

$O_8^-(3) \pmod{3}$

	blocks	defect	matrix
$G :$	1 2	12 0	111×44 $531441_1 = \chi_{103}, \varphi_{45}$

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$246_1 = \chi_2$	.	2	.	.	.	1	.	.	1	.	.	.	.	.
$287_1 = \chi_3$	1	.	.	.	.	1	1	.	1	.	.	.	.	.
$287_2 = \chi_4$	1	.	.	.	.	1	1	.	1	.	.	.	.	.
$533_1 = \chi_5$	1	2	1	.	.	.	.	1	.	.	.	.	1	.
$533_2 = \chi_6$	1	2	1	.	.	.	.	1	.	.	.	.	1	.
$574_1 = \chi_7$	.	2	.	1	1	.	.	1	.	.	.	.	1	.
$819_1 = \chi_8$	1	.	.	.	.	3	.	.	1	.	.	.	.	.
$3731_1 = \chi_9$	.	1	4	.	.	.	3	1	.	.	.	1	.	.
$3731_2 = \chi_{10}$	.	1	4	.	.	.	3	1	.	.	.	1	.	.
$7749_1 = \chi_{11}$	2	4	4	1	1	.	2	4	.	1	1	.	2	.
$7749_2 = \chi_{12}$	1	2	4	1	1	.	2	.	1	1	1	2	.	.
$11193_1 = \chi_{13}$	2	3	2	1	1	4	4	1	2	.	.	1	.	.
$11193_2 = \chi_{14}$	2	3	2	1	1	4	4	1	2	.	.	1	.	.
$11193_3 = \chi_{15}$	.	1	.	2	2	1	1	1	2	1	1	.	.	.
$11193_4 = \chi_{16}$	.	1	.	2	2	1	1	1	2	1	1	.	.	.
$14391_1 = \chi_{17}$	4	4	2	3	3	2	2	4	1	1	1	.	2	.
$14391_2 = \chi_{18}$	3	2	2	3	3	2	2	.	2	1	1	2	.	.
$14924_1 = \chi_{19}$	4	2	6	2	2	5	6	2	2	.	.	2	.	.
$14924_2 = \chi_{20}$	2	3	4	1	1	2	4	2	.	1	1	2	1	1
$14924_3 = \chi_{21}$	2	3	4	1	1	2	4	2	.	1	1	2	1	1
$21320_1 = \chi_{22}$	.	.	.	3	3	.	2	.	.	3	3	2	1	1
$22386_1 = \chi_{23}$	.	2	6	.	.	1	4	2	.	.	.	1	.	.
$22386_2 = \chi_{24}$	2	3	2	3	3	2	4	1	.	2	2	4	2	2
$25830_1 = \chi_{25}$	3	3	6	4	4	5	6	3	3	1	1	2	.	.
$25830_2 = \chi_{26}$	3	3	6	4	4	5	6	3	3	1	1	2	.	.
$33579_1 = \chi_{27}$	2	4	2	1	1	3	5	5	2	.	.	.	.	.
$33579_2 = \chi_{28}$	2	4	2	1	1	3	5	5	2	.	.	.	.	.
$33579_3 = \chi_{29}$	3	7	7	2	2	.	5	3	.	1	1	5	2	2
$33579_4 = \chi_{30}$	3	7	7	2	2	.	5	3	.	1	1	5	2	2
$37310_1 = \chi_{31}$	1	2	6	1	1	1	4	2	1	2	2	1	.	.
$37310_2 = \chi_{32}$	1	2	6	1	1	1	4	2	1	2	2	1	.	.
$44772_1 = \chi_{33}$	5	10	12	4	4	4	8	6	3	2	2	3	2	.
$47970_1 = \chi_{34}$	3	9	9	2	2	2	10	6	.	2	2	3	3	1
$47970_2 = \chi_{35}$	3	9	9	2	2	2	10	6	.	2	2	3	3	1
$51660_1 = \chi_{36}$	4	9	6	3	3	4	10	4	2	2	2	4	3	1
$59696_1 = \chi_{37}$	6	14	12	3	3	6	14	8	2	2	2	4	4	1
$59696_2 = \chi_{38}$	5	4	8	5	5	7	8	4	5	3	3	2	.	.
$59696_3 = \chi_{39}$	4	12	12	4	4	2	13	7	.	3	3	6	5	2
$66339_1 = \chi_{40}$	4	4	4	2	2	6	8	4	3	2	2	.	.	.

(Block 1:)	φ_{15}	φ_{16}	φ_{17}	φ_{18}	φ_{19}	φ_{20}	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}
$1_1 = \chi_1$	.	.	.	.	.	.	.	.	.	.	.	.	.
$246_1 = \chi_2$	.	.	.	.	.	.	.	.	.	.	.	.	.
$287_1 = \chi_3$	.	.	.	.	.	.	.	.	.	.	.	.	.
$287_2 = \chi_4$	.	.	.	.	.	.	.	.	.	.	.	.	.
$533_1 = \chi_5$	.	.	.	.	.	.	.	.	.	.	.	.	.
$533_2 = \chi_6$	.	.	.	.	.	.	.	.	.	.	.	.	.
$574_1 = \chi_7$	.	.	.	.	.	.	.	.	.	.	.	.	.
$819_1 = \chi_8$	.	1	.	.	.	.	.	.	.	.	.	.	.
$3731_1 = \chi_9$	.	.	.	.	.	1	.	1	.	.	.	.	.
$3731_2 = \chi_{10}$	.	.	.	.	.	1	.	1	.	.	.	.	.
$7749_1 = \chi_{11}$	.	.	.	.	.	.	.	1	.	.	.	.	.
$7749_2 = \chi_{12}$	.	1	.	.	.	.	.	1	1	1	.	.	.
$11193_1 = \chi_{13}$	.	1	.	.	1	1	.	.	.	.	.	.	.
$11193_2 = \chi_{14}$	.	1	.	.	1	1	.	.	.	.	.	.	.
$11193_3 = \chi_{15}$	.	.	.	.	.	.	1	.	.	.	.	.	.
$11193_4 = \chi_{16}$	.	.	.	.	.	.	1	.	.	.	.	.	.
$14391_1 = \chi_{17}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$14391_2 = \chi_{18}$	.	1	.	.	.	.	.	.	1	1	.	.	.
$14924_1 = \chi_{19}$	.	1	.	.	.	2	.	1	.	.	.	.	.
$14924_2 = \chi_{20}$	1	1	.	.	1	1	.	1	.	.	.	.	.
$14924_3 = \chi_{21}$	1	1	.	.	1	1	.	1	.	.	.	.	.
$21320_1 = \chi_{22}$	1	.	1	1	.	.	.	.	1	1	.	1	1
$22386_1 = \chi_{23}$	.	2	.	.	1	2	.	2	.	.	.	.	.
$22386_2 = \chi_{24}$	2	.	.	.	.	1	.	.	.	.	.	1	1
$25830_1 = \chi_{25}$	.	1	.	.	.	2	1	1	.	.	.	.	.
$25830_2 = \chi_{26}$	.	1	.	.	.	2	1	1	.	.	.	.	.
$33579_1 = \chi_{27}$	.	2	.	.	1	1	2	1	.	.	1	.	.
$33579_2 = \chi_{28}$	.	2	.	.	1	1	2	1	.	.	1	.	.
$33579_3 = \chi_{29}$	2	.	.	.	2	1	.	1	.	.	.	.	.
$33579_4 = \chi_{30}$	2	.	.	.	2	1	.	1	.	.	.	.	.
$37310_1 = \chi_{31}$	.	2	1	1	1	1	1	2	1	1	.	.	.
$37310_2 = \chi_{32}$	.	2	1	1	1	1	1	2	1	1	.	.	.
$44772_1 = \chi_{33}$	.	3	.	.	1	2	.	3	1	1	.	.	.
$47970_1 = \chi_{34}$	1	1	.	.	1	2	.	2	.	.	1	.	.
$47970_2 = \chi_{35}$	1	1	.	.	1	2	.	2	.	.	1	.	.
$51660_1 = \chi_{36}$	1	.	.	.	.	2	.	.	.	.	1	1	1
$59696_1 = \chi_{37}$	1	2	.	.	2	3	.	2	.	.	1	.	.
$59696_2 = \chi_{38}$	.	3	1	1	1	2	2	2	1	1	.	.	.
$59696_3 = \chi_{39}$	2	.	.	.	.	3	.	2	.	.	1	1	1
$66339_1 = \chi_{40}$	.	4	.	.	1	.	.	3	.	.	.	.	.

(Block 1:)	φ_{41}	φ_{42}	φ_{43}	φ_{44}
$1_1 = \chi_1$
$246_1 = \chi_2$
$287_1 = \chi_3$
$287_2 = \chi_4$
$533_1 = \chi_5$
$533_2 = \chi_6$
$574_1 = \chi_7$
$819_1 = \chi_8$
$3731_1 = \chi_9$
$3731_2 = \chi_{10}$
$7749_1 = \chi_{11}$
$7749_2 = \chi_{12}$
$11193_1 = \chi_{13}$
$11193_2 = \chi_{14}$
$11193_3 = \chi_{15}$
$11193_4 = \chi_{16}$
$14391_1 = \chi_{17}$
$14391_2 = \chi_{18}$
$14924_1 = \chi_{19}$
$14924_2 = \chi_{20}$
$14924_3 = \chi_{21}$
$21320_1 = \chi_{22}$
$22386_1 = \chi_{23}$
$22386_2 = \chi_{24}$
$25830_1 = \chi_{25}$
$25830_2 = \chi_{26}$
$33579_1 = \chi_{27}$
$33579_2 = \chi_{28}$
$33579_3 = \chi_{29}$
$33579_4 = \chi_{30}$
$37310_1 = \chi_{31}$
$37310_2 = \chi_{32}$
$44772_1 = \chi_{33}$
$47970_1 = \chi_{34}$
$47970_2 = \chi_{35}$
$51660_1 = \chi_{36}$
$59696_1 = \chi_{37}$
$59696_2 = \chi_{38}$
$59696_3 = \chi_{39}$
$66339_1 = \chi_{40}$	1	.	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}
74620 ₁ = χ_{41}	6	12	14	7	7	5	14	10	4	4	4	4	4	1
74620 ₂ = χ_{42}	6	12	14	7	7	5	14	10	4	4	4	4	4	1
100737 ₁ = χ_{43}	5	5	10	5	5	2	9	6	1	3	3	4	2	2
100737 ₂ = χ_{44}	5	5	10	5	5	2	9	6	1	3	3	4	2	2
100737 ₃ = χ_{45}	4	8	12	4	4	3	10	3	2	6	6	4	5	1
100737 ₄ = χ_{46}	4	8	12	4	4	3	10	3	2	6	6	4	5	1
119392 ₁ = χ_{47}	9	16	20	9	9	9	21	11	5	6	6	8	5	2
119392 ₂ = χ_{48}	9	16	20	9	9	9	21	11	5	6	6	8	5	2
119392 ₃ = χ_{49}	9	16	20	9	9	9	21	11	5	6	6	8	5	2
119392 ₄ = χ_{50}	9	16	20	9	9	9	21	11	5	6	6	8	5	2
127920 ₁ = χ_{51}	8	18	20	6	6	8	20	10	4	5	5	8	5	2
134316 ₁ = χ_{52}	10	16	18	6	6	9	18	6	5	4	4	12	2	4
134316 ₂ = χ_{53}	6	15	16	8	8	6	18	8	4	7	7	8	5	2
134316 ₃ = χ_{54}	6	15	16	8	8	6	18	8	4	7	7	8	5	2
179088 ₁ = χ_{55}	9	12	16	9	10	4	12	7	4	8	10	8	6	2
179088 ₂ = χ_{56}	9	12	16	10	9	4	12	7	4	10	8	8	6	4
179088 ₃ = χ_{57}	7	14	16	10	7	7	17	4	4	9	7	9	6	2
179088 ₄ = χ_{58}	7	14	16	7	10	7	17	4	4	7	9	9	6	3
179334 ₁ = χ_{59}	8	8	18	4	4	.	8	4	.	8	8	14	6	6
201474 ₁ = χ_{60}	8	12	15	5	5	6	14	2	2	6	6	15	4	5
201474 ₂ = χ_{61}	6	12	10	9	9	4	12	1	4	8	8	8	5	2
209223 ₁ = χ_{62}	12	18	22	7	7	6	21	9	3	6	6	14	4	6
209223 ₂ = χ_{63}	12	18	22	7	7	6	21	9	3	6	6	14	4	6
223860 ₁ = χ_{64}	8	10	16	8	8	2	10	3	2	12	12	10	8	4
223860 ₂ = χ_{65}	11	17	24	12	12	10	24	11	7	10	10	9	7	3
223860 ₃ = χ_{66}	11	17	24	12	12	10	24	11	7	10	10	9	7	3
238784 ₁ = χ_{67}	11	16	25	7	7	3	14	8	1	9	9	17	8	6
238784 ₂ = χ_{68}	10	18	22	10	10	10	24	8	6	10	10	10	7	3
298480 ₁ = χ_{69}	14	26	35	12	12	12	32	14	6	10	10	20	8	6
298480 ₂ = χ_{70}	14	26	35	12	12	12	32	14	6	10	10	20	8	6
302211 ₁ = χ_{71}	15	26	36	16	16	14	33	15	8	13	13	18	10	5
302211 ₂ = χ_{72}	15	26	36	16	16	14	33	15	8	13	13	18	10	5
335790 ₁ = χ_{73}	13	16	25	10	10	5	16	5	3	12	12	19	10	7
335790 ₂ = χ_{74}	13	16	25	10	10	5	16	5	3	12	12	19	10	7
358176 ₁ = χ_{75}	16	26	32	19	17	11	29	11	8	17	17	17	12	4
358176 ₂ = χ_{76}	16	26	32	17	19	11	29	11	8	17	17	17	12	7
367360 ₁ = χ_{77}	18	32	42	18	18	19	42	20	11	14	14	21	10	5
367360 ₂ = χ_{78}	20	30	41	12	12	12	32	14	5	12	12	27	10	10
367360 ₃ = χ_{79}	8	20	18	12	12	12	25	14	10	6	6	8	3	1
367360 ₄ = χ_{80}	20	38	50	22	22	18	47	24	10	17	17	18	15	5

(Block 1:)	φ_{15}	φ_{16}	φ_{17}	φ_{18}	φ_{19}	φ_{20}	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}
$74620_1 = \chi_{41}$	1	1	.	.	.	3	2	3	.	.	1	.	.
$74620_2 = \chi_{42}$	1	1	.	.	.	3	2	3	.	.	1	.	.
$100737_1 = \chi_{43}$	2	1	.	.	.	2	1	3	1	1	.	.	.
$100737_2 = \chi_{44}$	2	1	.	.	.	2	1	3	1	1	.	.	.
$100737_3 = \chi_{45}$	1	1	2	2	.	3	2	2	1	1	1	1	1
$100737_4 = \chi_{46}$	1	1	2	2	.	3	2	2	1	1	1	1	1
$119392_1 = \chi_{47}$	2	3	1	1	1	5	2	4	1	1	1	1	1
$119392_2 = \chi_{48}$	2	3	1	1	1	5	2	4	1	1	1	1	1
$119392_3 = \chi_{49}$	2	3	1	1	1	5	2	4	1	1	1	1	1
$119392_4 = \chi_{50}$	2	3	1	1	1	5	2	4	1	1	1	1	1
$127920_1 = \chi_{51}$	2	4	1	1	2	5	2	4	1	1	1	1	1
$134316_1 = \chi_{52}$	4	6	.	.	5	2	.	5	1	1	.	.	.
$134316_2 = \chi_{53}$	2	3	2	2	1	4	2	3	2	2	1	2	2
$134316_3 = \chi_{54}$	2	3	2	2	1	4	2	3	2	2	1	2	2
$179088_1 = \chi_{55}$	4	3	3	.	.	2	2	4	2	4	.	2	.
$179088_2 = \chi_{56}$	2	3	.	3	.	2	2	4	4	2	.	.	2
$179088_3 = \chi_{57}$	3	2	2	2	1	4	2	2	1	3	1	2	2
$179088_4 = \chi_{58}$	2	2	2	2	1	4	2	2	3	1	1	2	2
$179334_1 = \chi_{59}$	6	6	.	.	1	.	.	7	1	1	.	.	.
$201474_1 = \chi_{60}$	5	3	2	2	4	2	.	2	2	2	.	2	2
$201474_2 = \chi_{61}$	2	.	2	2	.	1	2	.	3	3	1	2	2
$209223_1 = \chi_{62}$	6	6	.	.	5	2	.	7	2	2	.	.	.
$209223_2 = \chi_{63}$	6	6	.	.	5	2	.	7	2	2	.	.	.
$223860_1 = \chi_{64}$	4	4	3	3	.	2	2	4	4	4	.	2	2
$223860_2 = \chi_{65}$	3	3	2	2	1	6	4	5	2	2	1	1	1
$223860_3 = \chi_{66}$	3	3	2	2	1	6	4	5	2	2	1	1	1
$238784_1 = \chi_{67}$	6	5	1	1	3	2	.	6	2	2	.	1	1
$238784_2 = \chi_{68}$	3	4	3	3	2	6	3	4	3	3	1	2	2
$298480_1 = \chi_{69}$	6	6	2	2	5	7	2	7	2	2	1	2	2
$298480_2 = \chi_{70}$	6	6	2	2	5	7	2	7	2	2	1	2	2
$302211_1 = \chi_{71}$	5	5	2	2	2	7	2	7	2	2	1	2	2
$302211_2 = \chi_{72}$	5	5	2	2	2	7	2	7	2	2	1	2	2
$335790_1 = \chi_{73}$	7	4	2	2	2	3	1	5	3	3	.	2	2
$335790_2 = \chi_{74}$	7	4	2	2	2	3	1	5	3	3	.	2	2
$358176_1 = \chi_{75}$	7	5	5	2	1	6	4	6	3	7	1	4	2
$358176_2 = \chi_{76}$	4	5	2	5	1	6	4	6	7	3	1	2	4
$367360_1 = \chi_{77}$	5	8	3	3	3	10	4	8	3	3	2	3	3
$367360_2 = \chi_{78}$	10	10	1	1	8	4	.	11	2	2	.	1	1
$367360_3 = \chi_{79}$	1	4	3	3	2	7	5	2	2	2	3	1	1
$367360_4 = \chi_{80}$	5	6	3	3	2	12	5	10	3	3	2	2	2

(Block 1:)	φ_{28}	φ_{29}	φ_{30}	φ_{31}	φ_{32}	φ_{33}	φ_{34}	φ_{35}	φ_{36}	φ_{37}	φ_{38}	φ_{39}	φ_{40}
$74620_1 = \chi_{41}$	2	2	.	1	.	.	.	.	.	.	1	.	.
$74620_2 = \chi_{42}$	2	2	.	1	.	.	.	.	.	.	1	.	.
$100737_1 = \chi_{43}$	2	1	.	1	.	.	.	.	.	.	.	.	.
$100737_2 = \chi_{44}$	2	1	.	1	.	.	.	.	.	.	.	.	.
$100737_3 = \chi_{45}$	.	2	.	.	1	1	.	1	.	.	1	.	.
$100737_4 = \chi_{46}$	.	2	.	.	1	1	.	1	.	.	1	.	.
$119392_1 = \chi_{47}$	2	2	1	1	.	.	.	1	.	.	1	.	.
$119392_2 = \chi_{48}$	2	2	1	1	.	.	.	1	.	.	1	.	.
$119392_3 = \chi_{49}$	2	2	1	1	.	.	.	1	.	.	1	.	.
$119392_4 = \chi_{50}$	2	2	1	1	.	.	.	1	.	.	1	.	.
$127920_1 = \chi_{51}$	2	1	2	.	.	.	.	2	.	.	1	.	.
$134316_1 = \chi_{52}$	.	.	4	1	.	.	2	.	.	.	.	.	.
$134316_2 = \chi_{53}$	2	2	1	.	.	.	.	2	.	.	1	.	.
$134316_3 = \chi_{54}$	2	2	1	.	.	.	.	2	.	.	1	.	.
$179088_1 = \chi_{55}$	3	2	.	1	1	.	.	1	.	1	.	.	.
$179088_2 = \chi_{56}$	3	2	.	1	.	1	.	1	1	.	.	.	.
$179088_3 = \chi_{57}$	.	2	2	.	1	1	.	1	.	.	1	1	.
$179088_4 = \chi_{58}$	.	2	2	.	1	1	.	1	.	.	1	.	1
$179334_1 = \chi_{59}$	.	.	.	1	.	.	2	.	2	2	.	.	.
$201474_1 = \chi_{60}$	.	.	4	.	.	.	1	1	.	.	.	.	.
$201474_2 = \chi_{61}$	.	2	2	.	1	1	.	.	.	.	1	1	1
$209223_1 = \chi_{62}$	1	.	4	1	.	.	2	.	.	.	.	.	.
$209223_2 = \chi_{63}$	1	.	4	1	.	.	2	.	.	.	.	.	.
$223860_1 = \chi_{64}$	2	2	.	.	1	1	.	2	1	1	.	.	.
$223860_2 = \chi_{65}$	3	4	1	1	1	1	.	1	.	.	1	.	.
$223860_3 = \chi_{66}$	3	4	1	1	1	1	.	1	.	.	1	.	.
$238784_1 = \chi_{67}$	1	.	2	1	.	.	1	1	1	1	.	.	.
$238784_2 = \chi_{68}$	2	3	2	.	1	1	.	2	.	.	1	.	.
$298480_1 = \chi_{69}$	2	2	4	1	.	.	1	2	.	.	1	.	.
$298480_2 = \chi_{70}$	2	2	4	1	.	.	1	2	.	.	1	.	.
$302211_1 = \chi_{71}$	2	4	2	2	.	.	.	1	.	.	2	.	.
$302211_2 = \chi_{72}$	2	4	2	2	.	.	.	1	.	.	2	.	.
$335790_1 = \chi_{73}$	1	1	2	1	1	1	1	1	1	1	.	.	.
$335790_2 = \chi_{74}$	1	1	2	1	1	1	1	1	1	1	.	.	.
$358176_1 = \chi_{75}$	3	4	2	1	2	1	.	2	.	1	1	1	.
$358176_2 = \chi_{76}$	3	4	2	1	1	2	.	2	1	.	1	.	1
$367360_1 = \chi_{77}$	4	4	2	2	.	.	.	3	.	.	2	.	.
$367360_2 = \chi_{78}$	1	.	6	2	.	.	3	1	1	1	.	.	.
$367360_3 = \chi_{79}$	4	5	2	.	.	.	.	2	.	.	1	.	.
$367360_4 = \chi_{80}$	4	6	2	2	1	1	.	2	.	.	3	.	.

(Block 1:)	φ_{41}	φ_{42}	φ_{43}	φ_{44}
$74620_1 = \chi_{41}$
$74620_2 = \chi_{42}$
$100737_1 = \chi_{43}$.	1	.	.
$100737_2 = \chi_{44}$.	1	.	.
$100737_3 = \chi_{45}$
$100737_4 = \chi_{46}$
$119392_1 = \chi_{47}$
$119392_2 = \chi_{48}$
$119392_3 = \chi_{49}$
$119392_4 = \chi_{50}$
$127920_1 = \chi_{51}$
$134316_1 = \chi_{52}$	1	.	.	.
$134316_2 = \chi_{53}$
$134316_3 = \chi_{54}$
$179088_1 = \chi_{55}$.	1	.	.
$179088_2 = \chi_{56}$.	1	.	.
$179088_3 = \chi_{57}$
$179088_4 = \chi_{58}$
$179334_1 = \chi_{59}$	1	.	.	.
$201474_1 = \chi_{60}$.	.	1	.
$201474_2 = \chi_{61}$
$209223_1 = \chi_{62}$	1	1	.	.
$209223_2 = \chi_{63}$	1	1	.	.
$223860_1 = \chi_{64}$.	1	.	.
$223860_2 = \chi_{65}$.	1	.	.
$223860_3 = \chi_{66}$.	1	.	.
$238784_1 = \chi_{67}$.	.	1	.
$238784_2 = \chi_{68}$.	1	.	.
$298480_1 = \chi_{69}$.	.	1	.
$298480_2 = \chi_{70}$.	.	1	.
$302211_1 = \chi_{71}$.	.	1	.
$302211_2 = \chi_{72}$.	.	1	.
$335790_1 = \chi_{73}$.	1	1	.
$335790_2 = \chi_{74}$.	1	1	.
$358176_1 = \chi_{75}$.	1	.	.
$358176_2 = \chi_{76}$.	1	.	.
$367360_1 = \chi_{77}$.	.	1	.
$367360_2 = \chi_{78}$	1	.	1	.
$367360_3 = \chi_{79}$.	.	.	1
$367360_4 = \chi_{80}$.	1	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}
$367360_5 = \chi_{81}$	14	17	28	11	11	5	17	5	2	15	15	22	12	9
$367360_6 = \chi_{82}$	14	23	28	17	14	8	26	8	7	18	16	16	11	3
$367360_7 = \chi_{83}$	14	17	28	11	11	5	17	5	2	15	15	22	12	8
$367360_8 = \chi_{84}$	14	23	28	14	17	8	26	8	7	16	18	16	11	7
$388557_1 = \chi_{85}$	7	18	19	14	14	11	22	11	10	8	8	9	4	1
$388557_2 = \chi_{86}$	7	18	19	14	14	11	22	11	10	8	8	9	4	1
$402948_1 = \chi_{87}$	21	26	39	13	13	8	26	10	4	16	16	31	12	11
$418446_1 = \chi_{88}$	4	8	12	10	10	4	8	1	6	8	8	4	4	.
$465920_1 = \chi_{89}$	8	19	20	14	17	11	23	11	11	9	12	9	5	2
$465920_2 = \chi_{90}$	8	19	20	17	14	11	23	11	11	12	9	9	5	.
$465920_3 = \chi_{91}$	23	33	44	19	19	13	37	16	7	19	19	27	15	9
$465920_4 = \chi_{92}$	23	33	44	19	19	13	37	16	7	19	19	27	15	9
$465920_5 = \chi_{93}$	21	30	41	13	12	9	31	11	4	16	17	31	13	11
$465920_6 = \chi_{94}$	21	30	41	12	13	9	31	11	4	17	16	31	13	14
$465920_7 = \chi_{95}$	21	38	47	21	23	17	44	19	11	20	21	22	15	8
$465920_8 = \chi_{96}$	21	38	47	23	21	17	44	19	11	21	20	22	15	5
$465920_9 = \chi_{97}$	21	34	50	22	21	16	43	18	9	21	20	25	16	8
$465920_{10} = \chi_{98}$	21	34	50	21	22	16	43	18	9	20	21	25	16	7
$477568_1 = \chi_{99}$	21	34	47	17	17	13	38	16	7	19	19	27	15	9
$477568_2 = \chi_{100}$	21	34	47	17	17	13	38	16	7	19	19	27	15	9
$477568_3 = \chi_{101}$	21	34	47	17	17	13	38	16	7	19	19	27	15	9
$477568_4 = \chi_{102}$	21	34	47	17	17	13	38	16	7	19	19	27	15	9
$537264_1 = \chi_{104}$	14	35	40	20	20	16	42	20	12	16	16	16	12	3
$537264_2 = \chi_{105}$	26	32	46	19	19	16	38	18	8	18	18	28	14	11
$537264_3 = \chi_{106}$	12	28	24	18	18	14	31	15	12	11	11	12	7	2
$575640_1 = \chi_{107}$	24	43	48	26	26	16	46	15	10	27	27	30	20	10
$596960_1 = \chi_{108}$	22	28	47	19	19	8	30	10	6	26	26	30	18	11
$682240_1 = \chi_{109}$	33	44	66	24	24	17	50	20	9	26	26	42	18	15
$682240_2 = \chi_{110}$	31	46	64	31	31	22	56	28	15	30	30	30	22	10
$682240_3 = \chi_{111}$	16	39	44	25	25	18	48	20	14	20	20	20	13	4
$682240_4 = \chi_{112}$	32	51	66	27	27	20	56	21	10	27	27	44	23	15

(Block 1:)	φ_{15}	φ_{16}	φ_{17}	φ_{18}	φ_{19}	φ_{20}	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}
$367360_5 = \chi_{81}$	8	5	2	3	2	3	1	6	4	3	.	2	3
$367360_6 = \chi_{82}$	7	5	6	3	1	5	4	5	4	8	1	4	3
$367360_7 = \chi_{83}$	9	5	3	2	2	3	1	6	3	4	.	3	2
$367360_8 = \chi_{84}$	3	5	3	6	1	5	4	5	8	4	1	3	4
$388557_1 = \chi_{85}$	1	4	4	4	1	7	5	2	3	3	2	2	2
$388557_2 = \chi_{86}$	1	4	4	4	1	7	5	2	3	3	2	2	2
$402948_1 = \chi_{87}$	11	10	2	2	5	2	.	10	4	4	.	2	2
$418446_1 = \chi_{88}$	.	.	4	4	.	3	5	.	3	3	2	.	.
$465920_1 = \chi_{89}$	.	4	5	5	1	7	7	2	5	3	3	2	2
$465920_2 = \chi_{90}$	2	4	5	5	1	7	7	2	3	5	3	2	2
$465920_3 = \chi_{91}$	9	8	4	3	5	7	3	9	4	5	1	3	3
$465920_4 = \chi_{92}$	9	8	3	4	5	7	3	9	5	4	1	3	3
$465920_5 = \chi_{93}$	14	10	3	1	7	3	.	11	3	5	.	3	1
$465920_6 = \chi_{94}$	11	10	1	3	7	3	.	11	5	3	.	1	3
$465920_7 = \chi_{95}$	5	8	3	6	2	10	6	9	8	4	2	3	4
$465920_8 = \chi_{96}$	8	8	6	3	2	10	6	9	4	8	2	4	3
$465920_9 = \chi_{97}$	7	7	3	5	2	10	3	10	5	4	1	3	4
$465920_{10} = \chi_{98}$	8	7	5	3	2	10	3	10	4	5	1	4	3
$477568_1 = \chi_{99}$	9	9	4	4	5	8	3	10	5	5	1	3	3
$477568_2 = \chi_{100}$	9	9	4	4	5	8	3	10	5	5	1	3	3
$477568_3 = \chi_{101}$	9	9	4	4	5	8	3	10	5	5	1	3	3
$477568_4 = \chi_{102}$	9	9	4	4	5	8	3	10	5	5	1	3	3
$537264_1 = \chi_{104}$	3	6	6	6	2	12	7	6	4	4	4	3	3
$537264_2 = \chi_{105}$	11	10	2	2	5	6	2	12	4	4	.	2	2
$537264_3 = \chi_{106}$	2	4	4	4	2	7	7	2	4	4	4	2	2
$575640_1 = \chi_{107}$	10	8	6	6	2	9	6	8	8	8	2	6	6
$596960_1 = \chi_{108}$	11	10	6	6	3	6	4	11	8	8	.	4	4
$682240_1 = \chi_{109}$	15	16	4	4	8	8	2	17	8	8	.	3	3
$682240_2 = \chi_{110}$	10	11	6	6	3	12	8	14	7	7	2	4	4
$682240_3 = \chi_{111}$	4	6	7	7	2	13	9	6	6	6	5	4	4
$682240_4 = \chi_{112}$	15	10	5	5	8	10	2	12	6	6	1	5	5

(Block 1:)	φ_{28}	φ_{29}	φ_{30}	φ_{31}	φ_{32}	φ_{33}	φ_{34}	φ_{35}	φ_{36}	φ_{37}	φ_{38}	φ_{39}	φ_{40}
$367360_5 = \chi_{81}$	1	1	2	1	1	1	1	1	2	1	.	.	.
$367360_6 = \chi_{82}$	3	4	2	.	2	1	.	3	.	1	1	1	.
$367360_7 = \chi_{83}$	1	1	2	1	1	1	1	1	1	2	.	.	.
$367360_8 = \chi_{84}$	3	4	2	.	1	2	.	3	1	.	1	.	1
$388557_1 = \chi_{85}$	4	6	1	.	.	.	.	3	.	.	1	.	.
$388557_2 = \chi_{86}$	4	6	1	.	.	.	.	3	.	.	1	.	.
$402948_1 = \chi_{87}$	1	.	4	2	.	.	3	1	2	2	.	.	.
$418446_1 = \chi_{88}$	.	6	1	.	2	2	.	.	.	.	1	1	1
$465920_1 = \chi_{89}$	4	7	1	.	1	1	.	3	.	.	1	.	1
$465920_2 = \chi_{90}$	4	7	1	.	1	1	.	3	.	.	1	1	.
$465920_3 = \chi_{91}$	3	3	4	2	1	1	1	2	1	1	1	.	.
$465920_4 = \chi_{92}$	3	3	4	2	1	1	1	2	1	1	1	.	.
$465920_5 = \chi_{93}$	1	.	6	1	1	.	3	1	1	2	.	.	.
$465920_6 = \chi_{94}$	1	.	6	1	.	1	3	1	2	1	.	.	.
$465920_7 = \chi_{95}$	5	5	3	1	1	2	.	4	1	.	2	.	1
$465920_8 = \chi_{96}$	5	5	3	1	2	1	.	4	.	1	2	1	.
$465920_9 = \chi_{97}$	3	5	2	2	1	1	.	2	1	.	2	.	.
$465920_{10} = \chi_{98}$	3	5	2	2	1	1	.	2	.	1	2	.	.
$477568_1 = \chi_{99}$	3	3	4	1	1	1	1	3	1	1	1	.	.
$477568_2 = \chi_{100}$	3	3	4	1	1	1	1	3	1	1	1	.	.
$477568_3 = \chi_{101}$	3	3	4	1	1	1	1	3	1	1	1	.	.
$477568_4 = \chi_{102}$	3	3	4	1	1	1	1	3	1	1	1	.	.
$537264_1 = \chi_{104}$	4	8	2	.	1	1	.	4	.	.	3	.	.
$537264_2 = \chi_{105}$	4	2	4	3	1	1	2	1	1	1	.	.	.
$537264_3 = \chi_{106}$	4	6	3	.	1	1	.	2	.	.	2	1	1
$575640_1 = \chi_{107}$	4	5	5	.	2	2	.	4	1	1	2	1	1
$596960_1 = \chi_{108}$	4	4	2	1	2	2	1	4	2	2	.	.	.
$682240_1 = \chi_{109}$	4	2	6	3	1	1	3	3	2	2	.	.	.
$682240_2 = \chi_{110}$	8	8	2	3	2	2	.	4	1	1	2	.	.
$682240_3 = \chi_{111}$	4	9	3	.	2	2	.	4	.	.	3	1	1
$682240_4 = \chi_{112}$	2	4	8	2	1	1	2	2	1	1	2	.	.

(Block 1:)	φ_{41}	φ_{42}	φ_{43}	φ_{44}	
$367360_5 = \chi_{81}$	.	1	1	.	$\varphi_1 = 1_1$
$367360_6 = \chi_{82}$	.	1	.	.	$\varphi_2 = 8_1$
$367360_7 = \chi_{83}$	.	1	1	.	$\varphi_3 = 28_1$
$367360_8 = \chi_{84}$	.	1	.	.	$\varphi_4 = 35_1$
$388557_1 = \chi_{85}$	.	.	.	1	$\varphi_5 = 35_2$
$388557_2 = \chi_{86}$	.	.	.	1	$\varphi_6 = 35_3$
$402948_1 = \chi_{87}$	1	.	1	.	$\varphi_7 = 56_1$
$418446_1 = \chi_{88}$	.	.	.	1	$\varphi_8 = 104_1$
$465920_1 = \chi_{89}$	.	.	.	1	$\varphi_9 = 195_1$
$465920_2 = \chi_{90}$	.	.	.	1	$\varphi_{10} = 224_1$
$465920_3 = \chi_{91}$	.	1	1	.	$\varphi_{11} = 224_2$
$465920_4 = \chi_{92}$	.	1	1	.	$\varphi_{12} = 322_1$
$465920_5 = \chi_{93}$	1	1	1	.	$\varphi_{13} = 384_1$
$465920_6 = \chi_{94}$	1	1	1	.	$\varphi_{14} = 518_1$
$465920_7 = \chi_{95}$	.	1	.	.	$\varphi_{15} = 518_2$
$465920_8 = \chi_{96}$	.	1	.	.	$\varphi_{16} = 518_3$
$465920_9 = \chi_{97}$	.	1	1	.	$\varphi_{17} = 567_1$
$465920_{10} = \chi_{98}$	.	1	1	.	$\varphi_{18} = 567_2$
$477568_1 = \chi_{99}$	.	1	1	.	$\varphi_{19} = 567_3$
$477568_2 = \chi_{100}$	.	1	1	.	$\varphi_{20} = 1176_1$
$477568_3 = \chi_{101}$	.	1	1	.	$\varphi_{21} = 1296_1$
$477568_4 = \chi_{102}$	.	1	1	.	$\varphi_{22} = 1841_1$
$537264_1 = \chi_{104}$	.	.	.	1	$\varphi_{23} = 1896_1$
$537264_2 = \chi_{105}$	1	2	1	.	$\varphi_{24} = 1896_2$
$537264_3 = \chi_{106}$	.	.	.	1	$\varphi_{25} = 3240_1$
$575640_1 = \chi_{107}$	.	1	.	.	$\varphi_{26} = 3948_1$
$596960_1 = \chi_{108}$	.	2	1	.	$\varphi_{27} = 3948_2$
$682240_1 = \chi_{109}$	1	2	1	.	$\varphi_{28} = 3948_3$
$682240_2 = \chi_{110}$	.	2	1	.	$\varphi_{29} = 4768_1$
$682240_3 = \chi_{111}$	.	.	.	1	$\varphi_{30} = 7600_1$
$682240_4 = \chi_{112}$	.	1	2	.	$\varphi_{31} = 8132_1$
					$\varphi_{32} = 8343_1$
					$\varphi_{33} = 8343_2$
					$\varphi_{34} = 8343_3$
					$\varphi_{35} = 13776_1$
					$\varphi_{36} = 18144_1$
					$\varphi_{37} = 18144_2$
					$\varphi_{38} = 24240_1$
					$\varphi_{39} = 43254_1$
					$\varphi_{40} = 43254_2$

$$\begin{aligned} \varphi_{41} &= 43254_3 \\ \varphi_{42} &= 58920_1 \end{aligned}$$

$$\begin{aligned} \varphi_{43} &= 96755_1 \\ \varphi_{44} &= 196344_1 \end{aligned}$$