

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

	blocks	defect	matrix
$G :$	1 2	20 0	114×31 $1048576_1 = \chi_{110}, \varphi_{32}$

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	.	.	.	.	.	.	.	.	.	.	.	.	.
$154_1 = \chi_2$	.	1	.	.	1	1	.	.	.	.	.	.	.	.
$187_1 = \chi_3$	1	1	1	1	1	1	.	.	.	.	.	.	.	.
$340_1 = \chi_4$	2	3	.	.	1	1	.	.	1	.	.	.	.	.
$595_1 = \chi_5$	3	.	1	1	1	1	.	.	.	.	1	.	.	.
$595_2 = \chi_6$	3	.	1	1	1	1	.	.	.	.	.	1	.	.
$748_1 = \chi_7$	2	.	1	1	1	.	.	.	.	.	.	.	1	.
$2244_1 = \chi_8$	6	2	1	1	3	1	1	1	1	.	1	1	1	.
$5236_1 = \chi_9$	4	4	2	2	1	1	1	1	2	1	.	.	2	.
$5236_2 = \chi_{10}$	6	4	3	3	3	3	1	1	1	.	1	1	1	.
$5950_1 = \chi_{11}$	2	5	3	2	1	2	1	2	1	.	.	1	1	1
$5950_2 = \chi_{12}$	2	5	2	3	1	2	2	1	1	.	1	.	1	.
$6545_1 = \chi_{13}$	9	4	2	2	5	3	1	1	2	.	1	1	2	.
$6545_2 = \chi_{14}$	7	5	1	1	5	2	.	.	1	.	.	.	2	.
$7700_1 = \chi_{15}$	8	4	1	1	6	2	1	1	1	.	1	1	2	.
$9350_1 = \chi_{16}$	4	7	4	4	2	3	3	3	2	1	1	1	2	1
$10692_1 = \chi_{17}$	6	6	2	2	4	2	1	1	2	1	.	.	3	.
$13090_1 = \chi_{18}$	12	9	3	3	8	4	2	2	3	1	1	1	4	.
$14960_1 = \chi_{19}$	8	8	1	1	4	3	2	2	3	2	1	1	2	.
$15147_1 = \chi_{20}$	9	12	4	4	6	5	3	3	3	1	1	1	3	1
$15708_1 = \chi_{21}$	10	11	4	4	6	4	3	3	3	1	1	1	4	1
$15708_2 = \chi_{22}$	8	8	6	3	5	4	3	2	2	.	1	2	2	1
$15708_3 = \chi_{23}$	8	8	3	6	5	4	2	3	2	.	2	1	2	.
$22848_1 = \chi_{24}$	14	10	4	4	6	4	2	2	6	3	.	.	5	.
$26180_1 = \chi_{25}$	12	12	3	4	10	4	3	2	3	.	1	1	4	.
$26180_2 = \chi_{26}$	12	12	4	3	10	4	2	3	3	.	1	1	4	1
$32725_1 = \chi_{27}$	17	17	7	7	12	7	4	4	4	.	2	2	5	1
$35904_1 = \chi_{28}$	10	14	6	6	6	7	5	5	4	.	2	2	3	1
$39270_1 = \chi_{29}$	16	15	5	5	9	8	2	2	6	1	1	1	4	.
$39270_2 = \chi_{30}$	26	21	9	9	17	10	5	5	6	.	3	3	7	1
$41888_1 = \chi_{31}$	14	14	4	4	6	7	2	2	6	2	1	1	3	.
$56100_1 = \chi_{32}$	22	20	7	7	14	10	3	3	7	.	2	2	5	.
$59840_1 = \chi_{33}$	14	18	8	8	8	10	6	6	6	.	3	3	3	1
$65450_1 = \chi_{34}$	26	27	11	11	16	13	6	6	9	1	3	3	7	1
$65450_2 = \chi_{35}$	22	23	12	9	14	11	6	8	6	1	2	6	5	3
$65450_3 = \chi_{36}$	22	23	9	12	14	11	8	6	6	1	6	2	5	1
$71400_1 = \chi_{37}$	24	28	14	12	15	13	8	9	7	1	3	6	6	3
$71400_2 = \chi_{38}$	24	28	12	14	15	13	9	8	7	1	6	3	6	2
$78540_1 = \chi_{39}$	22	28	11	11	11	13	8	8	10	3	3	3	7	1
$83776_1 = \chi_{40}$	34	40	14	14	22	15	9	9	12	4	3	3	11	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}
$1_1 = \chi_1$	.	.	.	.	.	.	.	.	.	.	.	.	.
$154_1 = \chi_2$	.	.	.	.	.	.	.	.	.	.	.	.	.
$187_1 = \chi_3$	.	.	.	.	.	.	.	.	.	.	.	.	.
$340_1 = \chi_4$	.	.	.	.	.	.	.	.	.	.	.	.	.
$595_1 = \chi_5$	.	.	.	.	.	.	.	.	.	.	.	.	.
$595_2 = \chi_6$	.	.	.	.	.	.	.	.	.	.	.	.	.
$748_1 = \chi_7$	.	.	.	.	.	.	.	.	.	.	.	.	.
$2244_1 = \chi_8$	.	.	.	.	.	.	.	.	.	.	.	.	.
$5236_1 = \chi_9$	.	.	1	.	.	.	.	.	.	.	.	.	.
$5236_2 = \chi_{10}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$5950_1 = \chi_{11}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$5950_2 = \chi_{12}$	1	.	1	.	.	.	.	.	.	.	.	.	.
$6545_1 = \chi_{13}$	.	.	.	.	.	1	.	.	.	.	.	.	.
$6545_2 = \chi_{14}$	.	1	.	.	.	1	.	.	.	.	.	.	.
$7700_1 = \chi_{15}$	.	1	.	.	.	1	.	.	.	.	.	.	.
$9350_1 = \chi_{16}$	1	.	1	.	.	.	.	.	.	.	.	.	.
$10692_1 = \chi_{17}$	.	1	1	.	.	1	.	.	.	.	.	.	.
$13090_1 = \chi_{18}$	.	1	1	.	.	1	.	.	.	.	.	.	.
$14960_1 = \chi_{19}$	.	1	.	1	1	1	.	.	.	.	.	.	.
$15147_1 = \chi_{20}$	1	1	1	.	.	1	.	.	.	.	.	.	.
$15708_1 = \chi_{21}$	1	1	1	.	.	1	.	.	.	.	.	.	.
$15708_2 = \chi_{22}$	.	.	1	.	.	.	1	.	.	.	.	.	.
$15708_3 = \chi_{23}$	1	.	1	.	.	.	.	1	.	.	.	.	.
$22848_1 = \chi_{24}$	.	1	1	.	.	1	.	.	1	.	.	.	.
$26180_1 = \chi_{25}$	1	1	.	.	.	1	1	1	.	.	.	.	.
$26180_2 = \chi_{26}$	.	1	.	.	.	1	1	1	.	.	.	.	.
$32725_1 = \chi_{27}$	1	1	1	.	.	1	1	1	.	.	.	.	.
$35904_1 = \chi_{28}$	1	.	2	.	.	1	.	.	.	1	.	.	.
$39270_1 = \chi_{29}$	.	1	2	.	.	1	.	.	.	.	.	.	1
$39270_2 = \chi_{30}$	1	1	1	.	.	2	1	1	.	.	.	.	.
$41888_1 = \chi_{31}$	.	1	1	1	1	1	.	.	.	.	.	.	1
$56100_1 = \chi_{32}$	.	1	2	.	.	1	1	1	.	.	.	.	1
$59840_1 = \chi_{33}$	1	.	3	.	.	.	.	.	.	1	.	.	1
$65450_1 = \chi_{34}$	1	1	3	.	.	1	1	1	.	.	.	.	1
$65450_2 = \chi_{35}$	1	1	2	.	1	1	1	1	.	.	.	1	.
$65450_3 = \chi_{36}$	3	1	2	1	.	1	1	1	.	.	1	.	.
$71400_1 = \chi_{37}$	2	1	3	.	1	1	1	1	.	.	.	1	.
$71400_2 = \chi_{38}$	3	1	3	1	.	1	1	1	.	.	1	.	.
$78540_1 = \chi_{39}$	1	1	4	1	1	1	.	.	.	1	.	.	1
$83776_1 = \chi_{40}$	2	3	2	1	1	2	2	2	1	.	.	.	.

(Block 1:)	φ_{28}	φ_{29}	φ_{30}	φ_{31}
$1_1 = \chi_1$	.	.	.	.
$154_1 = \chi_2$	.	.	.	.
$187_1 = \chi_3$	.	.	.	.
$340_1 = \chi_4$	.	.	.	.
$595_1 = \chi_5$	.	.	.	.
$595_2 = \chi_6$	.	.	.	.
$748_1 = \chi_7$	.	.	.	.
$2244_1 = \chi_8$	.	.	.	.
$5236_1 = \chi_9$	.	.	.	.
$5236_2 = \chi_{10}$	.	.	.	.
$5950_1 = \chi_{11}$	.	.	.	.
$5950_2 = \chi_{12}$	.	.	.	.
$6545_1 = \chi_{13}$	.	.	.	.
$6545_2 = \chi_{14}$	.	.	.	.
$7700_1 = \chi_{15}$	.	.	.	.
$9350_1 = \chi_{16}$	.	.	.	.
$10692_1 = \chi_{17}$	.	.	.	.
$13090_1 = \chi_{18}$	.	.	.	.
$14960_1 = \chi_{19}$	.	.	.	.
$15147_1 = \chi_{20}$	.	.	.	.
$15708_1 = \chi_{21}$	.	.	.	.
$15708_2 = \chi_{22}$	.	.	.	.
$15708_3 = \chi_{23}$	.	.	.	.
$22848_1 = \chi_{24}$	.	.	.	.
$26180_1 = \chi_{25}$	.	.	.	.
$26180_2 = \chi_{26}$	.	.	.	.
$32725_1 = \chi_{27}$	.	.	.	.
$35904_1 = \chi_{28}$	.	.	.	.
$39270_1 = \chi_{29}$	.	.	.	.
$39270_2 = \chi_{30}$	.	.	.	.
$41888_1 = \chi_{31}$	.	.	.	.
$56100_1 = \chi_{32}$	.	.	.	.
$59840_1 = \chi_{33}$	.	.	.	.
$65450_1 = \chi_{34}$	.	.	.	.
$65450_2 = \chi_{35}$	.	.	.	.
$65450_3 = \chi_{36}$	.	.	.	.
$71400_1 = \chi_{37}$	.	.	.	.
$71400_2 = \chi_{38}$	.	.	.	.
$78540_1 = \chi_{39}$	.	.	.	.
$83776_1 = \chi_{40}$	.	.	.	.

(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}
$104720_1 = \chi_{41}$	36	38	17	19	20	20	11	10	12	2	8	4	8	2
$104720_2 = \chi_{42}$	36	38	19	17	20	20	10	11	12	2	4	8	8	3
$106029_1 = \chi_{43}$	33	41	15	15	20	17	11	11	13	3	4	4	11	2
$106029_2 = \chi_{44}$	39	27	11	11	23	11	7	7	10	2	3	3	13	1
$106029_3 = \chi_{45}$	35	36	17	16	21	19	10	8	11	1	7	4	7	2
$106029_4 = \chi_{46}$	35	36	16	17	21	19	8	10	11	1	4	7	7	2
$123200_1 = \chi_{47}$	22	22	10	10	10	11	7	7	10	2	2	2	8	1
$130900_1 = \chi_{48}$	38	31	9	9	18	13	6	6	16	7	1	1	13	.
$130900_2 = \chi_{49}$	28	38	18	18	15	18	14	14	10	3	7	7	6	4
$130900_3 = \chi_{50}$	46	38	12	12	26	14	8	8	15	6	2	2	16	1
$130900_4 = \chi_{51}$	36	43	16	16	17	18	12	12	15	8	5	5	9	3
$130900_5 = \chi_{52}$	32	42	20	17	17	20	12	14	13	3	4	8	8	4
$130900_6 = \chi_{53}$	32	42	17	20	17	20	14	12	13	3	8	4	8	2
$157080_1 = \chi_{54}$	46	44	14	14	25	17	9	9	18	7	2	2	16	1
$157080_2 = \chi_{55}$	56	50	18	18	33	19	12	12	18	6	4	4	19	2
$171072_1 = \chi_{56}$	46	48	18	18	26	19	11	11	18	6	3	3	16	2
$181764_1 = \chi_{57}$	44	54	22	22	26	25	16	16	16	3	8	8	10	4
$190400_1 = \chi_{58}$	56	64	26	28	32	31	18	17	21	4	10	7	14	3
$190400_2 = \chi_{59}$	56	64	28	26	32	31	17	18	21	4	7	10	14	4
$191488_1 = \chi_{60}$	58	50	24	24	34	24	14	14	16	2	7	7	16	4
$212058_1 = \chi_{61}$	64	73	31	31	36	34	22	22	22	6	11	11	16	5
$227205_1 = \chi_{62}$	69	68	26	26	37	30	16	16	27	8	5	5	23	2
$251328_1 = \chi_{63}$	62	62	26	26	30	30	18	18	24	9	8	8	16	3
$251328_2 = \chi_{64}$	30	36	16	16	16	18	12	12	10	2	8	5	7	3
$251328_3 = \chi_{65}$	30	36	16	16	16	18	12	12	10	2	5	8	7	3
$261800_1 = \chi_{66}$	80	92	40	40	47	44	26	26	28	5	13	13	20	6
$261800_2 = \chi_{67}$	82	84	31	31	45	36	20	20	31	9	7	7	26	3
$261800_3 = \chi_{68}$	58	64	29	29	31	31	22	22	21	5	10	10	16	5
$294525_1 = \chi_{69}$	83	86	34	34	45	38	24	24	30	10	10	10	24	5
$294525_2 = \chi_{70}$	83	86	34	34	45	38	24	24	30	10	10	10	24	5
$294525_3 = \chi_{71}$	83	86	34	34	45	38	24	24	30	10	10	10	24	5
$294525_4 = \chi_{72}$	83	86	34	34	45	38	24	24	30	10	10	10	24	5
$302940_1 = \chi_{73}$	80	81	33	33	43	38	21	21	30	8	9	9	22	4
$314160_1 = \chi_{74}$	104	102	41	41	62	45	26	26	33	8	12	12	29	6
$348160_1 = \chi_{75}$	46	46	20	20	26	22	14	14	14	2	6	6	16	3
$418880_1 = \chi_{76}$	126	136	54	54	72	61	35	35	46	12	15	15	36	7
$418880_2 = \chi_{77}$	84	82	32	32	48	34	20	20	28	9	7	7	29	4
$424116_1 = \chi_{78}$	120	125	53	53	65	60	35	35	42	12	17	17	30	8
$424116_2 = \chi_{79}$	128	120	48	48	72	54	31	31	43	11	13	13	38	6
$424116_3 = \chi_{80}$	82	98	45	40	48	46	30	30	28	5	14	16	21	8

(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}
$104720_1 = \chi_{41}$	3	1	5	1	.	1	1	1	.	.	1	.	1
$104720_2 = \chi_{42}$	2	1	5	.	1	1	1	1	.	.	.	1	1
$106029_1 = \chi_{43}$	2	2	4	1	1	2	1	1	.	1	.	.	1
$106029_2 = \chi_{44}$	1	2	1	.	.	4	1	1	.	.	.	.	.
$106029_3 = \chi_{45}$	2	1	4	1	.	1	2	1	.	.	1	.	1
$106029_4 = \chi_{46}$	2	1	4	.	1	1	1	2	.	.	.	1	1
$123200_1 = \chi_{47}$	1	.	3	.	.	2	.	.	.	1	.	.	1
$130900_1 = \chi_{48}$	.	3	2	1	1	4	.	.	1	.	.	.	1
$130900_2 = \chi_{49}$	4	1	4	2	2	1	1	1	.	1	1	1	.
$130900_3 = \chi_{50}$	1	4	1	1	1	5	1	1	1	.	.	.	.
$130900_4 = \chi_{51}$	3	3	3	3	3	2	1	1	1	.	1	1	.
$130900_5 = \chi_{52}$	2	1	5	1	2	1	1	1	.	1	.	1	1
$130900_6 = \chi_{53}$	4	1	5	2	1	1	1	1	.	1	1	.	1
$157080_1 = \chi_{54}$	1	4	3	1	1	4	1	1	1	.	.	.	1
$157080_2 = \chi_{55}$	2	4	2	1	1	5	2	2	1	.	.	.	.
$171072_1 = \chi_{56}$	2	3	3	1	1	3	2	2	1	.	.	.	1
$181764_1 = \chi_{57}$	4	2	5	2	2	2	2	2	.	1	1	1	1
$190400_1 = \chi_{58}$	4	2	7	2	1	2	2	2	.	1	1	.	2
$190400_2 = \chi_{59}$	3	2	7	1	2	2	2	2	.	1	.	1	2
$191488_1 = \chi_{60}$	4	2	4	.	.	5	2	2	.	.	1	1	.
$212058_1 = \chi_{61}$	5	3	7	3	3	3	2	2	.	1	1	1	1
$227205_1 = \chi_{62}$	2	4	7	1	1	5	1	1	1	1	.	.	2
$251328_1 = \chi_{63}$	3	3	6	3	3	4	1	1	1	1	1	1	1
$251328_2 = \chi_{64}$	3	1	3	2	1	1	1	1	.	1	1	.	1
$251328_3 = \chi_{65}$	3	1	3	1	2	1	1	1	.	1	.	1	1
$261800_1 = \chi_{66}$	6	3	10	2	2	3	3	3	.	1	1	1	2
$261800_2 = \chi_{67}$	3	5	7	2	2	6	2	2	1	1	.	.	2
$261800_3 = \chi_{68}$	5	2	7	2	2	4	1	1	.	2	1	1	1
$294525_1 = \chi_{69}$	5	5	7	3	3	6	2	2	1	1	1	1	1
$294525_2 = \chi_{70}$	5	5	7	3	3	6	2	2	1	1	1	1	1
$294525_3 = \chi_{71}$	5	5	7	3	3	6	2	2	1	1	1	1	1
$294525_4 = \chi_{72}$	5	5	7	3	3	6	2	2	1	1	1	1	1
$302940_1 = \chi_{73}$	4	4	8	2	2	5	2	2	1	1	1	1	2
$314160_1 = \chi_{74}$	6	6	7	2	2	7	4	4	1	.	1	1	1
$348160_1 = \chi_{75}$	3	2	6	.	.	6	.	.	.	1	.	.	1
$418880_1 = \chi_{76}$	7	7	13	3	3	7	4	4	1	1	1	1	3
$418880_2 = \chi_{77}$	4	6	7	1	1	8	2	2	2	.	.	.	1
$424116_1 = \chi_{78}$	8	6	12	4	4	7	3	3	1	1	2	2	2
$424116_2 = \chi_{79}$	6	7	10	2	2	10	3	3	1	1	1	1	2
$424116_3 = \chi_{80}$	6	3	9	3	3	3	4	3	.	2	1	1	2

(Block 1:)	φ_{28}	φ_{29}	φ_{30}	φ_{31}
$104720_1 = \chi_{41}$	.	.	.	.
$104720_2 = \chi_{42}$	.	.	.	.
$106029_1 = \chi_{43}$	.	.	.	.
$106029_2 = \chi_{44}$	1	.	.	.
$106029_3 = \chi_{45}$	.	.	.	.
$106029_4 = \chi_{46}$	.	.	.	.
$123200_1 = \chi_{47}$	1	.	.	.
$130900_1 = \chi_{48}$	1	.	.	.
$130900_2 = \chi_{49}$	.	.	.	.
$130900_3 = \chi_{50}$	1	.	.	.
$130900_4 = \chi_{51}$	.	.	.	.
$130900_5 = \chi_{52}$	.	.	.	.
$130900_6 = \chi_{53}$	.	.	.	.
$157080_1 = \chi_{54}$	1	.	.	.
$157080_2 = \chi_{55}$	1	.	.	.
$171072_1 = \chi_{56}$	1	.	.	.
$181764_1 = \chi_{57}$	.	.	.	.
$190400_1 = \chi_{58}$	.	.	.	.
$190400_2 = \chi_{59}$	.	.	.	.
$191488_1 = \chi_{60}$	1	.	.	.
$212058_1 = \chi_{61}$	.	.	.	.
$227205_1 = \chi_{62}$	1	.	.	.
$251328_1 = \chi_{63}$	1	.	.	.
$251328_2 = \chi_{64}$	.	1	.	.
$251328_3 = \chi_{65}$	.	.	1	.
$261800_1 = \chi_{66}$	.	.	.	.
$261800_2 = \chi_{67}$	1	.	.	.
$261800_3 = \chi_{68}$	1	.	.	.
$294525_1 = \chi_{69}$	1	.	.	.
$294525_2 = \chi_{70}$	1	.	.	.
$294525_3 = \chi_{71}$	1	.	.	.
$294525_4 = \chi_{72}$	1	.	.	.
$302940_1 = \chi_{73}$	1	.	.	.
$314160_1 = \chi_{74}$	1	.	.	.
$348160_1 = \chi_{75}$	1	.	.	1
$418880_1 = \chi_{76}$	1	.	.	.
$418880_2 = \chi_{77}$	1	.	.	1
$424116_1 = \chi_{78}$	1	.	.	.
$424116_2 = \chi_{79}$	2	.	.	.
$424116_3 = \chi_{80}$	.	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}
424116 ₄ = χ_{81}	82	98	40	45	48	46	30	30	28	5	16	14	21	6
523600 ₁ = χ_{82}	92	120	57	51	50	57	40	41	34	8	19	21	22	12
523600 ₂ = χ_{83}	92	120	51	57	50	57	41	40	34	8	21	19	22	9
530145 ₁ = χ_{84}	153	166	68	68	85	77	46	46	55	15	21	21	41	10
530145 ₂ = χ_{85}	103	105	43	43	53	49	29	29	38	13	12	12	31	6
530145 ₃ = χ_{86}	99	110	45	50	51	51	36	36	35	12	18	16	26	8
530145 ₄ = χ_{87}	99	110	50	45	51	51	36	36	35	12	16	18	26	10
589050 ₁ = χ_{88}	132	143	57	60	75	64	41	42	45	12	18	20	37	9
589050 ₂ = χ_{89}	132	143	60	57	75	64	42	41	45	12	20	18	37	10
589050 ₃ = χ_{90}	132	143	57	60	75	64	41	42	45	12	18	20	37	9
589050 ₄ = χ_{91}	132	143	60	57	75	64	42	41	45	12	20	18	37	10
598400 ₁ = χ_{92}	88	98	40	40	48	42	32	32	30	10	14	14	27	8
609280 ₁ = χ_{93}	112	146	68	58	62	68	46	49	43	10	18	27	28	14
609280 ₂ = χ_{94}	112	146	58	68	62	68	49	46	43	10	27	18	28	9
630784 ₁ = χ_{95}	126	126	54	54	66	60	38	38	42	16	19	19	32	10
681615 ₁ = χ_{96}	147	165	65	73	81	76	50	48	53	14	26	19	40	9
681615 ₂ = χ_{97}	147	165	73	65	81	76	48	50	53	14	19	26	40	13
722925 ₁ = χ_{98}	157	167	74	64	87	75	49	52	54	15	18	27	45	14
722925 ₂ = χ_{99}	157	167	64	74	87	75	52	49	54	15	27	18	45	9
722925 ₃ = χ_{100}	155	179	79	70	85	83	52	52	58	15	23	25	41	13
722925 ₄ = χ_{101}	155	179	70	79	85	83	52	52	58	15	25	23	41	10
722925 ₅ = χ_{102}	127	133	55	56	71	59	40	39	41	13	19	16	39	10
722925 ₆ = χ_{103}	127	133	56	55	71	59	39	40	41	13	16	19	39	10
765952 ₁ = χ_{104}	110	118	46	46	66	46	34	34	34	10	13	13	40	9
837760 ₁ = χ_{105}	182	188	78	78	98	86	54	54	64	22	24	24	51	13
848232 ₁ = χ_{106}	150	176	74	74	83	80	55	55	54	14	25	25	42	13
908820 ₁ = χ_{107}	214	211	85	85	118	94	56	56	74	23	23	23	65	12
969408 ₁ = χ_{108}	148	154	64	64	80	68	48	48	50	15	20	20	48	11
1047200 ₁ = χ_{109}	196	220	94	94	108	101	71	71	68	18	33	33	54	17
1060290 ₁ = χ_{111}	214	249	105	105	119	114	77	77	76	20	36	36	58	18
1136025 ₁ = χ_{112}	225	262	112	112	125	122	82	82	79	20	40	40	57	20
1178100 ₁ = χ_{113}	204	219	88	88	110	98	63	63	73	23	27	27	61	14
1403325 ₁ = χ_{114}	279	293	121	121	155	129	85	85	95	29	36	36	85	20
1403325 ₂ = χ_{115}	293	337	141	141	161	157	102	102	107	27	48	48	77	23

(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}
424116 ₄ = χ_{81}	8	3	9	3	3	3	3	4	.	2	1	1	2
523600 ₁ = χ_{82}	9	3	12	5	5	3	4	3	.	3	2	2	2
523600 ₂ = χ_{83}	12	3	12	5	5	3	3	4	.	3	2	2	2
530145 ₁ = χ_{84}	10	8	16	5	5	9	4	4	1	2	2	2	3
530145 ₂ = χ_{85}	6	6	11	3	3	9	1	1	2	1	1	1	2
530145 ₃ = χ_{86}	10	5	9	5	5	6	2	3	1	2	2	2	1
530145 ₄ = χ_{87}	8	5	9	5	5	6	3	2	1	2	2	2	1
589050 ₁ = χ_{88}	10	7	11	4	5	8	4	5	1	2	1	2	2
589050 ₂ = χ_{89}	9	7	11	5	4	8	5	4	1	2	2	1	2
589050 ₃ = χ_{90}	10	7	11	4	5	8	4	5	1	2	1	2	2
589050 ₄ = χ_{91}	9	7	11	5	4	8	5	4	1	2	2	1	2
598400 ₁ = χ_{92}	8	5	5	4	4	6	3	3	1	2	1	1	1
609280 ₁ = χ_{93}	9	4	14	5	7	4	5	4	.	4	1	3	3
609280 ₂ = χ_{94}	14	4	14	7	5	4	4	5	.	4	3	1	3
630784 ₁ = χ_{95}	10	8	12	5	5	10	2	2	2	.	3	3	1
681615 ₁ = χ_{96}	13	7	15	6	5	8	4	5	1	3	3	1	3
681615 ₂ = χ_{97}	9	7	15	5	6	8	5	4	1	3	1	3	3
722925 ₁ = χ_{98}	9	8	13	5	6	11	5	4	1	3	1	3	2
722925 ₂ = χ_{99}	14	8	13	6	5	11	4	5	1	3	3	1	2
722925 ₃ = χ_{100}	10	7	17	6	6	7	6	4	1	3	2	2	4
722925 ₄ = χ_{101}	13	7	17	6	6	7	4	6	1	3	2	2	4
722925 ₅ = χ_{102}	10	8	11	4	3	11	3	3	2	1	2	1	1
722925 ₆ = χ_{103}	10	8	11	3	4	11	3	3	2	1	1	2	1
765952 ₁ = χ_{104}	9	8	6	2	2	10	4	4	2	1	.	.	1
837760 ₁ = χ_{105}	13	11	17	6	6	14	4	4	3	1	3	3	2
848232 ₁ = χ_{106}	13	7	15	6	6	8	5	5	1	4	2	2	3
908820 ₁ = χ_{107}	12	13	18	5	5	18	5	5	3	1	2	2	3
969408 ₁ = χ_{108}	11	8	12	4	4	13	3	3	2	3	1	1	2
1047200 ₁ = χ_{109}	17	9	18	8	8	12	6	6	1	5	3	3	3
1060290 ₁ = χ_{111}	18	10	22	9	9	11	7	7	1	5	3	3	4
1136025 ₁ = χ_{112}	20	10	23	10	10	11	8	8	1	5	4	4	4
1178100 ₁ = χ_{113}	14	12	18	7	7	15	5	5	3	3	2	2	4
1403325 ₁ = χ_{114}	20	16	23	8	8	21	8	8	4	3	3	3	3
1403325 ₂ = χ_{115}	23	13	31	12	12	15	9	9	1	7	4	4	7

(Block 1:)	φ_{28}	φ_{29}	φ_{30}	φ_{31}	
424116 ₄ = χ_{81}	.	.	1	.	
523600 ₁ = χ_{82}	.	1	.	.	$\varphi_1 = 1_1$
523600 ₂ = χ_{83}	.	.	1	.	$\varphi_2 = 10_1$
530145 ₁ = χ_{84}	1	.	.	.	$\varphi_3 = 16_1$
530145 ₂ = χ_{85}	1	.	.	1	$\varphi_4 = 16_2$
530145 ₃ = χ_{86}	1	.	1	.	$\varphi_5 = 44_1$
530145 ₄ = χ_{87}	1	1	.	.	$\varphi_6 = 100_1$
589050 ₁ = χ_{88}	1	.	1	.	$\varphi_7 = 144_1$
589050 ₂ = χ_{89}	1	1	.	.	$\varphi_8 = 144_2$
589050 ₃ = χ_{90}	1	.	1	.	$\varphi_9 = 164_1$
589050 ₄ = χ_{91}	1	1	.	.	$\varphi_{10} = 320_1$
598400 ₁ = χ_{92}	1	1	1	.	$\varphi_{11} = 416_1$
609280 ₁ = χ_{93}	.	1	.	.	$\varphi_{12} = 416_2$
609280 ₂ = χ_{94}	.	.	1	.	$\varphi_{13} = 670_1$
630784 ₁ = χ_{95}	1	.	.	1	$\varphi_{14} = 1184_1$
681615 ₁ = χ_{96}	1	.	1	.	$\varphi_{15} = 1184_2$
681615 ₂ = χ_{97}	1	1	.	.	$\varphi_{16} = 1408_1$
722925 ₁ = χ_{98}	2	1	.	.	$\varphi_{17} = 2708_1$
722925 ₂ = χ_{99}	2	.	1	.	$\varphi_{18} = 2976_1$
722925 ₃ = χ_{100}	1	1	.	.	$\varphi_{19} = 2976_2$
722925 ₄ = χ_{101}	1	.	1	.	$\varphi_{20} = 3124_1$
722925 ₅ = χ_{102}	1	1	.	1	$\varphi_{21} = 7328_1$
722925 ₆ = χ_{103}	1	.	1	1	$\varphi_{22} = 7328_2$
765952 ₁ = χ_{104}	1	1	1	1	$\varphi_{23} = 8832_1$
837760 ₁ = χ_{105}	2	.	.	1	$\varphi_{24} = 17920_1$
848232 ₁ = χ_{106}	1	1	1	.	$\varphi_{25} = 20832_1$
908820 ₁ = χ_{107}	3	.	.	1	$\varphi_{26} = 20832_2$
969408 ₁ = χ_{108}	2	1	1	1	$\varphi_{27} = 22408_1$
1047200 ₁ = χ_{109}	2	1	1	.	$\varphi_{28} = 52710_1$
1060290 ₁ = χ_{111}	1	1	1	.	$\varphi_{29} = 127584_1$
1136025 ₁ = χ_{112}	1	1	1	.	$\varphi_{30} = 127584_2$
1178100 ₁ = χ_{113}	2	1	1	1	$\varphi_{31} = 183040_1$
1403325 ₁ = χ_{114}	3	1	1	1	
1403325 ₂ = χ_{115}	2	1	1	.	