

$A_{16}.2 \pmod{5}$

	blocks	defect	matrix
$G :$	1	3	65×40
	2	2	20×14
	3	2	20×14
	4	2	20×14
	5	2	20×14
	6	2	20×14
	7	2	20×14
	8	1	5×4
	9	1	5×4
	10	1	5×4
	11	1	5×4
	12	1	5×4
	13	1	5×4
	14	0	$71500_1 = \chi_{49,0}, \varphi_{49,0}$
	15	0	$71500_2 = \chi_{49,1}, \varphi_{49,1}$

	blocks	defect	matrix
	16	0	$173250_1 = \chi_{74,0}, \varphi_{67,0}$
	17	0	$173250_2 = \chi_{74,1}, \varphi_{67,1}$
	18	0	$250250_1 = \chi_{66+}, \varphi_{62+}$
	19	0	$318500_1 = \chi_{95,0}, \varphi_{78,0}$
	20	0	$318500_2 = \chi_{95,1}, \varphi_{78,1}$
	21	0	$404250_1 = \chi_{81+}, \varphi_{71+}$
	22	0	$429000_1 = \chi_{103,0}, \varphi_{81,0}$
	23	0	$429000_2 = \chi_{103,1}, \varphi_{81,1}$
	24	0	$429000_3 = \chi_{104,0}, \varphi_{82,0}$
	25	0	$429000_4 = \chi_{104,1}, \varphi_{82,1}$
	26	0	$500500_1 = \chi_{109,0}, \varphi_{84,0}$
	27	0	$500500_2 = \chi_{109,1}, \varphi_{84,1}$
	28	0	$819000_1 = \chi_{122,0}, \varphi_{85,0}$
	29	0	$819000_2 = \chi_{122,1}, \varphi_{85,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{14,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.
$104_1 = \chi_{3,0}$	1	.	1	.	.	.	.	.	.	.	.
$104_2 = \chi_{3,1}$	.	1	.	1	.	.	.	.	.	.	.
$896_1 = \chi_{7,0}$	.	.	1	.	1	.	.	.	.	.	.
$896_2 = \chi_{7,1}$	.	.	.	1	.	1	.	.	.	.	.
$2548_1 = \chi_{11,0}$	.	.	1	.	.	.	.	.	1	.	.
$2548_2 = \chi_{11,1}$	.	.	.	1	.	.	.	.	.	1	.
$3003_1 = \chi_{13,0}$	.	.	.	.	.	.	.	.	.	.	1
$3003_2 = \chi_{13,1}$	.	.	.	.	.	.	.	.	.	.	.
$3432_1 = \chi_{14,0}$	.	.	.	.	.	.	1	.	1	.	.
$3432_2 = \chi_{14,1}$	.	.	.	.	.	.	.	1	.	1	.
$4004_1 = \chi_{17,0}$	.	.	.	.	1	.	.	.	.	.	.
$4004_2 = \chi_{17,1}$	.	.	.	.	.	1	.	.	.	.	.
$10752_1 = \chi_{20,0}$	1	.	1	.	1	.	.	.	1	.	.
$10752_2 = \chi_{20,1}$	.	1	.	1	.	1	.	.	.	1	.
$11648_1 = \chi_{21,0}$	.	.	.	.	.	.	.	.	.	.	1
$11648_2 = \chi_{21,1}$	.	.	.	.	.	.	.	.	.	.	.
$16848_1 = \chi_{26,0}$	.	.	.	.	1	.	.	.	.	.	.
$16848_2 = \chi_{26,1}$	.	.	.	.	.	1	.	.	.	.	.
$18018_1 = \chi_{27,0}$	.	.	.	.	.	.	1	.	1	.	.
$18018_2 = \chi_{27,1}$	.	.	.	.	.	.	.	1	.	1	.
$24024_1 = \chi_{22+}$	1	1	.	.	.	.	.	.	.	.	.
$24024_2 = \chi_{33,0}$	.	.	.	.	.	.	.	.	.	.	1
$24024_3 = \chi_{33,1}$	.	.	.	.	.	.	.	.	.	.	.
$32032_1 = \chi_{36,0}$	1	.	.	.	.	.	.	.	.	.	.
$32032_2 = \chi_{36,1}$	.	1	.	.	.	.	.	.	.	.	.
$36036_1 = \chi_{37,0}$	.	.	.	.	1	.	.	1	.	.	.
$36036_2 = \chi_{37,1}$	.	.	.	.	.	1	1	.	.	.	.
$36608_1 = \chi_{38,0}$	.	.	.	.	.	.	.	.	.	.	.
$36608_2 = \chi_{38,1}$	.	.	.	.	.	.	.	.	.	.	.
$42042_1 = \chi_{29+}$	.	.	.	.	.	.	.	.	.	.	.
$69888_1 = \chi_{48,0}$	1	.	1	.	.	.	1	.	1	.	.
$69888_2 = \chi_{48,1}$	.	1	.	1	.	.	.	1	.	1	.
$82368_1 = \chi_{54,0}$	.	.	.	.	.	.	.	.	.	.	.
$82368_2 = \chi_{54,1}$	.	.	.	.	.	.	.	.	.	.	.
$91728_1 = \chi_{57,0}$	.	.	.	.	.	.	.	.	.	.	.
$91728_2 = \chi_{57,1}$	.	.	.	.	.	.	.	.	.	.	.
$112112_1 = \chi_{60,0}$	.	.	1	.	1	.	1	.	1	.	.
$112112_2 = \chi_{60,1}$	.	.	.	1	.	1	.	1	.	1	.

(Block 1:)	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{20,0}$	$\varphi_{20,1}$	$\varphi_{22,0}$	$\varphi_{22,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{26,0}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.	.
$104_1 = \chi_{3,0}$	.	.	.	.	.	.	.	.	.	.
$104_2 = \chi_{3,1}$	.	.	.	.	.	.	.	.	.	.
$896_1 = \chi_{7,0}$	.	.	.	.	.	.	.	.	.	.
$896_2 = \chi_{7,1}$	.	.	.	.	.	.	.	.	.	.
$2548_1 = \chi_{11,0}$	.	.	.	.	.	.	.	.	.	.
$2548_2 = \chi_{11,1}$	.	.	.	.	.	.	.	.	.	.
$3003_1 = \chi_{13,0}$	.	.	.	.	.	.	.	.	.	.
$3003_2 = \chi_{13,1}$	1	.	.	.	.	.	.	.	.	.
$3432_1 = \chi_{14,0}$	.	.	.	.	.	.	.	.	.	.
$3432_2 = \chi_{14,1}$	.	.	.	.	.	.	.	.	.	.
$4004_1 = \chi_{17,0}$	.	1	.	.	.	.	.	.	.	.
$4004_2 = \chi_{17,1}$	.	.	1	.	.	.	.	.	.	.
$10752_1 = \chi_{20,0}$	.	.	.	.	.	.	.	1	.	.
$10752_2 = \chi_{20,1}$	.	.	.	.	.	.	.	.	1	.
$11648_1 = \chi_{21,0}$	.	1	.	1	.	.	.	.	.	.
$11648_2 = \chi_{21,1}$	1	.	1	.	1	.	.	.	.	.
$16848_1 = \chi_{26,0}$	.	1	.	1	.	.	.	1	.	.
$16848_2 = \chi_{26,1}$	.	.	1	.	1	.	.	.	1	.
$18018_1 = \chi_{27,0}$	.	.	.	.	.	1	.	1	.	.
$18018_2 = \chi_{27,1}$	.	.	.	.	.	.	1	.	1	.
$24024_1 = \chi_{22+}$	.	.	.	.	.	.	.	.	.	1
$24024_2 = \chi_{33,0}$	.	.	.	1	.	.	.	.	.	.
$24024_3 = \chi_{33,1}$	1	.	.	.	1	.	.	.	.	.
$32032_1 = \chi_{36,0}$	.	.	.	1	.	1	.	1	.	1
$32032_2 = \chi_{36,1}$	.	.	.	.	1	.	1	.	1	.
$36036_1 = \chi_{37,0}$	.	.	.	.	.	.	.	.	.	.
$36036_2 = \chi_{37,1}$	.	.	.	.	.	.	.	.	.	.
$36608_1 = \chi_{38,0}$	.	.	.	.	.	.	.	.	.	.
$36608_2 = \chi_{38,1}$	.	.	.	.	.	.	.	.	.	.
$42042_1 = \chi_{29+}$	.	.	.	.	.	.	.	.	.	.
$69888_1 = \chi_{48,0}$	.	.	.	.	.	.	.	1	.	.
$69888_2 = \chi_{48,1}$	.	.	.	.	.	.	.	.	1	.
$82368_1 = \chi_{54,0}$	.	.	.	1	.	.	.	.	.	.
$82368_2 = \chi_{54,1}$	.	.	.	.	1	.	.	.	.	.
$91728_1 = \chi_{57,0}$	.	.	.	1	.	.	.	.	.	1
$91728_2 = \chi_{57,1}$	.	.	.	.	1	.	.	.	.	.
$112112_1 = \chi_{60,0}$	.	.	.	.	.	1	.	1	.	.
$112112_2 = \chi_{60,1}$	.	.	.	.	.	.	1	.	1	.

(Block 1:)	$\varphi_{26,1}$	$\varphi_{28,0}$	$\varphi_{28,1}$	$\varphi_{31,0}$	$\varphi_{31,1}$	$\varphi_{35,0}$	$\varphi_{35,1}$	$\varphi_{38,0}$	$\varphi_{38,1}$	$\varphi_{46,0}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.	.
$104_1 = \chi_{3,0}$	.	.	.	.	.	.	.	.	.	.
$104_2 = \chi_{3,1}$	.	.	.	.	.	.	.	.	.	.
$896_1 = \chi_{7,0}$	.	.	.	.	.	.	.	.	.	.
$896_2 = \chi_{7,1}$	.	.	.	.	.	.	.	.	.	.
$2548_1 = \chi_{11,0}$	.	.	.	.	.	.	.	.	.	.
$2548_2 = \chi_{11,1}$	.	.	.	.	.	.	.	.	.	.
$3003_1 = \chi_{13,0}$	.	.	.	.	.	.	.	.	.	.
$3003_2 = \chi_{13,1}$	.	.	.	.	.	.	.	.	.	.
$3432_1 = \chi_{14,0}$	.	.	.	.	.	.	.	.	.	.
$3432_2 = \chi_{14,1}$	.	.	.	.	.	.	.	.	.	.
$4004_1 = \chi_{17,0}$	.	.	.	.	.	.	.	.	.	.
$4004_2 = \chi_{17,1}$	.	.	.	.	.	.	.	.	.	.
$10752_1 = \chi_{20,0}$	.	.	.	.	.	.	.	.	.	.
$10752_2 = \chi_{20,1}$	.	.	.	.	.	.	.	.	.	.
$11648_1 = \chi_{21,0}$	.	.	.	.	.	.	.	.	.	.
$11648_2 = \chi_{21,1}$	.	.	.	.	.	.	.	.	.	.
$16848_1 = \chi_{26,0}$	.	.	.	.	.	.	.	.	.	.
$16848_2 = \chi_{26,1}$	.	.	.	.	.	.	.	.	.	.
$18018_1 = \chi_{27,0}$	.	.	.	.	.	.	.	.	.	.
$18018_2 = \chi_{27,1}$	.	.	.	.	.	.	.	.	.	.
$24024_1 = \chi_{22+}$	1	.	.	.	.	.	.	.	.	.
$24024_2 = \chi_{33,0}$	.	1	.	.	.	.	.	.	.	.
$24024_3 = \chi_{33,1}$	.	.	1	.	.	.	.	.	.	.
$32032_1 = \chi_{36,0}$	.	.	.	.	.	.	.	.	.	.
$32032_2 = \chi_{36,1}$	1	.	.	.	.	.	.	.	.	.
$36036_1 = \chi_{37,0}$	.	.	.	.	.	1	.	.	.	.
$36036_2 = \chi_{37,1}$	.	.	.	.	.	.	1	.	.	.
$36608_1 = \chi_{38,0}$	.	1	.	1	.	.	.	.	.	.
$36608_2 = \chi_{38,1}$	.	.	1	.	1	.	.	.	.	.
$42042_1 = \chi_{29+}$	.	.	.	1	1	.	.	.	.	.
$69888_1 = \chi_{48,0}$	.	.	.	.	.	.	.	.	.	.
$69888_2 = \chi_{48,1}$	.	.	.	.	.	.	.	.	.	.
$82368_1 = \chi_{54,0}$	.	1	.	1	.	.	.	1	.	.
$82368_2 = \chi_{54,1}$	.	.	1	.	1	.	.	.	1	.
$91728_1 = \chi_{57,0}$	.	1	.	.	.	.	.	.	.	1
$91728_2 = \chi_{57,1}$	1	.	1	.	.	.	.	.	.	.
$112112_1 = \chi_{60,0}$	.	.	.	.	.	1	.	.	.	.
$112112_2 = \chi_{60,1}$	.	.	.	.	.	.	1	.	.	.

(Block 1:)	$\varphi_{46,1}$	$\varphi_{47,0}$	$\varphi_{47,1}$	$\varphi_{51,0}$	$\varphi_{51,1}$	$\varphi_{76,0}$	$\varphi_{76,1}$	$\varphi_{79,0}$	$\varphi_{79,1}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.
$104_1 = \chi_{3,0}$	.	.	.	.	.	.	.	.	.
$104_2 = \chi_{3,1}$	.	.	.	.	.	.	.	.	.
$896_1 = \chi_{7,0}$	.	.	.	.	.	.	.	.	.
$896_2 = \chi_{7,1}$	.	.	.	.	.	.	.	.	.
$2548_1 = \chi_{11,0}$	.	.	.	.	.	.	.	.	.
$2548_2 = \chi_{11,1}$	.	.	.	.	.	.	.	.	.
$3003_1 = \chi_{13,0}$	.	.	.	.	.	.	.	.	.
$3003_2 = \chi_{13,1}$	.	.	.	.	.	.	.	.	.
$3432_1 = \chi_{14,0}$	.	.	.	.	.	.	.	.	.
$3432_2 = \chi_{14,1}$	.	.	.	.	.	.	.	.	.
$4004_1 = \chi_{17,0}$	.	.	.	.	.	.	.	.	.
$4004_2 = \chi_{17,1}$	.	.	.	.	.	.	.	.	.
$10752_1 = \chi_{20,0}$	.	.	.	.	.	.	.	.	.
$10752_2 = \chi_{20,1}$	.	.	.	.	.	.	.	.	.
$11648_1 = \chi_{21,0}$	.	.	.	.	.	.	.	.	.
$11648_2 = \chi_{21,1}$	.	.	.	.	.	.	.	.	.
$16848_1 = \chi_{26,0}$	.	.	.	.	.	.	.	.	.
$16848_2 = \chi_{26,1}$	.	.	.	.	.	.	.	.	.
$18018_1 = \chi_{27,0}$	.	.	.	.	.	.	.	.	.
$18018_2 = \chi_{27,1}$	.	.	.	.	.	.	.	.	.
$24024_1 = \chi_{22+}$	.	.	.	.	.	.	.	.	.
$24024_2 = \chi_{33,0}$	.	.	.	.	.	.	.	.	.
$24024_3 = \chi_{33,1}$	.	.	.	.	.	.	.	.	.
$32032_1 = \chi_{36,0}$	.	.	.	.	.	.	.	.	.
$32032_2 = \chi_{36,1}$	.	.	.	.	.	.	.	.	.
$36036_1 = \chi_{37,0}$	.	.	.	.	.	.	.	.	.
$36036_2 = \chi_{37,1}$	.	.	.	.	.	.	.	.	.
$36608_1 = \chi_{38,0}$	.	.	.	.	.	.	.	.	.
$36608_2 = \chi_{38,1}$	.	.	.	.	.	.	.	.	.
$42042_1 = \chi_{29+}$	.	.	.	.	.	.	.	.	.
$69888_1 = \chi_{48,0}$	.	1	.	.	.	.	.	.	.
$69888_2 = \chi_{48,1}$	.	.	1	.	.	.	.	.	.
$82368_1 = \chi_{54,0}$	.	.	.	.	.	.	.	.	.
$82368_2 = \chi_{54,1}$	.	.	.	.	.	.	.	.	.
$91728_1 = \chi_{57,0}$	.	.	.	.	.	.	.	.	.
$91728_2 = \chi_{57,1}$	1	.	.	.	.	.	.	.	.
$112112_1 = \chi_{60,0}$	.	1	.	.	.	.	.	.	.
$112112_2 = \chi_{60,1}$	.	.	1	.	.	.	.	.	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{14,0}$
$112112_3 = \chi_{61,0}$	.	.	.	.	.	.	.	.	.	.	.
$112112_4 = \chi_{61,1}$	.	.	.	.	.	.	.	.	.	.	.
$155232_1 = \chi_{71,0}$	.	.	.	.	.	.	.	.	.	.	.
$155232_2 = \chi_{71,1}$	.	.	.	.	.	.	.	.	.	.	.
$168168_1 = \chi_{72,0}$	.	.	.	.	.	.	.	.	.	.	.
$168168_2 = \chi_{72,1}$	.	.	.	.	.	.	.	.	.	.	.
$206388_1 = \chi_{83,0}$	.	.	.	.	.	.	.	.	.	.	.
$206388_2 = \chi_{83,1}$	.	.	.	.	.	.	.	.	.	.	.
$292864_1 = \chi_{92,0}$	.	.	1	.	1	.	.	1	.	.	.
$292864_2 = \chi_{92,1}$	.	.	.	1	.	1	1	.	.	.	.
$336336_1 = \chi_{97,0}$	1	.	1	.	.	.	.	.	.	.	.
$336336_2 = \chi_{97,1}$	.	1	.	1	.	.	.	.	.	.	.
$416988_1 = \chi_{102,0}$	1	.	1	.	1	.	1	.	.	.	.
$416988_2 = \chi_{102,1}$	.	1	.	1	.	1	.	1	.	.	.
$448448_1 = \chi_{105,0}$	.	.	.	.	.	.	.	1	.	.	.
$448448_2 = \chi_{105,1}$	.	.	.	.	.	.	1	.	.	.	1
$512512_1 = \chi_{110,0}$	.	.	1	.	.	.	1	.	.	.	.
$512512_2 = \chi_{110,1}$	.	.	.	1	.	.	.	1	.	.	.
$559104_1 = \chi_{113,0}$	.	.	.	.	.	.	.	.	.	.	1
$559104_2 = \chi_{113,1}$	.	.	.	.	.	.	.	.	.	.	.
$648648_1 = \chi_{119,0}$	.	.	.	.	.	.	1	.	.	.	1
$648648_2 = \chi_{119,1}$	.	.	.	.	.	.	.	1	.	.	.
$928746_1 = \chi_{106+}$	.	.	.	.	.	.	.	.	.	.	.
$1153152_1 = \chi_{123,0}$	.	.	.	.	.	.	1	1	.	.	.
$1153152_2 = \chi_{123,1}$	.	.	.	.	.	.	1	1	.	.	.

(Block 1:)	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{20,0}$	$\varphi_{20,1}$	$\varphi_{22,0}$	$\varphi_{22,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{26,0}$
$112112_3 = \chi_{61,0}$	.	.	.	1	.	.	.	1	.	.
$112112_4 = \chi_{61,1}$	.	.	.	.	1	.	.	.	1	.
$155232_1 = \chi_{71,0}$	.	.	.	.	.	.	.	.	.	.
$155232_2 = \chi_{71,1}$	.	.	.	.	.	.	.	.	.	.
$168168_1 = \chi_{72,0}$	.	.	.	.	.	.	.	.	.	.
$168168_2 = \chi_{72,1}$	.	.	.	.	.	.	.	.	.	.
$206388_1 = \chi_{83,0}$	.	.	.	.	.	.	.	.	.	.
$206388_2 = \chi_{83,1}$	.	.	.	.	.	.	.	.	.	.
$292864_1 = \chi_{92,0}$	.	1	.	.	.	.	1	.	.	.
$292864_2 = \chi_{92,1}$	.	.	1	.	.	1	.	.	.	.
$336336_1 = \chi_{97,0}$	.	.	.	.	.	.	1	.	.	1
$336336_2 = \chi_{97,1}$	.	.	.	.	.	1	.	.	.	1
$416988_1 = \chi_{102,0}$	.	1	.	1	.	1	.	1	.	1
$416988_2 = \chi_{102,1}$	.	.	1	.	1	.	1	.	1	.
$448448_1 = \chi_{105,0}$	1	.	.	.	.	1	.	.	.	.
$448448_2 = \chi_{105,1}$	.	.	.	.	.	.	1	.	.	.
$512512_1 = \chi_{110,0}$	.	.	.	.	.	.	.	.	.	.
$512512_2 = \chi_{110,1}$	.	.	.	.	.	.	.	.	.	.
$559104_1 = \chi_{113,0}$	.	.	.	1	.	.	.	.	.	1
$559104_2 = \chi_{113,1}$	1	.	.	.	1	.	.	.	.	.
$648648_1 = \chi_{119,0}$	.	1	.	1	.	.	1	.	.	1
$648648_2 = \chi_{119,1}$	1	.	1	.	1	1	.	.	.	.
$928746_1 = \chi_{106+}$	.	.	.	.	.	.	.	.	.	.
$1153152_1 = \chi_{123,0}$	.	.	.	.	.	1	1	.	.	1
$1153152_2 = \chi_{123,1}$	.	.	.	.	.	1	1	.	.	1

(Block 1:)	$\varphi_{26,1}$	$\varphi_{28,0}$	$\varphi_{28,1}$	$\varphi_{31,0}$	$\varphi_{31,1}$	$\varphi_{35,0}$	$\varphi_{35,1}$	$\varphi_{38,0}$	$\varphi_{38,1}$	$\varphi_{46,0}$
$112112_3 = \chi_{61,0}$	.	.	.	.	.	.	.	1	.	.
$112112_4 = \chi_{61,1}$	.	.	.	.	.	.	.	.	1	.
$155232_1 = \chi_{71,0}$	.	.	.	1	1	.	.	1	.	.
$155232_2 = \chi_{71,1}$	.	.	.	1	1	.	.	.	1	.
$168168_1 = \chi_{72,0}$	.	.	1	.	1	.	.	.	.	.
$168168_2 = \chi_{72,1}$	.	1	.	1	.	.	.	.	.	1
$206388_1 = \chi_{83,0}$	.	.	.	.	.	1	.	1	.	.
$206388_2 = \chi_{83,1}$	.	.	.	.	.	.	1	.	1	.
$292864_1 = \chi_{92,0}$	.	.	.	.	.	1	.	.	.	.
$292864_2 = \chi_{92,1}$	.	.	.	.	.	.	1	.	.	.
$336336_1 = \chi_{97,0}$	1	.	.	.	.	.	.	.	.	.
$336336_2 = \chi_{97,1}$	1	.	.	.	.	.	.	.	.	1
$416988_1 = \chi_{102,0}$	.	.	.	.	.	1	.	1	.	.
$416988_2 = \chi_{102,1}$	1	.	.	.	.	.	1	.	1	.
$448448_1 = \chi_{105,0}$	.	.	.	.	.	1	.	.	.	.
$448448_2 = \chi_{105,1}$	.	.	.	.	.	.	1	.	.	.
$512512_1 = \chi_{110,0}$	.	.	.	.	.	1	.	1	.	.
$512512_2 = \chi_{110,1}$	.	.	.	.	.	.	1	.	1	1
$559104_1 = \chi_{113,0}$	.	1	.	1	.	.	.	1	.	1
$559104_2 = \chi_{113,1}$	1	.	1	.	1	.	.	.	1	.
$648648_1 = \chi_{119,0}$	.	.	.	.	.	.	.	1	.	.
$648648_2 = \chi_{119,1}$	1	.	.	.	.	.	.	.	1	.
$928746_1 = \chi_{106+}$	.	.	.	1	1	.	.	1	1	.
$1153152_1 = \chi_{123,0}$	1	.	.	.	.	1	.	1	.	.
$1153152_2 = \chi_{123,1}$	1	.	.	.	.	.	1	.	1	1

(Block 1:)	$\varphi_{46,1}$	$\varphi_{47,0}$	$\varphi_{47,1}$	$\varphi_{51,0}$	$\varphi_{51,1}$	$\varphi_{76,0}$	$\varphi_{76,1}$	$\varphi_{79,0}$	$\varphi_{79,1}$
$112112_3 = \chi_{61,0}$	.	1	.	.	.	.	.	.	.
$112112_4 = \chi_{61,1}$	.	.	1	.	.	.	.	.	.
$155232_1 = \chi_{71,0}$	.	.	.	1	.	.	.	.	.
$155232_2 = \chi_{71,1}$	.	.	.	.	1	.	.	.	.
$168168_1 = \chi_{72,0}$	1	.	.	1	.	.	.	.	.
$168168_2 = \chi_{72,1}$	.	.	.	.	1	.	.	.	.
$206388_1 = \chi_{83,0}$	.	1	.	1	.	.	.	.	.
$206388_2 = \chi_{83,1}$	.	.	1	.	1	.	.	.	.
$292864_1 = \chi_{92,0}$	.	.	.	.	.	1	.	.	.
$292864_2 = \chi_{92,1}$	.	.	.	.	.	.	1	.	.
$336336_1 = \chi_{97,0}$	1	.	.	.	.	1	.	.	.
$336336_2 = \chi_{97,1}$	.	.	.	.	.	.	1	.	.
$416988_1 = \chi_{102,0}$	.	1	.	.	.	1	.	.	.
$416988_2 = \chi_{102,1}$	.	.	1	.	.	.	1	.	.
$448448_1 = \chi_{105,0}$	.	.	.	1	.	.	.	.	1
$448448_2 = \chi_{105,1}$	.	.	.	.	1	.	.	1	.
$512512_1 = \chi_{110,0}$	1	1	.	1	.	1	.	.	.
$512512_2 = \chi_{110,1}$	.	.	1	.	1	.	1	.	.
$559104_1 = \chi_{113,0}$	.	.	.	.	1	.	.	1	.
$559104_2 = \chi_{113,1}$	1	.	.	1	.	.	.	.	1
$648648_1 = \chi_{119,0}$	.	.	.	.	.	1	.	1	.
$648648_2 = \chi_{119,1}$	.	.	.	.	.	.	1	.	1
$928746_1 = \chi_{106+}$	.	.	.	1	1	.	.	1	1
$1153152_1 = \chi_{123,0}$	1	.	.	1	.	1	.	1	1
$1153152_2 = \chi_{123,1}$	.	.	.	.	1	.	1	1	1

(Block 2:)	$\varphi_{58,0}$	$\varphi_{66,1}$	$\varphi_{73,1}$	$\varphi_{77,1}$
$15_1 = \chi_{2,0}$	.	.	.	.
$1365_2 = \chi_{9,1}$	.	.	.	.
$3640_1 = \chi_{15,0}$	.	.	.	.
$5005_1 = \chi_{18,0}$	.	.	.	.
$38220_1 = \chi_{39,0}$	.	.	.	.
$42120_1 = \chi_{40,0}$	.	.	.	.
$45760_2 = \chi_{42,1}$	.	.	.	.
$68640_1 = \chi_{47,0}$	.	.	.	.
$71680_1 = \chi_{50,0}$	.	.	.	.
$116480_2 = \chi_{65,1}$	.	.	.	.
$180180_3 = \chi_{76,0}$	1	.	.	.
$194040_2 = \chi_{77,1}$	.	1	.	.
$210210_1 = \chi_{84,0}$	1	.	.	.
$240240_3 = \chi_{87,0}$	1	.	.	.
$280280_4 = \chi_{91,1}$	.	.	.	1
$305760_2 = \chi_{94,1}$	.	.	1	.
$360360_2 = \chi_{99,1}$	.	1	1	.
$515970_2 = \chi_{111,1}$	.	1	.	1
$549120_2 = \chi_{112,1}$	1	.	.	1
$698880_2 = \chi_{121,1}$	.	1	1	1

$$\begin{aligned}
\varphi_{2,0} &= 15_1 \\
\varphi_{11,1} &= 1365_2 \\
\varphi_{16,0} &= 3640_1 \\
\varphi_{18,0} &= 5005_1 \\
\varphi_{33,0} &= 30435_1 \\
\varphi_{36,0} &= 34565_1 \\
\varphi_{37,0} &= 37115_1 \\
\varphi_{41,1} &= 44395_2 \\
\varphi_{50,1} &= 72085_2 \\
\varphi_{55,0} &= 90040_1 \\
\varphi_{58,0} &= 108080_1 \\
\varphi_{66,1} &= 149645_2 \\
\varphi_{73,1} &= 210715_2 \\
\varphi_{77,1} &= 248480_2
\end{aligned}$$

[illegible]

(Block 3:)	$\varphi_{58,1}$	$\varphi_{66,0}$	$\varphi_{73,0}$	$\varphi_{77,0}$
$15_2 = \chi_{2,1}$	.	.	.	.
$1365_1 = \chi_{9,0}$	.	.	.	.
$3640_2 = \chi_{15,1}$	.	.	.	.
$5005_2 = \chi_{18,1}$	.	.	.	.
$38220_2 = \chi_{39,1}$	.	.	.	.
$42120_2 = \chi_{40,1}$	.	.	.	.
$45760_1 = \chi_{42,0}$	.	.	.	.
$68640_2 = \chi_{47,1}$	.	.	.	.
$71680_2 = \chi_{50,1}$	.	.	.	.
$116480_1 = \chi_{65,0}$	.	.	.	.
$180180_4 = \chi_{76,1}$	1	.	.	.
$194040_1 = \chi_{77,0}$	.	1	.	.
$210210_2 = \chi_{84,1}$	1	.	.	.
$240240_4 = \chi_{87,1}$	1	.	.	.
$280280_3 = \chi_{91,0}$	.	.	.	1
$305760_1 = \chi_{94,0}$	.	.	1	.
$360360_1 = \chi_{99,0}$	.	1	1	.
$515970_1 = \chi_{111,0}$	.	1	.	1
$549120_1 = \chi_{112,0}$	1	.	.	1
$698880_1 = \chi_{121,0}$	.	1	1	1

$$\begin{aligned}
\varphi_{2,1} &= 15_2 \\
\varphi_{11,0} &= 1365_1 \\
\varphi_{16,1} &= 3640_2 \\
\varphi_{18,1} &= 5005_2 \\
\varphi_{33,1} &= 30435_2 \\
\varphi_{36,1} &= 34565_2 \\
\varphi_{37,1} &= 37115_2 \\
\varphi_{41,0} &= 44395_1 \\
\varphi_{50,0} &= 72085_1 \\
\varphi_{55,1} &= 90040_2 \\
\varphi_{58,1} &= 108080_2 \\
\varphi_{66,0} &= 149645_1 \\
\varphi_{73,0} &= 210715_1 \\
\varphi_{77,0} &= 248480_1
\end{aligned}$$

Block 4:	$\varphi_{4,0}$	$\varphi_{6,1}$	$\varphi_{19,0}$	$\varphi_{21,0}$	$\varphi_{30,0}$	$\varphi_{34,1}$	$\varphi_{39,0}$	$\varphi_{40,1}$	$\varphi_{44,1}$	$\varphi_{48,1}$
$105_1 = \chi_{4,0}$	1	.	.	.	.	.	.	.	.	.
$455_2 = \chi_{6,1}$	.	1	.	.	.	.	.	.	.	.
$6435_1 = \chi_{19,0}$	.	.	.	1	.	.	.	.	.	.
$20020_1 = \chi_{28,0}$	1	.	.	.	1	.	.	.	.	.
$24960_1 = \chi_{34,0}$	.	.	1	.	1	.	.	.	.	.
$43120_2 = \chi_{41,1}$	.	1	.	.	.	.	.	1	.	.
$60060_4 = \chi_{45,1}$	.	1	1	.	.	.	.	.	1	.
$65520_1 = \chi_{46,0}$	1	.	1	.	1	.	1	.	.	.
$73710_2 = \chi_{51,1}$	.	.	.	.	.	1	.	1	.	.
$76440_2 = \chi_{52,1}$	.	.	.	1	.	.	.	.	.	1
$80640_1 = \chi_{53,0}$	.	.	.	1	.	.	.	.	.	.
$114660_1 = \chi_{63,0}$	.	.	.	.	.	.	1	.	.	.
$180180_2 = \chi_{75,1}$	.	.	.	.	.	.	.	1	.	.
$231660_1 = \chi_{85,0}$	1	.	.	.	.	1	.	.	.	.
$262080_2 = \chi_{88,1}$	.	.	.	.	.	.	.	.	1	1
$266240_2 = \chi_{89,1}$	.	1	.	.	.	1	.	1	1	.
$320320_1 = \chi_{96,0}$	1	.	1	.	.	.	1	.	.	.
$480480_2 = \chi_{108,1}$	.	.	.	1	.	.	.	.	1	1
$630630_1 = \chi_{116,0}$	.	.	.	1	.	.	.	.	.	.
$640640_1 = \chi_{118,0}$	.	.	1	.	.	1	.	.	1	.

(Block 4:)	$\varphi_{52,0}$	$\varphi_{65,1}$	$\varphi_{70,0}$	$\varphi_{80,0}$	
$105_1 = \chi_{4,0}$	.	.	.	.	$\varphi_{4,0} = 105_1$
$455_2 = \chi_{6,1}$	.	.	.	.	$\varphi_{6,1} = 455_2$
$6435_1 = \chi_{19,0}$	.	.	.	.	$\varphi_{19,0} = 5045_1$
$20020_1 = \chi_{28,0}$	.	.	.	.	$\varphi_{21,0} = 6435_1$
$24960_1 = \chi_{34,0}$	.	.	.	.	$\varphi_{30,0} = 19915_1$
$43120_2 = \chi_{41,1}$	.	.	.	.	$\varphi_{34,1} = 31045_2$
$60060_4 = \chi_{45,1}$	.	.	.	.	$\varphi_{39,0} = 40455_1$
$65520_1 = \chi_{46,0}$	.	.	.	.	$\varphi_{40,1} = 42665_2$
$73710_2 = \chi_{51,1}$	.	.	.	.	$\varphi_{44,1} = 54560_2$
$76440_2 = \chi_{52,1}$	.	.	.	.	$\varphi_{48,1} = 70005_2$
$80640_1 = \chi_{53,0}$	1	.	.	.	$\varphi_{52,0} = 74205_1$
$114660_1 = \chi_{63,0}$	1	.	.	.	$\varphi_{65,1} = 137515_2$
$180180_2 = \chi_{75,1}$	.	1	.	.	$\varphi_{70,0} = 200510_1$
$231660_1 = \chi_{85,0}$	.	.	1	.	$\varphi_{80,0} = 349480_1$
$262080_2 = \chi_{88,1}$	.	1	.	.	
$266240_2 = \chi_{89,1}$	.	1	.	.	
$320320_1 = \chi_{96,0}$	1	.	1	.	
$480480_2 = \chi_{108,1}$	.	.	.	1	
$630630_1 = \chi_{116,0}$	1	.	1	1	
$640640_1 = \chi_{118,0}$	.	.	1	1	

Block 5:	$\varphi_{4,1}$	$\varphi_{6,0}$	$\varphi_{19,1}$	$\varphi_{21,1}$	$\varphi_{30,1}$	$\varphi_{34,0}$	$\varphi_{39,1}$	$\varphi_{40,0}$	$\varphi_{44,0}$	$\varphi_{48,0}$
$105_2 = \chi_{4,1}$	1	.	.	.	.	.	.	.	.	.
$455_1 = \chi_{6,0}$	.	1	.	.	.	.	.	.	.	.
$6435_2 = \chi_{19,1}$	.	.	.	1	.	.	.	.	.	.
$20020_2 = \chi_{28,1}$	1	.	.	.	1	.	.	.	.	.
$24960_2 = \chi_{34,1}$	.	.	1	.	1	.	.	.	.	.
$43120_1 = \chi_{41,0}$	.	1	.	.	.	.	.	1	.	.
$60060_3 = \chi_{45,0}$	.	1	1	.	.	.	.	.	1	.
$65520_2 = \chi_{46,1}$	1	.	1	.	1	.	1	.	.	.
$73710_1 = \chi_{51,0}$	.	.	.	.	.	1	.	1	.	.
$76440_1 = \chi_{52,0}$	.	.	.	1	.	.	.	.	.	1
$80640_2 = \chi_{53,1}$	.	.	.	1	.	.	.	.	.	.
$114660_2 = \chi_{63,1}$	.	.	.	.	.	.	1	.	.	.
$180180_1 = \chi_{75,0}$	.	.	.	.	.	.	.	1	.	.
$231660_2 = \chi_{85,1}$	1	.	.	.	.	1	.	.	.	.
$262080_1 = \chi_{88,0}$	.	.	.	.	.	.	.	.	1	1
$266240_1 = \chi_{89,0}$	.	1	.	.	.	1	.	1	1	.
$320320_2 = \chi_{96,1}$	1	.	1	.	.	.	1	.	.	.
$480480_1 = \chi_{108,0}$	.	.	.	1	.	.	.	.	1	1
$630630_2 = \chi_{116,1}$	.	.	.	1	.	.	.	.	.	.
$640640_2 = \chi_{118,1}$	.	.	1	.	.	1	.	.	1	.

(Block 5:)	$\varphi_{52,1}$	$\varphi_{65,0}$	$\varphi_{70,1}$	$\varphi_{80,1}$	
$105_2 = \chi_{4,1}$	.	.	.	.	$\varphi_{4,1} = 105_2$
$455_1 = \chi_{6,0}$	.	.	.	.	$\varphi_{6,0} = 455_1$
$6435_2 = \chi_{19,1}$	.	.	.	.	$\varphi_{19,1} = 5045_2$
$20020_2 = \chi_{28,1}$	.	.	.	.	$\varphi_{21,1} = 6435_2$
$24960_2 = \chi_{34,1}$	.	.	.	.	$\varphi_{30,1} = 19915_2$
$43120_1 = \chi_{41,0}$	.	.	.	.	$\varphi_{34,0} = 31045_1$
$60060_3 = \chi_{45,0}$	.	.	.	.	$\varphi_{39,1} = 40455_2$
$65520_2 = \chi_{46,1}$	.	.	.	.	$\varphi_{40,0} = 42665_1$
$73710_1 = \chi_{51,0}$	.	.	.	.	$\varphi_{44,0} = 54560_1$
$76440_1 = \chi_{52,0}$	.	.	.	.	$\varphi_{48,0} = 70005_1$
$80640_2 = \chi_{53,1}$	1	.	.	.	$\varphi_{52,1} = 74205_2$
$114660_2 = \chi_{63,1}$	1	.	.	.	$\varphi_{65,0} = 137515_1$
$180180_1 = \chi_{75,0}$	.	1	.	.	$\varphi_{70,1} = 200510_2$
$231660_2 = \chi_{85,1}$	.	.	1	.	$\varphi_{80,1} = 349480_2$
$262080_1 = \chi_{88,0}$	.	1	.	.	
$266240_1 = \chi_{89,0}$	.	1	.	.	
$320320_2 = \chi_{96,1}$	1	.	1	.	
$480480_1 = \chi_{108,0}$	.	.	.	1	
$630630_2 = \chi_{116,1}$	1	.	1	1	
$640640_2 = \chi_{118,1}$	.	.	1	1	

Block 6:	$\varphi_{5,0}$	$\varphi_{7,0}$	$\varphi_{9,0}$	$\varphi_{13,1}$	$\varphi_{24,1}$	$\varphi_{25,1}$	$\varphi_{29,1}$	$\varphi_{43,1}$	$\varphi_{45,0}$	$\varphi_{53,1}$
$440_1 = \chi_{5,0}$	1	.	.	.	.	.	.	.	.	.
$1260_1 = \chi_{8,0}$	1	.	1	.	.	.	.	.	.	.
$1430_1 = \chi_{10,0}$	.	1	1	.	.	.	.	.	.	.
$2640_2 = \chi_{12,1}$	.	.	.	1	.	.	.	.	.	.
$13860_2 = \chi_{24,1}$	.	.	.	1	.	1	.	.	.	.
$21840_2 = \chi_{31,1}$	.	.	.	.	1	1	.	.	.	.
$30030_2 = \chi_{35,1}$	.	.	.	.	.	1	1	.	.	.
$51480_2 = \chi_{43,1}$	.	1	.	1	.	.	.	1	.	.
$60060_1 = \chi_{44,0}$	1	1	1	.	.	.	.	.	1	.
$91520_2 = \chi_{56,1}$	.	.	.	1	1	1	1	1	.	.
$115830_1 = \chi_{64,0}$	.	.	.	.	.	.	.	.	.	.
$140140_2 = \chi_{68,1}$	.	.	.	.	1	.	.	1	.	1
$197120_1 = \chi_{78,0}$	.	.	.	.	.	.	.	.	.	1
$240240_1 = \chi_{86,0}$	1	.	.	.	.	.	.	.	1	.
$280280_1 = \chi_{90,0}$	.	.	.	.	.	.	.	.	1	.
$337920_1 = \chi_{98,0}$	.	.	.	.	.	.	.	.	.	.
$360360_4 = \chi_{100,1}$	.	1	.	.	.	.	1	1	.	1
$411840_1 = \chi_{101,0}$	.	.	.	.	.	.	1	.	.	.
$630630_3 = \chi_{117,0}$	.	.	.	.	.	.	.	.	.	1
$673920_1 = \chi_{120,0}$	.	1	.	.	.	.	.	.	1	.

(Block 6:)	$\varphi_{61,0}$	$\varphi_{68,0}$	$\varphi_{74,0}$	$\varphi_{75,0}$	
$440_1 = \chi_{5,0}$	.	.	.	.	$\varphi_{5,0} = 440_1$
$1260_1 = \chi_{8,0}$	.	.	.	.	$\varphi_{7,0} = 610_1$
$1430_1 = \chi_{10,0}$	.	.	.	.	$\varphi_{9,0} = 820_1$
$2640_2 = \chi_{12,1}$	.	.	.	.	$\varphi_{13,1} = 2640_2$
$13860_2 = \chi_{24,1}$	.	.	.	.	$\varphi_{24,1} = 10620_2$
$21840_2 = \chi_{31,1}$	.	.	.	.	$\varphi_{25,1} = 11220_2$
$30030_2 = \chi_{35,1}$	.	.	.	.	$\varphi_{29,1} = 18810_2$
$51480_2 = \chi_{43,1}$	.	.	.	.	$\varphi_{43,1} = 48230_2$
$60060_1 = \chi_{44,0}$	.	.	.	.	$\varphi_{45,0} = 58190_1$
$91520_2 = \chi_{56,1}$	.	.	.	.	$\varphi_{53,1} = 81290_2$
$115830_1 = \chi_{64,0}$	1	.	.	.	$\varphi_{61,0} = 115830_1$
$140140_2 = \chi_{68,1}$	.	.	.	.	$\varphi_{68,0} = 181610_1$
$197120_1 = \chi_{78,0}$	1	.	.	.	$\varphi_{74,0} = 211420_1$
$240240_1 = \chi_{86,0}$	.	1	.	.	$\varphi_{75,0} = 222090_1$
$280280_1 = \chi_{90,0}$	.	.	.	1	
$337920_1 = \chi_{98,0}$	1	.	.	1	
$360360_4 = \chi_{100,1}$	.	.	1	.	
$411840_1 = \chi_{101,0}$	.	1	1	.	
$630630_3 = \chi_{117,0}$	1	.	1	1	
$673920_1 = \chi_{120,0}$	.	1	1	1	

Block 7:	$\varphi_{5,1}$	$\varphi_{7,1}$	$\varphi_{9,1}$	$\varphi_{13,0}$	$\varphi_{24,0}$	$\varphi_{25,0}$	$\varphi_{29,0}$	$\varphi_{43,0}$	$\varphi_{45,1}$	$\varphi_{53,0}$
$440_2 = \chi_{5,1}$	1	.	.	.	.	.	.	.	.	.
$1260_2 = \chi_{8,1}$	1	.	1	.	.	.	.	.	.	.
$1430_2 = \chi_{10,1}$	.	1	1	.	.	.	.	.	.	.
$2640_1 = \chi_{12,0}$	.	.	.	1	.	.	.	.	.	.
$13860_1 = \chi_{24,0}$	.	.	.	1	.	1	.	.	.	.
$21840_1 = \chi_{31,0}$	.	.	.	.	1	1	.	.	.	.
$30030_1 = \chi_{35,0}$	.	.	.	.	.	1	1	.	.	.
$51480_1 = \chi_{43,0}$	.	1	.	1	.	.	.	1	.	.
$60060_2 = \chi_{44,1}$	1	1	1	.	.	.	.	.	1	.
$91520_1 = \chi_{56,0}$	.	.	.	1	1	1	1	1	.	.
$115830_2 = \chi_{64,1}$	.	.	.	.	.	.	.	.	.	.
$140140_1 = \chi_{68,0}$	.	.	.	.	1	.	.	1	.	1
$197120_2 = \chi_{78,1}$	.	.	.	.	.	.	.	.	.	1
$240240_2 = \chi_{86,1}$	1	.	.	.	.	.	.	.	1	.
$280280_2 = \chi_{90,1}$	.	.	.	.	.	.	.	.	1	.
$337920_2 = \chi_{98,1}$	.	.	.	.	.	.	.	.	.	.
$360360_3 = \chi_{100,0}$	.	1	.	.	.	.	1	1	.	1
$411840_2 = \chi_{101,1}$	.	.	.	.	.	.	1	.	.	.
$630630_4 = \chi_{117,1}$	.	.	.	.	.	.	.	.	.	1
$673920_2 = \chi_{120,1}$	.	1	.	.	.	.	.	.	1	.

(Block 7:)	$\varphi_{61,1}$	$\varphi_{68,1}$	$\varphi_{74,1}$	$\varphi_{75,1}$	
$440_2 = \chi_{5,1}$	.	.	.	.	
$1260_2 = \chi_{8,1}$	.	.	.	.	
$1430_2 = \chi_{10,1}$	.	.	.	.	$\varphi_{5,1} = 440_2$
$2640_1 = \chi_{12,0}$	.	.	.	.	$\varphi_{7,1} = 610_2$
$13860_1 = \chi_{24,0}$	.	.	.	.	$\varphi_{9,1} = 820_2$
$21840_1 = \chi_{31,0}$	.	.	.	.	$\varphi_{13,0} = 2640_1$
$30030_1 = \chi_{35,0}$	.	.	.	.	$\varphi_{24,0} = 10620_1$
$51480_1 = \chi_{43,0}$	.	.	.	.	$\varphi_{25,0} = 11220_1$
$60060_2 = \chi_{44,1}$	.	.	.	.	$\varphi_{29,0} = 18810_1$
$91520_1 = \chi_{56,0}$	.	.	.	.	$\varphi_{43,0} = 48230_1$
$115830_2 = \chi_{64,1}$	1	.	.	.	$\varphi_{45,1} = 58190_2$
$140140_1 = \chi_{68,0}$	.	.	.	.	$\varphi_{53,0} = 81290_1$
$197120_2 = \chi_{78,1}$	1	.	.	.	$\varphi_{61,1} = 115830_2$
$240240_2 = \chi_{86,1}$	.	1	.	.	$\varphi_{68,1} = 181610_2$
$280280_2 = \chi_{90,1}$	.	.	.	1	$\varphi_{74,1} = 211420_2$
$337920_2 = \chi_{98,1}$	1	.	.	1	$\varphi_{75,1} = 222090_2$
$360360_3 = \chi_{100,0}$	.	.	1	.	
$411840_2 = \chi_{101,1}$	.	1	1	.	
$630630_4 = \chi_{117,1}$	1	.	1	1	
$673920_2 = \chi_{120,1}$	.	1	1	1	

Block 8:	$\varphi_{17,0}$	$\varphi_{56,0}$	$\varphi_{59,1}$	$\varphi_{83,0}$	
$3900_1 = \chi_{16,0}$	1	.	.	.	$\varphi_{17,0} = 3900_1$
$100100_1 = \chi_{58,0}$	1	1	.	.	$\varphi_{56,0} = 96200_1$
$114400_2 = \chi_{62,1}$	.	.	1	.	$\varphi_{59,1} = 114400_4$
$582400_1 = \chi_{114,0}$	.	1	.	1	$\varphi_{83,0} = 486200_1$
$600600_1 = \chi_{115,0}$	.	.	1	1	

Block 9:	$\varphi_{17,1}$	$\varphi_{56,1}$	$\varphi_{59,0}$	$\varphi_{83,1}$	
$3900_2 = \chi_{16,1}$	1	.	.	.	$\varphi_{17,1} = 3900_2$
$100100_2 = \chi_{58,1}$	1	1	.	.	$\varphi_{56,1} = 96200_2$
$114400_1 = \chi_{62,0}$	.	.	1	.	$\varphi_{59,0} = 114400_1$
$582400_2 = \chi_{114,1}$	.	1	.	1	$\varphi_{83,1} = 486200_2$
$600600_2 = \chi_{115,1}$	.	.	1	1	

Block 10:	$\varphi_{27,0}$	$\varphi_{54,1}$	$\varphi_{60,1}$	$\varphi_{69,0}$	
$14300_1 = \chi_{25,0}$	1	.	.	.	$\varphi_{27,0} = 14300_1$
$85800_2 = \chi_{55,1}$	.	1	.	.	$\varphi_{54,1} = 85800_2$
$200200_1 = \chi_{79,0}$	1	.	.	1	$\varphi_{60,1} = 114400_3$
$200200_4 = \chi_{80,1}$	.	1	1	.	$\varphi_{69,0} = 185900_1$
$300300_1 = \chi_{93,0}$	.	.	1	1	

Block 11:	$\varphi_{27,1}$	$\varphi_{54,0}$	$\varphi_{60,0}$	$\varphi_{69,1}$	
$14300_2 = \chi_{25,1}$	1	.	.	.	$\varphi_{27,1} = 14300_2$
$85800_1 = \chi_{55,0}$	.	1	.	.	$\varphi_{54,0} = 85800_1$
$200200_2 = \chi_{79,1}$	1	.	.	1	$\varphi_{60,0} = 114400_2$
$200200_3 = \chi_{80,0}$	.	1	1	.	$\varphi_{69,1} = 185900_2$
$300300_2 = \chi_{93,1}$	.	.	1	1	

Block 12:	$\varphi_{32,0}$	$\varphi_{42,1}$	$\varphi_{57,1}$	$\varphi_{64,0}$	
$23100_1 = \chi_{32,0}$	1	.	.	.	$\varphi_{32,0} = 23100_1$
$105600_2 = \chi_{59,1}$	.	.	1	.	$\varphi_{42,1} = 44550_2$
$150150_2 = \chi_{69,1}$	.	1	1	.	$\varphi_{57,1} = 105600_2$
$150150_3 = \chi_{70,0}$	1	.	.	1	$\varphi_{64,0} = 127050_1$
$171600_1 = \chi_{73,0}$	.	1	.	1	

Block 13:	$\varphi_{32,1}$	$\varphi_{42,0}$	$\varphi_{57,0}$	$\varphi_{64,1}$	
$23100_2 = \chi_{32,1}$	1	.	.	.	$\varphi_{32,1} = 23100_2$
$105600_1 = \chi_{59,0}$	.	.	1	.	$\varphi_{42,0} = 44550_1$
$150150_1 = \chi_{69,0}$	.	1	1	.	$\varphi_{57,0} = 105600_1$
$150150_4 = \chi_{70,1}$	1	.	.	1	$\varphi_{64,1} = 127050_2$
$171600_2 = \chi_{73,1}$	.	1	.	1	