod{3}$

	blocks	defect	matrix
$G :$	1	6	108×36
	2	5	51×20
	3	5	51×20
	4	2	9×5
	5	2	9×5
	6	0	$416988_1 = \chi_{102,0}, \varphi_{43,1}$
	7	0	$416988_2 = \chi_{102,1}, \varphi_{43,0}$
	8	0	$928746_1 = \chi_{106+}, \varphi_{44+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$
$1_1 = \chi_{1,0}$	.	1	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	.	.	.
$104_1 = \chi_{3,0}$	.	1	.	1	.	.	.	.	.	.	.
$104_2 = \chi_{3,1}$	1	.	1	.	.	.	.	.	.	.	.
$440_1 = \chi_{5,0}$	.	.	.	1	.	1	.	.	.	.	.
$440_2 = \chi_{5,1}$	.	.	1	.	1	.	.	.	.	.	.
$455_1 = \chi_{6,0}$	.	.	.	.	.	.	.	1	.	.	.
$455_2 = \chi_{6,1}$	.	.	.	.	.	.	1	.	.	.	.
$896_1 = \chi_{7,0}$	.	1	.	1	.	1	.	1	.	.	.
$896_2 = \chi_{7,1}$	1	.	1	.	1	.	1	.	.	.	.
$1430_1 = \chi_{10,0}$	1	1	.	.	.	.	.	.	.	1	.
$1430_2 = \chi_{10,1}$	1	1	.	.	.	.	.	.	1	.	.
$2548_1 = \chi_{11,0}$	.	.	.	1	.	1	.	.	.	.	.
$2548_2 = \chi_{11,1}$	.	.	1	.	1	.	.	.	.	.	1
$3640_1 = \chi_{15,0}$	.	1	.	1	.	.	.	.	.	1	.
$3640_2 = \chi_{15,1}$	1	.	1	.	.	.	.	.	1	.	1
$4004_1 = \chi_{17,0}$	.	1	.	.	.	1	.	1	.	.	.
$4004_2 = \chi_{17,1}$	1	.	.	.	1	.	1	.	.	.	.
$5005_1 = \chi_{18,0}$	.	.	.	.	.	.	.	.	.	.	.
$5005_2 = \chi_{18,1}$	.	.	.	.	.	.	.	.	.	.	.
$11648_1 = \chi_{21,0}$	.	.	.	.	.	.	.	.	.	.	.
$11648_2 = \chi_{21,1}$	.	.	.	.	.	.	.	.	.	.	.
$14300_1 = \chi_{25,0}$	.	1	.	2	.	1	.	.	.	.	.
$14300_2 = \chi_{25,1}$	1	.	2	.	1	.	.	.	.	.	1
$20020_1 = \chi_{28,0}$	.	1	.	1	.	1	.	1	.	1	.
$20020_2 = \chi_{28,1}$	1	.	1	.	1	.	1	.	1	.	1
$21840_1 = \chi_{31,0}$	.	.	.	.	.	1	.	2	.	.	.
$21840_2 = \chi_{31,1}$	.	.	.	.	1	.	2	.	.	.	.
$23100_1 = \chi_{32,0}$	.	2	.	2	.	1	.	.	.	1	.
$23100_2 = \chi_{32,1}$	2	.	2	.	1	.	.	.	1	.	1
$24024_1 = \chi_{22+}$	2	2	.	.	.	.	.	.	1	1	.
$24024_2 = \chi_{33,0}$	.	.	.	.	.	.	.	.	.	.	.
$24024_3 = \chi_{33,1}$	.	.	.	.	.	.	.	.	.	.	.
$32032_1 = \chi_{36,0}$	1	1	1	.	.	.	.	.	.	1	.
$32032_2 = \chi_{36,1}$	1	1	.	1	.	.	.	.	1	.	.
$36608_1 = \chi_{38,0}$	.	.	.	.	.	.	.	.	.	.	.
$36608_2 = \chi_{38,1}$	.	.	.	.	.	.	.	.	.	.	.
$42042_1 = \chi_{29+}$	.	.	.	.	.	.	.	.	.	.	.
$43120_1 = \chi_{41,0}$	.	1	.	.	.	1	.	1	.	.	.
$43120_2 = \chi_{41,1}$	1	.	.	.	1	.	1	.	.	.	.

(Block 1:)	$\varphi_{10,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{20,0}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.	.
$104_1 = \chi_{3,0}$	.	.	.	.	.	.	.	.	.	.
$104_2 = \chi_{3,1}$	.	.	.	.	.	.	.	.	.	.
$440_1 = \chi_{5,0}$	.	.	.	.	.	.	.	.	.	.
$440_2 = \chi_{5,1}$	.	.	.	.	.	.	.	.	.	.
$455_1 = \chi_{6,0}$	.	.	.	.	.	.	.	.	.	.
$455_2 = \chi_{6,1}$	.	.	.	.	.	.	.	.	.	.
$896_1 = \chi_{7,0}$	.	.	.	.	.	.	.	.	.	.
$896_2 = \chi_{7,1}$	.	.	.	.	.	.	.	.	.	.
$1430_1 = \chi_{10,0}$	.	.	.	.	.	.	.	.	.	.
$1430_2 = \chi_{10,1}$	.	.	.	.	.	.	.	.	.	.
$2548_1 = \chi_{11,0}$	1	.	.	.	.	.	.	.	.	.
$2548_2 = \chi_{11,1}$	.	.	.	.	.	.	.	.	.	.
$3640_1 = \chi_{15,0}$	1	.	.	.	.	.	.	.	.	.
$3640_2 = \chi_{15,1}$	.	.	.	.	.	.	.	.	.	.
$4004_1 = \chi_{17,0}$	.	.	1	.	.	.	.	.	.	.
$4004_2 = \chi_{17,1}$	.	1	.	.	.	.	.	.	.	.
$5005_1 = \chi_{18,0}$	.	.	.	.	1	.	.	.	.	.
$5005_2 = \chi_{18,1}$	.	.	.	1	.	.	.	.	.	.
$11648_1 = \chi_{21,0}$	.	.	1	.	.	.	1	.	.	.
$11648_2 = \chi_{21,1}$	.	1	.	.	.	1	.	.	.	.
$14300_1 = \chi_{25,0}$	1	.	1	.	.	.	1	.	.	.
$14300_2 = \chi_{25,1}$	.	1	.	.	.	1	.	.	.	.
$20020_1 = \chi_{28,0}$	1	.	.	.	.	.	.	.	.	.
$20020_2 = \chi_{28,1}$	.	.	.	.	.	.	.	.	.	1
$21840_1 = \chi_{31,0}$	.	.	.	.	1	.	.	.	.	.
$21840_2 = \chi_{31,1}$	.	.	.	1	.	.	.	.	.	1
$23100_1 = \chi_{32,0}$	1	.	.	.	.	.	1	.	1	.
$23100_2 = \chi_{32,1}$	.	.	.	.	.	1	.	1	.	.
$24024_1 = \chi_{22+}$	.	.	.	.	.	.	.	1	1	.
$24024_2 = \chi_{33,0}$	.	.	.	.	1	.	1	.	1	.
$24024_3 = \chi_{33,1}$	.	.	.	1	.	1	.	1	.	.
$32032_1 = \chi_{36,0}$	.	.	.	.	.	.	.	.	.	.
$32032_2 = \chi_{36,1}$	.	.	.	.	.	.	.	.	.	.
$36608_1 = \chi_{38,0}$	.	.	.	.	1	.	.	.	1	.
$36608_2 = \chi_{38,1}$	.	.	.	1	.	.	.	1	.	.
$42042_1 = \chi_{29+}$	.	.	.	.	.	.	.	.	.	.
$43120_1 = \chi_{41,0}$	.	.	1	.	.	.	.	.	.	.
$43120_2 = \chi_{41,1}$	.	1	.	.	.	.	.	.	.	1

(Block 1:)	$\varphi_{20,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{24,0}$	$\varphi_{24,1}$	$\varphi_{26,0}$	$\varphi_{26,1}$	$\varphi_{30,0}$	$\varphi_{30,1}$	$\varphi_{34,0}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.	.
$104_1 = \chi_{3,0}$	.	.	.	.	.	.	.	.	.	.
$104_2 = \chi_{3,1}$	.	.	.	.	.	.	.	.	.	.
$440_1 = \chi_{5,0}$	.	.	.	.	.	.	.	.	.	.
$440_2 = \chi_{5,1}$	.	.	.	.	.	.	.	.	.	.
$455_1 = \chi_{6,0}$	.	.	.	.	.	.	.	.	.	.
$455_2 = \chi_{6,1}$	.	.	.	.	.	.	.	.	.	.
$896_1 = \chi_{7,0}$	.	.	.	.	.	.	.	.	.	.
$896_2 = \chi_{7,1}$	.	.	.	.	.	.	.	.	.	.
$1430_1 = \chi_{10,0}$	.	.	.	.	.	.	.	.	.	.
$1430_2 = \chi_{10,1}$	.	.	.	.	.	.	.	.	.	.
$2548_1 = \chi_{11,0}$	.	.	.	.	.	.	.	.	.	.
$2548_2 = \chi_{11,1}$	.	.	.	.	.	.	.	.	.	.
$3640_1 = \chi_{15,0}$	.	.	.	.	.	.	.	.	.	.
$3640_2 = \chi_{15,1}$	.	.	.	.	.	.	.	.	.	.
$4004_1 = \chi_{17,0}$	.	.	.	.	.	.	.	.	.	.
$4004_2 = \chi_{17,1}$	.	.	.	.	.	.	.	.	.	.
$5005_1 = \chi_{18,0}$	.	.	.	.	.	.	.	.	.	.
$5005_2 = \chi_{18,1}$	.	.	.	.	.	.	.	.	.	.
$11648_1 = \chi_{21,0}$	.	.	.	.	.	.	.	.	.	.
$11648_2 = \chi_{21,1}$	.	.	.	.	.	.	.	.	.	.
$14300_1 = \chi_{25,0}$	.	.	.	.	.	.	.	.	.	.
$14300_2 = \chi_{25,1}$	.	.	.	.	.	.	.	.	.	.
$20020_1 = \chi_{28,0}$	1	.	.	.	.	.	.	.	.	.
$20020_2 = \chi_{28,1}$	.	.	.	.	.	.	.	.	.	.
$21840_1 = \chi_{31,0}$	1	.	.	.	.	.	.	.	.	.
$21840_2 = \chi_{31,1}$	.	.	.	.	.	.	.	.	.	.
$23100_1 = \chi_{32,0}$	.	.	.	.	.	.	.	.	.	.
$23100_2 = \chi_{32,1}$	.	.	.	.	.	.	.	.	.	.
$24024_1 = \chi_{22+}$	.	.	.	.	.	.	.	.	.	.
$24024_2 = \chi_{33,0}$	.	.	.	.	.	.	.	.	.	.
$24024_3 = \chi_{33,1}$	.	.	.	.	.	.	.	.	.	.
$32032_1 = \chi_{36,0}$	.	.	.	.	.	.	1	.	.	.
$32032_2 = \chi_{36,1}$	.	.	.	.	.	1	.	.	.	.
$36608_1 = \chi_{38,0}$	.	.	1	.	.	.	.	.	.	.
$36608_2 = \chi_{38,1}$	.	1	.	.	.	.	.	.	.	.
$42042_1 = \chi_{29+}$	.	1	1	.	.	.	.	.	.	.
$43120_1 = \chi_{41,0}$	1	.	.	.	1	.	.	.	.	.
$43120_2 = \chi_{41,1}$	.	.	.	1	.	.	.	.	.	.

(Block 1:)	$\varphi_{34,1}$	$\varphi_{35,0}$	$\varphi_{35,1}$	$\varphi_{37,0}$	$\varphi_{37,1}$
$1_1 = \chi_{1,0}$	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.
$104_1 = \chi_{3,0}$	.	.	.	.	.
$104_2 = \chi_{3,1}$	.	.	.	.	.
$440_1 = \chi_{5,0}$	.	.	.	.	.
$440_2 = \chi_{5,1}$	.	.	.	.	.
$455_1 = \chi_{6,0}$	.	.	.	.	.
$455_2 = \chi_{6,1}$	.	.	.	.	.
$896_1 = \chi_{7,0}$	.	.	.	.	.
$896_2 = \chi_{7,1}$	.	.	.	.	.
$1430_1 = \chi_{10,0}$	.	.	.	.	.
$1430_2 = \chi_{10,1}$	.	.	.	.	.
$2548_1 = \chi_{11,0}$	.	.	.	.	.
$2548_2 = \chi_{11,1}$	.	.	.	.	.
$3640_1 = \chi_{15,0}$	.	.	.	.	.
$3640_2 = \chi_{15,1}$	.	.	.	.	.
$4004_1 = \chi_{17,0}$	.	.	.	.	.
$4004_2 = \chi_{17,1}$	.	.	.	.	.
$5005_1 = \chi_{18,0}$	.	.	.	.	.
$5005_2 = \chi_{18,1}$	.	.	.	.	.
$11648_1 = \chi_{21,0}$	.	.	.	.	.
$11648_2 = \chi_{21,1}$	.	.	.	.	.
$14300_1 = \chi_{25,0}$	.	.	.	.	.
$14300_2 = \chi_{25,1}$	.	.	.	.	.
$20020_1 = \chi_{28,0}$	.	.	.	.	.
$20020_2 = \chi_{28,1}$	.	.	.	.	.
$21840_1 = \chi_{31,0}$	.	.	.	.	.
$21840_2 = \chi_{31,1}$	.	.	.	.	.
$23100_1 = \chi_{32,0}$	.	.	.	.	.
$23100_2 = \chi_{32,1}$	.	.	.	.	.
$24024_1 = \chi_{22+}$	.	.	.	.	.
$24024_2 = \chi_{33,0}$	.	.	.	.	.
$24024_3 = \chi_{33,1}$	.	.	.	.	.
$32032_1 = \chi_{36,0}$	.	.	.	.	.
$32032_2 = \chi_{36,1}$	.	.	.	.	.
$36608_1 = \chi_{38,0}$	.	.	.	.	.
$36608_2 = \chi_{38,1}$	.	.	.	.	.
$42042_1 = \chi_{29+}$	.	.	.	.	.
$43120_1 = \chi_{41,0}$	.	.	.	.	.
$43120_2 = \chi_{41,1}$	.	.	.	.	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$
$45760_1 = \chi_{42,0}$	.	2	.	.	.	.	.	.	.	.	.
$45760_2 = \chi_{42,1}$	2	.	.	.	.	.	.	.	.	.	.
$60060_3 = \chi_{45,0}$	.	.	1	.	.	.	.	.	.	.	.
$60060_4 = \chi_{45,1}$	.	.	.	1	.	.	.	.	.	.	.
$71500_1 = \chi_{49,0}$	.	2	.	.	.	.	.	1	.	1	.
$71500_2 = \chi_{49,1}$	2	.	.	.	.	.	1	.	1	.	.
$71680_1 = \chi_{50,0}$	.	3	.	2	.	2	.	2	.	1	.
$71680_2 = \chi_{50,1}$	3	.	2	.	2	.	2	.	1	.	1
$76440_1 = \chi_{52,0}$	1	2	.	2	.	1	.	.	.	1	.
$76440_2 = \chi_{52,1}$	2	1	2	.	1	.	.	.	1	.	1
$91520_1 = \chi_{56,0}$	1	1	.	.	.	.	1	.	.	1	.
$91520_2 = \chi_{56,1}$	1	1	.	.	.	.	.	1	1	.	1
$100100_1 = \chi_{58,0}$	.	.	.	.	.	.	1	.	.	.	.
$100100_2 = \chi_{58,1}$	.	.	.	.	.	.	.	1	.	.	1
$112112_1 = \chi_{60,0}$	.	1	.	.	.	.	.	1	.	1	.
$112112_2 = \chi_{60,1}$	1	.	.	.	.	.	1	.	1	.	1
$112112_3 = \chi_{61,0}$	.	3	.	.	.	1	.	2	.	1	.
$112112_4 = \chi_{61,1}$	3	.	.	.	1	.	2	.	1	.	.
$114400_1 = \chi_{62,0}$	.	.	.	.	.	.	.	.	.	.	.
$114400_2 = \chi_{62,1}$	.	.	.	.	.	.	.	.	.	.	.
$116480_1 = \chi_{65,0}$	1	1	1	.	1	.	.	.	.	.	.
$116480_2 = \chi_{65,1}$	1	1	.	1	.	1	.	.	.	.	.
$140140_1 = \chi_{68,0}$	.	2	1	.	.	.	.	.	.	.	.
$140140_2 = \chi_{68,1}$	2	.	.	1	.	.	.	.	.	.	.
$150150_1 = \chi_{69,0}$	.	2	.	.	.	.	.	.	.	.	.
$150150_2 = \chi_{69,1}$	2	.	.	.	.	.	.	.	.	.	.
$168168_1 = \chi_{72,0}$	.	1	.	2	.	1	.	.	.	.	.
$168168_2 = \chi_{72,1}$	1	.	2	.	1	.	.	.	.	.	1
$171600_1 = \chi_{73,0}$	2	3	2	.	.	.	.	.	1	1	1
$171600_2 = \chi_{73,1}$	3	2	.	2	.	.	.	.	1	1	.
$197120_1 = \chi_{78,0}$	.	1	.	.	.	.	.	.	.	.	.
$197120_2 = \chi_{78,1}$	1	.	.	.	.	.	.	.	.	.	.
$200200_1 = \chi_{79,0}$	1	1	.	.	1	.	1	.	.	.	.
$200200_2 = \chi_{79,1}$	1	1	.	.	.	1	.	1	.	.	1
$200200_3 = \chi_{80,0}$	1	1	.	.	1	.	.	.	.	.	.
$200200_4 = \chi_{80,1}$	1	1	.	.	.	1	.	.	.	.	.
$210210_1 = \chi_{84,0}$	1	2	1	1	1	.	1	.	.	1	.
$210210_2 = \chi_{84,1}$	2	1	1	1	.	1	.	1	1	.	2
$240240_1 = \chi_{86,0}$	1	2	.	1	1	.	1	.	.	1	.
$240240_2 = \chi_{86,1}$	2	1	1	.	.	1	.	1	1	.	2

(Block 1:)	$\varphi_{10,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{20,0}$
$45760_1 = \chi_{42,0}$	.	.	1	.	.	.	1	.	1	.
$45760_2 = \chi_{42,1}$	.	1	.	.	.	1	.	1	.	.
$60060_3 = \chi_{45,0}$	.	.	.	.	.	1	.	.	.	.
$60060_4 = \chi_{45,1}$	.	.	.	.	.	.	1	.	.	.
$71500_1 = \chi_{49,0}$	.	.	.	.	.	.	.	.	.	.
$71500_2 = \chi_{49,1}$	.	.	.	.	.	.	.	.	.	1
$71680_1 = \chi_{50,0}$	1	.	1	.	1	.	1	.	1	.
$71680_2 = \chi_{50,1}$	.	1	.	1	.	1	.	1	.	1
$76440_1 = \chi_{52,0}$	1	.	.	.	.	.	.	.	1	.
$76440_2 = \chi_{52,1}$	.	.	.	.	.	.	.	1	.	.
$91520_1 = \chi_{56,0}$	1	.	.	.	.	.	.	.	.	.
$91520_2 = \chi_{56,1}$	.	.	.	.	.	.	.	.	.	.
$100100_1 = \chi_{58,0}$	1	.	.	1	1	.	.	.	.	.
$100100_2 = \chi_{58,1}$	.	.	.	1	1	.	.	.	.	.
$112112_1 = \chi_{60,0}$	1	.	.	.	1	.	.	.	.	.
$112112_2 = \chi_{60,1}$	.	.	.	1	.	.	.	.	.	1
$112112_3 = \chi_{61,0}$	.	.	1	.	1	.	.	.	1	.
$112112_4 = \chi_{61,1}$	.	1	.	1	.	.	.	1	.	1
$114400_1 = \chi_{62,0}$	.	.	.	.	.	.	.	.	1	.
$114400_2 = \chi_{62,1}$	.	.	.	.	.	.	.	1	.	.
$116480_1 = \chi_{65,0}$	.	.	.	.	.	.	.	.	.	.
$116480_2 = \chi_{65,1}$	.	.	.	.	.	.	.	.	.	.
$140140_1 = \chi_{68,0}$	.	.	1	.	.	.	.	.	.	.
$140140_2 = \chi_{68,1}$	.	1	.	.	.	.	.	.	.	.
$150150_1 = \chi_{69,0}$	.	.	.	.	.	.	.	.	1	.
$150150_2 = \chi_{69,1}$	.	.	.	.	.	.	.	1	.	.
$168168_1 = \chi_{72,0}$	1	.	.	.	.	.	.	.	.	.
$168168_2 = \chi_{72,1}$	.	.	.	.	.	.	.	.	.	.
$171600_1 = \chi_{73,0}$	.	.	.	.	.	1	.	1	1	.
$171600_2 = \chi_{73,1}$	1	.	.	.	.	.	1	1	1	.
$197120_1 = \chi_{78,0}$	.	.	.	.	.	.	.	.	1	.
$197120_2 = \chi_{78,1}$	.	.	.	.	.	.	.	1	.	.
$200200_1 = \chi_{79,0}$	1	1	.	.	.	.	.	.	.	.
$200200_2 = \chi_{79,1}$	.	.	1	.	.	.	.	.	.	.
$200200_3 = \chi_{80,0}$	.	.	.	.	.	.	.	.	1	.
$200200_4 = \chi_{80,1}$	.	.	.	.	.	.	.	1	.	.
$210210_1 = \chi_{84,0}$	2	.	.	.	.	.	.	.	.	.
$210210_2 = \chi_{84,1}$	.	.	.	.	.	.	.	.	.	.
$240240_1 = \chi_{86,0}$	2	.	.	1	1	.	1	1	1	.
$240240_2 = \chi_{86,1}$	.	.	.	1	1	1	.	1	1	.

(Block 1:)	$\varphi_{20,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{24,0}$	$\varphi_{24,1}$	$\varphi_{26,0}$	$\varphi_{26,1}$	$\varphi_{30,0}$	$\varphi_{30,1}$	$\varphi_{34,0}$
$45760_1 = \chi_{42,0}$	.	.	.	.	1	.	.	.	.	.
$45760_2 = \chi_{42,1}$	.	.	.	1	.	.	.	.	.	.
$60060_3 = \chi_{45,0}$	.	.	1	.	.	.	1	.	.	.
$60060_4 = \chi_{45,1}$	.	1	.	.	.	1	.	.	.	.
$71500_1 = \chi_{49,0}$	1	.	.	.	1	.	1	.	.	.
$71500_2 = \chi_{49,1}$	.	.	.	1	.	1	.	.	.	.
$71680_1 = \chi_{50,0}$	1	.	.	.	1	.	.	.	.	.
$71680_2 = \chi_{50,1}$	.	.	.	1	.	.	.	.	.	.
$76440_1 = \chi_{52,0}$	.	.	.	.	.	.	.	.	1	.
$76440_2 = \chi_{52,1}$	.	.	.	.	.	.	.	1	.	.
$91520_1 = \chi_{56,0}$	.	.	.	.	.	.	.	.	.	.
$91520_2 = \chi_{56,1}$	.	.	.	.	.	.	.	.	.	.
$100100_1 = \chi_{58,0}$	.	.	.	.	.	.	.	.	.	.
$100100_2 = \chi_{58,1}$	.	.	.	.	.	.	.	.	.	.
$112112_1 = \chi_{60,0}$	1	.	.	.	.	.	.	.	.	.
$112112_2 = \chi_{60,1}$	.	.	.	.	.	.	.	.	.	.
$112112_3 = \chi_{61,0}$	1	.	1	.	1	.	1	.	.	.
$112112_4 = \chi_{61,1}$	.	1	.	1	.	1	.	.	.	.
$114400_1 = \chi_{62,0}$	.	1	1	.	.	.	.	.	1	.
$114400_2 = \chi_{62,1}$	.	1	1	.	.	.	.	1	.	.
$116480_1 = \chi_{65,0}$	.	.	.	.	.	.	1	.	.	.
$116480_2 = \chi_{65,1}$	.	.	.	.	.	1	.	.	.	1
$140140_1 = \chi_{68,0}$	.	.	1	.	1	.	1	1	.	.
$140140_2 = \chi_{68,1}$	.	1	.	1	.	1	.	.	1	.
$150150_1 = \chi_{69,0}$	.	.	.	.	1	.	1	.	.	.
$150150_2 = \chi_{69,1}$	.	.	.	1	.	1	.	.	.	1
$168168_1 = \chi_{72,0}$	.	.	.	.	.	.	.	.	1	.
$168168_2 = \chi_{72,1}$	.	.	.	.	.	.	.	1	.	.
$171600_1 = \chi_{73,0}$	.	.	1	.	1	.	1	1	.	.
$171600_2 = \chi_{73,1}$	.	1	.	1	.	1	.	.	1	.
$197120_1 = \chi_{78,0}$	.	.	1	.	.	.	.	1	.	.
$197120_2 = \chi_{78,1}$	.	1	.	.	.	.	.	.	1	.
$200200_1 = \chi_{79,0}$	.	1	.	.	.	.	.	.	.	.
$200200_2 = \chi_{79,1}$	.	.	1	.	.	.	.	.	.	1
$200200_3 = \chi_{80,0}$	.	.	.	.	.	.	.	.	.	.
$200200_4 = \chi_{80,1}$	.	.	.	.	.	.	.	.	.	1
$210210_1 = \chi_{84,0}$	.	.	.	.	.	.	1	.	.	.
$210210_2 = \chi_{84,1}$	.	.	.	.	.	1	.	.	.	1
$240240_1 = \chi_{86,0}$	.	1	.	.	.	.	.	.	.	.
$240240_2 = \chi_{86,1}$	.	.	1	.	.	.	.	.	.	1

(Block 1:)	$\varphi_{34,1}$	$\varphi_{35,0}$	$\varphi_{35,1}$	$\varphi_{37,0}$	$\varphi_{37,1}$
$45760_1 = \chi_{42,0}$	.	.	.	.	.
$45760_2 = \chi_{42,1}$	.	.	.	.	.
$60060_3 = \chi_{45,0}$	.	.	.	.	.
$60060_4 = \chi_{45,1}$	.	.	.	.	.
$71500_1 = \chi_{49,0}$	.	.	.	.	.
$71500_2 = \chi_{49,1}$	.	.	.	.	.
$71680_1 = \chi_{50,0}$	.	.	.	.	.
$71680_2 = \chi_{50,1}$	.	.	.	.	.
$76440_1 = \chi_{52,0}$	.	.	.	.	.
$76440_2 = \chi_{52,1}$	.	.	.	.	.
$91520_1 = \chi_{56,0}$	.	.	1	.	.
$91520_2 = \chi_{56,1}$	.	1	.	.	.
$100100_1 = \chi_{58,0}$	.	.	1	.	.
$100100_2 = \chi_{58,1}$	.	1	.	.	.
$112112_1 = \chi_{60,0}$	.	.	1	.	.
$112112_2 = \chi_{60,1}$	.	1	.	.	.
$112112_3 = \chi_{61,0}$	.	.	.	.	.
$112112_4 = \chi_{61,1}$	.	.	.	.	.
$114400_1 = \chi_{62,0}$	.	.	.	.	.
$114400_2 = \chi_{62,1}$	.	.	.	.	.
$116480_1 = \chi_{65,0}$	1	.	.	.	.
$116480_2 = \chi_{65,1}$	.	.	.	.	.
$140140_1 = \chi_{68,0}$	.	.	.	.	.
$140140_2 = \chi_{68,1}$	.	.	.	.	.
$150150_1 = \chi_{69,0}$	1	.	.	.	.
$150150_2 = \chi_{69,1}$	.	.	.	.	.
$168168_1 = \chi_{72,0}$	.	.	.	1	.
$168168_2 = \chi_{72,1}$	.	.	.	.	1
$171600_1 = \chi_{73,0}$	.	.	.	.	.
$171600_2 = \chi_{73,1}$	.	.	.	.	.
$197120_1 = \chi_{78,0}$	.	.	.	.	1
$197120_2 = \chi_{78,1}$	.	.	.	1	.
$200200_1 = \chi_{79,0}$	1	.	1	.	.
$200200_2 = \chi_{79,1}$	.	1	.	.	.
$200200_3 = \chi_{80,0}$	1	.	.	.	1
$200200_4 = \chi_{80,1}$	.	.	.	1	.
$210210_1 = \chi_{84,0}$	1	.	1	.	.
$210210_2 = \chi_{84,1}$	.	1	.	.	.
$240240_1 = \chi_{86,0}$	1	.	1	.	.
$240240_2 = \chi_{86,1}$	.	1	.	.	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$
$250250_1 = \chi_{66+}$	.	.	.	.	1	1	1	1	.	.	.
$266240_1 = \chi_{89,0}$	1	4	.	1	.	1	.	1	.	2	.
$266240_2 = \chi_{89,1}$	4	1	1	.	1	.	1	.	2	.	2
$280280_1 = \chi_{90,0}$	1	4	.	2	.	1	.	.	.	1	.
$280280_2 = \chi_{90,1}$	4	1	2	.	1	.	.	.	1	.	1
$280280_3 = \chi_{91,0}$	3	2	1	1	1	.	.	.	.	1	.
$280280_4 = \chi_{91,1}$	2	3	1	1	.	1	.	.	1	.	1
$292864_1 = \chi_{92,0}$	2	2	1	.	1	.	1	.	.	1	.
$292864_2 = \chi_{92,1}$	2	2	.	1	.	1	.	1	1	.	1
$305760_1 = \chi_{94,0}$	1	2	.	2	.	2	.	2	.	1	.
$305760_2 = \chi_{94,1}$	2	1	2	.	2	.	2	.	1	.	1
$318500_1 = \chi_{95,0}$	.	3	.	1	.	1	.	1	.	1	.
$318500_2 = \chi_{95,1}$	3	.	1	.	1	.	1	.	1	.	2
$320320_1 = \chi_{96,0}$	1	2	.	1	1	1	1	1	.	1	.
$320320_2 = \chi_{96,1}$	2	1	1	.	1	1	1	1	1	.	2
$404250_1 = \chi_{81+}$	1	1	.	.	.	.	.	.	.	.	.
$429000_3 = \chi_{104,0}$	1	2	.	2	1	1	.	.	.	.	.
$429000_4 = \chi_{104,1}$	2	1	2	.	1	1	.	.	.	.	1
$448448_1 = \chi_{105,0}$	1	3	1	.	1	2	.	2	.	.	1
$448448_2 = \chi_{105,1}$	3	1	.	1	2	1	2	.	.	.	.
$500500_1 = \chi_{109,0}$	2	3	2	.	2	.	1	1	.	1	1
$500500_2 = \chi_{109,1}$	3	2	.	2	.	2	1	1	1	.	1
$512512_1 = \chi_{110,0}$	2	5	1	1	1	1	1	1	.	2	.
$512512_2 = \chi_{110,1}$	5	2	1	1	1	1	1	1	2	.	2
$582400_1 = \chi_{114,0}$	2	5	1	2	1	2	.	2	.	1	.
$582400_2 = \chi_{114,1}$	5	2	2	1	2	1	2	.	1	.	1
$640640_1 = \chi_{118,0}$	4	4	2	1	2	1	1	1	1	1	1
$640640_2 = \chi_{118,1}$	4	4	1	2	1	2	1	1	1	1	1

(Block 1:)	$\varphi_{10,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{20,0}$
$250250_1 = \chi_{66+}$	.	.	.	1	1	.	.	.	.	1
$266240_1 = \chi_{89,0}$	2	.	.	.	1	.	.	.	1	.
$266240_2 = \chi_{89,1}$	.	.	.	1	.	.	.	1	.	1
$280280_1 = \chi_{90,0}$	1	.	1	.	.	.	1	.	2	.
$280280_2 = \chi_{90,1}$	.	1	.	.	.	1	.	2	.	.
$280280_3 = \chi_{91,0}$	1	1	.	.	.	1	.	1	1	.
$280280_4 = \chi_{91,1}$	.	.	1	.	.	.	1	1	1	.
$292864_1 = \chi_{92,0}$	1	1	.	1	1	1	.	1	1	.
$292864_2 = \chi_{92,1}$	.	.	1	1	1	.	1	1	1	.
$305760_1 = \chi_{94,0}$	1	.	.	.	1	.	.	.	1	.
$305760_2 = \chi_{94,1}$	.	.	.	1	.	.	.	1	.	1
$318500_1 = \chi_{95,0}$	2	.	1	.	1	.	1	.	1	.
$318500_2 = \chi_{95,1}$	.	1	.	1	.	1	.	1	.	1
$320320_1 = \chi_{96,0}$	2	.	.	1	1	.	.	.	1	.
$320320_2 = \chi_{96,1}$	.	.	.	1	1	.	.	1	.	1
$404250_1 = \chi_{81+}$	.	.	.	1	1	.	.	1	1	.
$429000_3 = \chi_{104,0}$	1	.	.	1	1	.	1	1	2	.
$429000_4 = \chi_{104,1}$	.	.	.	1	1	1	.	2	1	.
$448448_1 = \chi_{105,0}$	.	.	1	.	1	.	.	1	1	.
$448448_2 = \chi_{105,1}$	1	1	.	1	.	.	.	1	1	1
$500500_1 = \chi_{109,0}$	1	1	.	1	1	1	.	1	1	.
$500500_2 = \chi_{109,1}$	1	.	1	1	1	.	1	1	1	1
$512512_1 = \chi_{110,0}$	2	.	1	1	1	.	1	1	2	.
$512512_2 = \chi_{110,1}$	.	1	.	1	1	1	.	2	1	1
$582400_1 = \chi_{114,0}$	1	.	1	.	1	.	1	1	2	.
$582400_2 = \chi_{114,1}$	.	1	.	1	.	1	.	2	1	1
$640640_1 = \chi_{118,0}$	1	1	.	1	1	1	.	2	2	1
$640640_2 = \chi_{118,1}$	1	.	1	1	1	.	1	2	2	1

(Block 1:)	$\varphi_{20,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{24,0}$	$\varphi_{24,1}$	$\varphi_{26,0}$	$\varphi_{26,1}$	$\varphi_{30,0}$	$\varphi_{30,1}$	$\varphi_{34,0}$
$250250_1 = \chi_{66+}$	1	.	.	.	.	.	.	.	.	.
$266240_1 = \chi_{89,0}$	1	.	.	.	1	.	1	.	.	.
$266240_2 = \chi_{89,1}$	.	.	.	1	.	1	.	.	.	1
$280280_1 = \chi_{90,0}$	.	1	1	.	1	.	1	.	1	.
$280280_2 = \chi_{90,1}$	.	1	1	1	.	1	.	1	.	1
$280280_3 = \chi_{91,0}$	.	1	1	1	.	.	1	.	1	.
$280280_4 = \chi_{91,1}$	.	1	1	.	1	1	.	1	.	1
$292864_1 = \chi_{92,0}$	.	1	1	.	.	.	1	.	.	.
$292864_2 = \chi_{92,1}$	.	1	1	.	.	1	.	.	.	1
$305760_1 = \chi_{94,0}$	1	.	.	.	.	.	.	.	1	.
$305760_2 = \chi_{94,1}$	.	.	.	.	.	.	.	1	.	.
$318500_1 = \chi_{95,0}$	1	1	1	.	1	.	1	.	.	.
$318500_2 = \chi_{95,1}$	.	1	1	1	.	1	.	.	.	1
$320320_1 = \chi_{96,0}$	1	.	.	.	.	.	.	.	.	.
$320320_2 = \chi_{96,1}$	.	.	.	.	.	.	.	.	.	1
$404250_1 = \chi_{81+}$	.	1	1	.	.	.	.	1	1	.
$429000_3 = \chi_{104,0}$	.	1	.	.	.	.	.	.	1	.
$429000_4 = \chi_{104,1}$	.	.	1	.	.	.	.	1	.	1
$448448_1 = \chi_{105,0}$	1	.	1	.	1	.	.	1	.	1
$448448_2 = \chi_{105,1}$	.	1	.	1	.	.	.	.	1	.
$500500_1 = \chi_{109,0}$	1	1	1	.	1	.	1	1	.	.
$500500_2 = \chi_{109,1}$	.	1	1	1	.	1	.	.	1	1
$512512_1 = \chi_{110,0}$	1	1	1	.	1	.	1	1	.	.
$512512_2 = \chi_{110,1}$	.	1	1	1	.	1	.	.	1	1
$582400_1 = \chi_{114,0}$	1	1	1	.	1	.	1	1	1	.
$582400_2 = \chi_{114,1}$	.	1	1	1	.	1	.	1	1	1
$640640_1 = \chi_{118,0}$	1	1	1	1	1	.	1	1	1	.
$640640_2 = \chi_{118,1}$	1	1	1	1	1	1	.	1	1	1

						$\varphi_{1,0} = 1_1$
						$\varphi_{1,1} = 1_2$
						$\varphi_{3,0} = 103_1$
						$\varphi_{3,1} = 103_2$
						$\varphi_{5,0} = 337_1$
						$\varphi_{5,1} = 337_2$
						$\varphi_{6,0} = 455_1$
						$\varphi_{6,1} = 455_2$
						$\varphi_{9,0} = 1428_1$
						$\varphi_{9,1} = 1428_2$
						$\varphi_{10,0} = 2108_1$
						$\varphi_{10,1} = 2108_2$
						$\varphi_{12,0} = 3211_1$
						$\varphi_{12,1} = 3211_2$
						$\varphi_{15,0} = 5005_1$
						$\varphi_{15,1} = 5005_2$
						$\varphi_{18,0} = 8437_1$
						$\varphi_{18,1} = 8437_2$
						$\varphi_{19,0} = 10582_1$
						$\varphi_{19,1} = 10582_2$
						$\varphi_{20,0} = 15588_1$
						$\varphi_{20,1} = 15588_2$
						$\varphi_{23,0} = 21021_1$
						$\varphi_{23,1} = 21021_2$
						$\varphi_{24,0} = 23528_1$
						$\varphi_{24,1} = 23528_2$
						$\varphi_{26,0} = 30499_1$
						$\varphi_{26,1} = 30499_2$
						$\varphi_{30,0} = 61776_1$
						$\varphi_{30,1} = 61776_2$
						$\varphi_{34,0} = 85539_1$
						$\varphi_{34,1} = 85539_2$
						$\varphi_{35,0} = 87527_1$
						$\varphi_{35,1} = 87527_2$
						$\varphi_{37,0} = 103740_1$
						$\varphi_{37,1} = 103740_2$
(Block 1:)	$\varphi_{34,1}$	$\varphi_{35,0}$	$\varphi_{35,1}$	$\varphi_{37,0}$	$\varphi_{37,1}$	
250250 ₁ = χ_{66+}	.	.	.	1	1	
266240 ₁ = $\chi_{89,0}$	1	.	1	.	.	
266240 ₂ = $\chi_{89,1}$	.	1	.	.	.	
280280 ₁ = $\chi_{90,0}$	1	.	.	.	.	
280280 ₂ = $\chi_{90,1}$	.	.	.	.	.	
280280 ₃ = $\chi_{91,0}$	1	.	.	.	.	
280280 ₄ = $\chi_{91,1}$	.	.	.	.	.	
292864 ₁ = $\chi_{92,0}$	1	.	1	.	.	
292864 ₂ = $\chi_{92,1}$	.	1	.	.	.	
305760 ₁ = $\chi_{94,0}$	.	.	.	1	1	
305760 ₂ = $\chi_{94,1}$	.	.	.	1	1	
318500 ₁ = $\chi_{95,0}$	1	.	1	.	.	
318500 ₂ = $\chi_{95,1}$	.	1	.	.	.	
320320 ₁ = $\chi_{96,0}$	1	.	1	.	1	
320320 ₂ = $\chi_{96,1}$	.	1	.	1	.	
404250 ₁ = χ_{81+}	.	.	.	1	1	
429000 ₃ = $\chi_{104,0}$	1	.	.	1	1	
429000 ₄ = $\chi_{104,1}$	.	.	.	1	1	
448448 ₁ = $\chi_{105,0}$	.	.	.	1	1	
448448 ₂ = $\chi_{105,1}$	1	.	.	1	1	
500500 ₁ = $\chi_{109,0}$	1	.	1	.	1	
500500 ₂ = $\chi_{109,1}$	.	1	.	1	.	
512512 ₁ = $\chi_{110,0}$	1	.	1	.	1	
512512 ₂ = $\chi_{110,1}$	.	1	.	1	.	
582400 ₁ = $\chi_{114,0}$	1	.	.	1	1	
582400 ₂ = $\chi_{114,1}$	.	.	.	1	1	
640640 ₁ = $\chi_{118,0}$	1	.	.	1	1	
640640 ₂ = $\chi_{118,1}$	.	.	.	1	1	

Block 2:	$\varphi_{2,1}$	$\varphi_{4,0}$	$\varphi_{7,1}$	$\varphi_{8,1}$	$\varphi_{11,0}$	$\varphi_{13,1}$	$\varphi_{14,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{22,0}$
$15_1 = \chi_{2,0}$	1	.	.	.	.	.	.	.	.	.
$105_2 = \chi_{4,1}$	.	1	.	.	.	.	.	.	.	.
$1260_1 = \chi_{8,0}$	.	.	1	.	.	.	.	.	.	.
$1365_1 = \chi_{9,0}$	.	.	.	1	.	.	.	.	.	.
$2640_1 = \chi_{12,0}$	1	.	1	1	.	.	.	.	.	.
$3003_2 = \chi_{13,1}$	.	.	.	.	1	.	.	.	.	.
$3432_1 = \chi_{14,0}$	1	.	.	.	.	1	.	.	.	.
$3900_2 = \chi_{16,1}$	.	1	.	.	.	.	1	.	.	.
$6435_1 = \chi_{19,0}$	.	.	.	.	.	.	.	1	.	.
$10752_2 = \chi_{20,1}$	.	1	.	.	.	.	1	.	1	.
$13860_2 = \chi_{24,1}$	.	2	.	.	1	.	1	.	1	.
$18018_2 = \chi_{27,1}$	1	.	.	.	.	.	.	.	.	1
$24960_2 = \chi_{34,1}$	.	1	.	.	.	.	.	.	1	1
$30030_1 = \chi_{35,0}$	1	1	.	.	.	1	.	.	.	.
$36036_1 = \chi_{37,0}$	.	1	.	.	1	.	.	1	.	.
$38220_1 = \chi_{39,0}$	1	.	1	1	.	.	.	.	.	.
$51480_2 = \chi_{43,1}$	1	.	.	1	.	.	.	1	.	.
$60060_2 = \chi_{44,1}$	.	1	.	.	1	.	.	1	1	.
$65520_1 = \chi_{46,0}$	2	.	.	.	.	1	.	.	.	.
$68640_2 = \chi_{47,1}$	1	1	.	.	.	.	.	.	1	1
$69888_1 = \chi_{48,0}$	1	.	.	1	.	.	.	1	.	.
$80640_1 = \chi_{53,0}$	2	.	1	.	.	1	.	.	.	.
$82368_1 = \chi_{54,0}$	.	.	.	.	.	.	.	1	.	.
$85800_2 = \chi_{55,1}$	.	.	.	.	1	.	.	.	.	.
$91728_2 = \chi_{57,1}$	1	.	1	.	.	.	.	.	.	.
$105600_1 = \chi_{59,0}$	.	.	.	1	.	.	.	.	.	.
$114660_2 = \chi_{63,1}$	.	2	.	.	1	.	1	.	1	1
$150150_4 = \chi_{70,1}$	1	1	1	1	.	.	.	1	1	.
$155232_2 = \chi_{71,1}$	.	.	.	.	.	.	.	.	.	.
$173250_2 = \chi_{74,1}$	.	.	.	.	.	.	.	.	.	.
$180180_1 = \chi_{75,0}$	2	.	1	2	.	1	.	1	.	.
$180180_4 = \chi_{76,1}$	2	.	.	.	.	1	.	.	.	1
$194040_1 = \chi_{77,0}$	2	.	1	2	.	1	.	1	.	.
$240240_3 = \chi_{87,0}$	1	1	.	.	.	.	1	.	.	.
$262080_2 = \chi_{88,1}$	1	2	.	.	1	.	1	1	2	1
$300300_1 = \chi_{93,0}$	1	1	.	1	1	1	.	1	.	.
$336336_2 = \chi_{97,1}$	2	1	1	1	1	.	.	2	1	1
$337920_2 = \chi_{98,1}$	.	.	.	.	1	.	.	1	.	.
$360360_2 = \chi_{99,1}$	1	2	.	.	1	.	1	.	1	1
$360360_3 = \chi_{100,0}$	1	.	1	2	.	.	.	1	.	.

(Block 2:)	$\varphi_{25,1}$	$\varphi_{27,1}$	$\varphi_{29,0}$	$\varphi_{32,1}$	$\varphi_{33,0}$	$\varphi_{36,0}$	$\varphi_{38,1}$	$\varphi_{40,0}$	$\varphi_{41,1}$	$\varphi_{42,1}$
$15_1 = \chi_{2,0}$	.	.	.	.	.	.	.	.	.	.
$105_2 = \chi_{4,1}$	.	.	.	.	.	.	.	.	.	.
$1260_1 = \chi_{8,0}$	.	.	.	.	.	.	.	.	.	.
$1365_1 = \chi_{9,0}$	.	.	.	.	.	.	.	.	.	.
$2640_1 = \chi_{12,0}$	.	.	.	.	.	.	.	.	.	.
$3003_2 = \chi_{13,1}$	.	.	.	.	.	.	.	.	.	.
$3432_1 = \chi_{14,0}$	.	.	.	.	.	.	.	.	.	.
$3900_2 = \chi_{16,1}$	.	.	.	.	.	.	.	.	.	.
$6435_1 = \chi_{19,0}$	.	.	.	.	.	.	.	.	.	.
$10752_2 = \chi_{20,1}$	.	.	.	.	.	.	.	.	.	.
$13860_2 = \chi_{24,1}$	.	.	.	.	.	.	.	.	.	.
$18018_2 = \chi_{27,1}$	.	.	.	.	.	.	.	.	.	.
$24960_2 = \chi_{34,1}$	.	.	.	.	.	.	.	.	.	.
$30030_1 = \chi_{35,0}$	1	.	.	.	.	.	.	.	.	.
$36036_1 = \chi_{37,0}$	1	.	.	.	.	.	.	.	.	.
$38220_1 = \chi_{39,0}$	.	1	.	.	.	.	.	.	.	.
$51480_2 = \chi_{43,1}$	.	.	1	.	.	.	.	.	.	.
$60060_2 = \chi_{44,1}$	.	.	1	.	.	.	.	.	.	.
$65520_1 = \chi_{46,0}$	1	1	.	.	.	.	.	.	.	.
$68640_2 = \chi_{47,1}$	.	.	1	.	.	.	.	.	.	.
$69888_1 = \chi_{48,0}$	1	1	.	.	.	.	.	.	.	.
$80640_1 = \chi_{53,0}$	.	.	.	1	.	.	.	.	.	.
$82368_1 = \chi_{54,0}$	.	.	.	1	.	.	.	.	.	.
$85800_2 = \chi_{55,1}$	.	.	.	.	1	.	.	.	.	.
$91728_2 = \chi_{57,1}$	.	.	.	.	.	1	.	.	.	.
$105600_1 = \chi_{59,0}$	.	.	.	.	.	.	1	.	.	.
$114660_2 = \chi_{63,1}$	.	.	.	.	1	.	.	.	.	.
$150150_4 = \chi_{70,1}$	.	.	1	.	.	1	.	.	.	.
$155232_2 = \chi_{71,1}$	.	.	.	.	.	.	.	1	.	.
$173250_2 = \chi_{74,1}$	.	.	.	.	1	1	.	.	.	.
$180180_1 = \chi_{75,0}$	1	1	.	.	.	.	1	.	.	.
$180180_4 = \chi_{76,1}$	.	.	.	1	1	.	.	.	.	.
$194040_1 = \chi_{77,0}$	.	.	.	1	.	.	1	.	.	.
$240240_3 = \chi_{87,0}$	1	.	.	.	.	.	.	.	1	.
$262080_2 = \chi_{88,1}$	.	.	1	.	1	1	.	.	.	.
$300300_1 = \chi_{93,0}$	1	.	.	.	.	.	1	1	.	.
$336336_2 = \chi_{97,1}$	.	.	1	1	1	1	.	.	.	.
$337920_2 = \chi_{98,1}$	.	.	.	.	1	1	.	1	.	.
$360360_2 = \chi_{99,1}$	.	.	.	.	1	1	.	1	.	.
$360360_3 = \chi_{100,0}$	.	.	.	.	.	1	1	1	.	.

(Block 2:)	$\varphi_{2,1}$	$\varphi_{4,0}$	$\varphi_{7,1}$	$\varphi_{8,1}$	$\varphi_{11,0}$	$\varphi_{13,1}$	$\varphi_{14,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{22,0}$
$411840_1 = \chi_{101,0}$	2	1	.	.	1	1	1	1	.	.
$429000_1 = \chi_{103,0}$	2	.	1	1	.	1	.	1	.	.
$480480_1 = \chi_{108,0}$	2	1	1	1	.	.	.	1	1	.
$549120_2 = \chi_{112,1}$	2	1	1	1	1	1	.	1	1	1
$559104_1 = \chi_{113,0}$	1	2	.	.	.	.	1	.	1	.
$600600_2 = \chi_{115,1}$	1	2	.	.	1	.	.	1	1	.
$630630_1 = \chi_{116,0}$	2	2	.	.	1	.	1	1	1	.
$630630_3 = \chi_{117,0}$	2	.	.	.	.	.	.	1	.	.
$698880_1 = \chi_{121,0}$	4	1	1	1	.	1	.	1	.	.
$819000_1 = \chi_{122,0}$	2	2	1	.	1	.	1	1	1	.
$1153152_1 = \chi_{123,0}$	4	2	1	2	1	1	1	2	1	.

(Block 2:)	$\varphi_{25,1}$	$\varphi_{27,1}$	$\varphi_{29,0}$	$\varphi_{32,1}$	$\varphi_{33,0}$	$\varphi_{36,0}$	$\varphi_{38,1}$	$\varphi_{40,0}$	$\varphi_{41,1}$	$\varphi_{42,1}$
$411840_1 = \chi_{101,0}$	1	.	.	1	1	.	.	.	1	.
$429000_1 = \chi_{103,0}$	1	.	.	1	.	.	1	.	1	.
$480480_1 = \chi_{108,0}$	.	1	.	.	.	1	.	.	.	1
$549120_2 = \chi_{112,1}$	.	.	.	1	1	1	1	1	.	.
$559104_1 = \chi_{113,0}$	.	.	.	.	.	.	.	.	1	1
$600600_2 = \chi_{115,1}$	.	.	.	.	.	1	.	1	.	1
$630630_1 = \chi_{116,0}$	1	1	.	.	.	.	.	.	1	1
$630630_3 = \chi_{117,0}$	.	.	.	1	.	.	.	.	1	1
$698880_1 = \chi_{121,0}$	1	1	.	1	.	.	.	.	1	1
$819000_1 = \chi_{122,0}$	.	.	.	1	1	1	.	.	1	1
$1153152_1 = \chi_{123,0}$	1	1	.	1	1	1	1	1	1	1

$$\begin{array}{ll}
\varphi_{2,1} = 15_2 & \varphi_{25,1} = 26493_2 \\
\varphi_{4,0} = 105_1 & \varphi_{27,1} = 35580_2 \\
\varphi_{7,1} = 1260_2 & \varphi_{29,0} = 43665_1 \\
\varphi_{8,1} = 1365_2 & \varphi_{32,1} = 75933_2 \\
\varphi_{11,0} = 3003_1 & \varphi_{33,0} = 82797_1 \\
\varphi_{13,1} = 3417_2 & \varphi_{36,0} = 90453_1 \\
\varphi_{14,0} = 3795_1 & \varphi_{38,1} = 104235_2 \\
\varphi_{16,1} = 6435_2 & \varphi_{40,0} = 155232_1 \\
\varphi_{17,0} = 6852_1 & \varphi_{41,1} = 209832_2 \\
\varphi_{22,0} = 18003_1 & \varphi_{42,1} = 338400_2
\end{array}$$

Block 3:	$\varphi_{2,0}$	$\varphi_{4,1}$	$\varphi_{7,0}$	$\varphi_{8,0}$	$\varphi_{11,1}$	$\varphi_{13,0}$	$\varphi_{14,1}$	$\varphi_{16,0}$	$\varphi_{17,1}$	$\varphi_{22,1}$
$15_2 = \chi_{2,1}$	1	.	.	.	.	.	.	.	.	.
$105_1 = \chi_{4,0}$	.	1	.	.	.	.	.	.	.	.
$1260_2 = \chi_{8,1}$	.	.	1	.	.	.	.	.	.	.
$1365_2 = \chi_{9,1}$	.	.	.	1	.	.	.	.	.	.
$2640_2 = \chi_{12,1}$	1	.	1	1	.	.	.	.	.	.
$3003_1 = \chi_{13,0}$	.	.	.	.	1	.	.	.	.	.
$3432_2 = \chi_{14,1}$	1	.	.	.	.	1	.	.	.	.
$3900_1 = \chi_{16,0}$	.	1	.	.	.	.	1	.	.	.
$6435_2 = \chi_{19,1}$	.	.	.	.	.	.	.	1	.	.
$10752_1 = \chi_{20,0}$	.	1	.	.	.	.	1	.	1	.
$13860_1 = \chi_{24,0}$	.	2	.	.	1	.	1	.	1	.
$18018_1 = \chi_{27,0}$	1	.	.	.	.	.	.	.	.	1
$24960_1 = \chi_{34,0}$	.	1	.	.	.	.	.	.	1	1
$30030_2 = \chi_{35,1}$	1	1	.	.	.	1	.	.	.	.
$36036_2 = \chi_{37,1}$	.	1	.	.	1	.	.	1	.	.
$38220_2 = \chi_{39,1}$	1	.	1	1	.	.	.	.	.	.
$51480_1 = \chi_{43,0}$	1	.	.	1	.	.	.	1	.	.
$60060_1 = \chi_{44,0}$	.	1	.	.	1	.	.	1	1	.
$65520_2 = \chi_{46,1}$	2	.	.	.	.	1	.	.	.	.
$68640_1 = \chi_{47,0}$	1	1	.	.	.	.	.	.	1	1
$69888_2 = \chi_{48,1}$	1	.	.	1	.	.	.	1	.	.
$80640_2 = \chi_{53,1}$	2	.	1	.	.	1	.	.	.	.
$82368_2 = \chi_{54,1}$	.	.	.	.	.	.	.	1	.	.
$85800_1 = \chi_{55,0}$	.	.	.	.	1	.	.	.	.	.
$91728_1 = \chi_{57,0}$	1	.	1	.	.	.	.	.	.	.
$105600_2 = \chi_{59,1}$	.	.	.	1	.	.	.	.	.	.
$114660_1 = \chi_{63,0}$	.	2	.	.	1	.	1	.	1	1
$150150_3 = \chi_{70,0}$	1	1	1	1	.	.	.	1	1	.
$155232_1 = \chi_{71,0}$	.	.	.	.	.	.	.	.	.	.
$173250_1 = \chi_{74,0}$	.	.	.	.	.	.	.	.	.	.
$180180_2 = \chi_{75,1}$	2	.	1	2	.	1	.	1	.	.
$180180_3 = \chi_{76,0}$	2	.	.	.	.	1	.	.	.	1
$194040_2 = \chi_{77,1}$	2	.	1	2	.	1	.	1	.	.
$240240_4 = \chi_{87,1}$	1	1	.	.	.	.	1	.	.	.
$262080_1 = \chi_{88,0}$	1	2	.	.	1	.	1	1	2	1
$300300_2 = \chi_{93,1}$	1	1	.	1	1	1	.	1	.	.
$336336_1 = \chi_{97,0}$	2	1	1	1	1	.	.	2	1	1
$337920_1 = \chi_{98,0}$	.	.	.	.	1	.	.	1	.	.
$360360_1 = \chi_{99,0}$	1	2	.	.	1	.	1	.	1	1
$360360_4 = \chi_{100,1}$	1	.	1	2	.	.	.	1	.	.

(Block 3:)	$\varphi_{25,0}$	$\varphi_{27,0}$	$\varphi_{29,1}$	$\varphi_{32,0}$	$\varphi_{33,1}$	$\varphi_{36,1}$	$\varphi_{38,0}$	$\varphi_{40,1}$	$\varphi_{41,0}$	$\varphi_{42,0}$
$15_2 = \chi_{2,1}$	.	.	.	.	.	.	.	.	.	.
$105_1 = \chi_{4,0}$	.	.	.	.	.	.	.	.	.	.
$1260_2 = \chi_{8,1}$	.	.	.	.	.	.	.	.	.	.
$1365_2 = \chi_{9,1}$	.	.	.	.	.	.	.	.	.	.
$2640_2 = \chi_{12,1}$	.	.	.	.	.	.	.	.	.	.
$3003_1 = \chi_{13,0}$	.	.	.	.	.	.	.	.	.	.
$3432_2 = \chi_{14,1}$	.	.	.	.	.	.	.	.	.	.
$3900_1 = \chi_{16,0}$	.	.	.	.	.	.	.	.	.	.
$6435_2 = \chi_{19,1}$	.	.	.	.	.	.	.	.	.	.
$10752_1 = \chi_{20,0}$	.	.	.	.	.	.	.	.	.	.
$13860_1 = \chi_{24,0}$	.	.	.	.	.	.	.	.	.	.
$18018_1 = \chi_{27,0}$	.	.	.	.	.	.	.	.	.	.
$24960_1 = \chi_{34,0}$	.	.	.	.	.	.	.	.	.	.
$30030_2 = \chi_{35,1}$	1	.	.	.	.	.	.	.	.	.
$36036_2 = \chi_{37,1}$	1	.	.	.	.	.	.	.	.	.
$38220_2 = \chi_{39,1}$	.	1	.	.	.	.	.	.	.	.
$51480_1 = \chi_{43,0}$	.	.	1	.	.	.	.	.	.	.
$60060_1 = \chi_{44,0}$	.	.	1	.	.	.	.	.	.	.
$65520_2 = \chi_{46,1}$	1	1	.	.	.	.	.	.	.	.
$68640_1 = \chi_{47,0}$	.	.	1	.	.	.	.	.	.	.
$69888_2 = \chi_{48,1}$	1	1	.	.	.	.	.	.	.	.
$80640_2 = \chi_{53,1}$	.	.	.	1	.	.	.	.	.	.
$82368_2 = \chi_{54,1}$	.	.	.	1	.	.	.	.	.	.
$85800_1 = \chi_{55,0}$	.	.	.	.	1	.	.	.	.	.
$91728_1 = \chi_{57,0}$	.	.	.	.	.	1	.	.	.	.
$105600_2 = \chi_{59,1}$	.	.	.	.	.	.	1	.	.	.
$114660_1 = \chi_{63,0}$	.	.	.	.	1	.	.	.	.	.
$150150_3 = \chi_{70,0}$	.	.	1	.	.	1	.	.	.	.
$155232_1 = \chi_{71,0}$	.	.	.	.	.	.	.	1	.	.
$173250_1 = \chi_{74,0}$	.	.	.	.	1	1	.	.	.	.
$180180_2 = \chi_{75,1}$	1	1	.	.	.	.	1	.	.	.
$180180_3 = \chi_{76,0}$	.	.	.	1	1	.	.	.	.	.
$194040_2 = \chi_{77,1}$	.	.	.	1	.	.	1	.	.	.
$240240_4 = \chi_{87,1}$	1	.	.	.	.	.	.	.	1	.
$262080_1 = \chi_{88,0}$	.	.	1	.	1	1	.	.	.	.
$300300_2 = \chi_{93,1}$	1	.	.	.	.	.	1	1	.	.
$336336_1 = \chi_{97,0}$	.	.	1	1	1	1	.	.	.	.
$337920_1 = \chi_{98,0}$	.	.	.	.	1	1	.	1	.	.
$360360_1 = \chi_{99,0}$	.	.	.	.	1	1	.	1	.	.
$360360_4 = \chi_{100,1}$	.	.	.	.	.	1	1	1	.	.

(Block 3:)	$\varphi_{2,0}$	$\varphi_{4,1}$	$\varphi_{7,0}$	$\varphi_{8,0}$	$\varphi_{11,1}$	$\varphi_{13,0}$	$\varphi_{14,1}$	$\varphi_{16,0}$	$\varphi_{17,1}$	$\varphi_{22,1}$
$411840_2 = \chi_{101,1}$	2	1	.	.	1	1	1	1	.	.
$429000_2 = \chi_{103,1}$	2	.	1	1	.	1	.	1	.	.
$480480_2 = \chi_{108,1}$	2	1	1	1	.	.	.	1	1	.
$549120_1 = \chi_{112,0}$	2	1	1	1	1	1	.	1	1	1
$559104_2 = \chi_{113,1}$	1	2	.	.	.	.	1	.	1	.
$600600_1 = \chi_{115,0}$	1	2	.	.	1	.	.	1	1	.
$630630_2 = \chi_{116,1}$	2	2	.	.	1	.	1	1	1	.
$630630_4 = \chi_{117,1}$	2	.	.	.	.	.	.	1	.	.
$698880_2 = \chi_{121,1}$	4	1	1	1	.	1	.	1	.	.
$819000_2 = \chi_{122,1}$	2	2	1	.	1	.	1	1	1	.
$1153152_2 = \chi_{123,1}$	4	2	1	2	1	1	1	2	1	.

(Block 3:)	$\varphi_{25,0}$	$\varphi_{27,0}$	$\varphi_{29,1}$	$\varphi_{32,0}$	$\varphi_{33,1}$	$\varphi_{36,1}$	$\varphi_{38,0}$	$\varphi_{40,1}$	$\varphi_{41,0}$	$\varphi_{42,0}$
$411840_2 = \chi_{101,1}$	1	.	.	1	1	.	.	.	1	.
$429000_2 = \chi_{103,1}$	1	.	.	1	.	.	1	.	1	.
$480480_2 = \chi_{108,1}$	.	1	.	.	.	1	.	.	.	1
$549120_1 = \chi_{112,0}$	.	.	.	1	1	1	1	1	.	.
$559104_2 = \chi_{113,1}$	.	.	.	.	.	.	.	.	1	1
$600600_1 = \chi_{115,0}$	.	.	.	.	.	1	.	1	.	1
$630630_2 = \chi_{116,1}$	1	1	.	.	.	.	.	.	1	1
$630630_4 = \chi_{117,1}$	.	.	.	1	.	.	.	.	1	1
$698880_2 = \chi_{121,1}$	1	1	.	1	.	.	.	.	1	1
$819000_2 = \chi_{122,1}$	.	.	.	1	1	1	.	.	1	1
$1153152_2 = \chi_{123,1}$	1	1	.	1	1	1	1	1	1	1

$$\begin{array}{ll}
\varphi_{2,0} = 15_1 & \varphi_{25,0} = 26493_1 \\
\varphi_{4,1} = 105_2 & \varphi_{27,0} = 35580_1 \\
\varphi_{7,0} = 1260_1 & \varphi_{29,1} = 43665_2 \\
\varphi_{8,0} = 1365_1 & \varphi_{32,0} = 75933_1 \\
\varphi_{11,1} = 3003_2 & \varphi_{33,1} = 82797_2 \\
\varphi_{13,0} = 3417_1 & \varphi_{36,1} = 90453_2 \\
\varphi_{14,1} = 3795_2 & \varphi_{38,0} = 104235_1 \\
\varphi_{16,0} = 6435_1 & \varphi_{40,1} = 155232_2 \\
\varphi_{17,1} = 6852_2 & \varphi_{41,0} = 209832_1 \\
\varphi_{22,1} = 18003_2 & \varphi_{42,0} = 338400_1
\end{array}$$

Block 4:	$\varphi_{21,1}$	$\varphi_{28,0}$	$\varphi_{31,1}$	$\varphi_{39,1}$	$\varphi_{46,0}$	
$16848_1 = \chi_{26,0}$	1	.	.	.	.	
$42120_2 = \chi_{40,1}$	.	1	.	.	.	$\varphi_{21,1} = 16848_2$
$73710_1 = \chi_{51,0}$	.	.	1	.	.	$\varphi_{28,0} = 42120_1$
$115830_1 = \chi_{64,0}$	.	.	.	1	.	$\varphi_{31,1} = 73710_2$
$206388_1 = \chi_{83,0}$	1	.	1	1	.	$\varphi_{39,1} = 115830_2$
$231660_1 = \chi_{85,0}$	.	1	1	1	.	$\varphi_{46,0} = 515970_1$
$515970_2 = \chi_{111,1}$	.	.	.	.	1	
$648648_2 = \chi_{119,1}$	1	.	.	1	1	
$673920_2 = \chi_{120,1}$	.	1	.	1	1	

Block 5:	$\varphi_{21,0}$	$\varphi_{28,1}$	$\varphi_{31,0}$	$\varphi_{39,0}$	$\varphi_{46,1}$	
$16848_2 = \chi_{26,1}$	1	.	.	.	.	
$42120_1 = \chi_{40,0}$	.	1	.	.	.	$\varphi_{21,0} = 16848_1$
$73710_2 = \chi_{51,1}$	.	.	1	.	.	$\varphi_{28,1} = 42120_2$
$115830_2 = \chi_{64,1}$	.	.	.	1	.	$\varphi_{31,0} = 73710_1$
$206388_2 = \chi_{83,1}$	1	.	1	1	.	$\varphi_{39,0} = 115830_1$
$231660_2 = \chi_{85,1}$	.	1	1	1	.	$\varphi_{46,1} = 515970_2$
$515970_1 = \chi_{111,0}$	.	.	.	.	1	
$648648_1 = \chi_{119,0}$	1	.	.	1	1	
$673920_1 = \chi_{120,0}$	.	1	.	1	1	