

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

	blocks	defect	matrix
$G :$	1 2	12 0	113×26 $531441_1 = \chi_{112}, \varphi_{27}$

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	.	.	.	.	.	.	.	.	.	.	.	.	.
$260_1 = \chi_2$	2	1	1	.	.	1	.	.	.	.	.	.	.	.
$260_2 = \chi_3$	2	1	.	1	.	1	.	.	.	.	.	.	.	.
$260_3 = \chi_4$	2	1	.	.	1	1	.	.	.	.	.	.	.	.
$260_4 = \chi_5$	2	1	1	.	.	1	.	.	.	.	.	.	.	.
$260_5 = \chi_6$	2	1	.	1	.	1	.	.	.	.	.	.	.	.
$260_6 = \chi_7$	2	1	.	.	1	1	.	.	.	.	.	.	.	.
$300_1 = \chi_8$	.	.	1	1	1	1	.	.	.	.	.	.	.	.
$819_1 = \chi_9$	1	.	3	.	.	1	.	1	.	.	.	.	.	.
$819_2 = \chi_{10}$	1	.	.	3	.	1	.	.	1	.	.	.	.	.
$819_3 = \chi_{11}$	1	.	.	.	3	1	.	.	.	1	.	.	.	.
$2275_1 = \chi_{12}$	.	4	.	.	.	.	1	.	.	.	.	.	.	1
$2275_2 = \chi_{13}$	.	4	.	.	.	.	1	.	.	.	.	.	.	1
$2275_3 = \chi_{14}$	.	4	.	.	.	.	1	.	.	.	.	.	.	1
$2275_4 = \chi_{15}$	.	4	.	.	.	.	1	.	.	.	.	.	.	1
$2808_1 = \chi_{16}$	4	6	2	2	2	3	.	.	.	.	.	.	.	1
$5460_1 = \chi_{17}$	.	.	3	.	.	.	1	1	.	.	1	.	.	.
$5460_2 = \chi_{18}$	.	.	.	3	.	.	1	.	1	.	.	1	.	.
$5460_3 = \chi_{19}$	.	.	.	.	3	.	1	.	.	1	.	.	1	.
$5460_4 = \chi_{20}$	.	.	3	.	.	.	1	1	.	.	1	.	.	.
$5460_5 = \chi_{21}$	.	.	.	3	.	.	1	.	1	.	.	1	.	.
$5460_6 = \chi_{22}$	.	.	.	.	3	.	1	.	.	1	.	.	1	.
$9450_1 = \chi_{23}$	6	4	4	4	4	4	.	.	.	.	.	.	.	.
$17550_1 = \chi_{24}$	1	6	2	2	2	.	6	1	1	1	.	.	.	1
$18200_1 = \chi_{25}$	6	14	5	5	5	4	4	1	1	1	.	.	.	3
$18200_2 = \chi_{26}$	6	14	5	5	5	4	4	1	1	1	.	.	.	3
$18200_3 = \chi_{27}$	6	14	5	5	5	4	4	1	1	1	.	.	.	3
$18200_4 = \chi_{28}$	6	14	5	5	5	4	4	1	1	1	.	.	.	3
$18200_5 = \chi_{29}$	6	14	5	5	5	4	4	1	1	1	.	.	.	3
$23400_1 = \chi_{30}$	4	13	7	5	5	3	5	2	1	1	1	.	.	3
$23400_2 = \chi_{31}$	4	13	5	7	5	3	5	1	2	1	.	1	.	3
$23400_3 = \chi_{32}$	4	13	5	5	7	3	5	1	1	2	.	.	1	3
$23400_4 = \chi_{33}$	4	13	7	5	5	3	5	2	1	1	1	.	.	3
$23400_5 = \chi_{34}$	4	13	5	7	5	3	5	1	2	1	.	1	.	3
$23400_6 = \chi_{35}$	4	13	5	5	7	3	5	1	1	2	.	.	1	3
$24192_1 = \chi_{36}$	3	4	4	4	4	1	6	1	1	1	.	.	.	.
$27300_1 = \chi_{37}$	.	10	1	1	1	.	3	2	2	2	1	1	1	4
$29120_1 = \chi_{38}$	3	10	5	2	2	3	3	3	1	1	2	.	.	3
$29120_2 = \chi_{39}$	3	10	2	5	2	3	3	1	3	1	.	2	.	3
$29120_3 = \chi_{40}$	3	10	2	2	5	3	3	1	1	3	.	.	2	3

(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}
$1_1 = \chi_1$
$260_1 = \chi_2$
$260_2 = \chi_3$
$260_3 = \chi_4$
$260_4 = \chi_5$
$260_5 = \chi_6$
$260_6 = \chi_7$
$300_1 = \chi_8$
$819_1 = \chi_9$
$819_2 = \chi_{10}$
$819_3 = \chi_{11}$
$2275_1 = \chi_{12}$
$2275_2 = \chi_{13}$
$2275_3 = \chi_{14}$
$2275_4 = \chi_{15}$
$2808_1 = \chi_{16}$
$5460_1 = \chi_{17}$	1	.	.	.	.	.	.	.	.	.	.	.
$5460_2 = \chi_{18}$.	1	.	.	.	.	.	.	.	.	.	.
$5460_3 = \chi_{19}$.	.	1	.	.	.	.	.	.	.	.	.
$5460_4 = \chi_{20}$	1	.	.	.	.	.	.	.	.	.	.	.
$5460_5 = \chi_{21}$.	1	.	.	.	.	.	.	.	.	.	.
$5460_6 = \chi_{22}$.	.	1	.	.	.	.	.	.	.	.	.
$9450_1 = \chi_{23}$.	.	.	1	.	.	.	.	.	.	.	.
$17550_1 = \chi_{24}$	1	1	1	.	.	.	.	.	.	.	.	.
$18200_1 = \chi_{25}$.	.	.	1	.	.	.	.	.	.	.	.
$18200_2 = \chi_{26}$.	.	.	1	.	.	.	.	.	.	.	.
$18200_3 = \chi_{27}$.	.	.	1	.	.	.	.	.	.	.	.
$18200_4 = \chi_{28}$.	.	.	1	.	.	.	.	.	.	.	.
$18200_5 = \chi_{29}$.	.	.	1	.	.	.	.	.	.	.	.
$23400_1 = \chi_{30}$	1	.	.	1	.	.	.	.	.	.	.	.
$23400_2 = \chi_{31}$.	1	.	1	.	.	.	.	.	.	.	.
$23400_3 = \chi_{32}$.	.	1	1	.	.	.	.	.	.	.	.
$23400_4 = \chi_{33}$	1	.	.	1	.	.	.	.	.	.	.	.
$23400_5 = \chi_{34}$.	1	.	1	.	.	.	.	.	.	.	.
$23400_6 = \chi_{35}$.	.	1	1	.	.	.	.	.	.	.	.
$24192_1 = \chi_{36}$	1	1	1	1	.	.	.	.	.	.	.	.
$27300_1 = \chi_{37}$	1	.	.	.	.
$29120_1 = \chi_{38}$	1	.	.	.	.	.	.	1	.	.	.	.
$29120_2 = \chi_{39}$.	1	.	.	.	.	.	1	.	.	.	.
$29120_3 = \chi_{40}$.	.	1	.	.	.	.	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}
29120 ₄ = χ_{41}	3	10	5	2	2	3	3	3	1	1	2	.	.	3
29120 ₅ = χ_{42}	3	10	2	5	2	3	3	1	3	1	.	2	.	3
29120 ₆ = χ_{43}	3	10	2	2	5	3	3	1	1	3	.	.	2	3
40950 ₁ = χ_{44}	3	7	3	2	2	2	5	2	2	2	3	.	.	2
40950 ₂ = χ_{45}	3	7	2	3	2	2	5	2	2	2	.	3	.	2
40950 ₃ = χ_{46}	3	7	2	2	3	2	5	2	2	2	.	.	3	2
40950 ₄ = χ_{47}	3	7	3	2	2	2	5	2	2	2	3	.	.	2
40950 ₅ = χ_{48}	3	7	2	3	2	2	5	2	2	2	.	3	.	2
40950 ₆ = χ_{49}	3	7	2	2	3	2	5	2	2	2	.	.	3	2
46592 ₁ = χ_{50}	7	16	13	4	4	5	6	5	1	1	3	.	.	4
46592 ₂ = χ_{51}	7	16	4	13	4	5	6	1	5	1	.	3	.	4
46592 ₃ = χ_{52}	7	16	4	4	13	5	6	1	1	5	.	.	3	4
49140 ₁ = χ_{53}	7	20	5	8	8	5	8	2	3	3	.	1	1	5
49140 ₂ = χ_{54}	7	20	8	5	8	5	8	3	2	3	1	.	1	5
49140 ₃ = χ_{55}	7	20	8	8	5	5	8	3	3	2	1	1	.	5
49140 ₄ = χ_{56}	7	20	5	8	8	5	8	2	3	3	.	1	1	5
49140 ₅ = χ_{57}	7	20	8	5	8	5	8	3	2	3	1	.	1	5
49140 ₆ = χ_{58}	7	20	8	8	5	5	8	3	3	2	1	1	.	5
54600 ₁ = χ_{59}	7	20	8	8	8	5	9	3	3	3	1	1	1	5
54600 ₂ = χ_{60}	7	20	8	8	8	5	9	3	3	3	1	1	1	5
54600 ₃ = χ_{61}	7	20	8	8	8	5	9	3	3	3	1	1	1	5
54600 ₄ = χ_{62}	7	20	8	8	8	5	9	3	3	3	1	1	1	5
54600 ₅ = χ_{63}	7	20	8	8	8	5	9	3	3	3	1	1	1	5
54600 ₆ = χ_{64}	7	20	8	8	8	5	9	3	3	3	1	1	1	5
54600 ₇ = χ_{65}	7	20	8	8	8	5	9	3	3	3	1	1	1	5
66339 ₁ = χ_{66}	4	12	10	4	4	3	4	4	.	.	1	.	.	3
66339 ₂ = χ_{67}	4	12	4	10	4	3	4	.	4	.	.	1	.	3
66339 ₃ = χ_{68}	4	12	4	4	10	3	4	.	.	4	.	.	1	3
163800 ₁ = χ_{69}	8	26	19	8	8	5	20	10	5	5	7	.	.	7
163800 ₂ = χ_{70}	8	26	8	19	8	5	20	5	10	5	.	7	.	7
163800 ₃ = χ_{71}	8	26	8	8	19	5	20	5	5	10	.	.	7	7
184275 ₁ = χ_{72}	11	32	14	14	14	8	18	5	5	5	2	2	2	7
184275 ₂ = χ_{73}	11	32	14	14	14	8	18	5	5	5	2	2	2	7
184275 ₃ = χ_{74}	11	32	14	14	14	8	18	5	5	5	2	2	2	7
184275 ₄ = χ_{75}	11	32	14	14	14	8	18	5	5	5	2	2	2	7
189540 ₁ = χ_{76}	11	33	17	11	11	7	23	10	7	7	6	1	1	9
189540 ₂ = χ_{77}	11	33	11	17	11	7	23	7	10	7	1	6	1	9
189540 ₃ = χ_{78}	11	33	11	11	17	7	23	7	7	10	1	1	6	9
189540 ₄ = χ_{79}	11	33	17	11	11	7	23	10	7	7	6	1	1	9
189540 ₅ = χ_{80}	11	33	11	17	11	7	23	7	10	7	1	6	1	9

(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}
29120 ₄ = χ_{41}	1	.	.	.	.	.	.	1	.	.	.	.
29120 ₅ = χ_{42}	.	1	.	.	.	.	.	1	.	.	.	.
29120 ₆ = χ_{43}	.	.	1	.	.	.	.	1	.	.	.	.
40950 ₁ = χ_{44}	2	.	.	.	1	.	.	1	.	.	.	.
40950 ₂ = χ_{45}	.	2	.	.	.	1	.	1	.	.	.	.
40950 ₃ = χ_{46}	.	.	2	.	.	.	1	1	.	.	.	.
40950 ₄ = χ_{47}	2	.	.	.	1	.	.	1	.	.	.	.
40950 ₅ = χ_{48}	.	2	.	.	.	1	.	1	.	.	.	.
40950 ₆ = χ_{49}	.	.	2	.	.	.	1	1	.	.	.	.
46592 ₁ = χ_{50}	2	.	.	1	.	.	.	1	.	.	.	.
46592 ₂ = χ_{51}	.	2	.	1	.	.	.	1	.	.	.	.
46592 ₃ = χ_{52}	.	.	2	1	.	.	.	1	.	.	.	.
49140 ₁ = χ_{53}	.	1	1	1	.	.	.	1	.	.	.	.
49140 ₂ = χ_{54}	1	.	1	1	.	.	.	1	.	.	.	.
49140 ₃ = χ_{55}	1	1	.	1	.	.	.	1	.	.	.	.
49140 ₄ = χ_{56}	.	1	1	1	.	.	.	1	.	.	.	.
49140 ₅ = χ_{57}	1	.	1	1	.	.	.	1	.	.	.	.
49140 ₆ = χ_{58}	1	1	.	1	.	.	.	1	.	.	.	.
54600 ₁ = χ_{59}	1	1	1	1	.	.	.	1	.	.	.	.
54600 ₂ = χ_{60}	1	1	1	1	.	.	.	1	.	.	.	.
54600 ₃ = χ_{61}	1	1	1	1	.	.	.	1	.	.	.	.
54600 ₄ = χ_{62}	1	1	1	1	.	.	.	1	.	.	.	.
54600 ₅ = χ_{63}	1	1	1	1	.	.	.	1	.	.	.	.
54600 ₆ = χ_{64}	1	1	1	1	.	.	.	1	.	.	.	.
54600 ₇ = χ_{65}	1	1	1	1	.	.	.	1	.	.	.	.
66339 ₁ = χ_{66}	1	.	.	1	.	.	.	.	1	.	.	.
66339 ₂ = χ_{67}	.	1	.	1	.	.	.	.	.	1	.	.
66339 ₃ = χ_{68}	.	.	1	1	.	.	.	.	.	.	1	.
163800 ₁ = χ_{69}	6	1	1	1	2	.	.	2	1	.	.	.
163800 ₂ = χ_{70}	1	6	1	1	.	2	.	2	.	1	.	.
163800 ₃ = χ_{71}	1	1	6	1	.	.	2	2	.	.	1	.
184275 ₁ = χ_{72}	2	2	2	2	.	.	.	1	.	.	.	1
184275 ₂ = χ_{73}	2	2	2	2	.	.	.	1	.	.	.	1
184275 ₃ = χ_{74}	2	2	2	2	.	.	.	1	.	.	.	1
184275 ₄ = χ_{75}	2	2	2	2	.	.	.	1	.	.	.	1
189540 ₁ = χ_{76}	5	2	2	1	2	.	.	3	1	.	.	.
189540 ₂ = χ_{77}	2	5	2	1	.	2	.	3	.	1	.	.
189540 ₃ = χ_{78}	2	2	5	1	.	.	2	3	.	.	1	.
189540 ₄ = χ_{79}	5	2	2	1	2	.	.	3	1	.	.	.
189540 ₅ = χ_{80}	2	5	2	1	.	2	.	3	.	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}
189540 ₆ = χ_{81}	11	33	11	11	17	7	23	7	7	10	1	1	6	9
218700 ₁ = χ_{82}	4	22	4	4	4	.	18	6	6	6	1	1	1	7
232960 ₁ = χ_{83}	14	43	20	16	16	10	25	8	7	7	6	2	2	10
232960 ₂ = χ_{84}	14	43	16	20	16	10	25	7	8	7	2	6	2	10
232960 ₃ = χ_{85}	14	43	16	16	20	10	25	7	7	8	2	2	6	10
232960 ₄ = χ_{86}	14	43	20	16	16	10	25	8	7	7	6	2	2	10
232960 ₅ = χ_{87}	14	43	16	20	16	10	25	7	8	7	2	6	2	10
232960 ₆ = χ_{88}	14	43	16	16	20	10	25	7	7	8	2	2	6	10
245700 ₁ = χ_{89}	8	19	10	10	10	6	23	7	7	7	4	4	4	4
262080 ₁ = χ_{90}	11	33	11	14	14	7	27	7	9	9	3	5	5	8
262080 ₂ = χ_{91}	11	33	14	11	14	7	27	9	7	9	5	3	5	8
262080 ₃ = χ_{92}	11	33	14	14	11	7	27	9	9	7	5	5	3	8
262080 ₄ = χ_{93}	11	33	11	14	14	7	27	7	9	9	3	5	5	8
262080 ₅ = χ_{94}	11	33	14	11	14	7	27	9	7	9	5	3	5	8
262080 ₆ = χ_{95}	11	33	14	14	11	7	27	9	9	7	5	5	3	8
291200 ₁ = χ_{96}	14	43	16	16	16	10	30	10	10	10	5	5	5	11
291200 ₂ = χ_{97}	14	43	16	16	16	10	30	10	10	10	5	5	5	11
291200 ₃ = χ_{98}	14	43	16	16	16	10	30	10	10	10	5	5	5	11
291200 ₄ = χ_{99}	14	43	16	16	16	10	30	10	10	10	5	5	5	11
291200 ₅ = χ_{100}	14	43	16	16	16	10	30	10	10	10	5	5	5	11
332800 ₁ = χ_{101}	31	90	36	36	36	23	40	13	13	13	5	5	5	22
332800 ₂ = χ_{102}	11	36	23	10	10	7	32	14	8	8	10	2	2	9
332800 ₃ = χ_{103}	11	36	10	23	10	7	32	8	14	8	2	10	2	9
332800 ₄ = χ_{104}	11	36	10	10	23	7	32	8	8	14	2	2	10	9
419328 ₁ = χ_{105}	26	72	32	28	28	18	44	16	14	14	7	6	6	18
419328 ₂ = χ_{106}	26	72	28	32	28	18	44	14	16	14	6	7	6	18
419328 ₃ = χ_{107}	26	72	28	28	32	18	44	14	14	16	6	6	7	18
465920 ₁ = χ_{108}	17	53	15	23	23	11	45	13	16	16	3	8	8	14
465920 ₂ = χ_{109}	17	53	23	15	23	11	45	16	13	16	8	3	8	14
465920 ₃ = χ_{110}	17	53	23	23	15	11	45	16	16	13	8	8	3	14
491400 ₁ = χ_{111}	19	51	20	20	20	10	47	14	14	14	5	5	5	12
716800 ₁ = χ_{113}	36	98	43	43	43	25	73	22	22	22	11	11	11	22
716800 ₂ = χ_{114}	38	117	44	44	44	25	77	26	26	26	10	10	10	31

(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}
189540 ₆ = χ_{81}	2	2	5	1	.	.	2	3	.	.	1	.
218700 ₁ = χ_{82}	.	.	.	1	2	2	2	.	1	1	1	.
232960 ₁ = χ_{83}	5	2	2	2	1	.	.	2	.	.	.	1
232960 ₂ = χ_{84}	2	5	2	2	.	1	.	2	.	.	.	1
232960 ₃ = χ_{85}	2	2	5	2	.	.	1	2	.	.	.	1
232960 ₄ = χ_{86}	5	2	2	2	1	.	.	2	.	.	.	1
232960 ₅ = χ_{87}	2	5	2	2	.	1	.	2	.	.	.	1
232960 ₆ = χ_{88}	2	2	5	2	.	.	1	2	.	.	.	1
245700 ₁ = χ_{89}	4	4	4	.	1	1	1	3	.	.	.	1
262080 ₁ = χ_{90}	3	4	4	1	1	1	1	3	.	.	.	1
262080 ₂ = χ_{91}	4	3	4	1	1	1	1	3	.	.	.	1
262080 ₃ = χ_{92}	4	4	3	1	1	1	1	3	.	.	.	1
262080 ₄ = χ_{93}	3	4	4	1	1	1	1	3	.	.	.	1
262080 ₅ = χ_{94}	4	3	4	1	1	1	1	3	.	.	.	1
262080 ₆ = χ_{95}	4	4	3	1	1	1	1	3	.	.	.	1
291200 ₁ = χ_{96}	4	4	4	1	1	1	1	4	.	.	.	1
291200 ₂ = χ_{97}	4	4	4	1	1	1	1	4	.	.	.	1
291200 ₃ = χ_{98}	4	4	4	1	1	1	1	4	.	.	.	1
291200 ₄ = χ_{99}	4	4	4	1	1	1	1	4	.	.	.	1
291200 ₅ = χ_{100}	4	4	4	1	1	1	1	4	.	.	.	1
332800 ₁ = χ_{101}	4	4	4	5	.	.	.	4	.	.	.	1
332800 ₂ = χ_{102}	8	2	2	1	3	1	1	3	1	.	.	1
332800 ₃ = χ_{103}	2	8	2	1	1	3	1	3	.	1	.	1
332800 ₄ = χ_{104}	2	2	8	1	1	1	3	3	.	.	1	1
419328 ₁ = χ_{105}	6	5	5	3	2	1	1	5	1	.	.	1
419328 ₂ = χ_{106}	5	6	5	3	1	2	1	5	.	1	.	1
419328 ₃ = χ_{107}	5	5	6	3	1	1	2	5	.	.	1	1
465920 ₁ = χ_{108}	3	7	7	1	1	3	3	5	.	1	1	1
465920 ₂ = χ_{109}	7	3	7	1	3	1	3	5	1	.	1	1
465920 ₃ = χ_{110}	7	7	3	1	3	3	1	5	1	1	.	1
491400 ₁ = χ_{111}	5	5	5	2	3	3	3	3	1	1	1	1
716800 ₁ = χ_{113}	10	10	10	4	2	2	2	7	.	.	.	3
716800 ₂ = χ_{114}	9	9	9	4	3	3	3	9	1	1	1	1

φ_1	=	1_1	φ_{14}	=	1841_1
φ_2	=	28_1	φ_{15}	=	3948_1
φ_3	=	35_1	φ_{16}	=	3948_2
φ_4	=	35_2	φ_{17}	=	3948_3
φ_5	=	35_3	φ_{18}	=	8132_1
φ_6	=	195_1	φ_{19}	=	8343_1
φ_7	=	322_1	φ_{20}	=	8343_2
φ_8	=	518_1	φ_{21}	=	8343_3
φ_9	=	518_2	φ_{22}	=	13776_1
φ_{10}	=	518_3	φ_{23}	=	43254_1
φ_{11}	=	567_1	φ_{24}	=	43254_2
φ_{12}	=	567_2	φ_{25}	=	43254_3
φ_{13}	=	567_3	φ_{26}	=	96755_1