

$$M \pmod{23}$$

	blocks	defect	matrix
$G :$	1	1	13×11
	2	1	13×11
	3	1	13×11
	4	1	13×11
	5	0	$18538750076_1 = \chi_5, \varphi_5$
	6	0	$19360062527_1 = \chi_6, \varphi_6$
	7	1	13×11
	8	0	$3879214937598_1 = \chi_8, \varphi_8$
	9	0	$190292345709543_1 = \chi_{11}, \varphi_{11}$
	10	0	$222879856734249_1 = \chi_{12}, \varphi_{12}$
	11	0	$1109944460516150_1 = \chi_{14}, \varphi_{14}$
	12	0	$39660520552077425_1 = \chi_{19}, \varphi_{18}$
	13	0	$60359800576579350_1 = \chi_{20}, \varphi_{19}$
	14	0	$290568421805921077_1 = \chi_{22}, \varphi_{21}$
	15	0	$2500435234254428856_1 = \chi_{24}, \varphi_{23}$
	16	0	$2986480825407204125_1 = \chi_{25}, \varphi_{24}$
	17	0	$3503434660075044981_1 = \chi_{26}, \varphi_{26}$
	$18 = \overline{17}$	0	$3503434660075044981_2 = \chi_{27}, \varphi_{25}$
	19	0	$3605718753596953125_1 = \chi_{28}, \varphi_{27}$
	20	0	$8456836343580310400_1 = \chi_{29}, \varphi_{28}$
	21	0	$8754193822112578125_1 = \chi_{30}, \varphi_{29}$
	22	0	$30815545786259524745_1 = \chi_{32}, \varphi_{31}$
	23	0	$31569817307122699605_1 = \chi_{33}, \varphi_{32}$
	24	0	$47377503606648784400_1 = \chi_{34}, \varphi_{33}$
	25	0	$49609712911192813665_1 = \chi_{35}, \varphi_{34}$
	26	0	$155943076739182582850_1 = \chi_{38}, \varphi_{37}$
	27	0	$172399434201593354756_1 = \chi_{39}, \varphi_{39}$
	$28 = \overline{27}$	0	$172399434201593354756_2 = \chi_{40}, \varphi_{38}$
	29	0	$379913824694312370176_1 = \chi_{43}, \varphi_{42}$
	30	0	$640558364167263622626_1 = \chi_{44}, \varphi_{45}$
	$31 = \overline{30}$	0	$640558364167263622626_2 = \chi_{45}, \varphi_{44}$
	32	0	$691170144025469730622_1 = \chi_{47}, \varphi_{47}$
	$33 = \overline{32}$	0	$691170144025469730622_2 = \chi_{48}, \varphi_{46}$
	34	0	$776097192277137500000_1 = \chi_{49}, \varphi_{48}$
	35	0	$1353006807137391674268_1 = \chi_{52}, \varphi_{51}$
	36	0	$1480279477146615234375_1 = \chi_{53}, \varphi_{53}$
	$37 = \overline{36}$	0	$1480279477146615234375_2 = \chi_{54}, \varphi_{52}$
	38	0	$5578077210155766091776_1 = \chi_{61}, \varphi_{59}$
	39	0	$6566555764392010419123_1 = \chi_{62}, \varphi_{60}$
	40	0	$7226910362631220625000_1 = \chi_{63}, \varphi_{61}$

	blocks	defect	matrix
	41	0	$19795913912408993711352_1 = \chi_{66}, \varphi_{64}$
	42	0	$21803647757861753437500_1 = \chi_{67}, \varphi_{65}$
	43	0	$24670833602960142274950_1 = \chi_{68}, \varphi_{66}$
	44	0	$31714653744947491918600_1 = \chi_{69}, \varphi_{67}$
	45	0	$41209556844092914062500_1 = \chi_{70}, \varphi_{68}$
	46	0	$42940402913709544921875_1 = \chi_{71}, \varphi_{70}$
	$47 = \overline{46}$	0	$42940402913709544921875_2 = \chi_{72}, \varphi_{69}$
	48	0	$60683762052057587326065_1 = \chi_{73}, \varphi_{71}$
	49	0	$70660346341309333984375_1 = \chi_{74}, \varphi_{73}$
	$50 = \overline{49}$	0	$70660346341309333984375_2 = \chi_{75}, \varphi_{72}$
	51	0	$91068387388302451493925_1 = \chi_{77}, \varphi_{75}$
	52	0	$114212876389603002704448_1 = \chi_{78}, \varphi_{76}$
	53	0	$115192831837135016250000_1 = \chi_{79}, \varphi_{77}$
	54	0	$146575737439884098045700_1 = \chi_{80}, \varphi_{78}$
	55	0	$218028402153522030021875_1 = \chi_{87}, \varphi_{84}$
	56	0	$220326476909636307378168_1 = \chi_{88}, \varphi_{86}$
	57	0	$260799524107083767968750_1 = \chi_{89}, \varphi_{88}$
	$58 = \overline{57}$	0	$260799524107083767968750_2 = \chi_{90}, \varphi_{87}$
	59	0	$261575621299360905468750_1 = \chi_{91}, \varphi_{89}$
	60	0	$303379038247015811718750_1 = \chi_{93}, \varphi_{90}$
	61	0	$331150814995116217581480_1 = \chi_{94}, \varphi_{91}$
	62	0	$433528694560598978525184_1 = \chi_{98}, \varphi_{94}$
	63	0	$597787522207315571077947_1 = \chi_{99}, \varphi_{96}$
	$64 = \overline{63}$	0	$597787522207315571077947_2 = \chi_{100}, \varphi_{95}$
	65	0	$626877403613887304040448_1 = \chi_{102}, \varphi_{98}$
	$66 = \overline{65}$	0	$626877403613887304040448_2 = \chi_{103}, \varphi_{97}$
	67	0	$655159231073705404921875_1 = \chi_{104}, \varphi_{99}$
	68	0	$689763222744895005949242_1 = \chi_{105}, \varphi_{101}$
	$69 = \overline{68}$	0	$689763222744895005949242_2 = \chi_{106}, \varphi_{100}$
	70	0	$689766726179555080994223_1 = \chi_{107}, \varphi_{103}$
	$71 = \overline{70}$	0	$689766726179555080994223_2 = \chi_{108}, \varphi_{102}$
	72	0	$1037605886984697481755304_1 = \chi_{109}, \varphi_{104}$
	73	0	$1361549126105752982272875_1 = \chi_{110}, \varphi_{105}$
	74	0	$1599110387863558882812500_1 = \chi_{111}, \varphi_{106}$
	75	0	$1662686180483865572016128_1 = \chi_{112}, \varphi_{107}$
	76	0	$2216343020913351966796875_1 = \chi_{114}, \varphi_{109}$
	77	0	$2477548750555298068681032_1 = \chi_{115}, \varphi_{110}$
	78	0	$3282510540283631442175104_1 = \chi_{116}, \varphi_{111}$
	79	0	$3537292796538741415074900_1 = \chi_{117}, \varphi_{112}$
	80	0	$3619209050774375426792424_1 = \chi_{118}, \varphi_{113}$

	blocks	defect	matrix
	81	0	$4004308274823270400000000_1 = \chi_{119}, \varphi_{114}$
	82	0	$4239315652979009728125000_1 = \chi_{120}, \varphi_{115}$
	83	0	$4926670174323484069683200_1 = \chi_{121}, \varphi_{116}$
	84	0	$5334046162969208352215625_1 = \chi_{122}, \varphi_{117}$
	85	0	$5514132424881463208443904_1 = \chi_{123}, \varphi_{120}$
	86	0	$5514132424881463208443904_2 = \chi_{124}, \varphi_{119}$
	$87 = \overline{86}$	0	$5514132424881463208443904_3 = \chi_{125}, \varphi_{118}$
	88	0	$7118465328761788475375616_1 = \chi_{126}, \varphi_{121}$
	89	0	$7375892500409609408203125_1 = \chi_{127}, \varphi_{122}$
	90	0	$7850934959207940600000000_1 = \chi_{130}, \varphi_{124}$
	91	0	$8394037047155083487634450_1 = \chi_{131}, \varphi_{125}$
	92	0	$8874260875527017936065100_1 = \chi_{132}, \varphi_{126}$
	93	0	$9416031858681585751556096_1 = \chi_{133}, \varphi_{127}$
	94	0	$9592298143650890255171584_1 = \chi_{135}, \varphi_{131}$
	$95 = \overline{94}$	0	$9592298143650890255171584_2 = \chi_{136}, \varphi_{130}$
	96	0	$12650882100466187033706250_1 = \chi_{139}, \varphi_{133}$
	97	0	$14930164283563048960000000_1 = \chi_{140}, \varphi_{135}$
	98	0	$16109407269221032565630370_1 = \chi_{141}, \varphi_{136}$
	99	0	$24546384719289825598186695_1 = \chi_{143}, \varphi_{137}$
	100	0	$29734941419909382162874368_1 = \chi_{145}, \varphi_{139}$
	101	0	$33684388830359981044531200_1 = \chi_{146}, \varphi_{142}$
	102	0	$33722191327002668157047380_1 = \chi_{147}, \varphi_{143}$
	103	0	$38471795739256565080575180_1 = \chi_{149}, \varphi_{144}$
	104	0	$41738941151243953804687500_1 = \chi_{150}, \varphi_{146}$
	105	0	$43527130990147981755651072_1 = \chi_{154}, \varphi_{147}$
	106	0	$50572542024949598403750000_1 = \chi_{155}, \varphi_{148}$
	107	0	$51324350389558097414062500_1 = \chi_{156}, \varphi_{149}$
	108	0	$58437394633227526183321600_1 = \chi_{158}, \varphi_{151}$
	109	0	$62038057486792249132974080_1 = \chi_{159}, \varphi_{153}$
	110	0	$63750812845035828079008441_1 = \chi_{160}, \varphi_{155}$
	111	0	$69084859008005036431224066_1 = \chi_{163}, \varphi_{158}$
	112	0	$74612213529720383654779356_1 = \chi_{164}, \varphi_{159}$
	113	0	$77423398454853064646282250_1 = \chi_{165}, \varphi_{161}$
	114	0	$83974774459050335630859375_1 = \chi_{166}, \varphi_{162}$
	115	0	$86206621680977834911875000_1 = \chi_{167}, \varphi_{163}$
	116	0	$115165062362004433625000000_1 = \chi_{170}, \varphi_{165}$
	117	0	$121170799240938738783416925_1 = \chi_{171}, \varphi_{166}$
	118	0	$124058385593021471188320256_1 = \chi_{172}, \varphi_{168}$
	119	0	$124982156072747647257292800_1 = \chi_{173}, \varphi_{169}$
	120	0	$125517264890136048242396811_1 = \chi_{174}, \varphi_{170}$

	blocks	defect	matrix
	121	0	$129572518017902934396764160_1 = \chi_{175}, \varphi_{171}$
	122	0	$135226984222789977095703125_1 = \chi_{177}, \varphi_{172}$
	123	0	$136574874874360806036041889_1 = \chi_{179}, \varphi_{174}$
	124	0	$136574874874360806036041889_2 = \chi_{180}, \varphi_{173}$
	125	0	$138988549876584520148320256_1 = \chi_{181}, \varphi_{175}$
	126	0	$173865305251972140447265625_1 = \chi_{185}, \varphi_{176}$
	127	0	$175867626988794162227008203_1 = \chi_{186}, \varphi_{177}$
	128	0	$198203900044423845494482560_1 = \chi_{188}, \varphi_{178}$
	129	0	$200390867219082687273984375_1 = \chi_{189}, \varphi_{179}$
	130	0	$203314261261157852274218750_1 = \chi_{190}, \varphi_{180}$
	131	0	$207467089840006711558593750_1 = \chi_{191}, \varphi_{181}$
	132	0	$212490247553365721772656250_1 = \chi_{192}, \varphi_{182}$
	133	0	$241866941438795926688759808_1 = \chi_{193}, \varphi_{183}$
	134	0	$258823477531055064045234375_1 = \chi_{194}, \varphi_{184}$

Block 1:	φ_1	φ_{35}	φ_{40}	φ_{41}	φ_{43}	φ_{57}
$1_1 = \chi_1$	1	.	.	.	.	.
$77316619273928125000_1 = \chi_{36}$	1	1	.	.	.	.
$286243267692724486144_1 = \chi_{41}$	.	.	.	1	.	.
$286243267692724486144_2 = \chi_{42}$	.	.	1	.	.	.
$643356925889917747200_1 = \chi_{46}$	.	1	.	.	1	.
$4567199176912486400000_1 = \chi_{59}$	.	.	.	.	.	.
$4567199176912486400000_2 = \chi_{60}$	.	.	.	.	.	1
$12810005542623250817856_1 = \chi_{65}$	.	.	.	.	1	.
$161649111002260792968750_1 = \chi_{83}$	.	.	.	.	.	.
$161649111002260792968750_2 = \chi_{84}$	.	.	.	.	.	.
$391009081837477378329600_1 = \chi_{96}$	.	.	1	1	.	1
$392611651975065600000000_1 = \chi_{97}$	.	.	.	.	.	.
$600020772685064502392907_1 = \chi_{101}$	.	.	.	.	.	.

(Block 1:)	φ_{58}	φ_{63}	φ_{81}	φ_{85}	φ_{93}
$1_1 = \chi_1$	.	.	.	.	.
$77316619273928125000_1 = \chi_{36}$	.	.	.	.	.
$286243267692724486144_1 = \chi_{41}$	.	.	.	.	.
$286243267692724486144_2 = \chi_{42}$	.	.	.	.	.
$643356925889917747200_1 = \chi_{46}$	.	.	.	.	.
$4567199176912486400000_1 = \chi_{59}$	1	.	.	.	.
$4567199176912486400000_2 = \chi_{60}$	.	.	.	.	.
$12810005542623250817856_1 = \chi_{65}$	.	1	.	.	.
$161649111002260792968750_1 = \chi_{83}$	.	.	1	.	.
$161649111002260792968750_2 = \chi_{84}$	.	.	1	.	.
$391009081837477378329600_1 = \chi_{96}$	1	.	1	1	.
$392611651975065600000000_1 = \chi_{97}$	.	1	.	.	1
$600020772685064502392907_1 = \chi_{101}$	.	.	.	1	1

$\varphi_1 = 1_1$	$\varphi_{58} = 4567199176912486400000_2$
$\varphi_{35} = 77316619273928124999_1$	$\varphi_{63} = 12243965236007261195655_1$
$\varphi_{40} = 286243267692724486144_1$	$\varphi_{81} = 161649111002260792968750_1$
$\varphi_{41} = 286243267692724486144_2$	$\varphi_{85} = 219653085946006163588562_1$
$\varphi_{43} = 566040306615989622201_1$	$\varphi_{93} = 380367686739058338804345_1$
$\varphi_{57} = 4567199176912486400000_1$	

Block 2:	φ_2	φ_{15}	φ_{17}	φ_{49}
$196883_1 = \chi_2$	1	.	.	.
$2374124840062976_1 = \chi_{15}$	1	1	.	.
$15178147608537368_1 = \chi_{18}$	.	1	1	.
$918438233727730974720_1 = \chi_{50}$	.	.	1	1
$191259085113459945312500_1 = \chi_{85}$	.	.	.	.
$191259085113459945312500_2 = \chi_{86}$	.	.	.	.
$2181694185821505680397072_1 = \chi_{113}$	.	.	.	.
$56356433273146675005489152_1 = \chi_{157}$	.	.	.	.
$66550339514356152000000000_1 = \chi_{162}$	.	.	.	1
$103354104243912727763091456_1 = \chi_{169}$	.	.	.	.
$130287135266837289237316743_1 = \chi_{176}$	.	.	.	.
$163216709667196367710937500_1 = \chi_{183}$	.	.	.	.
$177966317773633111417870812_1 = \chi_{187}$	.	.	.	.

(Block 2:)	φ_{82}	φ_{108}	φ_{145}
$196883_1 = \chi_2$	.	.	.
$2374124840062976_1 = \chi_{15}$	.	.	.
$15178147608537368_1 = \chi_{18}$	.	.	.
$918438233727730974720_1 = \chi_{50}$	.	.	.
$191259085113459945312500_1 = \chi_{85}$	1	.	.
$191259085113459945312500_2 = \chi_{86}$	1	.	.
$2181694185821505680397072_1 = \chi_{113}$	1	1	.
$56356433273146675005489152_1 = \chi_{157}$	.	1	.
$66550339514356152000000000_1 = \chi_{162}$	.	.	.
$103354104243912727763091456_1 = \chi_{169}$	.	.	1
$130287135266837289237316743_1 = \chi_{176}$	.	.	.
$163216709667196367710937500_1 = \chi_{183}$	.	.	1
$177966317773633111417870812_1 = \chi_{187}$	.	.	.

(Block 2:)	φ_{150}	φ_{154}	φ_{157}
$196883_1 = \chi_2$	.	.	.
$2374124840062976_1 = \chi_{15}$	.	.	.
$15178147608537368_1 = \chi_{18}$	.	.	.
$918438233727730974720_1 = \chi_{50}$	.	.	.
$191259085113459945312500_1 = \chi_{85}$	.	.	.
$191259085113459945312500_2 = \chi_{86}$	.	.	.
$2181694185821505680397072_1 = \chi_{113}$	.	.	.
$56356433273146675005489152_1 = \chi_{157}$	1	.	.
$66550339514356152000000000_1 = \chi_{162}$	.	.	1
$103354104243912727763091456_1 = \chi_{169}$	.	1	.
$130287135266837289237316743_1 = \chi_{176}$	.	1	1
$163216709667196367710937500_1 = \chi_{183}$	.	.	.
$177966317773633111417870812_1 = \chi_{187}$	1	.	.

(Block 2:)	φ_{167}
$196883_1 = \chi_2$	.
$2374124840062976_1 = \chi_{15}$	.
$15178147608537368_1 = \chi_{18}$	.
$918438233727730974720_1 = \chi_{50}$	.
$191259085113459945312500_1 = \chi_{85}$	.
$191259085113459945312500_2 = \chi_{86}$	.
$2181694185821505680397072_1 = \chi_{113}$	.
$56356433273146675005489152_1 = \chi_{157}$	.
$66550339514356152000000000_1 = \chi_{162}$	.
$103354104243912727763091456_1 = \chi_{169}$	.
$130287135266837289237316743_1 = \chi_{176}$	.
$163216709667196367710937500_1 = \chi_{183}$	1
$177966317773633111417870812_1 = \chi_{187}$	1

$$\begin{array}{ll}
\varphi_2 = 196883_1 & \varphi_{145} = 39616390066001885563471268_1 \\
\varphi_{15} = 2374124839866093_1 & \varphi_{150} = 54365998172438629270404580_1 \\
\varphi_{17} = 12804022768671275_1 & \varphi_{154} = 63737714177910842199620188_1 \\
\varphi_{49} = 918425429704962303445_1 & \varphi_{157} = 66549421088926447037696555_1 \\
\varphi_{82} = 191259085113459945312500_1 & \varphi_{167} = 123600319601194482147466232_1 \\
\varphi_{108} = 1990435100708045735084572_1 &
\end{array}$$

Block 3:	φ_3	φ_{13}	φ_{30}	φ_{54}
$21296876_1 = \chi_3$	1	.	.	.
$1044868466775133_1 = \chi_{13}$	1	1	.	.
$28585990950721640625_1 = \chi_{31}$	.	1	1	.
$1768130802583126953125_1 = \chi_{55}$	.	.	.	1
$1768130802583126953125_2 = \chi_{56}$	.	.	.	1
$2382987417506242421875_1 = \chi_{58}$	.	.	1	.
$351532203382732066094400_1 = \chi_{95}$	.	.	.	.
$27501917609709102247187500_1 = \chi_{144}$	.	.	.	1
$64326163427522624205703125_1 = \chi_{161}$	.	.	.	.
$88943820620288343261672393_1 = \chi_{168}$	.	.	.	.
$136107644194473772613203125_1 = \chi_{178}$	.	.	.	.
$161561864971171113287540625_1 = \chi_{182}$	.	.	.	.
$172248852397651745653437500_1 = \chi_{184}$	.	.	.	.

(Block 3:)	φ_{56}	φ_{92}	φ_{138}
$21296876_1 = \chi_3$	.	.	.
$1044868466775133_1 = \chi_{13}$	.	.	.
$28585990950721640625_1 = \chi_{31}$	.	.	.
$1768130802583126953125_1 = \chi_{55}$	.	.	.
$1768130802583126953125_2 = \chi_{56}$	.	.	.
$2382987417506242421875_1 = \chi_{58}$	1	.	.
$351532203382732066094400_1 = \chi_{95}$	1	1	.
$27501917609709102247187500_1 = \chi_{144}$	.	.	1
$64326163427522624205703125_1 = \chi_{161}$	.	1	.
$88943820620288343261672393_1 = \chi_{168}$	.	.	1
$136107644194473772613203125_1 = \chi_{178}$	.	.	.
$161561864971171113287540625_1 = \chi_{182}$	.	.	.
$172248852397651745653437500_1 = \chi_{184}$	.	.	.

(Block 3:)	φ_{152}	φ_{156}	φ_{160}
$21296876_1 = \chi_3$	.	.	.
$1044868466775133_1 = \chi_{13}$	.	.	.
$28585990950721640625_1 = \chi_{31}$	.	.	.
$1768130802583126953125_1 = \chi_{55}$	.	.	.
$1768130802583126953125_2 = \chi_{56}$	.	.	.
$2382987417506242421875_1 = \chi_{58}$	.	.	.
$351532203382732066094400_1 = \chi_{95}$	.	.	.
$27501917609709102247187500_1 = \chi_{144}$	.	.	.
$64326163427522624205703125_1 = \chi_{161}$	.	1	.
$88943820620288343261672393_1 = \chi_{168}$	1	.	.
$136107644194473772613203125_1 = \chi_{178}$	1	.	1
$161561864971171113287540625_1 = \chi_{182}$	.	1	.
$172248852397651745653437500_1 = \chi_{184}$	.	.	1

(Block 3:)	φ_{164}
$21296876_1 = \chi_3$	.
$1044868466775133_1 = \chi_{13}$	.
$28585990950721640625_1 = \chi_{31}$	.
$1768130802583126953125_1 = \chi_{55}$	.
$1768130802583126953125_2 = \chi_{56}$	.
$2382987417506242421875_1 = \chi_{58}$	.
$351532203382732066094400_1 = \chi_{95}$	.
$27501917609709102247187500_1 = \chi_{144}$	.
$64326163427522624205703125_1 = \chi_{161}$	.
$88943820620288343261672393_1 = \chi_{168}$	.
$136107644194473772613203125_1 = \chi_{178}$	.
$161561864971171113287540625_1 = \chi_{182}$	1
$172248852397651745653437500_1 = \chi_{184}$	1

$\varphi_3 = 21296876_1$	$\varphi_{138} = 27500149478906519120234375_1$
$\varphi_{13} = 1044868445478257_1$	$\varphi_{152} = 61443671141381824141438018_1$
$\varphi_{30} = 28584946082276162368_1$	$\varphi_{156} = 63976985626611316105868232_1$
$\varphi_{54} = 1768130802583126953125_1$	$\varphi_{160} = 74663973053091948471765107_1$
$\varphi_{56} = 2354402471423966259507_1$	$\varphi_{164} = 97584879344559797181672393_1$
$\varphi_{92} = 349177800911308099834893_1$	

Block 4:	φ_4	φ_{10}	φ_{22}	φ_{36}
$842609326_1 = \chi_4$	1	.	.	.
$125510727015275_1 = \chi_{10}$	1	1	.	.
$336041615485626050_1 = \chi_{23}$	.	1	1	.
$130415350420342968750_1 = \chi_{37}$	.	.	1	1
$10145274012943412428800_1 = \chi_{64}$	.	.	.	1
$149614794149226010902528_1 = \chi_{81}$	.	.	.	.
$149614794149226010902528_2 = \chi_{82}$	.	.	.	.
$7567151576542452425781250_1 = \chi_{128}$	.	.	.	.
$7567151576542452425781250_2 = \chi_{129}$	.	.	.	.
$9479495745805305653125000_1 = \chi_{134}$	.	.	.	.
$22626621365160537099927552_1 = \chi_{142}$	.	.	.	.
$37310715211546624000000000_1 = \chi_{148}$	.	.	.	.
$42601474860639579669896397_1 = \chi_{153}$	.	.	.	.

(Block 4:)	φ_{62}	φ_{79}	φ_{80}
$842609326_1 = \chi_4$	.	.	.
$125510727015275_1 = \chi_{10}$	.	.	.
$336041615485626050_1 = \chi_{23}$	.	.	.
$130415350420342968750_1 = \chi_{37}$	.	.	.
$10145274012943412428800_1 = \chi_{64}$	1	.	.
$149614794149226010902528_1 = \chi_{81}$	.	.	1
$149614794149226010902528_2 = \chi_{82}$	.	1	.
$7567151576542452425781250_1 = \chi_{128}$	.	.	.
$7567151576542452425781250_2 = \chi_{129}$	.	.	.
$9479495745805305653125000_1 = \chi_{134}$	1	.	.
$22626621365160537099927552_1 = \chi_{142}$	.	1	1
$37310715211546624000000000_1 = \chi_{148}$	.	.	.
$42601474860639579669896397_1 = \chi_{153}$	.	.	.

(Block 4:)	φ_{123}	φ_{128}	φ_{134}
$842609326_1 = \chi_4$	.	.	.
$125510727015275_1 = \chi_{10}$	.	.	.
$336041615485626050_1 = \chi_{23}$	.	.	.
$130415350420342968750_1 = \chi_{37}$	.	.	.
$10145274012943412428800_1 = \chi_{64}$	.	.	.
$149614794149226010902528_1 = \chi_{81}$	.	.	.
$149614794149226010902528_2 = \chi_{82}$	.	.	.
$7567151576542452425781250_1 = \chi_{128}$	1	.	.
$7567151576542452425781250_2 = \chi_{129}$	1	.	.
$9479495745805305653125000_1 = \chi_{134}$	.	1	.
$22626621365160537099927552_1 = \chi_{142}$	.	1	1
$37310715211546624000000000_1 = \chi_{148}$	1	.	.
$42601474860639579669896397_1 = \chi_{153}$	.	.	1

(Block 4:)	φ_{140}
$842609326_1 = \chi_4$	.
$125510727015275_1 = \chi_{10}$	.
$336041615485626050_1 = \chi_{23}$	.
$130415350420342968750_1 = \chi_{37}$	.
$10145274012943412428800_1 = \chi_{64}$	.
$149614794149226010902528_1 = \chi_{81}$	.
$149614794149226010902528_2 = \chi_{82}$	.
$7567151576542452425781250_1 = \chi_{128}$	.
$7567151576542452425781250_2 = \chi_{129}$	.
$9479495745805305653125000_1 = \chi_{134}$	.
$22626621365160537099927552_1 = \chi_{142}$	.
$37310715211546624000000000_1 = \chi_{148}$	1
$42601474860639579669896397_1 = \chi_{153}$	1

$$\begin{array}{ll}
\varphi_4 = 842609326_1 & \varphi_{80} = 149614794149226010902528_2 \\
\varphi_{10} = 125509884405949_1 & \varphi_{123} = 7567151576542452425781250_1 \\
\varphi_{22} = 335916105601220101_1 & \varphi_{128} = 9469480551226676982444849_1 \\
\varphi_{36} = 130079434314741748649_1 & \varphi_{134} = 12857911225635408095677647_1 \\
\varphi_{62} = 10015194578628670680151_1 & \varphi_{140} = 29743563635004171574218750_1 \\
\varphi_{79} = 149614794149226010902528_1 &
\end{array}$$

Block 7:	φ_7	φ_9	φ_{16}	φ_{20}
$293553734298_1 = \chi_7$	1	.	.	.
$36173193327999_1 = \chi_9$	1	1	.	.
$8980616927734375_1 = \chi_{16}$	.	.	1	.
$8980616927734375_2 = \chi_{17}$	.	.	1	.
$251098487132187500_1 = \chi_{21}$	.	1	.	1
$1201241700908448332364_1 = \chi_{51}$	.	.	1	.
$2351753641814605348320_1 = \chi_{57}$	.	.	.	1
$86551489469233273849000_1 = \chi_{76}$	.	.	.	.
$277540481294528814140625_1 = \chi_{92}$	.	.	.	.
$9592584386918582979657728_1 = \chi_{137}$	.	.	.	.
$10023854998171489083984375_1 = \chi_{138}$	.	.	.	.
$41762322738385820195625000_1 = \chi_{151}$	.	.	.	.
$42001454087954515167503490_1 = \chi_{152}$	.	.	.	.

(Block 7:)	φ_{50}	φ_{55}	φ_{74}	φ_{83}
$293553734298_1 = \chi_7$	.	.	.	.
$36173193327999_1 = \chi_9$	.	.	.	.
$8980616927734375_1 = \chi_{16}$	.	.	.	.
$8980616927734375_2 = \chi_{17}$	.	.	.	.
$251098487132187500_1 = \chi_{21}$	.	.	.	.
$1201241700908448332364_1 = \chi_{51}$	1	.	.	.
$2351753641814605348320_1 = \chi_{57}$	.	1	.	.
$86551489469233273849000_1 = \chi_{76}$	.	1	1	.
$277540481294528814140625_1 = \chi_{92}$	.	.	1	1
$9592584386918582979657728_1 = \chi_{137}$	1	.	.	.
$10023854998171489083984375_1 = \chi_{138}$	.	.	.	1
$41762322738385820195625000_1 = \chi_{151}$	.	.	.	.
$42001454087954515167503490_1 = \chi_{152}$	.	.	.	.

(Block 7:)	φ_{129}	φ_{132}	φ_{141}
$293553734298_1 = \chi_7$	.	.	.
$36173193327999_1 = \chi_9$	.	.	.
$8980616927734375_1 = \chi_{16}$	.	.	.
$8980616927734375_2 = \chi_{17}$	.	.	.
$251098487132187500_1 = \chi_{21}$	.	.	.
$1201241700908448332364_1 = \chi_{51}$	.	.	.
$2351753641814605348320_1 = \chi_{57}$	.	.	.
$86551489469233273849000_1 = \chi_{76}$	.	.	.
$277540481294528814140625_1 = \chi_{92}$	.	.	.
$9592584386918582979657728_1 = \chi_{137}$	1	.	.
$10023854998171489083984375_1 = \chi_{138}$	.	1	.
$41762322738385820195625000_1 = \chi_{151}$	1	.	1
$42001454087954515167503490_1 = \chi_{152}$	.	1	1

$$\begin{array}{ll}
\varphi_7 = 293553734298_1 & \varphi_{74} = 84199986890026161094479_1 \\
\varphi_9 = 35879639593701_1 & \varphi_{83} = 193340494404502653046146_1 \\
\varphi_{16} = 8980616927734375_1 & \varphi_{129} = 9591383154198291459059739_1 \\
\varphi_{20} = 251062607492593799_1 & \varphi_{132} = 9830514503766986430938229_1 \\
\varphi_{50} = 1201232720291520597989_1 & \varphi_{141} = 32170939584187528736565261_1 \\
\varphi_{55} = 2351502579207112754521_1 &
\end{array}$$