

$A_{18}.2 \pmod{7}$

	blocks	defect	matrix
$G :$	1	2	35×27
	2	2	35×27
	3	2	35×27
	4	2	35×27
	5	2	35×27
	6	1	7×6
	7	1	7×6
	8	1	7×6
	9	1	7×6
	10	1	7×6
	11	1	7×6
	12	1	7×6
	13	0	$9996_1 = \chi_{16,0}, \varphi_{20,1}$
	14	0	$9996_2 = \chi_{16,1}, \varphi_{20,0}$
	15	1	7×6
	16	1	7×6
	17	1	7×6
	18	1	7×6
	19	1	7×6
	20	1	7×6
	21	1	7×6
	22	1	7×6
	23	1	7×6
	24	1	7×6
	25	1	7×6
	26	1	7×6
	27	0	$219912_1 = \chi_{46,0}, \varphi_{33,1}$
	28	0	$219912_2 = \chi_{46,1}, \varphi_{33,0}$
	29	1	7×6
	30	1	7×6
	31	0	$259896_1 = \chi_{51,0}, \varphi_{52,1}$
	32	0	$259896_2 = \chi_{51,1}, \varphi_{52,0}$
	33	0	$595595_1 = \chi_{71,0}, \varphi_{90,1}$
	34	0	$595595_2 = \chi_{71,1}, \varphi_{90,0}$
	35	0	$649740_1 = \chi_{75,0}, \varphi_{73,1}$
	36	0	$649740_2 = \chi_{75,1}, \varphi_{73,0}$
	37	0	$659736_1 = \chi_{77,0}, \varphi_{125,1}$
	38	0	$659736_2 = \chi_{77,1}, \varphi_{125,0}$
	39	0	$714714_1 = \chi_{79,0}, \varphi_{56,1}$
	40	0	$714714_2 = \chi_{79,1}, \varphi_{56,0}$

	blocks	defect	matrix
	41	0	$779688_1 = \chi_{80,0}, \varphi_{84,1}$
	42	0	$779688_2 = \chi_{80,1}, \varphi_{84,0}$
	43	0	$952952_1 = \chi_{89,0}, \varphi_{128,1}$
	44	0	$952952_2 = \chi_{89,1}, \varphi_{128,0}$
	45	0	$1099560_1 = \chi_{94,0}, \varphi_{54,1}$
	46	0	$1099560_2 = \chi_{94,1}, \varphi_{54,0}$
	47	0	$1349460_1 = \chi_{105,0}, \varphi_{53,1}$
	48	0	$1349460_2 = \chi_{105,1}, \varphi_{53,0}$
	49	0	$1429428_1 = \chi_{107,0}, \varphi_{78,1}$
	50	0	$1429428_2 = \chi_{107,1}, \varphi_{78,0}$
	51	0	$1429428_3 = \chi_{108,0}, \varphi_{168,0}$
	52	0	$1429428_4 = \chi_{108,1}, \varphi_{168,1}$
	53	0	$1649340_1 = \chi_{115,0}, \varphi_{87,1}$
	54	0	$1649340_2 = \chi_{115,1}, \varphi_{87,0}$
	55	0	$2144142_1 = \chi_{120,0}, \varphi_{89,1}$
	56	0	$2144142_2 = \chi_{120,1}, \varphi_{89,0}$
	57	0	$2382380_1 = \chi_{125,0}, \varphi_{162,1}$
	58	0	$2382380_2 = \chi_{125,1}, \varphi_{162,0}$
	59	0	$2598960_1 = \chi_{126,0}, \varphi_{114,1}$
	60	0	$2598960_2 = \chi_{126,1}, \varphi_{114,0}$
	61	0	$2858856_1 = \chi_{131,0}, \varphi_{147,1}$
	62	0	$2858856_2 = \chi_{131,1}, \varphi_{147,0}$
	63	0	$2858856_3 = \chi_{132,0}, \varphi_{121,1}$
	64	0	$2858856_4 = \chi_{132,1}, \varphi_{121,0}$
	65	0	$2923830_1 = \chi_{133,0}, \varphi_{100,1}$
	66	0	$2923830_2 = \chi_{133,1}, \varphi_{100,0}$
	67	0	$3198720_1 = \chi_{138,0}, \varphi_{85,1}$
	68	0	$3198720_2 = \chi_{138,1}, \varphi_{85,0}$
	69	0	$3508596_1 = \chi_{143,0}, \varphi_{122,1}$
	70	0	$3508596_2 = \chi_{143,1}, \varphi_{122,0}$
	71	0	$3508596_3 = \chi_{144,0}, \varphi_{155,0}$
	72	0	$3508596_4 = \chi_{144,1}, \varphi_{155,1}$
	73	0	$4288284_1 = \chi_{156,0}, \varphi_{136,1}$
	74	0	$4288284_2 = \chi_{156,1}, \varphi_{136,0}$
	75	0	$5937624_1 = \chi_{173,0}, \varphi_{146,1}$
	76	0	$5937624_2 = \chi_{173,1}, \varphi_{146,0}$
	77	0	$6432426_1 = \chi_{177,0}, \varphi_{107,1}$
	78	0	$6432426_2 = \chi_{177,1}, \varphi_{107,0}$
	79	0	$6872250_1 = \chi_{181,0}, \varphi_{116,1}$
	80	0	$6872250_2 = \chi_{181,1}, \varphi_{116,0}$

	blocks	defect	matrix
	81	0	$8576568_1 = \chi_{190,0}, \varphi_{152,1}$
	82	0	$8576568_2 = \chi_{190,1}, \varphi_{152,0}$
	83	0	$9382912_1 = \chi_{160+}, \varphi_{153+}$
	84	0	$9529520_1 = \chi_{194,0}, \varphi_{145,1}$
	85	0	$9529520_2 = \chi_{194,1}, \varphi_{145,0}$
	86	0	$10720710_1 = \chi_{196,0}, \varphi_{166,1}$
	87	0	$10720710_2 = \chi_{196,1}, \varphi_{166,0}$
	88	0	$16243500_1 = \chi_{199,0}, \varphi_{167,1}$
	89	0	$16243500_2 = \chi_{199,1}, \varphi_{167,0}$

[illegible]

(Block 1:)	$\varphi_{77,0}$	$\varphi_{110,0}$	$\varphi_{91,1}$	$\varphi_{156,0}$	$\varphi_{165,0}$	$\varphi_{150,1}$	$\varphi_{117,1}$	$\varphi_{62,1}$	$\varphi_{127,1}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.
$680_1 = \chi_{6,0}$	.	.	.	.	.	.	.	.	.
$5508_2 = \chi_{12,1}$	.	.	.	.	.	.	.	.	.
$7020_1 = \chi_{15,0}$	.	.	.	.	.	.	.	.	.
$13260_2 = \chi_{19,1}$	.	.	.	.	.	.	.	.	.
$19448_2 = \chi_{20,1}$	.	.	.	.	.	.	.	.	.
$29835_1 = \chi_{25,0}$	.	.	.	.	.	.	.	.	.
$53040_2 = \chi_{27,1}$	.	.	.	.	.	.	.	.	.
$58344_1 = \chi_{29,0}$	.	.	.	.	.	.	.	.	.
$87516_2 = \chi_{32,1}$	.	.	.	1	.	.	.	.	.
$88128_2 = \chi_{33,1}$	.	.	.	.	.	.	.	.	.
$112320_2 = \chi_{40,1}$	.	.	.	.	.	.	.	.	.
$143208_1 = \chi_{43,0}$	.	.	.	.	.	.	.	.	.
$238680_2 = \chi_{48,1}$	.	.	.	.	.	.	.	.	.
$268515_2 = \chi_{52,1}$	.	.	.	.	.	.	.	.	.
$302940_1 = \chi_{53,0}$	.	.	.	.	.	.	.	1	.
$339456_2 = \chi_{56,1}$	.	.	.	.	.	.	.	.	.
$656370_2 = \chi_{76,1}$	.	.	.	.	.	.	.	.	.
$875160_3 = \chi_{86,0}$	.	.	1	.	.	.	.	1	.
$1131520_1 = \chi_{95,0}$	.	.	.	.	.	.	.	.	.
$1215500_2 = \chi_{98,1}$	1	.	.	.	.	.	.	.	.
$1312740_1 = \chi_{104,0}$	.	.	.	.	.	.	.	.	1
$1432080_1 = \chi_{109,0}$	.	1	1	.	.	.	.	.	.
$1575288_4 = \chi_{114,1}$	1	1	.	.	.	.	.	.	.
$1823250_1 = \chi_{117,0}$	.	.	.	1	.	.	.	.	.
$2148120_1 = \chi_{121,0}$	.	.	.	.	.	.	.	.	.
$2333760_2 = \chi_{122,1}$	.	.	.	.	1	.	.	.	1
$2362932_2 = \chi_{124,1}$	.	.	.	1	1	.	.	.	.
$3978000_1 = \chi_{153,0}$	.	.	.	.	.	.	1	1	.
$4200768_1 = \chi_{154,0}$	.	.	.	.	.	.	.	.	1
$4230144_1 = \chi_{155,0}$	.	1	1	.	.	.	1	1	.
$6789120_2 = \chi_{180,1}$	1	.	.	.	1	1	.	.	.
$7876440_1 = \chi_{184,0}$	.	.	.	1	1	1	.	.	1
$7876440_3 = \chi_{185,0}$	1	1	.	.	.	1	1	.	.
$9165312_1 = \chi_{191,0}$	.	.	.	.	.	1	1	.	.

(Block 1:)	$\varphi_{133,1}$	$\varphi_{101,1}$	$\varphi_{27,1}$	$\varphi_{95,1}$	$\varphi_{97,1}$	$\varphi_{17,1}$	$\varphi_{7,1}$	$\varphi_{11,1}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.
$680_1 = \chi_{6,0}$	.	.	.	.	.	.	1	.
$5508_2 = \chi_{12,1}$	.	.	.	.	.	.	.	.
$7020_1 = \chi_{15,0}$	.	.	.	.	.	.	1	1
$13260_2 = \chi_{19,1}$	.	.	.	.	.	.	.	.
$19448_2 = \chi_{20,1}$	.	.	.	.	.	.	.	.
$29835_1 = \chi_{25,0}$	.	.	.	.	.	1	.	1
$53040_2 = \chi_{27,1}$	.	.	.	.	.	.	.	.
$58344_1 = \chi_{29,0}$	.	.	1	.	.	1	.	.
$87516_2 = \chi_{32,1}$	.	.	.	.	.	.	.	.
$88128_2 = \chi_{33,1}$	.	.	.	.	.	.	.	.
$112320_2 = \chi_{40,1}$	.	.	.	.	.	.	.	.
$143208_1 = \chi_{43,0}$	.	.	.	1	.	.	.	1
$238680_2 = \chi_{48,1}$	.	.	.	.	.	.	.	.
$268515_2 = \chi_{52,1}$	.	.	.	.	.	.	.	.
$302940_1 = \chi_{53,0}$	.	.	1	.	.	.	.	.
$339456_2 = \chi_{56,1}$	.	.	.	.	.	.	.	.
$656370_2 = \chi_{76,1}$	.	.	.	.	.	.	.	.
$875160_3 = \chi_{86,0}$	.	.	.	.	.	.	.	.
$1131520_1 = \chi_{95,0}$	.	.	.	1	1	1	1	1
$1215500_2 = \chi_{98,1}$	.	.	.	.	.	.	.	.
$1312740_1 = \chi_{104,0}$	.	.	.	.	1	.	1	.
$1432080_1 = \chi_{109,0}$	.	.	.	.	.	.	.	.
$1575288_4 = \chi_{114,1}$	.	.	.	.	.	.	.	.
$1823250_1 = \chi_{117,0}$	1	.	.	1	.	.	.	.
$2148120_1 = \chi_{121,0}$	.	1	1	.	1	1	.	.
$2333760_2 = \chi_{122,1}$	.	.	.	.	.	.	.	.
$2362932_2 = \chi_{124,1}$	.	.	.	.	.	.	.	.
$3978000_1 = \chi_{153,0}$	.	1	1	.	.	.	.	.
$4200768_1 = \chi_{154,0}$	1	1	.	1	1	.	.	.
$4230144_1 = \chi_{155,0}$	.	.	.	.	.	.	.	.
$6789120_2 = \chi_{180,1}$	.	.	.	.	.	.	.	.
$7876440_1 = \chi_{184,0}$	1	.	.	.	.	.	.	.
$7876440_3 = \chi_{185,0}$	.	.	.	.	.	.	.	.
$9165312_1 = \chi_{191,0}$	1	1	.	.	.	.	.	.

$\varphi_{1,0}$	=	1_1	$\varphi_{165,0}$	=	1978084_1
$\varphi_{13,0}$	=	5507_1	$\varphi_{150,1}$	=	3864051_2
$\varphi_{21,0}$	=	47533_1	$\varphi_{117,1}$	=	2549421_2
$\varphi_{31,0}$	=	7753_1	$\varphi_{62,1}$	=	268091_2
$\varphi_{32,0}$	=	27334_1	$\varphi_{127,1}$	=	347923_2
$\varphi_{34,0}$	=	163813_1	$\varphi_{133,1}$	=	1626201_2
$\varphi_{37,0}$	=	175643_1	$\varphi_{101,1}$	=	1125639_2
$\varphi_{41,0}$	=	92872_1	$\varphi_{27,1}$	=	34849_2
$\varphi_{44,0}$	=	19448_1	$\varphi_{95,1}$	=	136868_2
$\varphi_{51,0}$	=	289580_1	$\varphi_{97,1}$	=	964137_2
$\varphi_{77,0}$	=	657405_1	$\varphi_{17,1}$	=	23495_2
$\varphi_{110,0}$	=	805563_1	$\varphi_{7,1}$	=	680_2
$\varphi_{91,1}$	=	607069_2	$\varphi_{11,1}$	=	6340_2
$\varphi_{156,0}$	=	60181_1			

[illegible]

(Block 2:)	$\varphi_{117,0}$	$\varphi_{110,1}$	$\varphi_{44,1}$	$\varphi_{127,0}$	$\varphi_{133,0}$	$\varphi_{150,0}$	$\varphi_{77,1}$	$\varphi_{41,1}$	$\varphi_{156,1}$
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.
$680_2 = \chi_{6,1}$	.	.	.	.	.	.	.	.	.
$5508_1 = \chi_{12,0}$	.	.	.	.	.	.	.	.	.
$7020_2 = \chi_{15,1}$	.	.	.	.	.	.	.	.	.
$13260_1 = \chi_{19,0}$	.	.	.	.	.	.	.	.	.
$19448_1 = \chi_{20,0}$	.	.	1	.	.	.	.	.	.
$29835_2 = \chi_{25,1}$	.	.	.	.	.	.	.	.	.
$53040_1 = \chi_{27,0}$	.	.	.	.	.	.	.	.	.
$58344_2 = \chi_{29,1}$	.	.	.	.	.	.	.	.	.
$87516_1 = \chi_{32,0}$	.	.	.	.	.	.	.	.	1
$88128_1 = \chi_{33,0}$	.	.	.	.	.	.	.	.	.
$112320_1 = \chi_{40,0}$	.	.	1	.	.	.	.	1	.
$143208_2 = \chi_{43,1}$	.	.	.	.	.	.	.	.	.
$238680_1 = \chi_{48,0}$	.	.	.	.	.	.	.	.	.
$268515_1 = \chi_{52,0}$	.	.	.	.	.	.	.	1	.
$302940_2 = \chi_{53,1}$	.	.	.	.	.	.	.	.	.
$339456_1 = \chi_{56,0}$	.	.	.	.	.	.	.	.	.
$656370_1 = \chi_{76,0}$	.	.	.	.	.	.	.	.	.
$875160_4 = \chi_{86,1}$	.	.	.	.	.	.	.	.	.
$1131520_2 = \chi_{95,1}$	.	.	.	.	.	.	.	.	.
$1215500_1 = \chi_{98,0}$	.	.	.	.	.	.	1	1	.
$1312740_2 = \chi_{104,1}$	.	.	.	1	.	.	.	.	.
$1432080_2 = \chi_{109,1}$	.	1	1	.	.	.	.	.	.
$1575288_3 = \chi_{114,0}$	.	1	1	.	.	.	1	1	.
$1823250_2 = \chi_{117,1}$	.	.	.	.	1	.	.	.	1
$2148120_2 = \chi_{121,1}$	.	.	.	.	.	.	.	.	.
$2333760_1 = \chi_{122,0}$	.	.	.	1	.	.	.	.	.
$2362932_1 = \chi_{124,0}$	.	.	.	.	.	.	.	.	1
$3978000_2 = \chi_{153,1}$	1	.	.	.	.	.	.	.	.
$4200768_2 = \chi_{154,1}$	.	.	.	1	1	.	.	.	.
$4230144_2 = \chi_{155,1}$	1	1	.	.	.	.	.	.	.
$6789120_1 = \chi_{180,0}$	.	.	.	.	.	1	1	.	.
$7876440_2 = \chi_{184,1}$	.	.	.	1	1	1	.	.	1
$7876440_4 = \chi_{185,1}$	1	1	.	.	.	1	1	.	.
$9165312_2 = \chi_{191,1}$	1	.	.	.	1	1	.	.	.

[illegible]

$\varphi_{7,0}$	=	680 ₁	$\varphi_{150,0}$	=	3864051 ₁
$\varphi_{11,0}$	=	6340 ₁	$\varphi_{77,1}$	=	657405 ₂
$\varphi_{17,0}$	=	23495 ₁	$\varphi_{41,1}$	=	92872 ₂
$\varphi_{27,0}$	=	34849 ₁	$\varphi_{156,1}$	=	60181 ₂
$\varphi_{62,0}$	=	268091 ₁	$\varphi_{165,1}$	=	1978084 ₂
$\varphi_{91,0}$	=	607069 ₁	$\varphi_{51,1}$	=	289580 ₂
$\varphi_{95,0}$	=	136868 ₁	$\varphi_{37,1}$	=	175643 ₂
$\varphi_{97,0}$	=	964137 ₁	$\varphi_{31,1}$	=	7753 ₂
$\varphi_{101,0}$	=	1125639 ₁	$\varphi_{32,1}$	=	27334 ₂
$\varphi_{117,0}$	=	2549421 ₁	$\varphi_{34,1}$	=	163813 ₂
$\varphi_{110,1}$	=	805563 ₂	$\varphi_{21,1}$	=	47533 ₂
$\varphi_{44,1}$	=	19448 ₂	$\varphi_{1,1}$	=	1 ₂
$\varphi_{127,0}$	=	347923 ₁	$\varphi_{13,1}$	=	5507 ₂
$\varphi_{133,0}$	=	1626201 ₁			

[illegible]

(Block 3:)	$\varphi_{64,1}$	$\varphi_{119,1}$	$\varphi_{126,0}$	$\varphi_{139,0}$	$\varphi_{148,0}$	$\varphi_{82,1}$	$\varphi_{60,1}$	$\varphi_{131,1}$	$\varphi_{138,1}$
$17_1 = \chi_{2,0}$	.	.	.	.	.	.	.	.	.
$136_2 = \chi_{4,1}$	.	.	.	.	.	.	.	.	.
$2244_1 = \chi_{8,0}$	.	.	.	.	.	.	.	.	.
$6885_2 = \chi_{14,1}$	.	.	.	.	.	.	.	.	.
$11934_1 = \chi_{17,0}$	.	.	.	.	.	.	.	.	.
$24310_1 = \chi_{23,0}$	1	.	.	.	.	.	.	.	.
$29172_2 = \chi_{24,1}$	.	.	.	.	.	.	.	.	.
$70720_2 = \chi_{31,1}$	.	.	.	.	.	.	.	.	.
$99144_1 = \chi_{36,0}$	.	.	.	.	.	.	.	.	.
$322218_2 = \chi_{54,1}$	.	.	.	.	.	.	.	.	.
$331500_1 = \chi_{55,0}$	.	.	.	.	.	.	.	.	.
$363528_2 = \chi_{60,1}$	.	.	.	.	.	.	.	.	.
$364650_2 = \chi_{61,1}$	.	.	1	.	.	.	.	.	.
$447525_1 = \chi_{63,0}$	1	.	.	.	.	.	1	.	.
$466752_1 = \chi_{65,0}$	.	.	.	.	.	.	.	1	.
$583440_1 = \chi_{69,0}$	.	.	.	.	.	.	.	.	.
$875160_1 = \chi_{85,0}$	.	.	1	.	.	.	.	.	1
$1018368_2 = \chi_{90,1}$	1	.	.	.	.	.	.	.	.
$1175040_1 = \chi_{97,0}$	.	.	.	.	.	.	.	.	.
$1357824_1 = \chi_{106,0}$	.	.	.	.	.	.	1	.	.
$1458600_2 = \chi_{110,1}$	.	.	.	.	.	.	.	.	.
$1575288_1 = \chi_{113,0}$	.	.	.	.	.	.	.	1	1
$1790100_1 = \chi_{116,0}$	.	.	.	.	.	.	.	.	.
$1989000_2 = \chi_{118,1}$	.	.	.	.	.	.	.	.	.
$3222180_2 = \chi_{139,1}$	.	.	.	.	.	.	.	.	.
$3544398_1 = \chi_{145,0}$	.	.	.	.	.	1	1	.	.
$3734016_2 = \chi_{148,1}$	.	.	.	1	.	.	.	1	.
$3965760_2 = \chi_{152,1}$	.	.	.	.	.	.	.	.	.
$4725864_2 = \chi_{162,1}$	1	1	.	.	.	.	.	.	.
$4862000_1 = \chi_{163,0}$	1	1	.	.	.	1	1	.	.
$5250960_2 = \chi_{169,1}$	.	.	1	1	.	.	.	.	.
$5469750_1 = \chi_{172,0}$	.	.	.	.	1	1	.	.	1
$7088796_2 = \chi_{182,1}$	.	.	1	1	1	.	.	1	1
$8078400_1 = \chi_{187,0}$	.	1	.	.	1	1	.	.	.
$8486400_2 = \chi_{189,1}$	.	.	.	1	1	.	.	.	.

(Block 3:)	$\varphi_{50,1}$	$\varphi_{55,1}$	$\varphi_{36,1}$	$\varphi_{45,1}$	$\varphi_{47,1}$	$\varphi_{22,1}$	$\varphi_{2,1}$	$\varphi_{8,1}$
$17_1 = \chi_{2,0}$	.	.	.	.	.	.	1	.
$136_2 = \chi_{4,1}$	.	.	.	.	.	.	.	.
$2244_1 = \chi_{8,0}$	.	.	.	.	.	.	1	1
$6885_2 = \chi_{14,1}$	.	.	.	.	.	.	.	.
$11934_1 = \chi_{17,0}$	.	.	.	1	.	.	.	1
$24310_1 = \chi_{23,0}$	.	.	.	.	.	.	.	.
$29172_2 = \chi_{24,1}$	.	.	.	.	.	.	.	.
$70720_2 = \chi_{31,1}$	.	.	.	.	.	.	.	.
$99144_1 = \chi_{36,0}$	.	.	.	.	.	1	.	1
$322218_2 = \chi_{54,1}$	.	.	.	.	.	.	.	.
$331500_1 = \chi_{55,0}$	.	.	.	1	1	1	1	1
$363528_2 = \chi_{60,1}$	.	.	.	.	.	.	.	.
$364650_2 = \chi_{61,1}$	.	.	.	.	.	.	.	.
$447525_1 = \chi_{63,0}$	.	.	.	.	.	.	.	.
$466752_1 = \chi_{65,0}$	.	.	.	.	1	.	1	.
$583440_1 = \chi_{69,0}$	.	.	1	.	.	1	.	.
$875160_1 = \chi_{85,0}$	.	.	.	1	.	.	.	.
$1018368_2 = \chi_{90,1}$	.	.	.	.	.	.	.	.
$1175040_1 = \chi_{97,0}$	1	.	1	.	1	1	.	.
$1357824_1 = \chi_{106,0}$	.	1	.	.	.	.	.	.
$1458600_2 = \chi_{110,1}$	.	.	.	.	.	.	.	.
$1575288_1 = \chi_{113,0}$	1	.	.	1	1	.	.	.
$1790100_1 = \chi_{116,0}$	1	1	1	.	.	.	.	.
$1989000_2 = \chi_{118,1}$	.	.	.	.	.	.	.	.
$3222180_2 = \chi_{139,1}$	.	.	.	.	.	.	.	.
$3544398_1 = \chi_{145,0}$	1	1	.	.	.	.	.	.
$3734016_2 = \chi_{148,1}$	.	.	.	.	.	.	.	.
$3965760_2 = \chi_{152,1}$	.	.	.	.	.	.	.	.
$4725864_2 = \chi_{162,1}$	.	.	.	.	.	.	.	.
$4862000_1 = \chi_{163,0}$	.	.	.	.	.	.	.	.
$5250960_2 = \chi_{169,1}$	.	.	.	.	.	.	.	.
$5469750_1 = \chi_{172,0}$	1	.	.	.	.	.	.	.
$7088796_2 = \chi_{182,1}$	.	.	.	.	.	.	.	.
$8078400_1 = \chi_{187,0}$	.	.	.	.	.	.	.	.
$8486400_2 = \chi_{189,1}$	.	.	.	.	.	.	.	.

$\varphi_{4,0}$	=	136 ₁	$\varphi_{148,0}$	=	2553298 ₁
$\varphi_{9,0}$	=	6749 ₁	$\varphi_{82,1}$	=	1817606 ₂
$\varphi_{15,0}$	=	22423 ₁	$\varphi_{60,1}$	=	423215 ₂
$\varphi_{39,0}$	=	341105 ₁	$\varphi_{131,1}$	=	244103 ₂
$\varphi_{59,0}$	=	1117495 ₁	$\varphi_{138,1}$	=	729878 ₂
$\varphi_{67,0}$	=	63971 ₁	$\varphi_{50,1}$	=	368968 ₂
$\varphi_{68,0}$	=	228939 ₁	$\varphi_{55,1}$	=	934609 ₂
$\varphi_{75,0}$	=	1396533 ₁	$\varphi_{36,1}$	=	486523 ₂
$\varphi_{81,0}$	=	1110627 ₁	$\varphi_{45,1}$	=	9707 ₂
$\varphi_{88,0}$	=	994058 ₁	$\varphi_{47,1}$	=	222632 ₂
$\varphi_{64,1}$	=	24310 ₂	$\varphi_{22,1}$	=	96917 ₂
$\varphi_{119,1}$	=	2596869 ₂	$\varphi_{2,1}$	=	17 ₂
$\varphi_{126,0}$	=	135575 ₁	$\varphi_{8,1}$	=	2227 ₂
$\varphi_{139,0}$	=	3425942 ₁			

[illegible]

(Block 4:)	$\varphi_{82,0}$	$\varphi_{119,0}$	$\varphi_{131,0}$	$\varphi_{138,0}$	$\varphi_{148,1}$	$\varphi_{81,1}$	$\varphi_{88,1}$	$\varphi_{59,1}$	$\varphi_{126,1}$
$17_2 = \chi_{2,1}$	.	.	.	.	.	.	.	.	.
$136_1 = \chi_{4,0}$	.	.	.	.	.	.	.	.	.
$2244_2 = \chi_{8,1}$	.	.	.	.	.	.	.	.	.
$6885_1 = \chi_{14,0}$	.	.	.	.	.	.	.	.	.
$11934_2 = \chi_{17,1}$	.	.	.	.	.	.	.	.	.
$24310_2 = \chi_{23,1}$	.	.	.	.	.	.	.	.	.
$29172_1 = \chi_{24,0}$	.	.	.	.	.	.	.	.	.
$70720_1 = \chi_{31,0}$	.	.	.	.	.	.	.	.	.
$99144_2 = \chi_{36,1}$	.	.	.	.	.	.	.	.	.
$322218_1 = \chi_{54,0}$	.	.	.	.	.	.	.	.	.
$331500_2 = \chi_{55,1}$	.	.	.	.	.	.	.	.	.
$363528_1 = \chi_{60,0}$	.	.	.	.	.	.	.	.	.
$364650_1 = \chi_{61,0}$	.	.	.	.	.	.	.	.	1
$447525_2 = \chi_{63,1}$	.	.	.	.	.	.	.	.	.
$466752_2 = \chi_{65,1}$	.	.	1	.	.	.	.	.	.
$583440_2 = \chi_{69,1}$	.	.	.	.	.	.	.	.	.
$875160_2 = \chi_{85,1}$	.	.	.	1	.	.	.	.	1
$1018368_1 = \chi_{90,0}$	.	.	.	.	.	.	1	.	.
$1175040_2 = \chi_{97,1}$	.	.	.	.	.	.	.	.	.
$1357824_2 = \chi_{106,1}$	.	.	.	.	.	.	.	.	.
$1458600_1 = \chi_{110,0}$	.	.	.	.	.	.	.	1	.
$1575288_2 = \chi_{113,1}$	.	.	1	1	.	.	.	.	.
$1790100_2 = \chi_{116,1}$	.	.	.	.	.	.	.	.	.
$1989000_1 = \chi_{118,0}$	.	.	.	.	.	.	.	.	.
$3222180_1 = \chi_{139,0}$	.	.	.	.	.	1	1	1	.
$3544398_2 = \chi_{145,1}$	1	.	.	.	.	.	.	.	.
$3734016_1 = \chi_{148,0}$	.	.	1	.	.	.	.	.	.
$3965760_1 = \chi_{152,0}$	.	.	.	.	.	1	.	1	.
$4725864_1 = \chi_{162,0}$	.	1	.	.	.	1	1	.	.
$4862000_2 = \chi_{163,1}$	1	1	.	.	.	.	.	.	.
$5250960_1 = \chi_{169,0}$	.	.	.	.	.	.	.	.	1
$5469750_2 = \chi_{172,1}$	1	.	.	1	1	.	.	.	.
$7088796_1 = \chi_{182,0}$	.	.	1	1	1	.	.	.	1
$8078400_2 = \chi_{187,1}$	1	1	.	.	1	1	.	.	.
$8486400_1 = \chi_{189,0}$	.	.	.	.	1	1	.	.	.

(Block 4:)	$\varphi_{139,1}$	$\varphi_{75,1}$	$\varphi_{39,1}$	$\varphi_{67,1}$	$\varphi_{68,1}$	$\varphi_{15,1}$	$\varphi_{4,1}$	$\varphi_{9,1}$
$17_2 = \chi_{2,1}$	.	.	.	.	.	.	.	.
$136_1 = \chi_{4,0}$	.	.	.	.	.	.	1	.
$2244_2 = \chi_{8,1}$	.	.	.	.	.	.	.	.
$6885_1 = \chi_{14,0}$	.	.	.	.	.	.	1	1
$11934_2 = \chi_{17,1}$	.	.	.	.	.	.	.	.
$24310_2 = \chi_{23,1}$	.	.	.	.	.	.	.	.
$29172_1 = \chi_{24,0}$	.	.	.	.	.	1	.	1
$70720_1 = \chi_{31,0}$	.	.	.	1	.	.	.	1
$99144_2 = \chi_{36,1}$	.	.	.	.	.	.	.	.
$322218_1 = \chi_{54,0}$	.	.	.	1	1	1	1	1
$331500_2 = \chi_{55,1}$	.	.	.	.	.	.	.	.
$363528_1 = \chi_{60,0}$	.	.	1	.	.	1	.	.
$364650_1 = \chi_{61,0}$	.	.	.	.	1	.	1	.
$447525_2 = \chi_{63,1}$	.	.	.	.	.	.	.	.
$466752_2 = \chi_{65,1}$	.	.	.	.	.	.	.	.
$583440_2 = \chi_{69,1}$	.	.	.	.	.	.	.	.
$875160_2 = \chi_{85,1}$	.	.	.	.	.	.	.	.
$1018368_1 = \chi_{90,0}$	.	.	.	.	.	.	.	.
$1175040_2 = \chi_{97,1}$	.	.	.	.	.	.	.	.
$1357824_2 = \chi_{106,1}$	.	.	.	.	.	.	.	.
$1458600_1 = \chi_{110,0}$	.	.	1	.	.	.	.	.
$1575288_2 = \chi_{113,1}$	.	.	.	.	.	.	.	.
$1790100_2 = \chi_{116,1}$	.	.	.	.	.	.	.	.
$1989000_1 = \chi_{118,0}$	.	1	1	.	1	1	.	.
$3222180_1 = \chi_{139,0}$	.	.	.	.	.	.	.	.
$3544398_2 = \chi_{145,1}$	.	.	.	.	.	.	.	.
$3734016_1 = \chi_{148,0}$	1	.	.	1	.	.	.	.
$3965760_1 = \chi_{152,0}$	.	1	1	.	.	.	.	.
$4725864_1 = \chi_{162,0}$	.	.	.	.	.	.	.	.
$4862000_2 = \chi_{163,1}$	.	.	.	.	.	.	.	.
$5250960_1 = \chi_{169,0}$	1	1	.	1	1	.	.	.
$5469750_2 = \chi_{172,1}$	.	.	.	.	.	.	.	.
$7088796_1 = \chi_{182,0}$	1	.	.	.	.	.	.	.
$8078400_2 = \chi_{187,1}$	.	.	.	.	.	.	.	.
$8486400_1 = \chi_{189,0}$	1	1	.	.	.	.	.	.

$\varphi_{2,0}$	=	17_1	$\varphi_{148,1}$	=	2553298_2
$\varphi_{8,0}$	=	2227_1	$\varphi_{81,1}$	=	1110627_2
$\varphi_{22,0}$	=	96917_1	$\varphi_{88,1}$	=	994058_2
$\varphi_{36,0}$	=	486523_1	$\varphi_{59,1}$	=	1117495_2
$\varphi_{45,0}$	=	9707_1	$\varphi_{126,1}$	=	135575_2
$\varphi_{47,0}$	=	222632_1	$\varphi_{139,1}$	=	3425942_2
$\varphi_{50,0}$	=	368968_1	$\varphi_{75,1}$	=	1396533_2
$\varphi_{55,0}$	=	934609_1	$\varphi_{39,1}$	=	341105_2
$\varphi_{60,0}$	=	423215_1	$\varphi_{67,1}$	=	63971_2
$\varphi_{64,0}$	=	24310_1	$\varphi_{68,1}$	=	228939_2
$\varphi_{82,0}$	=	1817606_1	$\varphi_{15,1}$	=	22423_2
$\varphi_{119,0}$	=	2596869_1	$\varphi_{4,1}$	=	136_2
$\varphi_{131,0}$	=	244103_1	$\varphi_{9,1}$	=	6749_2
$\varphi_{138,0}$	=	729878_1			

Block 5:	$\varphi_{3,0}$	$\varphi_{5,0}$	$\varphi_{24,0}$	$\varphi_{38,0}$	$\varphi_{58,0}$	$\varphi_{66,0}$	$\varphi_{70,0}$	$\varphi_{74,0}$	$\varphi_{80,0}$	$\varphi_{86,0}$
$135_1 = \chi_{3,0}$	.	.	.	.	.	.	.	.	.	.
$135_2 = \chi_{3,1}$	1	.	.	.	.	.	.	.	.	.
$663_1 = \chi_{5,0}$	.	.	.	.	.	.	.	.	.	.
$663_2 = \chi_{5,1}$	1	1	.	.	.	.	.	.	.	.
$4862_1 = \chi_{11,0}$	.	.	.	.	.	.	.	.	.	.
$4862_2 = \chi_{11,1}$	.	1	.	.	.	1	.	.	.	.
$56100_1 = \chi_{28,0}$	.	.	.	.	.	.	.	.	.	.
$56100_2 = \chi_{28,1}$	.	1	1	.	.	.	.	.	.	.
$183040_1 = \chi_{34+}$	.	.	.	.	.	.	.	.	.	.
$358020_1 = \chi_{59,0}$	.	.	.	.	.	.	.	.	.	.
$358020_2 = \chi_{59,1}$	.	.	1	1	.	.	.	.	.	.
$590733_1 = \chi_{70,0}$	.	.	.	.	.	.	.	.	.	.
$590733_2 = \chi_{70,1}$	.	.	.	.	.	.	.	.	.	1
$678912_1 = \chi_{78,0}$	.	.	.	.	.	.	.	.	.	.
$678912_2 = \chi_{78,1}$	1	1	1	.	.	1	1	.	.	.
$787644_1 = \chi_{81,0}$	.	.	.	.	.	.	.	.	.	.
$787644_2 = \chi_{81,1}$	1	.	.	.	.	.	1	.	.	.
$787644_3 = \chi_{82,0}$	.	.	.	.	.	1	.	.	.	.
$787644_4 = \chi_{82,1}$	.	.	.	.	.	.	.	.	.	.
$1145664_1 = \chi_{96,0}$	.	.	.	.	.	.	.	.	.	.
$1145664_2 = \chi_{96,1}$	.	.	.	1	1	.	.	.	.	.
$1867008_1 = \chi_{87+}$	.	.	.	.	.	.	.	.	.	.
$2333760_3 = \chi_{123,0}$	.	.	.	.	.	.	.	.	.	.
$2333760_4 = \chi_{123,1}$	.	.	.	.	1	.	.	.	1	1
$2489344_1 = \chi_{101+}$	.	.	.	.	.	.	.	.	.	1
$2625480_1 = \chi_{127,0}$	.	.	.	.	.	.	.	.	.	.
$2625480_2 = \chi_{127,1}$	.	.	1	1	.	.	1	1	.	.
$3055104_1 = \chi_{136,0}$	.	.	.	.	.	.	.	.	.	.
$3055104_2 = \chi_{136,1}$	.	.	.	.	.	1	1	1	.	.
$3281850_1 = \chi_{141,0}$	.	.	.	.	.	.	.	.	.	.
$3281850_2 = \chi_{141,1}$	.	.	.	.	.	.	.	.	1	1
$3646500_1 = \chi_{146,0}$	.	.	.	.	.	.	.	.	.	.
$3646500_2 = \chi_{146,1}$	.	.	.	.	.	.	.	1	1	.
$3877632_1 = \chi_{149,0}$	.	.	.	.	.	.	.	.	.	.
$3877632_2 = \chi_{149,1}$	.	.	.	1	1	.	.	1	1	.

[illegible]

(Block 5:)	$\varphi_{105,1}$	$\varphi_{74,1}$	$\varphi_{38,1}$	$\varphi_{66,1}$	$\varphi_{70,1}$	$\varphi_{24,1}$	$\varphi_{3,1}$	$\varphi_{5,1}$
$135_1 = \chi_{3,0}$	.	.	.	.	.	.	1	.
$135_2 = \chi_{3,1}$	.	.	.	.	.	.	.	.
$663_1 = \chi_{5,0}$	.	.	.	.	.	.	1	1
$663_2 = \chi_{5,1}$	.	.	.	.	.	.	.	.
$4862_1 = \chi_{11,0}$	.	.	.	1	.	.	.	1
$4862_2 = \chi_{11,1}$	.	.	.	.	.	.	.	.
$56100_1 = \chi_{28,0}$	.	.	.	.	.	1	.	1
$56100_2 = \chi_{28,1}$	.	.	.	.	.	.	.	.
$183040_1 = \chi_{34+}$	.	.	.	.	.	.	.	.
$358020_1 = \chi_{59,0}$	.	.	1	.	.	1	.	.
$358020_2 = \chi_{59,1}$	.	.	.	.	.	.	.	.
$590733_1 = \chi_{70,0}$	.	.	.	.	.	.	.	.
$590733_2 = \chi_{70,1}$	.	.	.	.	.	.	.	.
$678912_1 = \chi_{78,0}$	.	.	.	1	1	1	1	1
$678912_2 = \chi_{78,1}$	.	.	.	.	.	.	.	.
$787644_1 = \chi_{81,0}$	.	.	.	.	1	.	1	.
$787644_2 = \chi_{81,1}$	.	.	.	.	.	.	.	.
$787644_3 = \chi_{82,0}$	.	.	.	.	.	.	.	.
$787644_4 = \chi_{82,1}$	1	.	.	1	.	.	.	.
$1145664_1 = \chi_{96,0}$	.	.	1	.	.	.	.	.
$1145664_2 = \chi_{96,1}$	.	.	.	.	.	.	.	.
$1867008_1 = \chi_{87+}$	1	.	.	.	.	.	.	.
$2333760_3 = \chi_{123,0}$	.	.	.	.	.	.	.	.
$2333760_4 = \chi_{123,1}$	.	.	.	.	.	.	.	.
$2489344_1 = \chi_{101+}$	.	.	.	.	.	.	.	.
$2625480_1 = \chi_{127,0}$	.	1	1	.	1	1	.	.
$2625480_2 = \chi_{127,1}$	.	.	.	.	.	.	.	.
$3055104_1 = \chi_{136,0}$	1	1	.	1	1	.	.	.
$3055104_2 = \chi_{136,1}$	.	.	.	.	.	.	.	.
$3281850_1 = \chi_{141,0}$	.	.	.	.	.	.	.	.
$3281850_2 = \chi_{141,1}$	.	.	.	.	.	.	.	.
$3646500_1 = \chi_{146,0}$	1	1	.	.	.	.	.	.
$3646500_2 = \chi_{146,1}$	.	.	.	.	.	.	.	.
$3877632_1 = \chi_{149,0}$	.	1	1	.	.	.	.	.
$3877632_2 = \chi_{149,1}$	.	.	.	.	.	.	.	.

$\varphi_{3,0}$	$=$	135_1	φ_{123+}	$=$	1490918_1
$\varphi_{5,0}$	$=$	528_1	$\varphi_{86,1}$	$=$	407693_2
$\varphi_{24,0}$	$=$	55572_1	$\varphi_{80,1}$	$=$	1082851_2
$\varphi_{38,0}$	$=$	302448_1	$\varphi_{58,1}$	$=$	843216_2
$\varphi_{58,0}$	$=$	843216_1	$\varphi_{99,1}$	$=$	169166_2
$\varphi_{66,0}$	$=$	4334_1	$\varphi_{105,1}$	$=$	614144_2
$\varphi_{70,0}$	$=$	618343_1	$\varphi_{74,1}$	$=$	1649117_2
$\varphi_{74,0}$	$=$	1649117_1	$\varphi_{38,1}$	$=$	302448_2
$\varphi_{80,0}$	$=$	1082851_1	$\varphi_{66,1}$	$=$	4334_2
$\varphi_{86,0}$	$=$	407693_1	$\varphi_{70,1}$	$=$	618343_2
φ_{92+}	$=$	183040_1	$\varphi_{24,1}$	$=$	55572_2
$\varphi_{99,0}$	$=$	169166_1	$\varphi_{3,1}$	$=$	135_2
$\varphi_{105,0}$	$=$	614144_1	$\varphi_{5,1}$	$=$	528_2
φ_{112+}	$=$	300388_1			

Block 6:	$\varphi_{65,0}$	$\varphi_{120,0}$	$\varphi_{115,1}$	$\varphi_{106,1}$	$\varphi_{96,1}$	$\varphi_{6,1}$	
$1344_1 = \chi_{7,0}$	.	.	.	.	.	1	$\varphi_{65,0} = 162162_1$
$162162_2 = \chi_{44,1}$	1	.	.	.	.	.	$\varphi_{120,0} = 1063062_1$
$510510_1 = \chi_{67,0}$	.	.	.	.	1	1	$\varphi_{115,1} = 5298678_2$
$1225224_2 = \chi_{99,1}$	1	1	.	.	.	.	$\varphi_{106,1} = 4503114_2$
$5012280_1 = \chi_{165,0}$	.	.	.	1	1	.	$\varphi_{96,1} = 509166_2$
$6361740_1 = \chi_{176,0}$	.	1	1	.	.	.	$\varphi_{6,1} = 1344_2$
$9801792_1 = \chi_{195,0}$	.	.	1	1	.	.	

Block 7:	$\varphi_{6,0}$	$\varphi_{96,0}$	$\varphi_{106,0}$	$\varphi_{115,0}$	$\varphi_{120,1}$	$\varphi_{65,1}$
$1344_2 = \chi_{7,1}$	1	.	.	.	.	.
$162162_1 = \chi_{44,0}$	.	.	.	.	.	1
$510510_2 = \chi_{67,1}$	1	1	.	.	.	.
$1225224_1 = \chi_{99,0}$	.	.	.	.	1	1
$5012280_2 = \chi_{165,1}$	.	1	1	.	.	.
$6361740_2 = \chi_{176,1}$	.	.	.	1	1	.
$9801792_2 = \chi_{195,1}$	.	.	1	1	.	.

$\varphi_{6,0}$	$=$	1344_1	$\varphi_{115,0}$	$=$	5298678_1
$\varphi_{96,0}$	$=$	509166_1	$\varphi_{120,1}$	$=$	1063062_2
$\varphi_{106,0}$	$=$	4503114_1	$\varphi_{65,1}$	$=$	162162_2

Block 8:	$\varphi_{30,0}$	$\varphi_{137,0}$	$\varphi_{144,1}$	$\varphi_{135,1}$	$\varphi_{129,1}$	$\varphi_{12,1}$
$2380_1 = \chi_{9,0}$	.	.	.	.	.	1
$12376_2 = \chi_{18,1}$	1	.	.	.	.	.
$1233792_2 = \chi_{100,1}$	1	1	.	.	.	.
$1503684_1 = \chi_{111,0}$	.	.	.	.	1	1
$2784600_1 = \chi_{130,0}$	.	1	1	.	.	.
$4950400_1 = \chi_{164,0}$	.	.	.	1	1	.
$5012280_4 = \chi_{166,1}$	.	.	1	1	.	.

$$\begin{aligned}
\varphi_{30,0} &= 12376_1 & \varphi_{135,1} &= 3449096_2 \\
\varphi_{137,0} &= 1221416_1 & \varphi_{129,1} &= 1501304_2 \\
\varphi_{144,1} &= 1563184_2 & \varphi_{12,1} &= 2380_2
\end{aligned}$$

Block 9:	$\varphi_{12,0}$	$\varphi_{129,0}$	$\varphi_{135,0}$	$\varphi_{144,0}$	$\varphi_{137,1}$	$\varphi_{30,1}$
$2380_2 = \chi_{9,1}$	1	.	.	.	.	.
$12376_1 = \chi_{18,0}$	.	.	.	.	.	1
$1233792_1 = \chi_{100,0}$	.	.	.	.	1	1
$1503684_2 = \chi_{111,1}$	1	1	.	.	.	.
$2784600_2 = \chi_{130,1}$	.	.	.	1	1	.
$4950400_2 = \chi_{164,1}$	.	1	1	.	.	.
$5012280_3 = \chi_{166,0}$	.	.	1	1	.	.

$$\begin{aligned}
\varphi_{12,0} &= 2380_1 & \varphi_{144,0} &= 1563184_1 \\
\varphi_{129,0} &= 1501304_1 & \varphi_{137,1} &= 1221416_2 \\
\varphi_{135,0} &= 3449096_1 & \varphi_{30,1} &= 12376_2
\end{aligned}$$

Block 10:	$\varphi_{61,0}$	$\varphi_{83,0}$	$\varphi_{149,1}$	$\varphi_{141,1}$	$\varphi_{94,1}$	$\varphi_{10,1}$	
$4641_1 = \chi_{10,0}$	.	.	.	.	.	1	$\varphi_{61,0} = 459459_1$
$136136_1 = \chi_{42,0}$	.	.	.	.	1	1	$\varphi_{83,0} = 629629_1$
$459459_2 = \chi_{64,1}$	1	.	.	.	.	.	$\varphi_{149,1} = 4475471_2$
$1089088_2 = \chi_{93,1}$	1	1	.	.	.	.	$\varphi_{141,1} = 3544177_2$
$3675672_1 = \chi_{147,0}$	.	.	.	1	1	.	$\varphi_{94,1} = 131495_2$
$5105100_3 = \chi_{168,0}$	.	1	1	.	.	.	$\varphi_{10,1} = 4641_2$
$8019648_1 = \chi_{186,0}$	.	.	1	1	.	.	

Block 11:	$\varphi_{10,0}$	$\varphi_{94,0}$	$\varphi_{141,0}$	$\varphi_{149,0}$	$\varphi_{83,1}$	$\varphi_{61,1}$		
$4641_2 = \chi_{10,1}$	1	.	.	.	.	.	$\varphi_{10,0} =$	4641_1
$136136_2 = \chi_{42,1}$	1	1	.	.	.	.	$\varphi_{94,0} =$	131495_1
$459459_1 = \chi_{64,0}$	.	.	.	.	.	1	$\varphi_{141,0} =$	3544177_1
$1089088_1 = \chi_{93,0}$	.	.	.	.	1	1	$\varphi_{149,0} =$	4475471_1
$3675672_2 = \chi_{147,1}$	.	1	1	.	.	.	$\varphi_{83,1} =$	629629_2
$5105100_4 = \chi_{168,1}$	.	.	.	1	1	.	$\varphi_{61,1} =$	459459_2
$8019648_2 = \chi_{186,1}$	.	.	1	1	.	.		

Block 12:	$\varphi_{19,0}$	$\varphi_{130,0}$	$\varphi_{163,0}$	$\varphi_{163,1}$	$\varphi_{130,1}$	$\varphi_{19,1}$
$6188_1 = \chi_{13,0}$	.	.	.	.	.	1
$6188_2 = \chi_{13,1}$	1	.	.	.	.	.
$556920_1 = \chi_{68,0}$	.	.	.	.	1	1
$556920_2 = \chi_{68,1}$	1	1	.	.	.	.
$4511052_1 = \chi_{158,0}$	.	.	.	1	1	.
$4511052_2 = \chi_{158,1}$	.	1	1	.	.	.
$7920640_1 = \chi_{150+}$	.	.	1	1	.	.

$$\begin{array}{ll}
\varphi_{19,0} = 6188_1 & \varphi_{163,1} = 3960320_2 \\
\varphi_{130,0} = 550732_1 & \varphi_{130,1} = 550732_2 \\
\varphi_{163,0} = 3960320_1 & \varphi_{19,1} = 6188_2
\end{array}$$

Block 15:	$\varphi_{63,0}$	$\varphi_{118,0}$	$\varphi_{151,0}$	$\varphi_{164,1}$	$\varphi_{46,1}$	$\varphi_{14,1}$
$22848_1 = \chi_{21,0}$	.	.	.	.	.	1
$102102_1 = \chi_{37,0}$	.	.	.	.	1	1
$612612_6 = \chi_{74,1}$	1	.	.	.	.	.
$2042040_1 = \chi_{119,0}$	.	.	.	1	1	.
$7634088_2 = \chi_{183,1}$	1	1	.	.	.	.
$11277630_1 = \chi_{197,0}$	.	.	1	1	.	.
$16336320_2 = \chi_{200,1}$	.	1	1	.	.	.

$$\begin{array}{ll}
\varphi_{63,0} = 612612_2 & \varphi_{164,1} = 1962786_2 \\
\varphi_{118,0} = 7021476_1 & \varphi_{46,1} = 79254_2 \\
\varphi_{151,0} = 9314844_1 & \varphi_{14,1} = 22848_2
\end{array}$$

Block 16:	$\varphi_{14,0}$	$\varphi_{46,0}$	$\varphi_{164,0}$	$\varphi_{151,1}$	$\varphi_{118,1}$	$\varphi_{63,1}$
$22848_2 = \chi_{21,1}$	1	.	.	.	.	.
$102102_2 = \chi_{37,1}$	1	1	.	.	.	.
$612612_5 = \chi_{74,0}$	.	.	.	.	.	1
$2042040_2 = \chi_{119,1}$	.	1	1	.	.	.
$7634088_1 = \chi_{183,0}$	.	.	.	.	1	1
$11277630_2 = \chi_{197,1}$	.	.	1	1	.	.
$16336320_1 = \chi_{200,0}$	.	.	.	1	1	.

$$\begin{aligned}
\varphi_{14,0} &= 22848_1 & \varphi_{151,1} &= 9314844_2 \\
\varphi_{46,0} &= 79254_1 & \varphi_{118,1} &= 7021476_2 \\
\varphi_{164,0} &= 1962786_1 & \varphi_{63,1} &= 612612_3
\end{aligned}$$

Block 17:	$\varphi_{29,0}$	$\varphi_{103,0}$	$\varphi_{161,0}$	$\varphi_{160,1}$	$\varphi_{98,1}$	$\varphi_{18,1}$
$24192_1 = \chi_{22,0}$	.	.	.	.	.	1
$60060_2 = \chi_{30,1}$	1	.	.	.	.	.
$612612_1 = \chi_{72,0}$	.	.	.	.	1	1
$1272348_2 = \chi_{103,1}$	1	1	.	.	.	.
$4455360_2 = \chi_{157,1}$	.	1	1	.	.	.
$6534528_1 = \chi_{178,0}$	.	.	.	1	1	.
$9189180_1 = \chi_{192,0}$	.	.	1	1	.	.

$$\begin{aligned}
\varphi_{29,0} &= 60060_1 & \varphi_{160,1} &= 5946108_2 \\
\varphi_{103,0} &= 1212288_1 & \varphi_{98,1} &= 588420_2 \\
\varphi_{161,0} &= 3243072_1 & \varphi_{18,1} &= 24192_2
\end{aligned}$$

Block 18:	$\varphi_{18,0}$	$\varphi_{98,0}$	$\varphi_{160,0}$	$\varphi_{161,1}$	$\varphi_{103,1}$	$\varphi_{29,1}$
$24192_2 = \chi_{22,1}$	1	.	.	.	.	.
$60060_1 = \chi_{30,0}$	.	.	.	.	.	1
$612612_2 = \chi_{72,1}$	1	1	.	.	.	.
$1272348_1 = \chi_{103,0}$	.	.	.	.	1	1
$4455360_1 = \chi_{157,0}$	.	.	.	1	1	.
$6534528_2 = \chi_{178,1}$	.	1	1	.	.	.
$9189180_2 = \chi_{192,1}$	.	.	1	1	.	.

$$\begin{aligned}
\varphi_{18,0} &= 24192_1 & \varphi_{161,1} &= 3243072_2 \\
\varphi_{98,0} &= 588420_1 & \varphi_{103,1} &= 1212288_2 \\
\varphi_{160,0} &= 5946108_1 & \varphi_{29,1} &= 60060_2
\end{aligned}$$

Block 19:	$\varphi_{43,0}$	$\varphi_{109,0}$	$\varphi_{143,0}$	$\varphi_{158,1}$	$\varphi_{69,1}$	$\varphi_{16,1}$
$35343_1 = \chi_{26,0}$	.	.	.	.	.	1
$255255_2 = \chi_{50,1}$	1	.	.	.	.	.
$340340_1 = \chi_{57,0}$	.	.	.	.	1	1
$2756754_4 = \chi_{129,1}$	.	.	.	1	1	.
$5361664_2 = \chi_{171,1}$	1	1	.	.	.	.
$6534528_4 = \chi_{179,1}$	.	.	1	1	.	.
$9189180_4 = \chi_{193,1}$	.	1	1	.	.	.

$$\begin{aligned}
\varphi_{43,0} &= 255255_1 & \varphi_{158,1} &= 2451757_2 \\
\varphi_{109,0} &= 5106409_1 & \varphi_{69,1} &= 304997_2 \\
\varphi_{143,0} &= 4082771_1 & \varphi_{16,1} &= 35343_2
\end{aligned}$$

Block 20:	$\varphi_{16,0}$	$\varphi_{69,0}$	$\varphi_{158,0}$	$\varphi_{143,1}$	$\varphi_{109,1}$	$\varphi_{43,1}$
$35343_2 = \chi_{26,1}$	1	.	.	.	.	.
$255255_1 = \chi_{50,0}$	.	.	.	.	.	1
$340340_2 = \chi_{57,1}$	1	1	.	.	.	.
$2756754_3 = \chi_{129,0}$	.	1	1	.	.	.
$5361664_1 = \chi_{171,0}$	.	.	.	.	1	1
$6534528_3 = \chi_{179,0}$	.	.	1	1	.	.
$9189180_3 = \chi_{193,0}$	.	.	.	1	1	.

$$\begin{aligned}
\varphi_{16,0} &= 35343_1 & \varphi_{143,1} &= 4082771_2 \\
\varphi_{69,0} &= 304997_1 & \varphi_{109,1} &= 5106409_2 \\
\varphi_{158,0} &= 2451757_1 & \varphi_{43,1} &= 255255_2
\end{aligned}$$

Block 21:	$\varphi_{26,0}$	$\varphi_{72,0}$	$\varphi_{159,0}$	$\varphi_{134,1}$	$\varphi_{102,1}$	$\varphi_{28,1}$
$106029_1 = \chi_{38,0}$	.	.	.	.	.	1
$116025_2 = \chi_{41,1}$	1	.	.	.	.	.
$837760_2 = \chi_{83,1}$	1	1	.	.	.	.
$3267264_2 = \chi_{140,1}$	.	1	1	.	.	.
$3403400_1 = \chi_{142,0}$	.	.	.	.	1	1
$4594590_2 = \chi_{159,1}$	.	.	1	1	.	.
$5346432_1 = \chi_{170,0}$	.	.	.	1	1	.

$$\begin{aligned}
\varphi_{26,0} &= 116025_1 & \varphi_{134,1} &= 2049061_2 \\
\varphi_{72,0} &= 721735_1 & \varphi_{102,1} &= 3297371_2 \\
\varphi_{159,0} &= 2545529_1 & \varphi_{28,1} &= 106029_2
\end{aligned}$$

Block 22:	$\varphi_{28,0}$	$\varphi_{102,0}$	$\varphi_{134,0}$	$\varphi_{159,1}$	$\varphi_{72,1}$	$\varphi_{26,1}$
$106029_2 = \chi_{38,1}$	1	.	.	.	.	.
$116025_1 = \chi_{41,0}$	.	.	.	.	.	1
$837760_1 = \chi_{83,0}$	.	.	.	.	1	1
$3267264_1 = \chi_{140,0}$	.	.	.	1	1	.
$3403400_2 = \chi_{142,1}$	1	1	.	.	.	.
$4594590_1 = \chi_{159,0}$	.	.	1	1	.	.
$5346432_2 = \chi_{170,1}$	.	1	1	.	.	.

$$\begin{aligned}
\varphi_{28,0} &= 106029_1 & \varphi_{159,1} &= 2545529_2 \\
\varphi_{102,0} &= 3297371_1 & \varphi_{72,1} &= 721735_2 \\
\varphi_{134,0} &= 2049061_1 & \varphi_{26,1} &= 116025_2
\end{aligned}$$

Block 23:	$\varphi_{42,0}$	$\varphi_{108,0}$	$\varphi_{142,0}$	$\varphi_{157,1}$	$\varphi_{48,1}$	$\varphi_{23,1}$
$111384_1 = \chi_{39,0}$	.	.	.	.	.	1
$251328_2 = \chi_{49,1}$	1	.	.	.	.	.
$353430_1 = \chi_{58,0}$	.	.	.	.	1	1
$1021020_1 = \chi_{91,0}$	.	.	.	1	1	.
$6126120_2 = \chi_{174,1}$	1	1	.	.	.	.
$8270262_2 = \chi_{188,1}$	.	.	1	1	.	.
$13366080_2 = \chi_{198,1}$	.	1	1	.	.	.

$$\begin{aligned}
\varphi_{42,0} &= 251328_1 & \varphi_{157,1} &= 778974_2 \\
\varphi_{108,0} &= 5874792_1 & \varphi_{48,1} &= 242046_2 \\
\varphi_{142,0} &= 7491288_1 & \varphi_{23,1} &= 111384_2
\end{aligned}$$

Block 24:	$\varphi_{23,0}$	$\varphi_{48,0}$	$\varphi_{157,0}$	$\varphi_{142,1}$	$\varphi_{108,1}$	$\varphi_{42,1}$
$111384_2 = \chi_{39,1}$	1	.	.	.	.	.
$251328_1 = \chi_{49,0}$	.	.	.	.	.	1
$353430_2 = \chi_{58,1}$	1	1	.	.	.	.
$1021020_2 = \chi_{91,1}$	.	1	1	.	.	.
$6126120_1 = \chi_{174,0}$	.	.	.	.	1	1
$8270262_1 = \chi_{188,0}$	.	.	1	1	.	.
$13366080_1 = \chi_{198,0}$	.	.	.	1	1	.

$$\begin{aligned}
\varphi_{23,0} &= 111384_1 & \varphi_{142,1} &= 7491288_2 \\
\varphi_{48,0} &= 242046_1 & \varphi_{108,1} &= 5874792_2 \\
\varphi_{157,0} &= 778974_1 & \varphi_{42,1} &= 251328_2
\end{aligned}$$

Block 25:	$\varphi_{40,0}$	$\varphi_{76,0}$	$\varphi_{140,0}$	$\varphi_{132,1}$	$\varphi_{71,1}$	$\varphi_{25,1}$	
$182784_1 = \chi_{45,0}$	.	.	.	.	.	1	$\varphi_{40,0} = 612612_1$
$612612_4 = \chi_{73,1}$	1	.	.	.	.	.	$\varphi_{76,0} = 2568258_1$
$1531530_1 = \chi_{112,0}$	.	.	.	.	1	1	$\varphi_{140,0} = 3697092_1$
$2756754_1 = \chi_{128,0}$	.	.	.	1	1	.	$\varphi_{132,1} = 1408008_2$
$3180870_2 = \chi_{137,1}$	1	1	.	.	.	.	$\varphi_{71,1} = 1348746_2$
$5105100_2 = \chi_{167,1}$	.	.	1	1	.	.	$\varphi_{25,1} = 182784_2$
$6265350_2 = \chi_{175,1}$	.	1	1	.	.	.	

Block 26:	$\varphi_{25,0}$	$\varphi_{71,0}$	$\varphi_{132,0}$	$\varphi_{140,1}$	$\varphi_{76,1}$	$\varphi_{40,1}$	
$182784_2 = \chi_{45,1}$	1	.	.	.	.	.	$\varphi_{25,0} = 182784_1$
$612612_3 = \chi_{73,0}$	.	.	.	.	.	1	$\varphi_{71,0} = 1348746_1$
$1531530_2 = \chi_{112,1}$	1	1	.	.	.	.	$\varphi_{132,0} = 1408008_1$
$2756754_2 = \chi_{128,1}$	.	1	1	.	.	.	$\varphi_{140,1} = 3697092_2$
$3180870_1 = \chi_{137,0}$	.	.	.	.	1	1	$\varphi_{76,1} = 2568258_2$
$5105100_1 = \chi_{167,0}$	.	.	1	1	.	.	$\varphi_{40,1} = 612612_4$
$6265350_1 = \chi_{175,0}$	.	.	.	1	1	.	

Block 29:	$\varphi_{57,0}$	$\varphi_{79,0}$	$\varphi_{111,0}$	$\varphi_{104,1}$	$\varphi_{49,1}$	$\varphi_{35,1}$	
$228480_1 = \chi_{47,0}$	.	.	.	.	.	1	$\varphi_{57,0} = 848232_1$
$408408_1 = \chi_{62,0}$	.	.	.	1	1	.	$\varphi_{79,0} = 2122008_1$
$501228_1 = \chi_{66,0}$	.	.	.	.	1	1	$\varphi_{111,0} = 885360_1$
$848232_2 = \chi_{84,1}$	1	.	.	.	.	.	$\varphi_{104,1} = 135660_2$
$1021020_3 = \chi_{92,0}$	.	.	1	1	.	.	$\varphi_{49,1} = 272748_2$
$2970240_2 = \chi_{134,1}$	1	1	.	.	.	.	$\varphi_{35,1} = 228480_2$
$3007368_2 = \chi_{135,1}$	.	1	1	.	.	.	

Block 30:	$\varphi_{35,0}$	$\varphi_{49,0}$	$\varphi_{104,0}$	$\varphi_{111,1}$	$\varphi_{79,1}$	$\varphi_{57,1}$	
$228480_2 = \chi_{47,1}$	1	.	.	.	.	.	$\varphi_{35,0} = 228480_1$
$408408_2 = \chi_{62,1}$	.	1	1	.	.	.	$\varphi_{49,0} = 272748_1$
$501228_2 = \chi_{66,1}$	1	1	.	.	.	.	$\varphi_{104,0} = 135660_1$
$848232_1 = \chi_{84,0}$	.	.	.	.	.	1	$\varphi_{111,1} = 885360_2$
$1021020_4 = \chi_{92,1}$	.	.	1	1	.	.	$\varphi_{79,1} = 2122008_2$
$2970240_1 = \chi_{134,0}$	.	.	.	.	1	1	$\varphi_{57,1} = 848232_2$
$3007368_1 = \chi_{135,0}$	.	.	.	1	1	.	