

$$Fi_{22}.2 \pmod{2}$$

	blocks	defect	matrix
2.G :	1	19	141×12
	2	2	4×1
	3	3	5×1
6.G :	4	18	84×11

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$	φ_{6+}	$\varphi_{8,0}$	$\varphi_{9,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	φ_{12+}
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	.	.	.
$78_1 = \chi_{2,0}$	.	1	.	.	.	.	.	.	.	.	.
$78_2 = \chi_{2,1}$	.	1	.	.	.	.	.	.	.	.	.
$429_1 = \chi_{3,0}$	1	1	1	.	.	.	.	.	.	.	.
$429_2 = \chi_{3,1}$	1	1	1	.	.	.	.	.	.	.	.
$1001_1 = \chi_{4,0}$	1	1	1	1	.	.	.	.	.	.	.
$1001_2 = \chi_{4,1}$	1	1	1	1	.	.	.	.	.	.	.
$1430_1 = \chi_{5,0}$	.	1	.	.	1	.	.	.	.	.	.
$1430_2 = \chi_{5,1}$	.	1	.	.	1	.	.	.	.	.	.
$3003_1 = \chi_{6,0}$	1	2	1	2	1	.	.	.	.	.	.
$3003_2 = \chi_{6,1}$	1	2	1	2	1	.	.	.	.	.	.
$3080_1 = \chi_{7,0}$	.	3	1	2	1	.	.	.	.	.	.
$3080_2 = \chi_{7,1}$	.	3	1	2	1	.	.	.	.	.	.
$10725_1 = \chi_{8,0}$	3	2	2	1	1	.	1	.	.	.	.
$10725_2 = \chi_{8,1}$	3	2	2	1	1	.	1	.	.	.	.
$13650_1 = \chi_{9,0}$	4	3	3	3	2	.	1	.	.	.	.
$13650_2 = \chi_{9,1}$	4	3	3	3	2	.	1	.	.	.	.
$30030_1 = \chi_{10,0}$	.	3	.	2	3	.	.	1	.	.	.
$30030_2 = \chi_{10,1}$	.	3	.	2	3	.	.	1	.	.	.
$32032_1 = \chi_{11,0}$	2	5	2	4	3	.	.	1	.	.	.
$32032_2 = \chi_{11,1}$	2	5	2	4	3	.	.	1	.	.	.
$43680_1 = \chi_{12,0}$	2	5	2	4	3	1	.	1	.	.	.
$43680_2 = \chi_{12,1}$	2	5	2	4	3	1	.	1	.	.	.
$45045_1 = \chi_{13,0}$	3	4	2	3	2	.	1	.	1	.	.
$45045_2 = \chi_{13,1}$	3	4	2	3	2	.	1	.	1	.	.
$48048_1 = \chi_{14,0}$	4	4	3	2	2	.	1	.	.	1	.
$48048_2 = \chi_{14,1}$	4	4	3	2	2	.	1	.	.	1	.
$50050_1 = \chi_{15,0}$	4	7	3	6	4	.	1	.	1	.	.
$50050_2 = \chi_{15,1}$	4	7	3	6	4	.	1	.	1	.	.
$50050_3 = \chi_{16,0}$	4	5	3	3	3	.	1	.	.	1	.
$50050_4 = \chi_{16,1}$	4	5	3	3	3	.	1	.	.	1	.
$75075_1 = \chi_{17,0}$	3	5	2	2	4	.	1	1	.	1	.
$75075_2 = \chi_{17,1}$	3	5	2	2	4	.	1	1	.	1	.
$75075_3 = \chi_{18,0}$	1	6	1	4	3	1	.	1	1	.	.
$75075_4 = \chi_{18,1}$	1	6	1	4	3	1	.	1	1	.	.
$75075_5 = \chi_{19,0}$	3	7	2	5	5	.	1	1	1	.	.
$75075_6 = \chi_{19,1}$	3	7	2	5	5	.	1	1	1	.	.
$81081_1 = \chi_{20,0}$	5	9	4	6	6	.	1	1	.	1	.
$81081_2 = \chi_{20,1}$	5	9	4	6	6	.	1	1	.	1	.

(Block 1:)	$\varphi_{14,0}$
$1_1 = \chi_{1,0}$	.
$1_2 = \chi_{1,1}$	.
$78_1 = \chi_{2,0}$	.
$78_2 = \chi_{2,1}$	.
$429_1 = \chi_{3,0}$	.
$429_2 = \chi_{3,1}$	.
$1001_1 = \chi_{4,0}$	.
$1001_2 = \chi_{4,1}$	.
$1430_1 = \chi_{5,0}$	.
$1430_2 = \chi_{5,1}$	.
$3003_1 = \chi_{6,0}$	.
$3003_2 = \chi_{6,1}$	.
$3080_1 = \chi_{7,0}$	.
$3080_2 = \chi_{7,1}$	.
$10725_1 = \chi_{8,0}$	.
$10725_2 = \chi_{8,1}$	.
$13650_1 = \chi_{9,0}$	.
$13650_2 = \chi_{9,1}$	.
$30030_1 = \chi_{10,0}$	.
$30030_2 = \chi_{10,1}$	.
$32032_1 = \chi_{11,0}$	.
$32032_2 = \chi_{11,1}$	.
$43680_1 = \chi_{12,0}$	.
$43680_2 = \chi_{12,1}$	.
$45045_1 = \chi_{13,0}$	.
$45045_2 = \chi_{13,1}$	.
$48048_1 = \chi_{14,0}$	.
$48048_2 = \chi_{14,1}$	.
$50050_1 = \chi_{15,0}$	.
$50050_2 = \chi_{15,1}$	.
$50050_3 = \chi_{16,0}$	.
$50050_4 = \chi_{16,1}$	.
$75075_1 = \chi_{17,0}$	.
$75075_2 = \chi_{17,1}$	.
$75075_3 = \chi_{18,0}$	.
$75075_4 = \chi_{18,1}$	.
$75075_5 = \chi_{19,0}$	.
$75075_6 = \chi_{19,1}$	.
$81081_1 = \chi_{20,0}$	.
$81081_2 = \chi_{20,1}$	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$	φ_{6+}	$\varphi_{8,0}$	$\varphi_{9,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	φ_{12+}
$114400_1 = \chi_{21,0}$	2	9	2	6	5	1	.	1	1	1	.
$114400_2 = \chi_{21,1}$	2	9	2	6	5	1	.	1	1	1	.
$277200_1 = \chi_{22+}$	4	12	2	10	6	2	.	2	2	.	1
$150150_1 = \chi_{24,0}$	4	11	3	6	7	1	1	2	1	1	.
$150150_2 = \chi_{24,1}$	4	11	3	6	7	1	1	2	1	1	.
$205920_1 = \chi_{25,0}$	4	7	2	4	5	.	1	1	.	.	.
$205920_2 = \chi_{25,1}$	4	7	2	4	5	.	1	1	.	.	.
$289575_1 = \chi_{26,0}$	7	14	5	10	7	1	1	1	1	2	1
$289575_2 = \chi_{26,1}$	7	14	5	10	7	1	1	1	1	2	1
$300300_1 = \chi_{27,0}$	2	12	1	6	9	1	.	3	.	1	.
$300300_2 = \chi_{27,1}$	2	12	1	6	9	1	.	3	.	1	.
$320320_1 = \chi_{28,0}$	6	16	4	10	10	1	1	2	1	1	.
$320320_2 = \chi_{28,1}$	6	16	4	10	10	1	1	2	1	1	.
$360855_1 = \chi_{29,0}$	9	20	6	15	12	2	1	3	1	2	1
$360855_2 = \chi_{29,1}$	9	20	6	15	12	2	1	3	1	2	1
$370656_1 = \chi_{30,0}$	12	23	9	16	13	1	2	2	1	3	1
$370656_2 = \chi_{30,1}$	12	23	9	16	13	1	2	2	1	3	1
$800800_1 = \chi_{31+}$	8	24	4	16	14	2	.	4	.	2	2
$800800_2 = \chi_{33+}$	20	44	14	28	24	4	4	6	4	4	2
$450450_1 = \chi_{35,0}$	8	17	5	11	10	1	1	2	.	2	1
$450450_2 = \chi_{35,1}$	8	17	5	11	10	1	1	2	.	2	1
$450450_3 = \chi_{36,0}$	14	29	10	20	16	2	3	3	3	2	1
$450450_4 = \chi_{36,1}$	14	29	10	20	16	2	3	3	3	2	1
$576576_1 = \chi_{37,0}$	16	30	11	20	18	1	3	3	1	3	1
$576576_2 = \chi_{37,1}$	16	30	11	20	18	1	3	3	1	3	1
$577368_1 = \chi_{38,0}$	12	27	8	16	15	2	3	3	2	2	1
$577368_2 = \chi_{38,1}$	12	27	8	16	15	2	3	3	2	2	1
$579150_1 = \chi_{39,0}$	16	29	11	19	18	1	3	3	.	4	1
$579150_2 = \chi_{39,1}$	16	29	11	19	18	1	3	3	.	4	1
$1164800_1 = \chi_{40+}$	32	60	22	40	36	3	6	6	2	6	2
$600600_1 = \chi_{42,0}$	10	27	7	16	15	3	1	4	1	3	1
$600600_2 = \chi_{42,1}$	10	27	7	16	15	3	1	4	1	3	1
$1201200_1 = \chi_{43+}$	24	56	16	34	34	4	4	8	2	6	2
$675675_1 = \chi_{45,0}$	17	29	11	21	16	1	3	2	1	3	2
$675675_2 = \chi_{45,1}$	17	29	11	21	16	1	3	2	1	3	2
$720720_1 = \chi_{46,0}$	16	38	11	24	22	3	3	5	3	3	1
$720720_2 = \chi_{46,1}$	16	38	11	24	22	3	3	5	3	3	1
$800800_3 = \chi_{47,0}$	24	39	16	26	23	1	5	3	1	5	2
$800800_4 = \chi_{47,1}$	24	39	16	26	23	1	5	3	1	5	2
$852930_1 = \chi_{48,0}$	18	41	12	26	23	3	3	5	2	4	2

(Block 1:)	$\varphi_{14,0}$
114400 ₁ = $\chi_{21,0}$	·
114400 ₂ = $\chi_{21,1}$	·
277200 ₁ = $\chi_{22,+}$	·
150150 ₁ = $\chi_{24,0}$	·
150150 ₂ = $\chi_{24,1}$	·
205920 ₁ = $\chi_{25,0}$	1
205920 ₂ = $\chi_{25,1}$	1
289575 ₁ = $\chi_{26,0}$	·
289575 ₂ = $\chi_{26,1}$	·
300300 ₁ = $\chi_{27,0}$	1
300300 ₂ = $\chi_{27,1}$	1
320320 ₁ = $\chi_{28,0}$	1
320320 ₂ = $\chi_{28,1}$	1
360855 ₁ = $\chi_{29,0}$	·
360855 ₂ = $\chi_{29,1}$	·
370656 ₁ = $\chi_{30,0}$	·
370656 ₂ = $\chi_{30,1}$	·
800800 ₁ = $\chi_{31,+}$	2
800800 ₂ = $\chi_{33,+}$	·
450450 ₁ = $\chi_{35,0}$	1
450450 ₂ = $\chi_{35,1}$	1
450450 ₃ = $\chi_{36,0}$	·
450450 ₄ = $\chi_{36,1}$	·
576576 ₁ = $\chi_{37,0}$	1
576576 ₂ = $\chi_{37,1}$	1
577368 ₁ = $\chi_{38,0}$	1
577368 ₂ = $\chi_{38,1}$	1
579150 ₁ = $\chi_{39,0}$	1
579150 ₂ = $\chi_{39,1}$	1
1164800 ₁ = $\chi_{40,+}$	2
600600 ₁ = $\chi_{42,0}$	1
600600 ₂ = $\chi_{42,1}$	1
1201200 ₁ = $\chi_{43,+}$	2
675675 ₁ = $\chi_{45,0}$	1
675675 ₂ = $\chi_{45,1}$	1
720720 ₁ = $\chi_{46,0}$	1
720720 ₂ = $\chi_{46,1}$	1
800800 ₃ = $\chi_{47,0}$	1
800800 ₄ = $\chi_{47,1}$	1
852930 ₁ = $\chi_{48,0}$	1

(Block 1:)	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$	φ_{6+}	$\varphi_{8,0}$	$\varphi_{9,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	φ_{12+}
852930 ₂ = $\chi_{48,1}$	18	41	12	26	23	3	3	5	2	4	2
938223 ₁ = $\chi_{49,0}$	17	36	11	23	21	2	2	4	.	5	2
938223 ₂ = $\chi_{49,1}$	17	36	11	23	21	2	2	4	.	5	2
972972 ₁ = $\chi_{50,0}$	16	38	10	24	22	3	2	5	1	4	2
972972 ₂ = $\chi_{50,1}$	16	38	10	24	22	3	2	5	1	4	2
1965600 ₁ = χ_{51+}	40	84	26	56	50	5	6	10	2	8	4
1201200 ₂ = $\chi_{53,0}$	26	52	17	36	29	3	4	5	2	5	3
1201200 ₃ = $\chi_{53,1}$	26	52	17	36	29	3	4	5	2	5	3
1360800 ₁ = $\chi_{54,0}$	32	64	22	40	36	3	6	6	2	8	3
1360800 ₂ = $\chi_{54,1}$	32	64	22	40	36	3	6	6	2	8	3
1372800 ₁ = $\chi_{55,0}$	26	62	17	40	35	5	4	8	4	5	3
1372800 ₂ = $\chi_{55,1}$	26	62	17	40	35	5	4	8	4	5	3
1791153 ₁ = $\chi_{57,0}$	35	77	23	49	44	5	5	9	2	9	4
1791153 ₂ = $\chi_{57,1}$	35	77	23	49	44	5	5	9	2	9	4
1876446 ₁ = $\chi_{58,0}$	38	83	25	54	48	6	6	10	3	9	4
1876446 ₂ = $\chi_{58,1}$	38	83	25	54	48	6	6	10	3	9	4
2027025 ₁ = $\chi_{59,0}$	37	85	24	54	50	6	5	11	2	9	4
2027025 ₂ = $\chi_{59,1}$	37	85	24	54	50	6	5	11	2	9	4
2050048 ₁ = $\chi_{60,0}$	34	74	21	46	42	6	4	9	.	10	5
2050048 ₂ = $\chi_{60,1}$	34	74	21	46	42	6	4	9	.	10	5
2316600 ₁ = $\chi_{61,0}$	44	99	29	64	57	7	6	12	3	11	5
2316600 ₂ = $\chi_{61,1}$	44	99	29	64	57	7	6	12	3	11	5
2402400 ₁ = $\chi_{62,0}$	42	95	27	60	55	7	5	12	1	11	5
2402400 ₂ = $\chi_{62,1}$	42	95	27	60	55	7	5	12	1	11	5
2729376 ₁ = $\chi_{65,0}$	52	113	34	72	65	7	7	13	2	14	6
2729376 ₂ = $\chi_{65,1}$	52	113	34	72	65	7	7	13	2	14	6
352 ₁ = $\chi_{66,0}$	2	.	1	.	.	.	.	.	.	.	.
352 ₂ = $\chi_{66,1}$	2	.	1	.	.	.	.	.	.	.	.
4160 ₁ = χ_{67+}	.	4	.	2	2	.	.	.	.	.	.
11648 ₁ = χ_{69+}	.	.	.	.	.	1	.	.	.	.	.
11648 ₂ = χ_{71+}	.	.	.	.	.	1	.	.	.	.	.
27456 ₁ = χ_{73+}	8	8	6	6	4	.	2	.	.	.	.
27456 ₂ = $\chi_{75,0}$	.	2	.	.	2	.	.	1	.	.	.
27456 ₃ = $\chi_{75,1}$	.	2	.	.	2	.	.	1	.	.	.
96096 ₁ = χ_{76+}	8	12	6	10	6	.	2	.	2	.	.
105600 ₁ = $\chi_{78,0}$	2	6	1	4	5	1	.	2	.	1	.
105600 ₂ = $\chi_{78,1}$	2	6	1	4	5	1	.	2	.	1	.
105600 ₃ = $\chi_{79,0}$	2	6	1	4	5	1	.	2	.	1	.
105600 ₄ = $\chi_{79,1}$	2	6	1	4	5	1	.	2	.	1	.
123200 ₁ = $\chi_{80,0}$	6	10	5	4	6	.	2	1	.	2	.

(Block 1:)	$\varphi_{14,0}$
$852930_2 = \chi_{48,1}$	1
$938223_1 = \chi_{49,0}$	2
$938223_2 = \chi_{49,1}$	2
$972972_1 = \chi_{50,0}$	2
$972972_2 = \chi_{50,1}$	2
$1965600_1 = \chi_{51+}$	4
$1201200_2 = \chi_{53,0}$	2
$1201200_3 = \chi_{53,1}$	2
$1360800_1 = \chi_{54,0}$	2
$1360800_2 = \chi_{54,1}$	2
$1372800_1 = \chi_{55,0}$	2
$1372800_2 = \chi_{55,1}$	2
$1791153_1 = \chi_{57,0}$	3
$1791153_2 = \chi_{57,1}$	3
$1876446_1 = \chi_{58,0}$	3
$1876446_2 = \chi_{58,1}$	3
$2027025_1 = \chi_{59,0}$	4
$2027025_2 = \chi_{59,1}$	4
$2050048_1 = \chi_{60,0}$	4
$2050048_2 = \chi_{60,1}$	4
$2316600_1 = \chi_{61,0}$	4
$2316600_2 = \chi_{61,1}$	4
$2402400_1 = \chi_{62,0}$	5
$2402400_2 = \chi_{62,1}$	5
$2729376_1 = \chi_{65,0}$	5
$2729376_2 = \chi_{65,1}$	5
$352_1 = \chi_{66,0}$	.
$352_2 = \chi_{66,1}$	.
$4160_1 = \chi_{67+}$	.
$11648_1 = \chi_{69+}$	.
$11648_2 = \chi_{71+}$	.
$27456_1 = \chi_{73+}$	.
$27456_2 = \chi_{75,0}$	.
$27456_3 = \chi_{75,1}$	.
$96096_1 = \chi_{76+}$	.
$105600_1 = \chi_{78,0}$	.
$105600_2 = \chi_{78,1}$	.
$105600_3 = \chi_{79,0}$	.
$105600_4 = \chi_{79,1}$	.
$123200_1 = \chi_{80,0}$	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$	φ_{6+}	$\varphi_{8,0}$	$\varphi_{9,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	φ_{12+}
$123200_2 = \chi_{80,1}$	6	10	5	4	6	.	2	1	.	2	.
$133056_1 = \chi_{81,0}$	4	4	2	6	2	.	.	.	.	.	1
$133056_2 = \chi_{81,1}$	4	4	2	6	2	.	.	.	.	.	1
$292864_1 = \chi_{82+}$	8	28	8	20	16	2	.	4	2	2	.
$228800_1 = \chi_{84,0}$	10	12	7	10	6	.	2	.	.	2	1
$228800_2 = \chi_{84,1}$	10	12	7	10	6	.	2	.	.	2	1
$471744_1 = \chi_{85+}$	4	16	2	10	12	2	.	4	.	.	.
$640640_1 = \chi_{87+}$	12	32	8	20	20	2	2	4	2	2	.
$800800_5 = \chi_{89+}$	20	48	14	34	26	4	4	6	6	2	2
$873600_1 = \chi_{91+}$	20	48	14	28	26	4	4	6	4	6	2
$960960_1 = \chi_{93+}$	16	40	10	26	26	2	2	6	.	4	2
$1372800_3 = \chi_{95+}$	32	72	22	44	42	6	6	10	4	6	2
$1830400_1 = \chi_{97+}$	52	96	36	64	56	4	10	8	4	12	4
$1029600_1 = \chi_{99,0}$	24	46	16	30	28	2	4	5	.	6	2
$1029600_2 = \chi_{99,1}$	24	46	16	30	28	2	4	5	.	6	2
$2402400_3 = \chi_{100+}$	52	100	34	66	56	6	8	10	2	12	6
$2594592_1 = \chi_{102+}$	44	108	28	70	60	10	6	14	6	10	6
$3326400_1 = \chi_{105+}$	72	148	48	96	86	8	12	16	4	16	7
$4392960_1 = \chi_{107+}$	76	176	50	112	100	14	8	22	2	22	10
$4717440_1 = \chi_{109+}$	80	180	50	112	104	12	10	22	2	22	10
$4804800_1 = \chi_{111+}$	100	216	66	140	126	14	16	26	8	22	10

(Block 1:)	$\varphi_{14,0}$	
$123200_2 = \chi_{80,1}$	.	
$133056_1 = \chi_{81,0}$	.	
$133056_2 = \chi_{81,1}$	.	
$292864_1 = \chi_{82+}$	.	
$228800_1 = \chi_{84,0}$	.	$\varphi_{1,0} = 1_1$
$228800_2 = \chi_{84,1}$	.	$\varphi_{2,0} = 78_1$
$471744_1 = \chi_{85+}$	2	$\varphi_{3,0} = 350_1$
$640640_1 = \chi_{87+}$	2	$\varphi_{4,0} = 572_1$
$800800_5 = \chi_{89+}$	.	$\varphi_{5,0} = 1352_1$
$873600_1 = \chi_{91+}$	.	$\varphi_{6+} = 11648_1$
$960960_1 = \chi_{93+}$	2	$\varphi_{8,0} = 7942_1$
$1372800_3 = \chi_{95+}$	2	$\varphi_{9,0} = 24596_1$
$1830400_1 = \chi_{97+}$	2	$\varphi_{10,0} = 31668_1$
$1029600_1 = \chi_{99,0}$	2	$\varphi_{11,0} = 34892_1$
$1029600_2 = \chi_{99,1}$	2	$\varphi_{12+} = 125904_1$
$2402400_3 = \chi_{100+}$	4	$\varphi_{14,0} = 163084_1$
$2594592_1 = \chi_{102+}$	4	
$3326400_1 = \chi_{105+}$	6	
$4392960_1 = \chi_{107+}$	8	
$4717440_1 = \chi_{109+}$	10	
$4804800_1 = \chi_{111+}$	8	

Block 2:	$\varphi_{15,0}$	
$1441792_1 = \chi_{56,0}$	1	
$1441792_2 = \chi_{56,1}$	1	$\varphi_{15,0} = 1441792_1$
$1441792_3 = \chi_{104,0}$	1	
$1441792_4 = \chi_{104,1}$	1	

Block 3:	$\varphi_{16,0}$	
$2555904_1 = \chi_{63,0}$	1	
$2555904_2 = \chi_{63,1}$	1	
$2555904_3 = \chi_{64,0}$	1	$\varphi_{16,0} = 2555904_1$
$2555904_4 = \chi_{64,1}$	1	
$5111808_1 = \chi_{113+}$	2	

Block 4:	φ_{17+}	φ_{18+}	φ_{19+}	φ_{20+}	φ_{21+}	φ_{22+}	φ_{23+}	φ_{24+}	φ_{25+}	φ_{26+}
$702_1 = \chi_{115+}$	1	1	.	.	.	.	.	.	.	.
$15444_1 = \chi_{116+}$	4	2	.	.	.	1	.	.	.	.
$24948_1 = \chi_{117+}$	5	2	.	.	1	1	.	.	.	.
$24948_2 = \chi_{118+}$	5	2	.	1	.	1	.	.	.	.
$38610_1 = \chi_{119+}$	7	3	1	1	1	1	.	.	.	.
$39312_1 = \chi_{120+}$	8	4	1	1	1	1	.	.	.	.
$54054_1 = \chi_{121+}$	5	2	.	1	1	.	1	.	.	.
$84240_1 = \chi_{122+}$	12	5	.	1	1	2	1	.	.	.
$103950_1 = \chi_{123+}$	15	6	.	2	2	2	1	.	.	.
$108108_1 = \chi_{124+}$	16	7	1	2	2	2	1	.	.	.
$122850_1 = \chi_{125+}$	19	8	1	2	2	3	1	.	.	.
$193050_1 = \chi_{126+}$	7	4	.	1	1	.	1	1	.	.
$247104_1 = \chi_{127+}$	18	9	1	2	2	2	1	1	.	.
$471744_2 = \chi_{128+}$	18	9	1	2	2	2	1	1	1	.
$475200_1 = \chi_{129+}$	18	9	2	2	2	2	1	1	1	.
$579150_3 = \chi_{130+}$	33	15	2	4	4	4	2	1	1	.
$721710_1 = \chi_{131+}$	49	21	3	7	7	5	4	.	.	1
$737100_1 = \chi_{132+}$	34	16	2	4	4	3	3	2	1	.
$737100_2 = \chi_{133+}$	52	23	3	7	7	6	4	.	.	1
$772200_1 = \chi_{134+}$	34	16	2	5	5	2	4	1	.	1
$810810_1 = \chi_{135+}$	41	19	3	6	6	3	4	1	.	1
$810810_2 = \chi_{136+}$	41	19	3	6	6	3	4	1	.	1
$864864_1 = \chi_{137+}$	46	21	3	7	7	3	5	1	.	1
$988416_1 = \chi_{138+}$	66	30	4	9	9	6	6	1	.	1
$1154736_1 = \chi_{139+}$	40	20	3	5	5	3	4	2	1	1
$1216512_1 = \chi_{140+}$	38	18	4	7	7	.	6	1	.	2
$1351350_1 = \chi_{141+}$	67	31	4	9	9	6	6	2	1	1
$1351350_2 = \chi_{142+}$	67	31	4	9	9	6	6	2	1	1
$1544400_1 = \chi_{143+}$	74	35	4	10	10	6	7	3	1	1
$1705860_1 = \chi_{144+}$	94	43	6	13	13	8	9	2	.	2
$1876446_3 = \chi_{145+}$	43	19	2	6	6	2	5	1	.	1
$1995840_1 = \chi_{146+}$	62	27	2	8	8	5	6	1	.	1
$2471040_1 = \chi_{147+}$	80	36	4	10	10	7	7	2	1	1
$2594592_2 = \chi_{148+}$	72	33	4	10	10	4	8	2	.	2
$2594592_3 = \chi_{149+}$	72	33	4	10	10	4	8	2	.	2
$2702700_1 = \chi_{150+}$	88	40	5	12	12	6	9	2	.	2
$2702700_2 = \chi_{151+}$	88	40	5	12	12	6	9	2	.	2
$2702700_3 = \chi_{152+}$	88	40	5	12	12	6	9	2	.	2
$2702700_4 = \chi_{153+}$	88	40	5	12	12	6	9	2	.	2
$3243240_1 = \chi_{154+}$	114	52	6	15	15	9	11	3	1	2

(Block 4:)	φ_{27+}
$702_1 = \chi_{115+}$	.
$15444_1 = \chi_{116+}$	.
$24948_1 = \chi_{117+}$	.
$24948_2 = \chi_{118+}$	.
$38610_1 = \chi_{119+}$	.
$39312_1 = \chi_{120+}$	.
$54054_1 = \chi_{121+}$	.
$84240_1 = \chi_{122+}$	.
$103950_1 = \chi_{123+}$	.
$108108_1 = \chi_{124+}$	.
$122850_1 = \chi_{125+}$	.
$193050_1 = \chi_{126+}$	.
$247104_1 = \chi_{127+}$	.
$471744_2 = \chi_{128+}$	.
$475200_1 = \chi_{129+}$	.
$579150_3 = \chi_{130+}$	.
$721710_1 = \chi_{131+}$	.
$737100_1 = \chi_{132+}$	.
$737100_2 = \chi_{133+}$	.
$772200_1 = \chi_{134+}$	.
$810810_1 = \chi_{135+}$	.
$810810_2 = \chi_{136+}$	.
$864864_1 = \chi_{137+}$	.
$988416_1 = \chi_{138+}$	.
$1154736_1 = \chi_{139+}$	.
$1216512_1 = \chi_{140+}$	.
$1351350_1 = \chi_{141+}$	.
$1351350_2 = \chi_{142+}$	.
$1544400_1 = \chi_{143+}$	.
$1705860_1 = \chi_{144+}$	.
$1876446_3 = \chi_{145+}$	1
$1995840_1 = \chi_{146+}$	1
$2471040_1 = \chi_{147+}$	1
$2594592_2 = \chi_{148+}$	1
$2594592_3 = \chi_{149+}$	1
$2702700_1 = \chi_{150+}$	1
$2702700_2 = \chi_{151+}$	1
$2702700_3 = \chi_{152+}$	1
$2702700_4 = \chi_{153+}$	1
$3243240_1 = \chi_{154+}$	1

(Block 4:)	φ_{17+}	φ_{18+}	φ_{19+}	φ_{20+}	φ_{21+}	φ_{22+}	φ_{23+}	φ_{24+}	φ_{25+}	φ_{26+}
$3316950_1 = \chi_{155+}$	121	55	7	17	17	9	12	2	.	3
$3316950_2 = \chi_{156+}$	103	48	6	14	14	6	11	4	1	2
$3459456_1 = \chi_{157+}$	118	54	7	17	17	7	13	3	.	3
$3582306_1 = \chi_{158+}$	137	62	8	19	19	10	14	3	.	3
$3706560_1 = \chi_{159+}$	136	63	8	19	19	9	14	4	.	3
$3752892_1 = \chi_{160+}$	132	60	8	18	18	10	13	3	1	3
$3931200_1 = \chi_{161+}$	136	63	8	19	19	9	14	4	1	3
$3931200_2 = \chi_{162+}$	136	63	8	19	19	9	14	4	1	3
$5458752_1 = \chi_{163+}$	180	81	10	25	25	12	19	4	.	4
$6177600_1 = \chi_{164+}$	210	96	12	29	29	14	22	5	.	5
$3456_1 = \chi_{165+}$	.	.	1	.	.	.	.	.	.	.
$3456_2 = \chi_{166+}$	.	.	1	.	.	.	.	.	.	.
$123552_1 = \chi_{167+}$	20	9	1	2	2	3	1	.	.	.
$123552_2 = \chi_{168+}$	20	9	1	2	2	3	1	.	.	.
$142560_1 = \chi_{169+}$	22	9	1	3	3	3	1	.	.	.
$142560_2 = \chi_{170+}$	22	9	1	3	3	3	1	.	.	.
$224640_1 = \chi_{171+}$	.	.	.	.	.	.	.	.	1	.
$224640_2 = \chi_{172+}$	.	.	.	.	.	.	.	.	1	.
$247104_2 = \chi_{173+}$	12	6	.	2	2	.	2	1	.	.
$617760_1 = \chi_{174+}$	34	15	3	5	5	3	3	.	.	1
$617760_2 = \chi_{175+}$	34	15	3	5	5	3	3	.	.	1
$628992_1 = \chi_{176+}$	18	9	1	2	2	1	2	2	1	.
$628992_2 = \chi_{177+}$	36	16	2	5	5	4	3	.	.	1
$628992_3 = \chi_{178+}$	18	9	1	2	2	1	2	2	1	.
$628992_4 = \chi_{179+}$	36	16	2	5	5	4	3	.	.	1
$718848_1 = \chi_{180+}$	36	18	2	4	4	4	2	2	1	.
$718848_2 = \chi_{181+}$	36	18	2	4	4	4	2	2	1	.
$864864_2 = \chi_{182+}$	46	21	3	7	7	3	5	1	.	1
$864864_3 = \chi_{183+}$	46	21	3	7	7	3	5	1	.	1
$1935360_1 = \chi_{184+}$	74	36	6	11	11	4	8	3	1	2
$1935360_2 = \chi_{185+}$	74	36	6	11	11	4	8	3	1	2
$2246400_1 = \chi_{186+}$	120	55	7	16	16	11	11	3	1	2
$2246400_2 = \chi_{187+}$	120	55	7	16	16	11	11	3	1	2
$2471040_2 = \chi_{188+}$	80	36	4	10	10	7	7	2	1	1
$2471040_3 = \chi_{189+}$	80	36	4	10	10	7	7	2	1	1
$3459456_2 = \chi_{190+}$	118	54	7	17	17	7	13	3	.	3
$3459456_3 = \chi_{191+}$	118	54	7	17	17	7	13	3	.	3
$3592512_1 = \chi_{192+}$	139	63	8	19	20	10	14	3	.	3
$3592512_2 = \chi_{193+}$	139	63	8	20	19	10	14	3	.	3
$5189184_1 = \chi_{194+}$	144	66	8	20	20	8	16	4	.	4

(Block 4:)	φ_{27+}
3316950 ₁ = χ_{155+}	1
3316950 ₂ = χ_{156+}	1
3459456 ₁ = χ_{157+}	1
3582306 ₁ = χ_{158+}	1
3706560 ₁ = χ_{159+}	1
3752892 ₁ = χ_{160+}	1
3931200 ₁ = χ_{161+}	1
3931200 ₂ = χ_{162+}	1
5458752 ₁ = χ_{163+}	2
6177600 ₁ = χ_{164+}	2
3456 ₁ = χ_{165+}	.
3456 ₂ = χ_{166+}	.
123552 ₁ = χ_{167+}	.
123552 ₂ = χ_{168+}	.
142560 ₁ = χ_{169+}	.
142560 ₂ = χ_{170+}	.
224640 ₁ = χ_{171+}	.
224640 ₂ = χ_{172+}	.
247104 ₂ = χ_{173+}	.
617760 ₁ = χ_{174+}	.
617760 ₂ = χ_{175+}	.
628992 ₁ = χ_{176+}	.
628992 ₂ = χ_{177+}	.
628992 ₃ = χ_{178+}	.
628992 ₄ = χ_{179+}	.
718848 ₁ = χ_{180+}	.
718848 ₂ = χ_{181+}	.
864864 ₂ = χ_{182+}	.
864864 ₃ = χ_{183+}	.
1935360 ₁ = χ_{184+}	.
1935360 ₂ = χ_{185+}	.
2246400 ₁ = χ_{186+}	.
2246400 ₂ = χ_{187+}	.
2471040 ₂ = χ_{188+}	1
2471040 ₃ = χ_{189+}	1
3459456 ₂ = χ_{190+}	1
3459456 ₃ = χ_{191+}	1
3592512 ₁ = χ_{192+}	1
3592512 ₂ = χ_{193+}	1
5189184 ₁ = χ_{194+}	2

(Block 4:)	φ_{17+}	φ_{18+}	φ_{19+}	φ_{20+}	φ_{21+}	φ_{22+}	φ_{23+}	φ_{24+}	φ_{25+}	φ_{26+}
$5930496_1 = \chi_{195+}$	198	90	11	27	27	14	20	5	1	4
$5930496_2 = \chi_{196+}$	198	90	11	27	27	14	20	5	1	4
$6177600_2 = \chi_{197+}$	210	96	12	29	29	14	22	5	.	5
$6177600_3 = \chi_{198+}$	210	96	12	29	29	14	22	5	.	5

	φ_{17+}	=	54_1
	φ_{18+}	=	648_1
	φ_{19+}	=	3456_1
	φ_{20+}	=	9450_1
	φ_{21+}	=	9450_2
	φ_{22+}	=	13932_1
	φ_{23+}	=	33588_1
	φ_{24+}	=	137592_1
	φ_{25+}	=	224640_1
	φ_{26+}	=	358776_1
	φ_{27+}	=	1049328_1

(Block 4:)	φ_{27+}
$5930496_1 = \chi_{195+}$	2
$5930496_2 = \chi_{196+}$	2
$6177600_2 = \chi_{197+}$	2
$6177600_3 = \chi_{198+}$	2