

$O_{10}^-(2).2 \pmod{3}$

	blocks	defect	matrix
$G :$	1	6	117×36
	2	1	3×2
	3	1	3×2
	4	2	9×5
	5	2	9×5
	6	2	9×4
	7	1	3×2

	blocks	defect	matrix
	8	1	3×2
	9	0	$1363230_1 = \chi_{96+}, \varphi_{29+}$
	10	1	3×1
	11	0	$1403325_1 = \chi_{114,0}, \varphi_{34,0}$
	12	0	$1403325_2 = \chi_{114,1}, \varphi_{34,1}$
	13	0	$1403325_3 = \chi_{115,0}, \varphi_{35,0}$
	14	0	$1403325_4 = \chi_{115,1}, \varphi_{35,1}$

(Block 1:)	$\varphi_{21,0}$	$\varphi_{21,1}$	$\varphi_{25,0}$	$\varphi_{25,1}$
$1_1 = \chi_{1,0}$
$1_2 = \chi_{1,1}$
$154_1 = \chi_{2,0}$
$154_2 = \chi_{2,1}$
$187_1 = \chi_{3,0}$
$187_2 = \chi_{3,1}$
$340_1 = \chi_{4,0}$
$340_2 = \chi_{4,1}$
$1190_1 = \chi_{5+}$
$748_1 = \chi_{7,0}$
$748_2 = \chi_{7,1}$
$2244_1 = \chi_{8,0}$
$2244_2 = \chi_{8,1}$
$5236_1 = \chi_{9,0}$
$5236_2 = \chi_{9,1}$
$5236_3 = \chi_{10,0}$
$5236_4 = \chi_{10,1}$
$11900_1 = \chi_{11+}$
$6545_1 = \chi_{13,0}$
$6545_2 = \chi_{13,1}$
$6545_3 = \chi_{14,0}$
$6545_4 = \chi_{14,1}$
$7700_1 = \chi_{15,0}$
$7700_2 = \chi_{15,1}$
$9350_1 = \chi_{16,0}$
$9350_2 = \chi_{16,1}$
$13090_1 = \chi_{18,0}$
$13090_2 = \chi_{18,1}$
$14960_1 = \chi_{19,0}$
$14960_2 = \chi_{19,1}$
$15708_1 = \chi_{21,0}$
$15708_2 = \chi_{21,1}$
$31416_1 = \chi_{22+}$
$22848_1 = \chi_{24,0}$
$22848_2 = \chi_{24,1}$
$52360_1 = \chi_{25+}$
$32725_1 = \chi_{27,0}$
$32725_2 = \chi_{27,1}$
$35904_1 = \chi_{28,0}$
$35904_2 = \chi_{28,1}$

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$
$39270_1 = \chi_{29,0}$	1	.	1	.	1
$39270_2 = \chi_{29,1}$	1	.	1	.
$39270_3 = \chi_{30,0}$	1	.	.	.	.
$39270_4 = \chi_{30,1}$	1	.	.	.
$41888_1 = \chi_{31,0}$	1	.	1	.	1	.	1	.	.	.	.
$41888_2 = \chi_{31,1}$.	1	.	1	.	1	.	1	.	.	.
$56100_1 = \chi_{32,0}$.	.	.	1	.	.	1	1	.	.	.
$56100_2 = \chi_{32,1}$.	.	1	.	.	.	1	1	.	.	.
$59840_1 = \chi_{33,0}$	1	.	1	.	1	.	1	.	.	.	1
$59840_2 = \chi_{33,1}$.	1	.	1	.	1	.	1	.	.	.
$65450_1 = \chi_{34,0}$	1	.
$65450_2 = \chi_{34,1}$	1	.	.
$130900_1 = \chi_{35+}$	1	1	.	.	1
$142800_1 = \chi_{37+}$	1	1	.	.	.
$78540_1 = \chi_{39,0}$	1	.	.	.	1
$78540_2 = \chi_{39,1}$	1	.	.	.
$83776_1 = \chi_{40,0}$	1	.	.	1	1	.
$83776_2 = \chi_{40,1}$	1	.	.	.	1	1	.
$209440_1 = \chi_{41+}$	1	1	.	.	.
$123200_1 = \chi_{47,0}$	1	.	1	.	1	.	2	.	1	.	1
$123200_2 = \chi_{47,1}$.	1	.	1	.	1	.	2	.	1	.
$130900_2 = \chi_{48,0}$	1	.	1	.	1
$130900_3 = \chi_{48,1}$	1	.	1	.
$130900_4 = \chi_{49,0}$	1	1	1	1	1	1	1	1	1	1	.
$130900_5 = \chi_{49,1}$	1	1	1	1	1	1	1	1	1	1	1
$130900_6 = \chi_{50,0}$	1	.	.	.	.
$130900_7 = \chi_{50,1}$	1	.	.	.
$130900_8 = \chi_{51,0}$	1	1	.	.	.
$130900_9 = \chi_{51,1}$	1	1	.	.	1
$261800_1 = \chi_{52+}$	1	1	.
$157080_1 = \chi_{54,0}$
$157080_2 = \chi_{54,1}$
$157080_3 = \chi_{55,0}$
$157080_4 = \chi_{55,1}$
$380800_1 = \chi_{58+}$
$191488_1 = \chi_{60,0}$	1	.	1	.	.
$191488_2 = \chi_{60,1}$	1	.	1	.
$251328_1 = \chi_{63,0}$.	1	.	1	1	.	1	1	.	1	.
$251328_2 = \chi_{63,1}$	1	.	1	.	.	1	1	1	1	.	1
$502656_1 = \chi_{64+}$	1	1	1	1	1	1	2	2	1	1	1

(Block 1:)	$\varphi_{6,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{13,0}$	$\varphi_{13,1}$
39270 ₁ = $\chi_{29,0}$	.	.	.	1	.	.	.	.	.	1	.
39270 ₂ = $\chi_{29,1}$	1	.	.	.	1	.	.	.	.	.	1
39270 ₃ = $\chi_{30,0}$	.	.	1	.	.	.	.	.	.	.	.
39270 ₄ = $\chi_{30,1}$	.	1	.	.	.	.	.	.	.	.	.
41888 ₁ = $\chi_{31,0}$	.	.	.	.	1	1	.	.	.	.	.
41888 ₂ = $\chi_{31,1}$	.	.	.	1	.	.	1	.	.	.	.
56100 ₁ = $\chi_{32,0}$	.	.	.	.	1	1	.	1	.	.	.
56100 ₂ = $\chi_{32,1}$	.	.	.	1	.	.	1	.	1	.	.
59840 ₁ = $\chi_{33,0}$	.	.	.	.	.	.	.	.	.	1	.
59840 ₂ = $\chi_{33,1}$	1	.	.	.	.	.	.	.	.	.	1
65450 ₁ = $\chi_{34,0}$	.	1	.	.	.	.	.	.	.	.	.
65450 ₂ = $\chi_{34,1}$	.	.	1	.	.	.	.	.	.	.	.
130900 ₁ = χ_{35+}	1	.	.	1	1	.	.	.	.	1	1
142800 ₁ = χ_{37+}	.	1	1	1	1	.	.	.	.	1	1
78540 ₁ = $\chi_{39,0}$	.	1	.	.	.	.	.	1	.	1	.
78540 ₂ = $\chi_{39,1}$	1	.	1	.	.	.	.	.	1	.	1
83776 ₁ = $\chi_{40,0}$	.	.	.	1	.	.	1	.	1	.	.
83776 ₂ = $\chi_{40,1}$	.	.	.	.	1	1	.	1	.	.	.
209440 ₁ = χ_{41+}	.	.	.	1	1	.	.	.	.	.	.
123200 ₁ = $\chi_{47,0}$	.	.	.	1	1	1	.	1	.	1	.
123200 ₂ = $\chi_{47,1}$	1	.	.	1	1	.	1	.	1	.	1
130900 ₂ = $\chi_{48,0}$	.	1	.	1	.	.	.	.	.	1	.
130900 ₃ = $\chi_{48,1}$	1	.	1	.	1	.	.	.	.	.	1
130900 ₄ = $\chi_{49,0}$	1	.	.	1	1	1	1	.	1	.	.
130900 ₅ = $\chi_{49,1}$	.	.	.	1	1	1	1	1	.	.	.
130900 ₆ = $\chi_{50,0}$	.	.	.	1	.	.	.	.	.	1	.
130900 ₇ = $\chi_{50,1}$	.	.	.	.	1	.	.	.	.	.	1
130900 ₈ = $\chi_{51,0}$	1	.	1	.	1	.	.	.	.	1	1
130900 ₉ = $\chi_{51,1}$	.	1	.	1	.	.	.	.	.	1	1
261800 ₁ = χ_{52+}	.	.	.	1	1	.	.	.	.	.	.
157080 ₁ = $\chi_{54,0}$	.	1	.	1	.	.	.	.	.	1	.
157080 ₂ = $\chi_{54,1}$	.	.	1	.	1	.	.	.	.	.	1
157080 ₃ = $\chi_{55,0}$	.	.	.	.	1	.	.	.	.	.	.
157080 ₄ = $\chi_{55,1}$	.	.	.	1	.	.	.	.	.	.	.
380800 ₁ = χ_{58+}	.	.	.	1	1	.	.	.	.	.	.
191488 ₁ = $\chi_{60,0}$	.	.	1	1	1	1	.	1	.	.	.
191488 ₂ = $\chi_{60,1}$	.	1	.	1	1	.	1	.	1	.	.
251328 ₁ = $\chi_{63,0}$	1	.	.	.	1	1	.	1	.	.	.
251328 ₂ = $\chi_{63,1}$	.	.	.	1	.	.	1	.	1	.	.
502656 ₁ = χ_{64+}	1	1	1	2	2	1	1	1	1	1	1

(Block 1:)	$\varphi_{21,0}$	$\varphi_{21,1}$	$\varphi_{25,0}$	$\varphi_{25,1}$
$39270_1 = \chi_{29,0}$
$39270_2 = \chi_{29,1}$
$39270_3 = \chi_{30,0}$
$39270_4 = \chi_{30,1}$
$41888_1 = \chi_{31,0}$
$41888_2 = \chi_{31,1}$
$56100_1 = \chi_{32,0}$
$56100_2 = \chi_{32,1}$
$59840_1 = \chi_{33,0}$
$59840_2 = \chi_{33,1}$
$65450_1 = \chi_{34,0}$
$65450_2 = \chi_{34,1}$
$130900_1 = \chi_{35+}$
$142800_1 = \chi_{37+}$
$78540_1 = \chi_{39,0}$
$78540_2 = \chi_{39,1}$
$83776_1 = \chi_{40,0}$
$83776_2 = \chi_{40,1}$
$209440_1 = \chi_{41+}$
$123200_1 = \chi_{47,0}$
$123200_2 = \chi_{47,1}$
$130900_2 = \chi_{48,0}$
$130900_3 = \chi_{48,1}$
$130900_4 = \chi_{49,0}$
$130900_5 = \chi_{49,1}$
$130900_6 = \chi_{50,0}$
$130900_7 = \chi_{50,1}$
$130900_8 = \chi_{51,0}$
$130900_9 = \chi_{51,1}$
$261800_1 = \chi_{52+}$
$157080_1 = \chi_{54,0}$
$157080_2 = \chi_{54,1}$
$157080_3 = \chi_{55,0}$
$157080_4 = \chi_{55,1}$
$380800_1 = \chi_{58+}$
$191488_1 = \chi_{60,0}$
$191488_2 = \chi_{60,1}$
$251328_1 = \chi_{63,0}$	1	.	.	.
$251328_2 = \chi_{63,1}$.	1	.	.
$502656_1 = \chi_{64+}$

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$
261800 ₂ = $\chi_{66,0}$	1	.
261800 ₃ = $\chi_{66,1}$	1	.	1
261800 ₄ = $\chi_{67,0}$	1	.	.	.	1
261800 ₅ = $\chi_{67,1}$	1	.	.	.
261800 ₆ = $\chi_{68,0}$	1	.
261800 ₇ = $\chi_{68,1}$	1	.	.
294525 ₁ = $\chi_{69,0}$	2	.
294525 ₂ = $\chi_{69,1}$	2	.	.
294525 ₃ = $\chi_{70,0}$
294525 ₄ = $\chi_{70,1}$
589050 ₁ = χ_{71+}
314160 ₁ = $\chi_{74,0}$
314160 ₂ = $\chi_{74,1}$
348160 ₁ = $\chi_{75,0}$	1	.	.	.	1	.	1	.	1	1	1
348160 ₂ = $\chi_{75,1}$.	1	.	.	.	1	.	1	1	1	.
418880 ₁ = $\chi_{76,0}$
418880 ₂ = $\chi_{76,1}$
418880 ₃ = $\chi_{77,0}$	1	.	.	.	.
418880 ₄ = $\chi_{77,1}$	1	.	.	.
1047200 ₁ = χ_{82+}	1	1	1	1	1
1178100 ₁ = χ_{88+}
1178100 ₂ = χ_{90+}	2	2	.
598400 ₁ = $\chi_{92,0}$	1	1	.	1	1	1	1	1	1	1	1
598400 ₂ = $\chi_{92,1}$	1	1	1	.	1	1	1	1	1	1	1
1218560 ₁ = χ_{93+}
630784 ₁ = $\chi_{95,0}$	1	.	1	.	1	1	.
630784 ₂ = $\chi_{95,1}$	1	.	1	1	1	.
765952 ₁ = $\chi_{104,0}$.	1	.	.	1	.	.	.	.	1	.
765952 ₂ = $\chi_{104,1}$	1	.	.	.	.	1	.	.	1	.	1
837760 ₁ = $\chi_{105,0}$	1	.	.	.	.
837760 ₂ = $\chi_{105,1}$	1	.	.	.
1047200 ₂ = $\chi_{109,0}$	1	1	.	1	.
1047200 ₃ = $\chi_{109,1}$	1	1	1	.	1
1048576 ₁ = $\chi_{110,0}$	1	.	.	.	.	1	.
1048576 ₂ = $\chi_{110,1}$	1	.	.	1	.	.
1178100 ₃ = $\chi_{113,0}$	2	.
1178100 ₄ = $\chi_{113,1}$	2	.	.

(Block 1:)	$\varphi_{6,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{13,0}$	$\varphi_{13,1}$
261800 ₂ = $\chi_{66,0}$	1	.	.	.	.	.	.	.	1	.	.
261800 ₃ = $\chi_{66,1}$	.	.	.	.	.	.	.	1	.	.	.
261800 ₄ = $\chi_{67,0}$	.	.	.	.	.	.	.	1	.	1	.
261800 ₅ = $\chi_{67,1}$	1	.	.	.	.	.	.	.	1	.	1
261800 ₆ = $\chi_{68,0}$	.	1	.	1	1	.	.	.	.	.	.
261800 ₇ = $\chi_{68,1}$	.	.	1	1	1	.	.	.	.	.	.
294525 ₁ = $\chi_{69,0}$	.	1	.	.	.	.	.	.	1	.	.
294525 ₂ = $\chi_{69,1}$	.	.	1	.	.	.	.	1	.	.	.
294525 ₃ = $\chi_{70,0}$	.	1	.	.	.	.	.	.	.	.	.
294525 ₄ = $\chi_{70,1}$	.	.	1	.	.	.	.	.	.	.	.
589050 ₁ = χ_{71+}	.	.	.	2	2	.	.	.	.	.	.
314160 ₁ = $\chi_{74,0}$	.	.	.	.	1	.	.	.	.	.	.
314160 ₂ = $\chi_{74,1}$	.	.	.	1	.	.	.	.	.	.	.
348160 ₁ = $\chi_{75,0}$	.	1	.	1	1	1	.	1	.	1	.
348160 ₂ = $\chi_{75,1}$	1	.	1	1	1	.	1	.	1	.	1
418880 ₁ = $\chi_{76,0}$	.	1	.	.	.	.	.	.	.	1	.
418880 ₂ = $\chi_{76,1}$	.	.	1	.	.	.	.	.	.	.	1
418880 ₃ = $\chi_{77,0}$	.	1	.	2	1	.	.	.	.	1	.
418880 ₄ = $\chi_{77,1}$	.	.	1	1	2	.	.	.	.	.	1
1047200 ₁ = χ_{82+}	1	1	1	2	2	.	.	1	1	1	1
1178100 ₁ = χ_{88+}	.	1	1	2	2	.	.	.	.	.	.
1178100 ₂ = χ_{90+}	.	1	1	2	2	.	.	1	1	.	.
598400 ₁ = $\chi_{92,0}$	1	.	1	1	2	1	.	1	.	1	1
598400 ₂ = $\chi_{92,1}$	1	1	.	2	1	.	1	.	1	1	1
1218560 ₁ = χ_{93+}	.	1	1	1	1	.	.	.	.	1	1
630784 ₁ = $\chi_{95,0}$	.	.	1	1	2	1	.	1	.	.	.
630784 ₂ = $\chi_{95,1}$	.	1	.	2	1	.	1	.	1	.	.
765952 ₁ = $\chi_{104,0}$	1	.	1	.	1	.	.	.	.	1	1
765952 ₂ = $\chi_{104,1}$	.	1	.	1	.	.	.	.	.	1	1
837760 ₁ = $\chi_{105,0}$	.	.	1	1	1	.	.	.	.	1	.
837760 ₂ = $\chi_{105,1}$	.	1	.	1	1	.	.	.	.	.	1
1047200 ₂ = $\chi_{109,0}$	1	1	1	1	2	.	.	.	1	1	1
1047200 ₃ = $\chi_{109,1}$	.	1	1	2	1	.	.	1	.	1	1
1048576 ₁ = $\chi_{110,0}$	.	1	.	1	1	.	.	.	.	1	.
1048576 ₂ = $\chi_{110,1}$	.	.	1	1	1	.	.	.	.	.	1
1178100 ₃ = $\chi_{113,0}$	.	2	.	2	2	.	.	.	1	.	.
1178100 ₄ = $\chi_{113,1}$	.	.	2	2	2	.	.	1	.	.	.

(Block 1:)	$\varphi_{14,0}$	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{17,1}$	$\varphi_{20,0}$	$\varphi_{20,1}$
261800 ₂ = $\chi_{66,0}$	1	.	.	.	1	.	.	.	.	.
261800 ₃ = $\chi_{66,1}$	.	1	.	.	.	1	.	.	.	.
261800 ₄ = $\chi_{67,0}$	1	.	1	.	.	.	.	.	.	.
261800 ₅ = $\chi_{67,1}$	.	1	.	1	.	.	.	.	.	.
261800 ₆ = $\chi_{68,0}$	.	.	.	.	1	.	.	1	1	.
261800 ₇ = $\chi_{68,1}$	.	.	.	.	.	1	1	.	.	1
294525 ₁ = $\chi_{69,0}$	.	.	.	.	2	.	.	.	.	.
294525 ₂ = $\chi_{69,1}$	.	.	.	.	.	2	.	.	.	.
294525 ₃ = $\chi_{70,0}$	.	.	.	.	.	.	.	.	.	.
294525 ₄ = $\chi_{70,1}$	.	.	.	.	.	.	.	.	.	.
589050 ₁ = χ_{71+}	.	.	1	1	.	.	2	2	1	1
314160 ₁ = $\chi_{74,0}$	1	.	.	.	.	.	.	.	.	1
314160 ₂ = $\chi_{74,1}$	.	1	.	.	.	.	.	.	1	.
348160 ₁ = $\chi_{75,0}$	1	.	1	.	1	.	.	.	.	.
348160 ₂ = $\chi_{75,1}$	.	1	.	1	.	1	.	.	.	.
418880 ₁ = $\chi_{76,0}$	.	.	1	.	.	.	1	.	.	.
418880 ₂ = $\chi_{76,1}$	.	.	.	1	.	.	.	1	.	.
418880 ₃ = $\chi_{77,0}$	1	.	1	.	1	.	1	1	1	.
418880 ₄ = $\chi_{77,1}$	.	1	.	1	.	1	1	1	.	1
1047200 ₁ = χ_{82+}	1	1	1	1	1	1	1	1	1	1
1178100 ₁ = χ_{88+}	.	.	1	1	.	.	2	2	1	1
1178100 ₂ = χ_{90+}	.	.	1	1	2	2	2	2	1	1
598400 ₁ = $\chi_{92,0}$	1	1	1	.	.	1	1	.	.	1
598400 ₂ = $\chi_{92,1}$	1	1	.	1	1	.	.	1	1	.
1218560 ₁ = χ_{93+}	.	.	1	1	.	.	2	2	1	1
630784 ₁ = $\chi_{95,0}$	1	.	1	.	1	1	1	1	.	1
630784 ₂ = $\chi_{95,1}$	.	1	.	1	1	1	1	1	1	.
765952 ₁ = $\chi_{104,0}$	1	.	1	.	.	.	1	.	.	1
765952 ₂ = $\chi_{104,1}$	.	1	.	1	.	.	.	1	1	.
837760 ₁ = $\chi_{105,0}$	1	.	2	.	.	.	2	.	.	1
837760 ₂ = $\chi_{105,1}$	.	1	.	2	.	.	.	2	1	.
1047200 ₂ = $\chi_{109,0}$	1	.	2	1	1	.	2	1	.	1
1047200 ₃ = $\chi_{109,1}$	.	1	1	2	.	1	1	2	1	.
1048576 ₁ = $\chi_{110,0}$	1	.	1	.	1	.	2	1	1	1
1048576 ₂ = $\chi_{110,1}$	.	1	.	1	.	1	1	2	1	1
1178100 ₃ = $\chi_{113,0}$	.	.	1	1	2	.	2	2	1	1
1178100 ₄ = $\chi_{113,1}$	.	.	1	1	.	2	2	2	1	1

(Block 1:)	$\varphi_{21,0}$	$\varphi_{21,1}$	$\varphi_{25,0}$	$\varphi_{25,1}$		
$261800_2 = \chi_{66,0}$	1	.	.	.	$\varphi_{1,0} =$	1_1
$261800_3 = \chi_{66,1}$	.	1	.	.	$\varphi_{1,1} =$	1_2
$261800_4 = \chi_{67,0}$	1	.	.	.	$\varphi_{2,0} =$	153_1
$261800_5 = \chi_{67,1}$	.	1	.	.	$\varphi_{2,1} =$	153_2
$261800_6 = \chi_{68,0}$	.	.	.	.	$\varphi_{3,0} =$	186_1
$261800_7 = \chi_{68,1}$	.	.	.	.	$\varphi_{3,1} =$	186_2
$294525_1 = \chi_{69,0}$	1	.	.	.	$\varphi_{4,0} =$	595_1
$294525_2 = \chi_{69,1}$	.	1	.	.	$\varphi_{4,1} =$	595_2
$294525_3 = \chi_{70,0}$	.	.	1	.	$\varphi_{5,0} =$	2058_1
$294525_4 = \chi_{70,1}$	.	.	.	1	$\varphi_{5,1} =$	2058_2
$589050_1 = \chi_{71+}$	.	.	.	.	$\varphi_{6,0} =$	4487_1
$314160_1 = \chi_{74,0}$	1	.	.	.	$\varphi_{6,1} =$	4487_2
$314160_2 = \chi_{74,1}$	.	1	.	.	$\varphi_{7,0} =$	5236_1
$348160_1 = \chi_{75,0}$	1	.	.	.	$\varphi_{7,1} =$	5236_2
$348160_2 = \chi_{75,1}$	.	1	.	.	$\varphi_{8,0} =$	5950_1
$418880_1 = \chi_{76,0}$	.	.	1	.	$\varphi_{8,1} =$	5950_2
$418880_2 = \chi_{76,1}$	.	.	.	1	$\varphi_{9,0} =$	6765_1
$418880_3 = \chi_{77,0}$	.	.	.	.	$\varphi_{9,1} =$	6765_2
$418880_4 = \chi_{77,1}$	.	.	.	.	$\varphi_{10,0} =$	8603_1
$1047200_1 = \chi_{82+}$	1	1	.	.	$\varphi_{10,1} =$	8603_2
$1178100_1 = \chi_{88+}$	.	.	1	1	$\varphi_{13,0} =$	26180_1
$1178100_2 = \chi_{90+}$	1	1	.	.	$\varphi_{13,1} =$	26180_2
$598400_1 = \chi_{92,0}$	1	.	.	.	$\varphi_{14,0} =$	28238_1
$598400_2 = \chi_{92,1}$	.	1	.	.	$\varphi_{14,1} =$	28238_2
$1218560_1 = \chi_{93+}$	.	.	1	1	$\varphi_{15,0} =$	33439_1
$630784_1 = \chi_{95,0}$	1	.	.	.	$\varphi_{15,1} =$	33439_2
$630784_2 = \chi_{95,1}$	.	1	.	.	$\varphi_{16,0} =$	58156_1
$765952_1 = \chi_{104,0}$	1	.	1	.	$\varphi_{16,1} =$	58156_2
$765952_2 = \chi_{104,1}$	.	1	.	1	$\varphi_{17,0} =$	64736_1
$837760_1 = \chi_{105,0}$	1	.	1	.	$\varphi_{17,1} =$	64736_2
$837760_2 = \chi_{105,1}$	.	1	.	1	$\varphi_{20,0} =$	119714_1
$1047200_2 = \chi_{109,0}$	1	.	1	.	$\varphi_{20,1} =$	119714_2
$1047200_3 = \chi_{109,1}$	.	1	.	1	$\varphi_{21,0} =$	160258_1
$1048576_1 = \chi_{110,0}$	1	.	1	.	$\varphi_{21,1} =$	160258_2
$1048576_2 = \chi_{110,1}$	.	1	.	1	$\varphi_{25,0} =$	289289_1
$1178100_3 = \chi_{113,0}$	1	.	1	.	$\varphi_{25,1} =$	289289_2
$1178100_4 = \chi_{113,1}$	.	1	.	1		

Block 2:	$\varphi_{11,0}$	$\varphi_{22,1}$	
$10692_1 = \chi_{17,0}$	1	.	$\varphi_{11,0} = 10692_1$
$171072_2 = \chi_{56,1}$	.	1	$\varphi_{22,1} = 171072_2$
$181764_2 = \chi_{57,1}$	1	1	

Block 3:	$\varphi_{11,1}$	$\varphi_{22,0}$	
$10692_2 = \chi_{17,1}$	1	.	$\varphi_{11,1} = 10692_2$
$171072_1 = \chi_{56,0}$	.	1	$\varphi_{22,0} = 171072_1$
$181764_1 = \chi_{57,0}$	1	1	

Block 4:	$\varphi_{12,0}$	$\varphi_{18,1}$	$\varphi_{23,1}$	$\varphi_{26,0}$	$\varphi_{28,0}$	
$15147_1 = \chi_{20,0}$	1	.	.	.	.
$106029_2 = \chi_{43,1}$	.	1	.	.	.	$\varphi_{12,0} = 15147_1$
$212058_3 = \chi_{61,1}$	1	.	1	.	.	$\varphi_{18,1} = 106029_2$
$302940_2 = \chi_{73,1}$	.	1	1	.	.	$\varphi_{23,1} = 196911_2$
$424116_1 = \chi_{78,0}$	.	.	.	1	.	$\varphi_{26,0} = 424116_1$
$530145_1 = \chi_{84,0}$	.	.	.	.	1	$\varphi_{28,0} = 530145_1$
$848232_3 = \chi_{106,1}$	1	1	1	.	1	
$969408_1 = \chi_{108,0}$	1	.	.	1	1	
$1060290_2 = \chi_{111,0}$	.	1	.	1	1	

Block 5:	$\varphi_{12,1}$	$\varphi_{18,0}$	$\varphi_{23,0}$	$\varphi_{26,1}$	$\varphi_{28,1}$	
$15147_2 = \chi_{20,1}$	1	.	.	.	.
$106029_1 = \chi_{43,0}$	.	1	.	.	.	$\varphi_{12,1} = 15147_2$
$212058_2 = \chi_{61,0}$	1	.	1	.	.	$\varphi_{18,0} = 106029_1$
$302940_1 = \chi_{73,0}$	.	1	1	.	.	$\varphi_{23,0} = 196911_1$
$424116_2 = \chi_{78,1}$	.	.	.	1	.	$\varphi_{26,1} = 424116_2$
$530145_2 = \chi_{84,1}$	.	.	.	.	1	$\varphi_{28,1} = 530145_2$
$848232_2 = \chi_{106,0}$	1	1	1	.	1	
$969408_2 = \chi_{108,1}$	1	.	.	1	1	
$1060290_3 = \chi_{111,1}$	.	1	.	1	1	

Block 6:	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{27,0}$	$\varphi_{27,1}$	
$106029_3 = \chi_{44,0}$	1	.	.	.	
$106029_4 = \chi_{44,1}$	.	1	.	.	
$212058_1 = \chi_{45+}$	1	1	.	.	$\varphi_{19,0} = 106029_3$
$424116_3 = \chi_{79,0}$	.	.	1	.	$\varphi_{19,1} = 106029_4$
$424116_4 = \chi_{79,1}$	.	.	.	1	$\varphi_{27,0} = 424116_3$
$848232_1 = \chi_{80+}$	.	.	1	1	$\varphi_{27,1} = 424116_4$
$530145_3 = \chi_{85,0}$	1	.	1	.	
$530145_4 = \chi_{85,1}$	.	1	.	1	
$1060290_1 = \chi_{86+}$	1	1	1	1	

Block 7:	$\varphi_{24,0}$	$\varphi_{33,1}$	
$227205_1 = \chi_{62,0}$	1	.	$\varphi_{24,0} = 227205_1$
$908820_2 = \chi_{107,1}$	.	1	$\varphi_{33,1} = 908820_2$
$1136025_2 = \chi_{112,1}$	1	1	

Block 8:	$\varphi_{24,1}$	$\varphi_{33,0}$	
$227205_2 = \chi_{62,1}$	1	.	$\varphi_{24,1} = 227205_2$
$908820_1 = \chi_{107,0}$	.	1	$\varphi_{33,0} = 908820_1$
$1136025_1 = \chi_{112,0}$	1	1	

Block 10:	φ_{31+}	
$1445850_1 = \chi_{98+}$	1	$\varphi_{31+} = 1445850_1$
$1445850_2 = \chi_{100+}$	1	
$1445850_3 = \chi_{102+}$	1	