

$B \pmod{23}$

	blocks	defect	matrix
$G :$	1	1	13×11
	2	1	13×11
	3	0	$96255_1 = \chi_3, \varphi_3$
	4	0	$1139374_1 = \chi_4, \varphi_4$
	5	0	$9458750_1 = \chi_5, \varphi_5$
	6	0	$9550635_1 = \chi_6, \varphi_6$
	7	0	$347643114_1 = \chi_8, \varphi_8$
	8	0	$356054375_1 = \chi_9, \varphi_9$
	9	0	$1407126890_1 = \chi_{10}, \varphi_{10}$
	10	0	$3214743741_1 = \chi_{11}, \varphi_{11}$
	11	0	$4221380670_1 = \chi_{12}, \varphi_{12}$
	12	0	$4622913750_1 = \chi_{14}, \varphi_{14}$
	13	0	$9287037474_1 = \chi_{15}, \varphi_{15}$
	14	0	$12501781215_1 = \chi_{16}, \varphi_{16}$
	15	0	$13508418144_1 = \chi_{17}, \varphi_{17}$
	16	0	$27416186875_1 = \chi_{18}, \varphi_{18}$
	17	0	$75844139371_1 = \chi_{19}, \varphi_{19}$
	18	0	$80426400000_1 = \chi_{20}, \varphi_{20}$
	19	0	$90807234375_1 = \chi_{21}, \varphi_{22}$
	$20 = \overline{19}$	0	$90807234375_2 = \chi_{22}, \varphi_{21}$
	21	0	$108348770530_1 = \chi_{23}, \varphi_{23}$
	22	0	$156871952640_1 = \chi_{24}, \varphi_{24}$
	23	0	$536105794455_1 = \chi_{28}, \varphi_{27}$
	24	0	$551549171250_1 = \chi_{29}, \varphi_{28}$
	25	0	$641238778125_1 = \chi_{31}, \varphi_{30}$
	26	0	$1095935366250_1 = \chi_{32}, \varphi_{31}$
	27	0	$1917448516791_1 = \chi_{33}, \varphi_{32}$
	28	0	$2624476798125_1 = \chi_{34}, \varphi_{33}$
	29	0	$4097337118875_1 = \chi_{35}, \varphi_{35}$
	$30 = \overline{29}$	0	$4097337118875_2 = \chi_{36}, \varphi_{34}$
	31	0	$4375623425250_1 = \chi_{37}, \varphi_{36}$
	32	0	$4836998684375_1 = \chi_{38}, \varphi_{37}$
	33	0	$6143375289051_1 = \chi_{39}, \varphi_{38}$
	34	0	$6145833622500_1 = \chi_{40}, \varphi_{39}$
	35	0	$6619124890560_1 = \chi_{41}, \varphi_{40}$
	36	0	$6697382793750_1 = \chi_{42}, \varphi_{41}$
	37	0	$7331420799495_1 = \chi_{43}, \varphi_{42}$
	38	0	$8165038927500_1 = \chi_{44}, \varphi_{43}$
	39	0	$8379477898506_1 = \chi_{45}, \varphi_{45}$
	$40 = \overline{39}$	0	$8379477898506_2 = \chi_{46}, \varphi_{44}$

	blocks	defect	matrix
	41	0	9958526703125 ₁ = χ_{47}, φ_{46}
	42	0	10238958815085 ₁ = χ_{48}, φ_{48}
	43	0	10238958815085 ₂ = χ_{49}, φ_{47}
	44	0	10529575087500 ₁ = χ_{50}, φ_{49}
	45	0	12927978301875 ₁ = χ_{54}, φ_{52}
	46	0	17413195263750 ₁ = χ_{55}, φ_{53}
	47	0	19246163186250 ₁ = χ_{56}, φ_{54}
	48	0	19946023665750 ₁ = χ_{57}, φ_{55}
	49	0	21346507000000 ₁ = χ_{58}, φ_{57}
	50 = $\overline{49}$	0	21346507000000 ₂ = χ_{59}, φ_{56}
	51	0	22348485900000 ₁ = χ_{60}, φ_{58}
	52	0	24573501156204 ₁ = χ_{61}, φ_{59}
	53	0	35301999416320 ₁ = χ_{62}, φ_{60}
	54	0	38348970335820 ₁ = χ_{63}, φ_{61}
	55	0	38658236225625 ₁ = χ_{64}, φ_{62}
	56	0	40955835260340 ₁ = χ_{65}, φ_{63}
	57	0	78359378686875 ₁ = χ_{67}, φ_{65}
	58	0	89626740328125 ₁ = χ_{68}, φ_{66}
	59	0	94981065075000 ₁ = χ_{69}, φ_{67}
	60	0	118479380574555 ₁ = χ_{70}, φ_{68}
	61	0	119483690332160 ₁ = χ_{71}, φ_{69}
	62	0	123485536419840 ₁ = χ_{72}, φ_{70}
	63	0	140763279350304 ₁ = χ_{73}, φ_{71}
	64	0	162746401888125 ₁ = χ_{74}, φ_{72}
	65	0	181844090400000 ₁ = χ_{75}, φ_{73}
	66	0	210919336847010 ₁ = χ_{76}, φ_{74}
	67	0	211069033500000 ₁ = χ_{77}, φ_{75}
	68	0	226187908369605 ₁ = χ_{78}, φ_{77}
	69	0	284415522641250 ₁ = χ_{80}, φ_{79}
	70	0	284415522641250 ₂ = χ_{81}, φ_{78}
	71	0	349055414150625 ₁ = χ_{82}, φ_{80}
	72	0	364635285437500 ₁ = χ_{83}, φ_{81}
	73	0	386959894750000 ₁ = χ_{84}, φ_{82}
	74	0	422966584586250 ₁ = χ_{85}, φ_{83}
	75	0	563729863936554 ₁ = χ_{86}, φ_{84}
	76	0	581759023584375 ₁ = χ_{87}, φ_{85}
	77	0	646398915093750 ₁ = χ_{89}, φ_{87}
	78	0	652994822390625 ₁ = χ_{90}, φ_{88}
	79	0	662947625486250 ₁ = χ_{91}, φ_{89}
	80	0	665029816320000 ₁ = χ_{92}, φ_{90}

	blocks	defect	matrix
	81	0	$665029816320000_2 = \chi_{93}, \varphi_{91}$
	82	0	$677025031854600_1 = \chi_{94}, \varphi_{92}$
	83	0	$714865488180480_1 = \chi_{95}, \varphi_{95}$
	84	0	$775438738408125_1 = \chi_{97}, \varphi_{96}$
	85	0	$820429392234375_1 = \chi_{99}, \varphi_{98}$
	86	0	$835517991997440_1 = \chi_{100}, \varphi_{99}$
	87	0	$844994666880000_1 = \chi_{101}, \varphi_{100}$
	88	0	$968283412561920_1 = \chi_{102}, \varphi_{102}$
	89	0	$1042755084800000_1 = \chi_{103}, \varphi_{103}$
	90	0	$1093905856312500_1 = \chi_{104}, \varphi_{104}$
	91	0	$1198405322994375_1 = \chi_{105}, \varphi_{105}$
	92	0	$1370975689505565_1 = \chi_{106}, \varphi_{106}$
	93	0	$1370975689505565_2 = \chi_{107}, \varphi_{107}$
	94	0	$1523654585578125_1 = \chi_{110}, \varphi_{108}$
	95	0	$1679281227336960_1 = \chi_{111}, \varphi_{109}$
	96	0	$1711786747207680_1 = \chi_{112}, \varphi_{111}$
	97	0	$1807462370115584_1 = \chi_{113}, \varphi_{113}$
	98	0	$1928549534519790_1 = \chi_{114}, \varphi_{114}$
	99	0	$2123804897280000_1 = \chi_{115}, \varphi_{115}$
	100	0	$2437847336925000_1 = \chi_{116}, \varphi_{116}$
	101	0	$2611979289562500_1 = \chi_{118}, \varphi_{117}$
	102	0	$2642676197359616_1 = \chi_{119}, \varphi_{118}$
	103	0	$2730389017356000_1 = \chi_{120}, \varphi_{119}$
	104	0	$2788834713600000_1 = \chi_{121}, \varphi_{120}$
	105	0	$2908795117921875_1 = \chi_{122}, \varphi_{121}$
	106	0	$2952870715858140_1 = \chi_{123}, \varphi_{122}$
	107	0	$2991219686193960_1 = \chi_{124}, \varphi_{123}$
	108	0	$3068619025500000_1 = \chi_{125}, \varphi_{124}$
	109	0	$3469068040246875_1 = \chi_{126}, \varphi_{126}$
	110	0	$3555194033015625_1 = \chi_{127}, \varphi_{128}$
	111	0	$3555194033015625_2 = \chi_{128}, \varphi_{129}$
	112	0	$3669877711500000_1 = \chi_{129}, \varphi_{131}$
	113	0	$3839609555656875_1 = \chi_{130}, \varphi_{132}$
	114	0	$4068660047203125_1 = \chi_{131}, \varphi_{133}$
	115	0	$4095583526034000_1 = \chi_{132}, \varphi_{134}$
	116	0	$4193877530658816_1 = \chi_{133}, \varphi_{136}$
	117	0	$4231406449091250_1 = \chi_{134}, \varphi_{138}$
	118	0	$4231406449091250_2 = \chi_{135}, \varphi_{137}$
	119	0	$4570963756734375_1 = \chi_{139}, \varphi_{139}$
	120	0	$4619851069640625_1 = \chi_{140}, \varphi_{140}$

	blocks	defect	matrix
	121	0	4643518737000000 ₁ = $\chi_{141}, \varphi_{141}$
	122	0	4740258710687500 ₁ = $\chi_{142}, \varphi_{143}$
	123	0	4740258710687500 ₂ = $\chi_{143}, \varphi_{142}$
	124	0	4919769220713750 ₁ = $\chi_{144}, \varphi_{144}$
	125	0	5223958579125000 ₁ = $\chi_{146}, \varphi_{145}$
	126	0	5485156508081250 ₁ = $\chi_{149}, \varphi_{146}$
	127	0	5992026614971875 ₁ = $\chi_{150}, \varphi_{147}$
	128	0	6414993199558125 ₁ = $\chi_{151}, \varphi_{148}$
	129	0	6692129944500000 ₁ = $\chi_{152}, \varphi_{149}$
	130	0	6934321313920000 ₁ = $\chi_{153}, \varphi_{150}$
	131	0	6979512601119240 ₁ = $\chi_{154}, \varphi_{151}$
	132	0	7679219111313750 ₁ = $\chi_{156}, \varphi_{152}$
	133	0	7698465274500000 ₁ = $\chi_{157}, \varphi_{153}$
	134	0	7744013981383680 ₁ = $\chi_{158}, \varphi_{154}$
	135	0	7853379563452500 ₁ = $\chi_{159}, \varphi_{155}$
	136	0	7863520369985280 ₁ = $\chi_{160}, \varphi_{156}$
	137	0	8351460096890625 ₁ = $\chi_{161}, \varphi_{157}$
	138	0	8388837260960625 ₁ = $\chi_{162}, \varphi_{158}$
	139	0	8602825703915520 ₁ = $\chi_{163}, \varphi_{159}$
	140	0	8774244412835616 ₁ = $\chi_{164}, \varphi_{160}$
	141	0	9211433539600384 ₁ = $\chi_{165}, \varphi_{162}$
	142	0	9211433539600384 ₂ = $\chi_{166}, \varphi_{161}$
	143	0	9558000449712000 ₁ = $\chi_{167}, \varphi_{163}$
	144	0	9569488431021750 ₁ = $\chi_{168}, \varphi_{164}$
	145	0	9573585768140625 ₁ = $\chi_{169}, \varphi_{166}$
	146	0	9573585768140625 ₂ = $\chi_{170}, \varphi_{165}$
	147	0	9596829826538955 ₁ = $\chi_{171}, \varphi_{167}$
	148	0	9845152706812500 ₁ = $\chi_{172}, \varphi_{168}$
	149	0	10134024677130240 ₁ = $\chi_{173}, \varphi_{169}$
	150	0	10161349228100070 ₁ = $\chi_{174}, \varphi_{170}$
	151	0	11381560819200000 ₁ = $\chi_{175}, \varphi_{171}$
	152	0	11854109736960000 ₁ = $\chi_{176}, \varphi_{173}$
	153	0	11854109736960000 ₂ = $\chi_{177}, \varphi_{172}$
	154	0	12424315904000000 ₁ = $\chi_{178}, \varphi_{175}$
	155	0	12424315904000000 ₂ = $\chi_{179}, \varphi_{174}$
	156	0	13046344927150080 ₁ = $\chi_{180}, \varphi_{176}$
	157	0	13940902029600000 ₁ = $\chi_{181}, \varphi_{177}$
	158	0	14014628339712000 ₁ = $\chi_{182}, \varphi_{178}$
	159	0	14220776132062500 ₁ = $\chi_{183}, \varphi_{179}$
	160	0	16547812226400000 ₁ = $\chi_{184}, \varphi_{180}$

	blocks	defect	matrix
2.G :	161	1	13×11
	162	1	13×11
	163	0	$100406462464_1 = \chi_{192}, \varphi_{188}$
	164	0	$772566552576_1 = \chi_{193}, \varphi_{189}$
	165	0	$864538761216_1 = \chi_{194}, \varphi_{190}$
	166	0	$4322693806080_1 = \chi_{195}, \varphi_{191}$
	167	0	$17069098618880_1 = \chi_{197}, \varphi_{193}$
	168	0	$21400636907520_1 = \chi_{198}, \varphi_{194}$
	169	0	$31123395403776_1 = \chi_{201}, \varphi_{197}$
	170	0	$40345142190080_1 = \chi_{202}, \varphi_{198}$
	171	0	$60863961600000_1 = \chi_{204}, \varphi_{200}$
	172	0	$77683916800000_1 = \chi_{205}, \varphi_{202}$
	$173 = \overline{172}$	0	$77683916800000_2 = \chi_{206}, \varphi_{201}$
	174	0	$93980448866304_1 = \chi_{207}, \varphi_{203}$
	175	0	$110949141022720_1 = \chi_{208}, \varphi_{204}$
	176	0	$138547878400000_1 = \chi_{209}, \varphi_{205}$
	177	0	$312199319900160_1 = \chi_{216}, \varphi_{211}$
	178	0	$791851002292224_1 = \chi_{219}, \varphi_{215}$
	179	0	$1793872427483136_1 = \chi_{222}, \varphi_{217}$
	180	0	$2642676197359616_2 = \chi_{223}, \varphi_{219}$
	$181 = \overline{180}$	0	$2642676197359616_3 = \chi_{224}, \varphi_{218}$
	182	0	$2995626807613440_1 = \chi_{225}, \varphi_{220}$
	183	0	$3370903132962816_1 = \chi_{226}, \varphi_{221}$
	184	0	$3824419701473280_1 = \chi_{227}, \varphi_{224}$
	185	0	$4193877530658816_2 = \chi_{228}, \varphi_{225}$
	186	0	$4215392896000000_1 = \chi_{229}, \varphi_{227}$
	$187 = \overline{186}$	0	$4215392896000000_2 = \chi_{230}, \varphi_{226}$
	188	0	$5191647233310720_1 = \chi_{235}, \varphi_{229}$
	$189 = \overline{188}$	0	$5191647233310720_2 = \chi_{236}, \varphi_{228}$
	190	0	$8580585368070144_1 = \chi_{238}, \varphi_{231}$
	$191 = \overline{190}$	0	$8580585368070144_2 = \chi_{239}, \varphi_{230}$
	192	0	$8740741152000000_1 = \chi_{240}, \varphi_{232}$
	193	0	$12604975138529280_1 = \chi_{241}, \varphi_{233}$
	194	0	$16972115104000000_1 = \chi_{242}, \varphi_{234}$
195	0	$21065543276560384_1 = \chi_{243}, \varphi_{235}$	
196	0	$24089453696000000_1 = \chi_{244}, \varphi_{236}$	
197	0	$24515659148820480_1 = \chi_{245}, \varphi_{237}$	
198	0	$26438944243712000_1 = \chi_{246}, \varphi_{238}$	
199	0	$29823129106907136_1 = \chi_{247}, \varphi_{239}$	

Block 1:	φ_1	φ_{13}	φ_{25}	φ_{29}	φ_{64}	φ_{76}	φ_{97}	φ_{112}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.
$4275362520_1 = \chi_{13}$	1	1	.	.	.	.	.	.
$252984703125_1 = \chi_{25}$.	.	1	.	.	.	.	.
$252984703125_2 = \chi_{26}$.	.	1	.	.	.	.	.
$635966233056_1 = \chi_{30}$.	1	.	1	.	.	.	.
$47097393520320_1 = \chi_{66}$.	.	1	.	1	.	.	.
$260522896303125_1 = \chi_{79}$	1	1	.	.
$809403858900000_1 = \chi_{98}$.	.	.	1	.	.	1	.
$4331775591000000_1 = \chi_{137}$	1	.
$4331775591000000_2 = \chi_{138}$	1	.	.
$5191701169700864_1 = \chi_{145}$	1
$5257393731060471_2 = \chi_{148}$	1
$7575407965125000_1 = \chi_{155}$

(Block 1:)	φ_{125}	φ_{127}	φ_{135}	
$1_1 = \chi_1$.	.	.	$\varphi_1 = 1_1$
$4275362520_1 = \chi_{13}$.	.	.	$\varphi_{13} = 4275362519_1$
$252984703125_1 = \chi_{25}$.	.	.	$\varphi_{25} = 252984703125_1$
$252984703125_2 = \chi_{26}$.	.	.	$\varphi_{29} = 631690870537_1$
$635966233056_1 = \chi_{30}$.	.	.	$\varphi_{64} = 46844408817195_1$
$47097393520320_1 = \chi_{66}$.	.	.	$\varphi_{76} = 213678487485930_1$
$260522896303125_1 = \chi_{79}$.	.	.	$\varphi_{97} = 808772168029463_1$
$809403858900000_1 = \chi_{98}$.	.	.	$\varphi_{112} = 1734390308089934_1$
$4331775591000000_1 = \chi_{137}$.	1	.	$\varphi_{125} = 3457310861610930_1$
$4331775591000000_2 = \chi_{138}$.	.	1	$\varphi_{127} = 3523003422970537_1$
$5191701169700864_1 = \chi_{145}$	1	.	.	$\varphi_{135} = 4118097103514070_1$
$5257393731060471_2 = \chi_{148}$.	1	.	
$7575407965125000_1 = \chi_{155}$	1	.	1	

Block 2:	φ_2	φ_7	φ_{26}	φ_{50}	φ_{51}	φ_{86}	φ_{93}	φ_{94}	φ_{101}
$4371_1 = \chi_2$	1	.	.	.	.	.	.	.	.
$63532485_1 = \chi_7$	1	1	.	.	.	.	.	.	.
$309720864375_1 = \chi_{27}$.	1	1	.	.	.	.	.	.
$10853720317440_1 = \chi_{51}$.	.	1	1	.	.	.	.	.
$11890281046875_1 = \chi_{52}$	1	.	.	.	.
$11890281046875_2 = \chi_{53}$	1	.	.	.	.
$595404085985280_1 = \chi_{88}$	1	1	.	.	.
$718889622405120_1 = \chi_{96}$.	.	.	1	.	.	.	1	.
$1391162882484375_1 = \chi_{108}$	1	1	.
$1458928219297500_1 = \chi_{109}$	1	.	.	1
$2565217512000000_1 = \chi_{117}$	1
$4250407956480000_1 = \chi_{136}$	1	.	.
$5257393731060471_1 = \chi_{147}$

(Block 2:)	φ_{110}	φ_{130}	
$4371_1 = \chi_2$.	.	$\varphi_2 = 4371_1$
$63532485_1 = \chi_7$.	.	$\varphi_7 = 63528114_1$
$309720864375_1 = \chi_{27}$.	.	$\varphi_{26} = 309657336261_1$
$10853720317440_1 = \chi_{51}$.	.	$\varphi_{50} = 10544062981179_1$
$11890281046875_1 = \chi_{52}$.	.	$\varphi_{51} = 11890281046875_1$
$11890281046875_2 = \chi_{53}$.	.	$\varphi_{86} = 583513804938405_1$
$595404085985280_1 = \chi_{88}$.	.	$\varphi_{93} = 682817323060434_1$
$718889622405120_1 = \chi_{96}$.	.	$\varphi_{94} = 708345559423941_1$
$1391162882484375_1 = \chi_{108}$.	.	$\varphi_{101} = 875414414359095_1$
$1458928219297500_1 = \chi_{109}$.	.	$\varphi_{110} = 1689803097640905_1$
$2565217512000000_1 = \chi_{117}$	1	.	$\varphi_{130} = 3567590633419566_1$
$4250407956480000_1 = \chi_{136}$.	1	
$5257393731060471_1 = \chi_{147}$	1	1	

Block 161:	φ_{181}	φ_{183}	φ_{185}	φ_{186}	φ_{187}	φ_{199}	φ_{210}
$96256_1 = \chi_{185}$	1	.	.	.	.	.	.
$410132480_1 = \chi_{187}$	1	1	.	.	.	.	.
$36657653760_1 = \chi_{189}$.	1	1	.	.	.	.
$53936390144_1 = \chi_{190}$	1	.	.
$53936390144_2 = \chi_{191}$.	.	.	1	.	.	.
$60780833777664_1 = \chi_{203}$.	.	1	.	.	1	.
$261841888000000_1 = \chi_{214}$	1
$261841888000000_2 = \chi_{215}$	1
$447224633856000_1 = \chi_{217}$
$447224633856000_2 = \chi_{218}$
$828829551513600_1 = \chi_{220}$	1	.
$4250243698421760_1 = \chi_{231}$.	.	.	1	1	.	.
$4638342016000000_1 = \chi_{234}$	1

(Block 161:)	φ_{212}	φ_{213}	φ_{214}	φ_{222}
$96256_1 = \chi_{185}$
$410132480_1 = \chi_{187}$
$36657653760_1 = \chi_{189}$
$53936390144_1 = \chi_{190}$
$53936390144_2 = \chi_{191}$
$60780833777664_1 = \chi_{203}$
$261841888000000_1 = \chi_{214}$
$261841888000000_2 = \chi_{215}$
$447224633856000_1 = \chi_{217}$.	1	.	.
$447224633856000_2 = \chi_{218}$	1	.	.	.
$828829551513600_1 = \chi_{220}$.	.	1	.
$4250243698421760_1 = \chi_{231}$.	.	1	1
$4638342016000000_1 = \chi_{234}$	1	1	.	1

$$\begin{aligned}
\varphi_{181} &= 96256_1 \\
\varphi_{183} &= 410036224_1 \\
\varphi_{185} &= 36247617536_1 \\
\varphi_{186} &= 53936390144_1 \\
\varphi_{187} &= 53936390144_2 \\
\varphi_{199} &= 60744586160128_1
\end{aligned}$$

$$\begin{aligned}
\varphi_{210} &= 261841888000000_1 \\
\varphi_{212} &= 447224633856000_1 \\
\varphi_{213} &= 447224633856000_2 \\
\varphi_{214} &= 768084965353472_1 \\
\varphi_{222} &= 3482050860288000_1
\end{aligned}$$

Block 162:	φ_{182}	φ_{184}	φ_{192}	φ_{195}	φ_{196}	φ_{206}	φ_{207}
$10506240_1 = \chi_{186}$	1	.	.	.	.	.	.
$8844386304_1 = \chi_{188}$	1	1	.	.	.	.	.
$10177847623680_1 = \chi_{196}$.	1	1	.	.	.	.
$23459577856000_1 = \chi_{199}$	1	.	.
$23459577856000_2 = \chi_{200}$.	.	.	1	.	.	.
$168430710030336_1 = \chi_{210}$	1
$168430710030336_2 = \chi_{211}$	1	.
$235755961319424_1 = \chi_{212}$
$235755961319424_2 = \chi_{213}$
$1566852857856000_1 = \chi_{221}$.	.	1	.	.	.	.
$4490309824000000_1 = \chi_{232}$.	.	.	1	1	1	1
$4490309824000000_2 = \chi_{233}$.	.	.	1	1	1	1
$5191701169700864_2 = \chi_{237}$

(Block 162:)	φ_{208}	φ_{209}	φ_{216}	φ_{223}
$10506240_1 = \chi_{186}$	.	.	.	.
$8844386304_1 = \chi_{188}$	.	.	.	.
$10177847623680_1 = \chi_{196}$	.	.	.	.
$23459577856000_1 = \chi_{199}$	.	.	.	.
$23459577856000_2 = \chi_{200}$	.	.	.	.
$168430710030336_1 = \chi_{210}$	.	.	.	.
$168430710030336_2 = \chi_{211}$	.	.	.	.
$235755961319424_1 = \chi_{212}$	.	1	.	.
$235755961319424_2 = \chi_{213}$	1	.	.	.
$1566852857856000_1 = \chi_{221}$	.	.	1	.
$4490309824000000_1 = \chi_{232}$	1	1	.	1
$4490309824000000_2 = \chi_{233}$	1	1	.	1
$5191701169700864_2 = \chi_{237}$	.	.	1	1

$\varphi_{182} = 10506240_1$
 $\varphi_{184} = 8833880064_1$
 $\varphi_{192} = 10169013743616_1$
 $\varphi_{195} = 23459577856000_1$
 $\varphi_{196} = 23459577856000_2$
 $\varphi_{206} = 168430710030336_1$

$\varphi_{207} = 168430710030336_2$
 $\varphi_{208} = 235755961319424_1$
 $\varphi_{209} = 235755961319424_2$
 $\varphi_{216} = 1556683844112384_1$
 $\varphi_{223} = 3635017325588480_1$