

$$Fi_{23} \pmod{3}$$

	blocks	defect	matrix
$G :$	1	13	94×32
	2	1	3×2
	3	0	$476702577_1 = \chi_{92}, \varphi_{35}$

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	.	.	.	.	.	.	.	.	.	.	.	.	.
$782_1 = \chi_2$	1	1	1	.	.	.	.	.	.	.	.	.	.	.
$3588_1 = \chi_3$	1	1	1	1	.	.	.	.	.	.	.	.	.	.
$5083_1 = \chi_4$	.	1	.	.	1	.	.	.	.	.	.	.	.	.
$25806_1 = \chi_5$	.	2	.	.	1	.	.	1	.	.	.	.	.	.
$30888_1 = \chi_6$	1	1	3	1	.	1	1	.	.	.	.	.	.	.
$60996_1 = \chi_7$	1	3	2	1	2	1	1	1	.	.	.	.	.	.
$106743_1 = \chi_8$	.	1	1	.	.	1	1	.	.	1	.	.	.	.
$111826_1 = \chi_9$	.	1	.	.	1	.	.	1	.	.	1	.	.	.
$274482_1 = \chi_{10}$	1	4	3	1	2	2	2	2	.	1	1	.	.	.
$279565_1 = \chi_{11}$	.	2	1	2	1	.	.	1	1	.	1	1	.	.
$752675_1 = \chi_{12}$	.	2	.	1	.	.	.	1	1	.	1	.	1	1
$789360_1 = \chi_{13}$	1	4	3	4	3	1	1	3	1	.	3	1	1	.
$812889_1 = \chi_{14}$	1	4	3	1	2	2	2	2	.	1	1	.	.	.
$837200_1 = \chi_{15}$	.	1	.	.	1	.	.	1	.	.	1	.	.	.
$837200_2 = \chi_{16}$	.	1	.	.	1	.	.	1	.	.	1	.	.	.
$850850_1 = \chi_{17}$	.	.	.	.	1	.	.	.	1	.	.	.	.	.
$850850_2 = \chi_{18}$	.	.	.	.	1	.	.	.	1	.	.	.	.	.
$1677390_1 = \chi_{19}$	1	2	2	2	1	1	1	1	1	.	1	.	1	.
$1951872_1 = \chi_{20}$	1	8	4	4	3	2	2	5	2	1	4	1	1	1
$2236520_1 = \chi_{21}$	.	1	.	3	3	.	.	1	3	.	1	1	1	.
$2322540_1 = \chi_{22}$	.	7	1	3	3	1	1	5	2	.	4	.	2	2
$3913910_1 = \chi_{23}$	1	8	3	5	6	2	2	5	4	1	4	1	2	1
$5533110_1 = \chi_{24}$	2	9	6	5	4	4	4	6	2	2	5	1	2	1
$6709560_1 = \chi_{25}$	1	5	1	3	3	1	1	3	3	1	2	.	1	.
$7468032_1 = \chi_{26}$	2	5	4	3	3	3	3	3	1	1	2	1	2	.
$8783424_1 = \chi_{27}$	1	5	2	2	4	2	2	3	3	1	2	1	2	1
$9108736_1 = \chi_{28}$	1	2	2	1	4	1	2	1	2	1	1	.	.	.
$9108736_2 = \chi_{29}$	1	2	2	1	4	2	1	1	2	1	1	.	.	.
$10567557_1 = \chi_{30}$	1	12	4	6	8	3	3	9	5	1	8	1	4	2
$10674300_1 = \chi_{31}$	2	7	4	3	6	3	3	3	4	2	2	.	1	1
$12077208_1 = \chi_{32}$	2	6	4	2	4	4	4	4	.	2	2	1	2	1
$15096510_1 = \chi_{33}$	1	12	4	6	8	3	3	9	5	1	8	1	4	2
$17892160_1 = \chi_{34}$	1	9	2	4	5	2	2	7	4	1	6	.	3	1
$18812574_1 = \chi_{35}$	2	17	6	8	12	5	5	12	8	2	10	2	6	3
$20322225_1 = \chi_{36}$	3	10	6	4	10	5	5	6	3	3	4	1	2	1
$21135114_1 = \chi_{37}$	1	10	3	5	3	2	2	6	3	1	5	1	2	1
$21348600_1 = \chi_{38}$	3	23	9	11	11	7	7	16	8	3	13	1	7	3
$22644765_1 = \chi_{39}$	.	13	2	8	5	1	1	10	5	.	10	1	4	2
$26838240_1 = \chi_{40}$	3	18	7	7	9	7	7	12	5	4	9	1	6	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}	φ_{27}
$1_1 = \chi_1$	.	.	.	.	.	.	.	.	.	.	.	.	.
$782_1 = \chi_2$	.	.	.	.	.	.	.	.	.	.	.	.	.
$3588_1 = \chi_3$	.	.	.	.	.	.	.	.	.	.	.	.	.
$5083_1 = \chi_4$	.	.	.	.	.	.	.	.	.	.	.	.	.
$25806_1 = \chi_5$	.	.	.	.	.	.	.	.	.	.	.	.	.
$30888_1 = \chi_6$	.	.	.	.	.	.	.	.	.	.	.	.	.
$60996_1 = \chi_7$	.	.	.	.	.	.	.	.	.	.	.	.	.
$106743_1 = \chi_8$	.	.	.	.	.	.	.	.	.	.	.	.	.
$111826_1 = \chi_9$	.	.	.	.	.	.	.	.	.	.	.	.	.
$274482_1 = \chi_{10}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$279565_1 = \chi_{11}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$752675_1 = \chi_{12}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$789360_1 = \chi_{13}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$812889_1 = \chi_{14}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$837200_1 = \chi_{15}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$837200_2 = \chi_{16}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$850850_1 = \chi_{17}$	.	.	.	1	.	.	.	.	.	.	.	.	.
$850850_2 = \chi_{18}$	.	.	.	.	1	.	.	.	.	.	.	.	.
$1677390_1 = \chi_{19}$	.	.	.	.	.	1	.	.	.	.	.	.	.
$1951872_1 = \chi_{20}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$2236520_1 = \chi_{21}$	.	.	.	1	1	.	.	.	.	.	.	.	.
$2322540_1 = \chi_{22}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$3913910_1 = \chi_{23}$	1	.	.	1	1	.	.	.	.	.	.	.	.
$5533110_1 = \chi_{24}$	2	.	.	.	.	.	.	1	.	.	.	.	.
$6709560_1 = \chi_{25}$	.	.	.	1	1	.	.	.	.	1	.	.	.
$7468032_1 = \chi_{26}$	.	.	.	.	.	1	.	1	1	.	.	.	.
$8783424_1 = \chi_{27}$	1	.	.	1	1	.	.	1	1	.	.	.	.
$9108736_1 = \chi_{28}$	.	.	1	.	1	.	.	.	.	.	.	1	.
$9108736_2 = \chi_{29}$	.	1	.	1	.	.	.	.	.	.	.	1	.
$10567557_1 = \chi_{30}$	1	1	1	1	1	1	.	.	1	.	.	.	.
$10674300_1 = \chi_{31}$	1	.	.	1	1	.	.	.	.	.	.	1	.
$12077208_1 = \chi_{32}$	1	.	.	.	.	.	1	2	1	.	.	.	.
$15096510_1 = \chi_{33}$	1	1	1	1	1	1	.	.	.	.	1	.	.
$17892160_1 = \chi_{34}$	.	1	1	1	1	1	.	.	.	1	1	.	.
$18812574_1 = \chi_{35}$	1	1	1	2	2	1	.	1	2	.	.	.	.
$20322225_1 = \chi_{36}$	1	1	1	1	1	.	1	1	1	.	.	1	.
$21135114_1 = \chi_{37}$	1	.	.	1	1	.	.	1	.	1	.	.	1
$21348600_1 = \chi_{38}$	2	1	1	1	1	2	.	1	1	1	.	.	.
$22644765_1 = \chi_{39}$	1	1	1	1	1	1	.	.	.	1	.	.	1
$26838240_1 = \chi_{40}$	2	1	1	1	1	1	1	2	2	1	.	.	.

(Block 1:)	φ_{28}	φ_{29}	φ_{30}	φ_{31}	φ_{32}
$1_1 = \chi_1$	.	.	.	.	.
$782_1 = \chi_2$	.	.	.	.	.
$3588_1 = \chi_3$	.	.	.	.	.
$5083_1 = \chi_4$	.	.	.	.	.
$25806_1 = \chi_5$	.	.	.	.	.
$30888_1 = \chi_6$	.	.	.	.	.
$60996_1 = \chi_7$	.	.	.	.	.
$106743_1 = \chi_8$	.	.	.	.	.
$111826_1 = \chi_9$	.	.	.	.	.
$274482_1 = \chi_{10}$	.	.	.	.	.
$279565_1 = \chi_{11}$	.	.	.	.	.
$752675_1 = \chi_{12}$	.	.	.	.	.
$789360_1 = \chi_{13}$	.	.	.	.	.
$812889_1 = \chi_{14}$	.	.	.	.	.
$837200_1 = \chi_{15}$	.	.	.	.	.
$837200_2 = \chi_{16}$	.	.	.	.	.
$850850_1 = \chi_{17}$	.	.	.	.	.
$850850_2 = \chi_{18}$	.	.	.	.	.
$1677390_1 = \chi_{19}$	.	.	.	.	.
$1951872_1 = \chi_{20}$	.	.	.	.	.
$2236520_1 = \chi_{21}$	.	.	.	.	.
$2322540_1 = \chi_{22}$	.	.	.	.	.
$3913910_1 = \chi_{23}$	.	.	.	.	.
$5533110_1 = \chi_{24}$	.	.	.	.	.
$6709560_1 = \chi_{25}$	.	.	.	.	.
$7468032_1 = \chi_{26}$	.	.	.	.	.
$8783424_1 = \chi_{27}$	.	.	.	.	.
$9108736_1 = \chi_{28}$	.	.	.	.	.
$9108736_2 = \chi_{29}$	.	.	.	.	.
$10567557_1 = \chi_{30}$	.	.	.	.	.
$10674300_1 = \chi_{31}$	.	.	.	.	.
$12077208_1 = \chi_{32}$	.	.	.	.	.
$15096510_1 = \chi_{33}$	.	.	.	.	.
$17892160_1 = \chi_{34}$	.	.	.	.	.
$18812574_1 = \chi_{35}$	.	.	.	.	.
$20322225_1 = \chi_{36}$	.	.	.	.	.
$21135114_1 = \chi_{37}$	.	.	.	.	.
$21348600_1 = \chi_{38}$	.	.	.	.	.
$22644765_1 = \chi_{39}$	.	.	.	.	.
$26838240_1 = \chi_{40}$	.	.	.	.	.

(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}
$28464800_1 = \chi_{41}$	3	17	6	8	11	5	5	12	8	2	10	1	6	2
$29354325_1 = \chi_{42}$	5	19	10	9	12	9	9	11	7	5	7	2	6	2
$35225190_1 = \chi_{43}$	3	21	7	8	14	6	6	14	9	3	12	.	6	3
$37573536_1 = \chi_{44}$	3	8	5	1	5	5	5	4	1	2	2	.	2	1
$40840800_1 = \chi_{45}$	2	8	2	1	4	2	2	3	2	.	3	.	1	1
$42270228_1 = \chi_{46}$	2	10	5	5	9	4	4	7	6	2	6	1	4	1
$48034350_1 = \chi_{47}$	2	26	6	13	15	5	5	19	11	2	17	2	8	3
$48308832_1 = \chi_{48}$	.	9	1	3	3	1	1	5	2	.	5	.	1	.
$55740960_1 = \chi_{49}$	4	28	10	14	19	8	8	19	11	4	16	3	8	4
$56360304_1 = \chi_{50}$	7	28	14	12	25	12	12	17	13	7	13	2	7	3
$56360304_2 = \chi_{51}$	7	28	14	12	25	12	12	17	13	7	13	2	7	3
$57254912_1 = \chi_{52}$	4	21	8	9	21	6	6	12	12	4	11	1	3	2
$58708650_1 = \chi_{53}$	4	18	8	6	8	7	7	10	4	3	7	1	4	2
$58708650_2 = \chi_{54}$	4	33	10	16	21	8	8	22	15	4	19	2	9	4
$65875680_1 = \chi_{55}$	7	19	12	6	25	10	10	9	11	6	6	.	1	2
$73531392_1 = \chi_{56}$	4	12	7	4	12	6	6	6	7	3	5	.	3	1
$73531392_2 = \chi_{57}$	3	19	5	6	10	4	4	10	6	1	10	1	3	1
$78278200_1 = \chi_{58}$	5	20	10	9	26	8	8	12	15	5	11	1	5	2
$93933840_1 = \chi_{59}$	5	33	9	12	17	8	8	20	11	3	18	1	8	4
$97976320_1 = \chi_{60}$	9	48	19	24	38	16	16	31	23	8	26	4	15	6
$133398252_1 = \chi_{61}$	6	32	12	13	26	10	10	19	18	4	18	.	10	4
$153014400_1 = \chi_{62}$	10	60	22	25	45	18	18	37	26	10	32	3	12	6
$153014400_2 = \chi_{63}$	8	50	17	21	35	14	14	31	24	6	28	2	14	5
$166559744_1 = \chi_{64}$	7	56	15	22	33	13	13	35	21	5	32	2	13	6
$166559744_2 = \chi_{65}$	14	51	28	21	49	23	23	28	25	13	22	3	11	5
$176125950_1 = \chi_{66}$	11	46	20	16	36	17	17	25	19	8	21	2	10	5
$176125950_2 = \chi_{67}$	11	46	20	16	36	17	17	25	19	8	21	2	10	5
$203802885_1 = \chi_{68}$	10	56	18	21	40	15	15	33	26	6	32	2	14	6
$211351140_1 = \chi_{70}$	12	61	21	22	45	18	18	35	26	8	32	2	14	7
$216154575_1 = \chi_{71}$	9	36	14	6	23	12	12	15	8	4	14	.	3	4
$216770400_1 = \chi_{72}$	16	68	32	26	52	27	27	39	27	14	30	4	16	8
$244563462_1 = \chi_{73}$	12	36	16	8	32	15	15	16	12	5	16	.	4	2
$263376036_1 = \chi_{74}$	15	54	28	17	56	23	23	27	27	12	22	.	6	4
$264188925_1 = \chi_{75}$	12	71	23	26	47	20	20	42	28	8	39	3	17	7
$264536064_1 = \chi_{76}$	11	48	16	13	35	15	15	24	18	4	23	1	8	4
$264536064_2 = \chi_{77}$	15	50	27	16	49	22	22	26	22	10	22	1	8	5
$286274560_1 = \chi_{78}$	12	74	23	27	47	19	19	42	28	7	39	3	15	7
$287721720_1 = \chi_{79}$	19	80	40	30	72	32	32	45	37	16	37	3	14	8
$289027200_1 = \chi_{80}$	16	92	33	34	60	28	28	55	34	13	47	4	20	10
$289027200_2 = \chi_{81}$	18	86	34	34	62	29	29	50	35	13	43	5	22	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}	φ_{27}
$28464800_1 = \chi_{41}$	1	1	1	2	2	2	.	1	1	1	1	.	.
$29354325_1 = \chi_{42}$	2	.	.	2	2	1	1	3	2	1	.	.	.
$35225190_1 = \chi_{43}$	1	2	2	2	2	2	.	.	1	1	1	1	.
$37573536_1 = \chi_{44}$	.	1	1	.	.	1	1	1	1	.	.	.	.
$40840800_1 = \chi_{45}$	.	1	1	.	.	1	1	.	.	.	.	.	.
$42270228_1 = \chi_{46}$	2	1	1	2	2	1	.	1	1	.	.	.	.
$48034350_1 = \chi_{47}$	1	2	2	3	3	2	.	1	1	2	1	.	1
$48308832_1 = \chi_{48}$	.	1	1	1	1	.	.	.	.	1	.	.	1
$55740960_1 = \chi_{49}$	2	2	2	3	3	1	1	2	1	1	1	1	1
$56360304_1 = \chi_{50}$	2	2	2	4	4	1	1	2	2	1	1	2	.
$56360304_2 = \chi_{51}$	2	2	2	4	4	1	1	2	2	1	1	2	.
$57254912_1 = \chi_{52}$	1	2	2	4	4	.	.	.	.	1	1	3	1
$58708650_1 = \chi_{53}$	1	1	1	1	1	1	1	2	1	1	.	.	1
$58708650_2 = \chi_{54}$	2	2	2	4	4	2	.	1	1	2	1	1	1
$65875680_1 = \chi_{55}$	1	2	2	4	4	.	1	.	.	.	1	4	.
$73531392_1 = \chi_{56}$	1	2	2	2	2	1	.	.	1	.	.	1	.
$73531392_2 = \chi_{57}$	.	2	2	1	1	2	.	.	.	1	1	1	1
$78278200_1 = \chi_{58}$	2	3	3	5	5	1	.	.	1	.	1	3	.
$93933840_1 = \chi_{59}$	1	3	3	2	2	3	1	1	1	2	1	1	1
$97976320_1 = \chi_{60}$	3	3	3	7	7	3	1	3	3	2	2	2	1
$133398252_1 = \chi_{61}$	4	4	4	4	4	4	.	.	1	.	.	2	.
$153014400_1 = \chi_{62}$	4	5	5	8	8	2	1	2	1	3	2	4	2
$153014400_2 = \chi_{63}$	3	5	5	6	6	5	.	1	2	2	2	2	1
$166559744_1 = \chi_{64}$	2	5	5	5	5	4	1	1	1	3	2	2	2
$166559744_2 = \chi_{65}$	4	5	5	8	8	2	2	3	3	1	1	5	1
$176125950_1 = \chi_{66}$	3	5	5	5	5	3	2	2	2	1	1	3	1
$176125950_2 = \chi_{67}$	3	5	5	5	5	3	2	2	2	1	1	3	1
$203802885_1 = \chi_{68}$	2	7	7	6	6	6	1	.	1	2	3	3	1
$211351140_1 = \chi_{70}$	3	7	7	6	6	5	2	1	2	2	2	4	1
$216154575_1 = \chi_{71}$	1	6	6	1	1	2	3	.	.	.	.	3	2
$216770400_1 = \chi_{72}$	5	6	6	8	8	3	3	5	4	2	1	4	2
$244563462_1 = \chi_{73}$	.	7	7	2	2	4	4	.	.	.	1	4	.
$263376036_1 = \chi_{74}$	2	8	8	9	9	2	2	.	.	1	2	8	2
$264188925_1 = \chi_{75}$	3	8	8	7	7	6	2	2	2	3	3	3	2
$264536064_1 = \chi_{76}$	1	7	7	4	4	5	3	.	.	1	2	3	1
$264536064_2 = \chi_{77}$	3	8	8	6	6	3	3	1	1	.	1	6	1
$286274560_1 = \chi_{78}$	3	8	8	7	7	5	2	1	1	3	2	3	3
$287721720_1 = \chi_{79}$	5	9	9	11	11	3	2	2	2	1	2	8	2
$289027200_1 = \chi_{80}$	6	9	9	9	9	5	3	4	3	4	2	4	3
$289027200_2 = \chi_{81}$	4	8	8	9	9	7	3	4	4	3	3	4	2

(Block 1:)	φ_{28}	φ_{29}	φ_{30}	φ_{31}	φ_{32}
$28464800_1 = \chi_{41}$	.	.	.	.	.
$29354325_1 = \chi_{42}$	.	.	.	.	.
$35225190_1 = \chi_{43}$	.	.	.	.	.
$37573536_1 = \chi_{44}$	.	1	.	.	.
$40840800_1 = \chi_{45}$	.	.	.	.	1
$42270228_1 = \chi_{46}$	.	.	1	.	.
$48034350_1 = \chi_{47}$	.	.	.	.	.
$48308832_1 = \chi_{48}$	.	.	.	1	.
$55740960_1 = \chi_{49}$	.	.	.	.	.
$56360304_1 = \chi_{50}$	.	.	.	.	.
$56360304_2 = \chi_{51}$	.	.	.	.	.
$57254912_1 = \chi_{52}$	.	.	.	.	.
$58708650_1 = \chi_{53}$	.	1	.	.	.
$58708650_2 = \chi_{54}$	.	.	.	.	.
$65875680_1 = \chi_{55}$	1	.	.	.	.
$73531392_1 = \chi_{56}$	.	1	1	.	.
$73531392_2 = \chi_{57}$	.	.	.	.	1
$78278200_1 = \chi_{58}$	.	.	1	.	.
$93933840_1 = \chi_{59}$	.	.	.	.	1
$97976320_1 = \chi_{60}$	.	.	.	.	.
$133398252_1 = \chi_{61}$	.	.	2	.	1
$153014400_1 = \chi_{62}$	.	.	.	1	.
$153014400_2 = \chi_{63}$	.	.	1	.	1
$166559744_1 = \chi_{64}$	.	.	.	1	1
$166559744_2 = \chi_{65}$	.	1	1	.	.
$176125950_1 = \chi_{66}$	.	1	1	.	1
$176125950_2 = \chi_{67}$	.	1	1	.	1
$203802885_1 = \chi_{68}$	.	.	1	.	2
$211351140_1 = \chi_{70}$	.	.	1	.	2
$216154575_1 = \chi_{71}$	.	2	1	.	2
$216770400_1 = \chi_{72}$	.	2	1	.	.
$244563462_1 = \chi_{73}$	1	.	1	1	3
$263376036_1 = \chi_{74}$	1	2	1	1	.
$264188925_1 = \chi_{75}$	.	.	1	1	2
$264536064_1 = \chi_{76}$	1	.	1	1	3
$264536064_2 = \chi_{77}$	1	2	2	.	1
$286274560_1 = \chi_{78}$	.	1	1	1	2
$287721720_1 = \chi_{79}$	1	2	1	1	.
$289027200_1 = \chi_{80}$	.	1	1	1	1
$289027200_2 = \chi_{81}$	.	1	1	.	2

(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}
$313112800_1 = \chi_{83}$	20	84	38	31	70	32	32	47	38	16	39	4	19	9
$313112800_2 = \chi_{84}$	17	76	31	26	59	26	26	41	31	11	36	2	13	7
$313112800_3 = \chi_{85}$	17	76	31	26	59	26	26	41	31	11	36	2	13	7
$322058880_1 = \chi_{86}$	22	106	44	43	81	37	37	64	47	19	54	5	27	12
$336061440_1 = \chi_{87}$	17	84	32	31	66	27	27	48	36	11	43	2	16	7
$341577600_1 = \chi_{88}$	17	77	29	24	55	25	25	41	27	9	37	2	13	7
$343529472_1 = \chi_{89}$	19	73	36	24	68	29	29	38	33	14	32	2	10	6
$352251900_1 = \chi_{90}$	20	88	39	34	83	32	32	50	46	16	44	3	17	8
$362316240_1 = \chi_{91}$	18	91	36	33	71	30	30	53	38	14	46	4	19	9
$504627200_1 = \chi_{94}$	29	120	52	43	100	44	44	65	51	20	57	5	23	11
$504627200_2 = \chi_{95}$	25	116	46	39	88	39	39	64	48	16	57	3	23	11
$526752072_1 = \chi_{96}$	29	107	50	33	100	43	43	55	47	19	48	2	16	9
$528377850_1 = \chi_{97}$	28	111	50	35	95	42	42	57	47	18	50	2	16	9
$559458900_1 = \chi_{98}$	24	117	41	36	83	36	36	61	45	14	56	3	19	10

(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}
$313112800_1 = \chi_{83}$	6	9	9	11	11	5	3	4	4	2	2	6	2
$313112800_2 = \chi_{84}$	3	9	9	8	8	5	3	1	1	2	2	6	2
$313112800_3 = \chi_{85}$	3	9	9	8	8	5	3	1	1	2	2	6	2
$322058880_1 = \chi_{86}$	8	10	10	13	13	7	3	5	5	4	3	6	2
$336061440_1 = \chi_{87}$	3	10	10	10	10	6	3	1	1	3	3	6	2
$341577600_1 = \chi_{88}$	2	10	10	6	6	6	4	1	1	2	2	5	2
$343529472_1 = \chi_{89}$	4	10	10	10	10	3	3	1	1	1	2	8	2
$352251900_1 = \chi_{90}$	5	11	11	14	14	5	2	1	2	2	3	9	2
$362316240_1 = \chi_{91}$	5	11	11	11	11	5	3	3	3	3	3	6	3
$504627200_1 = \chi_{94}$	5	14	14	14	14	8	5	3	3	3	4	10	3
$504627200_2 = \chi_{95}$	6	15	15	12	12	9	4	2	3	3	3	8	3
$526752072_1 = \chi_{96}$	3	16	16	13	13	7	6	1	2	1	3	12	2
$528377850_1 = \chi_{97}$	4	15	15	13	13	7	5	1	1	2	3	11	3
$559458900_1 = \chi_{98}$	4	15	15	12	12	8	5	2	1	4	3	8	5

(Block 1:)	φ_{28}	φ_{29}	φ_{30}	φ_{31}	φ_{32}
$313112800_1 = \chi_{83}$	.	2	2	.	1
$313112800_2 = \chi_{84}$	1	1	1	1	2
$313112800_3 = \chi_{85}$	1	1	1	1	2
$322058880_1 = \chi_{86}$	.	1	2	.	1
$336061440_1 = \chi_{87}$	1	.	1	2	2
$341577600_1 = \chi_{88}$	1	1	1	1	3
$343529472_1 = \chi_{89}$	1	2	2	1	1
$352251900_1 = \chi_{90}$	1	1	2	1	1
$362316240_1 = \chi_{91}$	.	2	2	1	1
$504627200_1 = \chi_{94}$	1	2	2	1	3
$504627200_2 = \chi_{95}$	1	2	3	1	3
$526752072_1 = \chi_{96}$	2	2	2	2	3
$528377850_1 = \chi_{97}$	2	2	2	2	3
$559458900_1 = \chi_{98}$	1	2	2	2	4

φ_1	=	1_1
φ_2	=	253_1
φ_3	=	528_1
φ_4	=	2806_1
φ_5	=	4830_1
φ_6	=	13122_1
φ_7	=	13122_2
φ_8	=	20470_1
φ_9	=	27048_1
φ_{10}	=	79718_1
φ_{11}	=	86273_1
φ_{12}	=	134298_1
φ_{13}	=	253230_1
φ_{14}	=	362342_1
φ_{15}	=	538407_1
φ_{16}	=	725374_1
φ_{17}	=	725374_2
φ_{18}	=	818972_1
φ_{19}	=	818972_2
φ_{20}	=	1252120_1
φ_{21}	=	2317180_1
φ_{22}	=	2541706_1
φ_{23}	=	2587707_1
φ_{24}	=	4372622_1
φ_{25}	=	7116660_1
φ_{26}	=	7260778_1
φ_{27}	=	10241165_1
φ_{28}	=	14540255_1
φ_{29}	=	25951520_1
φ_{30}	=	27425385_1
φ_{31}	=	29713355_1
φ_{32}	=	34753159_1

Block 2:	φ_{33}	φ_{34}
$207793431_1 = \chi_{69}$	1	.
$289103904_1 = \chi_{82}$	.	1
$496897335_1 = \chi_{93}$	1	1

φ_{33}	=	207793431_1
φ_{34}	=	289103904_1