

$A_{19} \pmod{2}$

	blocks	defect	matrix
$G :$	1	15	$150 \times 30$
	2	14	$100 \times 27$
	3	2	$4 \times 3$



<b>(Block 1:)</b>	$\varphi_{23}$	$\varphi_{25}$	$\varphi_{28}$	$\varphi_{30}$	$\varphi_{34}$	$\varphi_{35}$	$\varphi_{36}$	$\varphi_{39}$	$\varphi_{40}$	$\varphi_{42}$	$\varphi_{47}$	$\varphi_{49}$	$\varphi_{51}$
$1_1 = \chi_1$	.	.	.	.	.	.	.	.	.	.	.	.	.
$152_1 = \chi_3$	.	.	.	.	.	.	.	.	.	.	.	.	.
$153_1 = \chi_4$	.	.	.	.	.	.	.	.	.	.	.	.	.
$1615_1 = \chi_7$	.	.	.	.	.	.	.	.	.	.	.	.	.
$2907_1 = \chi_8$	.	.	.	.	.	.	.	.	.	.	.	.	.
$3060_1 = \chi_9$	.	.	.	.	.	.	.	.	.	.	.	.	.
$5985_1 = \chi_{10}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$8892_1 = \chi_{13}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$9044_1 = \chi_{14}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$15504_1 = \chi_{15}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$18564_1 = \chi_{17}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$25194_1 = \chi_{21}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$31977_1 = \chi_{23}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$33592_1 = \chi_{24}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$43758_1 = \chi_{27}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$75582_1 = \chi_{29}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$81396_1 = \chi_{30}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$85272_1 = \chi_{31}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$88179_1 = \chi_{32}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$90440_1 = \chi_{33}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$151164_1 = \chi_{34}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$151164_2 = \chi_{35}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$160056_1 = \chi_{36}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$169575_1 = \chi_{37}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$175560_1 = \chi_{38}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$184756_1 = \chi_{39}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$184756_2 = \chi_{40}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$203490_1 = \chi_{41}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$293930_1 = \chi_{43}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$369512_1 = \chi_{44}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$383724_1 = \chi_{46}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$415701_1 = \chi_{48}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$488376_1 = \chi_{51}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$529074_1 = \chi_{52}$	.	.	1	.	.	1	.	.	.	.	.	.	.
$554268_1 = \chi_{53}$	.	.	1	.	.	.	.	.	.	.	1	.	.
$554268_2 = \chi_{54}$	.	.	1	.	.	1	.	.	.	.	.	.	.
$554268_3 = \chi_{55}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$566865_1 = \chi_{56}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$639540_1 = \chi_{59}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$646646_1 = \chi_{60}$	1	.	.	.	.	1	1	.	.	.	.	.	.

(Block 1:)	$\varphi_{52}$	$\varphi_{53}$	$\varphi_{58}$
$1_1 = \chi_1$	.	.	.
$152_1 = \chi_3$	.	.	.
$153_1 = \chi_4$	.	.	.
$1615_1 = \chi_7$	.	.	.
$2907_1 = \chi_8$	.	.	.
$3060_1 = \chi_9$	.	.	.
$5985_1 = \chi_{10}$	.	.	.
$8892_1 = \chi_{13}$	.	.	.
$9044_1 = \chi_{14}$	.	.	.
$15504_1 = \chi_{15}$	.	.	.
$18564_1 = \chi_{17}$	.	.	.
$25194_1 = \chi_{21}$	.	.	.
$31977_1 = \chi_{23}$	.	.	.
$33592_1 = \chi_{24}$	.	.	.
$43758_1 = \chi_{27}$	.	.	.
$75582_1 = \chi_{29}$	.	.	.
$81396_1 = \chi_{30}$	.	.	.
$85272_1 = \chi_{31}$	.	.	.
$88179_1 = \chi_{32}$	.	.	.
$90440_1 = \chi_{33}$	.	.	.
$151164_1 = \chi_{34}$	.	.	.
$151164_2 = \chi_{35}$	.	.	.
$160056_1 = \chi_{36}$	.	.	.
$169575_1 = \chi_{37}$	.	.	.
$175560_1 = \chi_{38}$	.	.	.
$184756_1 = \chi_{39}$	.	.	.
$184756_2 = \chi_{40}$	.	.	.
$203490_1 = \chi_{41}$	.	.	.
$293930_1 = \chi_{43}$	.	.	.
$369512_1 = \chi_{44}$	.	.	.
$383724_1 = \chi_{46}$	.	.	.
$415701_1 = \chi_{48}$	.	.	.
$488376_1 = \chi_{51}$	.	.	.
$529074_1 = \chi_{52}$	.	.	.
$554268_1 = \chi_{53}$	.	.	.
$554268_2 = \chi_{54}$	.	.	.
$554268_3 = \chi_{55}$	.	.	.
$566865_1 = \chi_{56}$	.	.	.
$639540_1 = \chi_{59}$	.	.	.
$646646_1 = \chi_{60}$	.	.	.

(Block 1:)	$\varphi_1$	$\varphi_3$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_9$	$\varphi_{11}$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{16}$	$\varphi_{18}$	$\varphi_{20}$	$\varphi_{21}$	$\varphi_{22}$
680238 <sub>1</sub> = $\chi_{61}$	4	1	1	1	1	1	2	1	1	1	.	1	1	1
755820 <sub>2</sub> = $\chi_{63}$	6	1	.	1	2	.	.	.	.	.	.	1	2	1
815100 <sub>1</sub> = $\chi_{65}$	8	2	3	1	3	2	3	2	2	1	.	.	1	1
831402 <sub>1</sub> = $\chi_{66}$	4	.	1	.	1	.	.	.	.	1	1	.	1	.
840294 <sub>1</sub> = $\chi_{67}$	8	2	3	2	3	2	3	2	2	1	.	1	1	1
949620 <sub>1</sub> = $\chi_{68}$	6	1	2	.	2	1	1	1	1	1	1	.	1	1
1058148 <sub>1</sub> = $\chi_{71}$	6	1	.	.	2	.	.	.	1	.	.	.	1	1
1119195 <sub>1</sub> = $\chi_{73}$	9	2	3	1	3	2	3	2	2	1	1	.	1	1
1234506 <sub>1</sub> = $\chi_{76}$	8	1	4	1	3	3	2	2	1	2	1	1	2	1
1322685 <sub>1</sub> = $\chi_{77}$	11	2	4	2	4	3	3	2	2	2	1	1	2	1
1369368 <sub>1</sub> = $\chi_{78}$	12	3	4	2	4	2	3	2	2	2	.	1	2	2
1511640 <sub>1</sub> = $\chi_{81}$	8	1	.	.	3	.	1	.	1	.	.	.	2	1
1511640 <sub>2</sub> = $\chi_{82}$	6	1	.	.	2	.	.	.	.	.	.	.	2	1
1534896 <sub>1</sub> = $\chi_{83}$	8	2	.	.	2	.	2	1	2	.	.	.	1	2
1569780 <sub>1</sub> = $\chi_{84}$	4	1	.	4	.	.	1	.	1	.	.	2	.	.
1662804 <sub>2</sub> = $\chi_{87}$	6	1	1	.	1	.	.	.	1	1	1	.	1	1
1662804 <sub>3</sub> = $\chi_{88}$	6	3	.	2	.	.	1	.	1	.	.	.	.	.
1790712 <sub>1</sub> = $\chi_{89}$	8	1	2	1	3	1	.	.	.	2	.	1	3	1
1790712 <sub>3</sub> = $\chi_{91}$	6	.	2	.	2	1	.	.	.	2	1	.	2	.
1847560 <sub>1</sub> = $\chi_{92}$	10	1	2	1	4	1	2	1	1	2	.	1	3	1
2046528 <sub>1</sub> = $\chi_{93}$	6	2	.	4	.	.	3	1	2	.	.	2	.	1
2078505 <sub>1</sub> = $\chi_{94}$	11	2	4	1	4	3	3	2	2	2	1	.	2	1
2116296 <sub>1</sub> = $\chi_{95}$	8	1	.	.	3	.	.	.	1	.	.	.	2	1
2116296 <sub>2</sub> = $\chi_{96}$	8	3	.	4	1	.	3	1	3	.	.	2	.	1
2263261 <sub>1</sub> = $\chi_{98}$	13	2	5	2	5	3	3	2	2	3	1	1	3	1
2519400 <sub>1</sub> = $\chi_{101}$	10	2	2	4	2	1	2	1	2	1	1	2	1	1
2686068 <sub>1</sub> = $\chi_{103}$	12	3	3	4	3	2	4	2	3	1	1	2	1	1
2834325 <sub>1</sub> = $\chi_{104}$	17	3	4	2	6	3	3	2	2	2	1	1	4	2
2909907 <sub>1</sub> = $\chi_{105}$	17	3	5	2	6	3	3	2	2	3	1	1	4	2
3325608 <sub>2</sub> = $\chi_{108}$	16	4	4	4	4	3	5	3	4	2	1	2	2	2
3325608 <sub>3</sub> = $\chi_{109}$	16	3	2	1	5	1	2	1	2	2	.	1	4	3
3325608 <sub>4</sub> = $\chi_{110}$	16	2	4	.	6	3	2	2	2	2	1	.	4	2
3325608 <sub>5</sub> = $\chi_{111}$	14	2	2	.	4	1	2	1	2	2	1	.	3	2
3879876 <sub>1</sub> = $\chi_{114}$	6	3	.	2	.	.	3	1	1	.	.	.	.	.
3879876 <sub>2</sub> = $\chi_{115}$	20	3	5	1	7	3	2	2	2	3	1	1	5	3
4081428 <sub>1</sub> = $\chi_{116}$	20	3	2	1	6	1	2	1	2	2	1	1	5	3
4938024 <sub>1</sub> = $\chi_{125}$	12	4	.	2	2	.	3	1	2	.	.	.	1	1
5668650 <sub>1</sub> = $\chi_{129}$	6	2	.	1	1	.	1	.	1	.	.	1	1	2
5819814 <sub>1</sub> = $\chi_{130}$	8	1	1	2	1	.	.	.	1	1	1	2	1	1
5819814 <sub>2</sub> = $\chi_{131}$	8	3	.	4	.	.	1	.	1	.	.	2	.	.

(Block 1:)	$\varphi_{23}$	$\varphi_{25}$	$\varphi_{28}$	$\varphi_{30}$	$\varphi_{34}$	$\varphi_{35}$	$\varphi_{36}$	$\varphi_{39}$	$\varphi_{40}$	$\varphi_{42}$	$\varphi_{47}$	$\varphi_{49}$	$\varphi_{51}$
680238 <sub>1</sub> = $\chi_{61}$	.	.	.	.	.	.	.	.	.	.	.	.	.
755820 <sub>2</sub> = $\chi_{63}$	1	.	.	.	.	1	1	.	.	.	.	.	.
815100 <sub>1</sub> = $\chi_{65}$	.	.	.	.	.	.	.	.	.	.	.	.	.
831402 <sub>1</sub> = $\chi_{66}$	1	.	1	.	.	.	1	.	.	.	1	.	.
840294 <sub>1</sub> = $\chi_{67}$	.	.	.	.	.	.	.	.	.	.	.	.	.
949620 <sub>1</sub> = $\chi_{68}$	1	.	.	.	.	.	.	.	.	.	.	.	.
1058148 <sub>1</sub> = $\chi_{71}$	1	.	.	.	.	1	.	1	.	.	.	.	.
1119195 <sub>1</sub> = $\chi_{73}$	1	.	.	.	.	.	.	.	.	.	.	.	.
1234506 <sub>1</sub> = $\chi_{76}$	1	.	.	.	.	.	.	.	.	.	.	.	.
1322685 <sub>1</sub> = $\chi_{77}$	1	.	.	.	.	.	.	.	.	.	.	.	.
1369368 <sub>1</sub> = $\chi_{78}$	.	.	1	.	.	1	.	.	.	.	.	.	.
1511640 <sub>1</sub> = $\chi_{81}$	1	.	.	1	.	.	.	.	.	.	.	.	.
1511640 <sub>2</sub> = $\chi_{82}$	1	.	.	1	.	1	1	.	.	.	.	.	.
1534896 <sub>1</sub> = $\chi_{83}$	1	.	.	.	.	1	.	1	.	.	.	.	.
1569780 <sub>1</sub> = $\chi_{84}$	.	1	.	.	.	.	.	.	.	.	.	.	.
1662804 <sub>2</sub> = $\chi_{87}$	1	.	1	.	.	1	1	1	.	.	1	.	.
1662804 <sub>3</sub> = $\chi_{88}$	.	.	.	.	.	1	.	1	.	.	.	.	.
1790712 <sub>1</sub> = $\chi_{89}$	1	.	1	1	.	1	1	.	.	.	.	.	.
1790712 <sub>3</sub> = $\chi_{91}$	1	.	1	1	.	.	1	.	.	.	1	.	.
1847560 <sub>1</sub> = $\chi_{92}$	1	.	1	1	.	.	.	.	.	.	.	.	.
2046528 <sub>1</sub> = $\chi_{93}$	.	1	.	.	.	.	.	.	.	.	.	.	.
2078505 <sub>1</sub> = $\chi_{94}$	1	.	.	1	.	.	.	.	.	.	.	.	.
2116296 <sub>1</sub> = $\chi_{95}$	2	.	.	1	.	1	1	1	.	.	.	.	.
2116296 <sub>2</sub> = $\chi_{96}$	.	1	.	.	.	.	.	.	.	.	.	.	.
2263261 <sub>1</sub> = $\chi_{98}$	1	.	1	1	.	.	.	.	.	.	.	.	.
2519400 <sub>1</sub> = $\chi_{101}$	1	1	.	.	.	.	.	.	.	.	.	.	.
2686068 <sub>1</sub> = $\chi_{103}$	1	1	.	.	.	.	.	.	.	.	.	.	.
2834325 <sub>1</sub> = $\chi_{104}$	2	.	.	1	.	1	1	.	.	.	.	.	.
2909907 <sub>1</sub> = $\chi_{105}$	2	.	1	1	.	1	1	.	.	.	.	.	.
3325608 <sub>2</sub> = $\chi_{108}$	1	1	.	.	.	.	.	.	.	.	.	.	.
3325608 <sub>3</sub> = $\chi_{109}$	2	.	1	1	.	2	1	1	.	.	.	.	.
3325608 <sub>4</sub> = $\chi_{110}$	3	.	.	1	.	1	1	1	.	.	.	.	.
3325608 <sub>5</sub> = $\chi_{111}$	2	.	1	1	.	1	1	1	.	.	1	.	.
3879876 <sub>1</sub> = $\chi_{114}$	.	.	.	.	.	1	.	1	.	1	.	.	.
3879876 <sub>2</sub> = $\chi_{115}$	3	.	1	1	.	2	1	1	.	.	.	.	.
4081428 <sub>1</sub> = $\chi_{116}$	3	.	1	1	.	2	2	1	.	.	1	.	.
4938024 <sub>1</sub> = $\chi_{125}$	1	.	.	.	.	2	.	2	.	1	.	.	.
5668650 <sub>1</sub> = $\chi_{129}$	.	.	.	.	.	1	.	.	1	.	.	.	.
5819814 <sub>1</sub> = $\chi_{130}$	1	1	1	.	.	1	1	1	.	.	1	.	.
5819814 <sub>2</sub> = $\chi_{131}$	.	1	.	.	.	1	.	1	.	.	.	.	.

(Block 1:)	$\varphi_{52}$	$\varphi_{53}$	$\varphi_{58}$
680238 <sub>1</sub> = $\chi_{61}$	.	.	.
755820 <sub>2</sub> = $\chi_{63}$	.	.	.
815100 <sub>1</sub> = $\chi_{65}$	.	.	.
831402 <sub>1</sub> = $\chi_{66}$	.	.	.
840294 <sub>1</sub> = $\chi_{67}$	.	.	.
949620 <sub>1</sub> = $\chi_{68}$	.	.	.
1058148 <sub>1</sub> = $\chi_{71}$	.	.	.
1119195 <sub>1</sub> = $\chi_{73}$	.	.	.
1234506 <sub>1</sub> = $\chi_{76}$	.	.	.
1322685 <sub>1</sub> = $\chi_{77}$	.	.	.
1369368 <sub>1</sub> = $\chi_{78}$	.	.	.
1511640 <sub>1</sub> = $\chi_{81}$	.	.	.
1511640 <sub>2</sub> = $\chi_{82}$	.	.	.
1534896 <sub>1</sub> = $\chi_{83}$	.	.	.
1569780 <sub>1</sub> = $\chi_{84}$	.	.	.
1662804 <sub>2</sub> = $\chi_{87}$	.	.	.
1662804 <sub>3</sub> = $\chi_{88}$	.	1	.
1790712 <sub>1</sub> = $\chi_{89}$	.	.	.
1790712 <sub>3</sub> = $\chi_{91}$	.	.	.
1847560 <sub>1</sub> = $\chi_{92}$	.	.	.
2046528 <sub>1</sub> = $\chi_{93}$	.	.	.
2078505 <sub>1</sub> = $\chi_{94}$	.	.	.
2116296 <sub>1</sub> = $\chi_{95}$	.	.	.
2116296 <sub>2</sub> = $\chi_{96}$	.	.	.
2263261 <sub>1</sub> = $\chi_{98}$	.	.	.
2519400 <sub>1</sub> = $\chi_{101}$	.	.	.
2686068 <sub>1</sub> = $\chi_{103}$	.	.	.
2834325 <sub>1</sub> = $\chi_{104}$	.	.	.
2909907 <sub>1</sub> = $\chi_{105}$	.	.	.
3325608 <sub>2</sub> = $\chi_{108}$	.	.	.
3325608 <sub>3</sub> = $\chi_{109}$	.	.	.
3325608 <sub>4</sub> = $\chi_{110}$	.	.	.
3325608 <sub>5</sub> = $\chi_{111}$	.	.	.
3879876 <sub>1</sub> = $\chi_{114}$	.	1	.
3879876 <sub>2</sub> = $\chi_{115}$	.	.	.
4081428 <sub>1</sub> = $\chi_{116}$	.	.	.
4938024 <sub>1</sub> = $\chi_{125}$	.	1	.
5668650 <sub>1</sub> = $\chi_{129}$	.	.	.
5819814 <sub>1</sub> = $\chi_{130}$	1	.	.
5819814 <sub>2</sub> = $\chi_{131}$	1	1	.

(Block 1:)	$\varphi_1$	$\varphi_3$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_9$	$\varphi_{11}$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{16}$	$\varphi_{18}$	$\varphi_{20}$	$\varphi_{21}$	$\varphi_{22}$
6267492 <sub>1</sub> = $\chi_{134}$	12	3	2	6	2	1	1	.	1	1	1	3	1	1
6348888 <sub>1</sub> = $\chi_{135}$	4	2	2	2	.	1	2	1	.	1	1	1	.	.
6466460 <sub>1</sub> = $\chi_{137}$	6	1	1	1	1	1	.	.	.	1	1	1	1	1
6651216 <sub>3</sub> = $\chi_{140}$	10	4	.	4	.	.	1	.	2	.	.	2	.	1
6651216 <sub>4</sub> = $\chi_{141}$	14	4	4	6	2	2	2	1	2	2	2	3	1	1
6837264 <sub>1</sub> = $\chi_{144}$	8	2	4	2	2	2	2	1	.	2	2	1	1	.
6928350 <sub>1</sub> = $\chi_{145}$	6	.	5	.	4	2	.	1	.	1	1	.	1	.
7407036 <sub>1</sub> = $\chi_{146}$	10	3	2	2	2	1	2	1	1	1	1	1	1	1
7407036 <sub>2</sub> = $\chi_{147}$	8	1	2	1	2	1	.	.	.	2	1	1	2	1
7759752 <sub>1</sub> = $\chi_{150}$	14	3	.	.	4	.	1	.	2	.	.	.	3	3
7759752 <sub>3</sub> = $\chi_{152}$	8	3	4	2	3	2	1	1	1	.	.	.	.	.
7759752 <sub>4</sub> = $\chi_{153}$	14	5	.	4	2	.	4	1	4	.	.	2	1	3
8162856 <sub>1</sub> = $\chi_{154}$	22	5	4	6	5	2	3	1	3	2	2	3	3	2
8162856 <sub>2</sub> = $\chi_{155}$	12	1	2	1	3	1	.	.	.	2	2	1	3	1
8314020 <sub>2</sub> = $\chi_{157}$	22	5	5	6	5	3	4	2	3	3	2	3	3	2
8314020 <sub>3</sub> = $\chi_{158}$	10	3	5	2	3	2	1	1	1	1	1	.	.	.
8356656 <sub>1</sub> = $\chi_{159}$	16	4	4	2	4	2	3	2	2	2	2	1	2	2
8868288 <sub>1</sub> = $\chi_{161}$	10	4	.	4	.	.	3	1	2	.	.	2	.	1
8953560 <sub>1</sub> = $\chi_{162}$	22	5	2	1	6	1	2	1	3	2	.	1	5	5
8953560 <sub>2</sub> = $\chi_{163}$	16	3	4	2	5	2	2	1	1	2	2	1	3	1
9593100 <sub>1</sub> = $\chi_{165}$	20	4	5	2	6	3	3	2	2	3	2	1	4	2
9699690 <sub>1</sub> = $\chi_{166}$	8	3	1	3	.	1	3	1	1	1	1	1	.	.
9976824 <sub>1</sub> = $\chi_{170}$	8	3	4	2	3	2	3	2	1	.	.	.	.	.
10203570 <sub>1</sub> = $\chi_{172}$	18	5	.	4	3	.	3	1	3	.	.	2	2	2
11110554 <sub>1</sub> = $\chi_{174}$	30	7	4	5	8	3	6	3	6	2	1	3	5	5
11639628 <sub>1</sub> = $\chi_{176}$	14	4	5	2	4	2	3	2	2	1	1	.	1	1
11639628 <sub>2</sub> = $\chi_{177}$	34	8	5	5	9	3	6	3	6	3	1	3	6	6
12345060 <sub>1</sub> = $\chi_{178}$	20	5	2	3	4	1	3	1	2	2	1	1	3	2
12597000 <sub>1</sub> = $\chi_{179}$	12	4	2	2	2	1	3	1	2	1	1	1	1	2
14244300 <sub>1</sub> = $\chi_{182}$	26	5	2	3	6	1	2	1	4	2	1	3	5	5
14284998 <sub>1</sub> = $\chi_{183}$	8	2	1	1	1	1	2	1	1	1	1	1	1	2
14965236 <sub>1</sub> = $\chi_{188}$	14	4	1	5	1	1	3	1	2	1	1	3	1	1
15116400 <sub>2</sub> = $\chi_{190}$	22	6	4	6	4	2	5	2	4	2	2	3	2	3
15116400 <sub>3</sub> = $\chi_{191}$	18	6	.	4	2	.	4	1	4	.	.	2	1	3
15261750 <sub>1</sub> = $\chi_{192}$	26	6	5	3	7	3	4	2	3	3	2	2	5	4
15872220 <sub>1</sub> = $\chi_{194}$	24	7	.	5	4	.	4	1	4	.	.	3	3	4
16116408 <sub>1</sub> = $\chi_{196}$	30	7	4	2	8	2	4	2	4	2	2	1	5	5
16628040 <sub>1</sub> = $\chi_{199}$	22	4	2	2	6	1	3	1	2	2	1	2	5	4
16628040 <sub>2</sub> = $\chi_{200}$	14	3	6	3	4	3	3	2	1	2	2	1	1	.
16628040 <sub>3</sub> = $\chi_{201}$	28	7	4	6	6	2	5	2	4	2	2	3	4	4



(Block 1:)	$\varphi_{23}$	$\varphi_{25}$	$\varphi_{28}$	$\varphi_{30}$	$\varphi_{34}$	$\varphi_{35}$	$\varphi_{36}$	$\varphi_{39}$	$\varphi_{40}$	$\varphi_{42}$	$\varphi_{47}$	$\varphi_{49}$	$\varphi_{51}$
6267492 <sub>1</sub> = $\chi_{134}$	1	1	1	.	1	.	.	.	.	.	.	.	.
6348888 <sub>1</sub> = $\chi_{135}$	.	.	1	.	1	.	.	.	.	1	.	.	.
6466460 <sub>1</sub> = $\chi_{137}$	1	.	1	.	1	1	1	.	.	.	1	1	.
6651216 <sub>3</sub> = $\chi_{140}$	.	1	.	.	.	2	.	2	.	.	.	.	.
6651216 <sub>4</sub> = $\chi_{141}$	1	1	1	.	1	.	.	.	.	.	.	.	.
6837264 <sub>1</sub> = $\chi_{144}$	1	.	1	.	1	.	.	.	.	1	.	.	.
6928350 <sub>1</sub> = $\chi_{145}$	2	.	1	.	.	.	2	.	.	.	1	.	.
7407036 <sub>1</sub> = $\chi_{146}$	1	.	1	.	1	1	.	1	.	1	.	.	.
7407036 <sub>2</sub> = $\chi_{147}$	1	.	2	1	1	1	1	.	.	.	1	1	.
7759752 <sub>1</sub> = $\chi_{150}$	2	.	.	1	.	2	1	1	1	.	.	.	.
7759752 <sub>3</sub> = $\chi_{152}$	1	.	.	.	.	1	1	1	.	.	.	.	.
7759752 <sub>4</sub> = $\chi_{153}$	.	1	.	.	.	1	.	.	1	.	.	.	.
8162856 <sub>1</sub> = $\chi_{154}$	2	1	1	1	1	.	.	.	.	.	.	.	.
8162856 <sub>2</sub> = $\chi_{155}$	2	.	2	1	1	1	2	.	.	.	2	1	.
8314020 <sub>2</sub> = $\chi_{157}$	2	1	1	1	1	.	.	.	.	.	.	.	.
8314020 <sub>3</sub> = $\chi_{158}$	1	.	1	.	.	1	1	1	.	.	1	.	.
8356656 <sub>1</sub> = $\chi_{159}$	2	.	1	.	1	1	.	1	.	1	.	.	.
8868288 <sub>1</sub> = $\chi_{161}$	.	1	.	.	.	2	.	2	.	1	.	.	.
8953560 <sub>1</sub> = $\chi_{162}$	2	.	1	1	.	3	1	1	1	.	.	.	.
8953560 <sub>2</sub> = $\chi_{163}$	3	.	1	1	1	1	1	1	.	1	.	.	.
9593100 <sub>1</sub> = $\chi_{165}$	3	.	1	1	1	1	1	1	.	1	.	.	.
9699690 <sub>1</sub> = $\chi_{166}$	.	.	1	.	1	1	.	1	.	1	1	1	.
9976824 <sub>1</sub> = $\chi_{170}$	1	.	.	.	.	1	1	1	.	1	.	.	.
10203570 <sub>1</sub> = $\chi_{172}$	2	1	.	.	.	3	1	3	.	1	.	.	.
11110554 <sub>1</sub> = $\chi_{174}$	3	1	.	1	.	2	1	1	1	.	.	.	.
11639628 <sub>1</sub> = $\chi_{176}$	2	.	1	.	.	2	2	2	.	1	1	.	.
11639628 <sub>2</sub> = $\chi_{177}$	3	1	1	1	.	3	1	1	1	.	.	.	.
12345060 <sub>1</sub> = $\chi_{178}$	2	.	2	1	1	3	1	2	.	1	1	1	.
12597000 <sub>1</sub> = $\chi_{179}$	1	.	1	.	1	1	.	1	1	1	.	.	.
14244300 <sub>1</sub> = $\chi_{182}$	3	1	1	1	.	3	2	2	1	.	1	.	.
14284998 <sub>1</sub> = $\chi_{183}$	1	.	1	.	1	2	1	1	1	1	1	1	.
14965236 <sub>1</sub> = $\chi_{188}$	1	1	1	.	1	2	1	2	.	1	1	1	.
15116400 <sub>2</sub> = $\chi_{190}$	2	1	1	.	1	1	.	1	1	1	.	.	.
15116400 <sub>3</sub> = $\chi_{191}$	1	1	.	.	.	3	.	3	1	1	.	.	.
15261750 <sub>1</sub> = $\chi_{192}$	3	.	1	1	1	2	1	1	1	1	.	.	.
15872220 <sub>1</sub> = $\chi_{194}$	2	1	.	.	.	4	1	3	1	1	.	.	.
16116408 <sub>1</sub> = $\chi_{196}$	4	.	1	1	1	3	1	2	1	1	.	.	.
16628040 <sub>1</sub> = $\chi_{199}$	3	.	2	1	1	3	2	1	1	1	1	1	.
16628040 <sub>2</sub> = $\chi_{200}$	2	.	2	.	1	1	2	1	.	1	2	1	.
16628040 <sub>3</sub> = $\chi_{201}$	3	1	1	1	1	2	1	1	1	1	.	.	.

(Block 1:)	$\varphi_{52}$	$\varphi_{53}$	$\varphi_{58}$
6267492 <sub>1</sub> = $\chi_{134}$	.	.	.
6348888 <sub>1</sub> = $\chi_{135}$	.	.	.
6466460 <sub>1</sub> = $\chi_{137}$	.	.	.
6651216 <sub>3</sub> = $\chi_{140}$	1	1	.
6651216 <sub>4</sub> = $\chi_{141}$	.	.	.
6837264 <sub>1</sub> = $\chi_{144}$	.	.	.
6928350 <sub>1</sub> = $\chi_{145}$	.	.	1
7407036 <sub>1</sub> = $\chi_{146}$	.	.	.
7407036 <sub>2</sub> = $\chi_{147}$	.	.	.
7759752 <sub>1</sub> = $\chi_{150}$	.	.	.
7759752 <sub>3</sub> = $\chi_{152}$	.	1	1
7759752 <sub>4</sub> = $\chi_{153}$	.	.	.
8162856 <sub>1</sub> = $\chi_{154}$	.	.	.
8162856 <sub>2</sub> = $\chi_{155}$	.	.	.
8314020 <sub>2</sub> = $\chi_{157}$	.	.	.
8314020 <sub>3</sub> = $\chi_{158}$	.	1	1
8356656 <sub>1</sub> = $\chi_{159}$	.	.	.
8868288 <sub>1</sub> = $\chi_{161}$	1	1	.
8953560 <sub>1</sub> = $\chi_{162}$	.	.	.
8953560 <sub>2</sub> = $\chi_{163}$	.	.	.
9593100 <sub>1</sub> = $\chi_{165}$	.	.	.
9699690 <sub>1</sub> = $\chi_{166}$	.	1	.
9976824 <sub>1</sub> = $\chi_{170}$	.	1	1
10203570 <sub>1</sub> = $\chi_{172}$	1	1	.
11110554 <sub>1</sub> = $\chi_{174}$	.	.	.
11639628 <sub>1</sub> = $\chi_{176}$	.	1	1
11639628 <sub>2</sub> = $\chi_{177}$	.	.	.
12345060 <sub>1</sub> = $\chi_{178}$	.	1	.
12597000 <sub>1</sub> = $\chi_{179}$	.	.	.
14244300 <sub>1</sub> = $\chi_{182}$	1	.	.
14284998 <sub>1</sub> = $\chi_{183}$	.	.	.
14965236 <sub>1</sub> = $\chi_{188}$	1	1	.
15116400 <sub>2</sub> = $\chi_{190}$	.	.	.
15116400 <sub>3</sub> = $\chi_{191}$	1	1	.
15261750 <sub>1</sub> = $\chi_{192}$	.	.	.
15872220 <sub>1</sub> = $\chi_{194}$	1	1	.
16116408 <sub>1</sub> = $\chi_{196}$	.	.	.
16628040 <sub>1</sub> = $\chi_{199}$	.	.	.
16628040 <sub>2</sub> = $\chi_{200}$	.	1	1
16628040 <sub>3</sub> = $\chi_{201}$	.	.	.

(Block 1:)	$\varphi_1$	$\varphi_3$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_9$	$\varphi_{11}$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{16}$	$\varphi_{18}$	$\varphi_{20}$	$\varphi_{21}$	$\varphi_{22}$
17459442 <sub>1</sub> = $\chi_{202}$	22	7	5	6	4	2	4	2	3	1	1	2	1	1
17635800 <sub>1</sub> = $\chi_{203}$	24	5	2	5	4	1	3	1	3	2	2	3	3	2
18106088 <sub>1</sub> = $\chi_{205}$	26	5	2	1	6	1	3	1	3	2	2	1	5	5
18106088 <sub>2</sub> = $\chi_{206}$	20	5	6	3	5	3	3	2	2	2	2	1	2	2
18366426 <sub>1</sub> = $\chi_{207}$	38	9	5	7	9	3	7	3	6	3	2	4	6	6
18653250 <sub>1</sub> = $\chi_{210}$	24	6	5	5	5	3	5	2	2	3	3	2	3	1
22447854 <sub>1</sub> = $\chi_{213}$	30	7	5	7	6	3	5	2	4	3	3	4	4	4
23094500 <sub>1</sub> = $\chi_{214}$	34	8	5	7	7	3	5	2	4	3	3	4	5	5
23279256 <sub>1</sub> = $\chi_{215}$	24	7	6	7	4	3	4	2	3	2	2	3	1	1
23279256 <sub>2</sub> = $\chi_{216}$	8	2	6	2	2	5	2	2	.	3	1	1	1	.
23279256 <sub>3</sub> = $\chi_{217}$	30	7	2	5	5	1	4	1	4	2	2	3	4	4
23279256 <sub>4</sub> = $\chi_{218}$	32	8	2	6	6	1	4	1	4	2	1	4	5	5
24186240 <sub>1</sub> = $\chi_{221}$	8	.	10	.	4	6	.	2	.	4	2	.	1	.
24942060 <sub>1</sub> = $\chi_{223}$	14	3	7	2	3	5	2	2	1	4	2	1	2	1
26453700 <sub>1</sub> = $\chi_{224}$	10	3	9	2	3	6	3	3	1	3	1	.	.	.
26453700 <sub>2</sub> = $\chi_{225}$	22	4	7	2	6	5	3	2	2	4	2	1	4	2
26604864 <sub>2</sub> = $\chi_{227}$	50	10	8	8	12	4	7	3	6	6	4	5	9	7
28569996 <sub>1</sub> = $\chi_{230}$	18	4	9	2	6	6	3	3	2	3	1	.	2	1
31081644 <sub>1</sub> = $\chi_{239}$	44	11	5	7	9	3	7	3	6	3	3	4	6	6
31744440 <sub>1</sub> = $\chi_{240}$	30	9	6	7	5	3	6	3	4	2	2	3	2	3
33331662 <sub>1</sub> = $\chi_{241}$	14	3	10	3	4	7	3	3	1	4	2	1	1	.
33426624 <sub>1</sub> = $\chi_{242}$	54	12	8	8	12	4	7	3	6	6	4	5	9	7
36732852 <sub>1</sub> = $\chi_{245}$	30	5	11	3	9	7	3	3	2	5	3	1	5	2
40738698 <sub>1</sub> = $\chi_{246}$	30	6	8	3	7	6	5	3	3	5	3	2	5	4
40738698 <sub>2</sub> = $\chi_{247}$	24	6	12	5	6	8	5	4	2	5	3	2	2	1
41570100 <sub>1</sub> = $\chi_{248}$	28	6	13	5	7	8	5	4	2	6	4	2	3	1
44089500 <sub>1</sub> = $\chi_{250}$	34	8	11	7	7	7	6	4	4	5	3	3	3	2
47006190 <sub>1</sub> = $\chi_{251}$	42	9	10	9	9	7	6	3	4	6	4	5	6	5
58198140 <sub>1</sub> = $\chi_{253}$	52	13	13	9	11	8	9	5	6	6	4	4	6	5
64664600 <sub>1</sub> = $\chi_{254}$	58	14	14	10	12	9	9	5	6	7	5	5	7	6

(Block 1:)	$\varphi_{23}$	$\varphi_{25}$	$\varphi_{28}$	$\varphi_{30}$	$\varphi_{34}$	$\varphi_{35}$	$\varphi_{36}$	$\varphi_{39}$	$\varphi_{40}$	$\varphi_{42}$	$\varphi_{47}$	$\varphi_{49}$	$\varphi_{51}$
17459442 <sub>1</sub> = $\chi_{202}$	2	1	1	.	.	3	2	3	.	1	1	.	.
17635800 <sub>1</sub> = $\chi_{203}$	3	1	2	1	1	3	2	3	.	1	2	1	.
18106088 <sub>1</sub> = $\chi_{205}$	4	.	2	1	1	4	3	2	1	1	2	1	.
18106088 <sub>2</sub> = $\chi_{206}$	3	.	2	.	1	3	3	2	.	1	2	1	.
18366426 <sub>1</sub> = $\chi_{207}$	4	1	1	1	1	3	1	2	1	1	.	.	.
18653250 <sub>1</sub> = $\chi_{210}$	3	.	2	1	2	2	1	2	.	2	1	1	.
22447854 <sub>1</sub> = $\chi_{213}$	3	1	2	1	2	2	1	1	1	1	1	1	.
23094500 <sub>1</sub> = $\chi_{214}$	4	1	2	1	2	3	2	1	1	1	1	1	.
23279256 <sub>1</sub> = $\chi_{215}$	2	1	2	.	1	3	2	3	.	1	2	1	.
23279256 <sub>2</sub> = $\chi_{216}$	1	.	1	1	1	.	.	.	.	1	.	.	1
23279256 <sub>3</sub> = $\chi_{217}$	3	1	2	1	1	4	2	3	1	1	2	1	.
23279256 <sub>4</sub> = $\chi_{218}$	3	1	2	1	1	5	2	3	1	1	1	1	.
24186240 <sub>1</sub> = $\chi_{221}$	2	.	2	1	.	.	2	.	.	.	2	.	1
24942060 <sub>1</sub> = $\chi_{223}$	2	.	2	1	1	1	1	1	.	1	1	.	1
26453700 <sub>1</sub> = $\chi_{224}$	1	.	1	.	.	1	1	1	.	1	1	.	1
26453700 <sub>2</sub> = $\chi_{225}$	3	.	2	2	1	1	1	1	.	1	1	.	1
26604864 <sub>2</sub> = $\chi_{227}$	6	1	4	2	2	4	3	2	1	1	2	1	.
28569996 <sub>1</sub> = $\chi_{230}$	3	.	1	1	.	2	2	2	.	1	1	.	1
31081644 <sub>1</sub> = $\chi_{239}$	5	1	2	1	2	5	2	4	1	2	1	1	.
31744440 <sub>1</sub> = $\chi_{240}$	3	1	2	.	1	5	3	4	1	2	2	1	.
33331662 <sub>1</sub> = $\chi_{241}$	2	.	2	1	1	1	2	1	.	1	2	1	1
33426624 <sub>1</sub> = $\chi_{242}$	6	1	4	2	2	6	3	4	1	2	2	1	.
36732852 <sub>1</sub> = $\chi_{245}$	5	.	3	2	1	3	4	2	.	1	3	1	1
40738698 <sub>1</sub> = $\chi_{246}$	4	.	3	2	2	3	2	2	1	2	2	1	1
40738698 <sub>2</sub> = $\chi_{247}$	3	.	3	1	2	2	2	2	.	2	2	1	1
41570100 <sub>1</sub> = $\chi_{248}$	4	.	4	1	2	2	3	2	.	2	3	1	1
44089500 <sub>1</sub> = $\chi_{250}$	4	1	3	1	1	4	3	4	.	2	3	1	1
47006190 <sub>1</sub> = $\chi_{251}$	5	1	4	2	3	3	2	2	1	2	2	1	1
58198140 <sub>1</sub> = $\chi_{253}$	6	1	4	2	2	6	4	5	1	3	3	1	1
64664600 <sub>1</sub> = $\chi_{254}$	7	1	5	2	3	7	5	5	1	3	4	2	1

<b>(Block 1:)</b>	$\varphi_{52}$	$\varphi_{53}$	$\varphi_{58}$	
$17459442_1 = \chi_{202}$	1	2	1	$\varphi_1 = 1_1$
$17635800_1 = \chi_{203}$	1	1	.	$\varphi_3 = 152_1$
$18106088_1 = \chi_{205}$	.	.	.	$\varphi_5 = 1462_1$
$18106088_2 = \chi_{206}$	.	1	1	$\varphi_6 = 2906_1$
$18366426_1 = \chi_{207}$	.	.	.	$\varphi_7 = 4522_1$
$18653250_1 = \chi_{210}$	.	1	.	$\varphi_9 = 23086_1$
$22447854_1 = \chi_{213}$	.	.	.	$\varphi_{11} = 15504_1$
$23094500_1 = \chi_{214}$	.	.	.	$\varphi_{12} = 41344_1$
$23279256_1 = \chi_{215}$	1	2	1	$\varphi_{13} = 65092_1$
$23279256_2 = \chi_{216}$	.	.	.	$\varphi_{16} = 69768_1$
$23279256_3 = \chi_{217}$	1	1	.	$\varphi_{18} = 165852_1$
$23279256_4 = \chi_{218}$	1	1	.	$\varphi_{20} = 22288_1$
$24186240_1 = \chi_{221}$	.	.	1	$\varphi_{21} = 79456_1$
$24942060_1 = \chi_{223}$	.	.	.	$\varphi_{22} = 339150_1$
$26453700_1 = \chi_{224}$	.	1	1	$\varphi_{23} = 138242_1$
$26453700_2 = \chi_{225}$	.	.	.	$\varphi_{25} = 1432828_1$
$26604864_2 = \chi_{227}$	.	.	.	$\varphi_{28} = 4352_1$
$28569996_1 = \chi_{230}$	.	1	1	$\varphi_{30} = 781014_1$
$31081644_1 = \chi_{239}$	1	1	.	$\varphi_{34} = 3837426_1$
$31744440_1 = \chi_{240}$	1	2	1	$\varphi_{35} = 30208_1$
$33331662_1 = \chi_{241}$	.	1	1	$\varphi_{36} = 54912_1$
$33426624_1 = \chi_{242}$	1	1	.	$\varphi_{39} = 396798_1$
$36732852_1 = \chi_{245}$	.	1	1	$\varphi_{40} = 4770064_1$
$40738698_1 = \chi_{246}$	.	.	.	$\varphi_{42} = 2144720_1$
$40738698_2 = \chi_{247}$	.	1	1	$\varphi_{47} = 312832_1$
$41570100_1 = \chi_{248}$	.	1	1	$\varphi_{49} = 1379840_1$
$44089500_1 = \chi_{250}$	1	2	1	$\varphi_{51} = 15643536_1$
$47006190_1 = \chi_{251}$	.	.	.	$\varphi_{52} = 2673792_1$
$58198140_1 = \chi_{253}$	1	2	1	$\varphi_{53} = 1148928_1$
$64664600_1 = \chi_{254}$	1	2	1	$\varphi_{58} = 5796862_1$

<b>Block 2:</b>	$\varphi_2$	$\varphi_4$	$\varphi_8$	$\varphi_{10}$	$\varphi_{14}$	$\varphi_{15}$	$\varphi_{17}$	$\varphi_{19}$	$\varphi_{24}$	$\varphi_{26}$	$\varphi_{27}$	$\varphi_{29}$	$\varphi_{31}$
$18_1 = \chi_2$	1	.	.	.	.	.	.	.	.	.	.	.	.
$798_1 = \chi_5$	1	1	.	.	.	.	.	.	.	.	.	.	.
$816_1 = \chi_6$	2	1	.	.	.	.	.	.	.	.	.	.	.
$7752_1 = \chi_{11}$	.	1	1	.	.	.	.	.	.	.	.	.	.
$8568_1 = \chi_{12}$	2	2	1	.	.	.	.	.	.	.	.	.	.
$16796_1 = \chi_{16}$	.	1	.	.	.	1	.	.	.	1	1	.	.
$23256_1 = \chi_{18}$	.	1	1	.	.	1	.	.	.	.	.	.	.
$24310_1 = \chi_{19}$	1	2	1	.	.	1	.	.	.	1	.	.	.
$24310_2 = \chi_{20}$	1	2	1	.	.	1	.	.	.	.	1	.	.
$31824_1 = \chi_{22}$	2	3	2	.	.	1	.	.	.	.	.	.	.
$40698_1 = \chi_{25}$	1	1	1	1	.	.	.	.	.	.	.	.	.
$41496_1 = \chi_{26}$	2	2	1	1	.	.	.	.	.	.	.	.	.
$49248_1 = \chi_{28}$	2	3	2	1	.	.	.	.	.	.	.	.	.
$277134_1 = \chi_{42}$	3	2	2	1	1	.	.	.	.	.	.	.	.
$372096_1 = \chi_{45}$	.	.	.	.	.	.	1	.	.	.	.	.	.
$403104_1 = \chi_{47}$	.	2	2	.	.	1	1	.	.	.	.	.	.
$421344_1 = \chi_{49}$	2	3	2	1	.	.	1	.	.	.	.	.	.
$444600_1 = \chi_{50}$	2	4	3	1	.	1	1	.	.	.	.	.	.
$596904_1 = \chi_{57}$	2	2	1	.	1	1	.	1	.	.	.	.	.
$604656_1 = \chi_{58}$	2	3	2	.	1	1	.	1	.	.	.	.	.
$755820_1 = \chi_{62}$	2	1	1	1	.	1	.	.	.	1	1	1	.
$795872_1 = \chi_{64}$	2	3	2	1	.	3	.	.	.	2	2	1	.
$976752_1 = \chi_{69}$	2	3	2	.	1	1	1	1	.	.	.	.	.
$1017450_1 = \chi_{70}$	3	4	3	1	1	1	1	1	.	.	.	.	.
$1108536_1 = \chi_{72}$	2	1	.	.	.	1	.	1	.	1	1	.	.
$1200420_1 = \chi_{74}$	4	5	4	2	.	2	1	.	.	1	1	1	.
$1217216_1 = \chi_{75}$	4	6	4	2	.	3	1	.	.	2	2	1	.
$1410864_1 = \chi_{79}$	2	.	1	2	.	.	.	.	.	.	.	1	.
$1410864_2 = \chi_{80}$	2	1	.	.	.	1	.	.	1	1	1	.	.
$1627920_1 = \chi_{85}$	4	6	3	.	.	3	.	1	.	2	2	.	.
$1662804_1 = \chi_{86}$	2	.	.	1	.	.	.	.	.	1	1	1	.
$1790712_2 = \chi_{90}$	2	1	2	2	.	.	1	.	.	.	.	1	.
$2217072_1 = \chi_{97}$	2	3	2	.	1	2	1	1	1	.	.	.	.
$2441880_1 = \chi_{99}$	4	2	2	2	.	2	.	.	.	2	2	2	.
$2494206_1 = \chi_{100}$	5	5	4	1	2	2	1	1	1	.	.	.	.
$2586584_1 = \chi_{102}$	4	4	4	3	.	3	1	.	.	2	2	2	.
$3038784_1 = \chi_{106}$	6	6	4	2	.	3	.	1	.	2	2	1	.
$3325608_1 = \chi_{107}$	4	2	1	1	.	2	.	.	1	2	2	1	1
$3391500_1 = \chi_{112}$	4	2	2	1	1	2	.	.	1	1	1	1	1
$3410880_1 = \chi_{113}$	6	6	4	2	.	3	1	1	.	2	2	1	.



(Block 2:)	$\varphi_{60}$
$18_1 = \chi_2$	.
$798_1 = \chi_5$	.
$816_1 = \chi_6$	.
$7752_1 = \chi_{11}$	.
$8568_1 = \chi_{12}$	.
$16796_1 = \chi_{16}$	.
$23256_1 = \chi_{18}$	.
$24310_1 = \chi_{19}$	.
$24310_2 = \chi_{20}$	.
$31824_1 = \chi_{22}$	.
$40698_1 = \chi_{25}$	.
$41496_1 = \chi_{26}$	.
$49248_1 = \chi_{28}$	.
$277134_1 = \chi_{42}$	.
$372096_1 = \chi_{45}$	.
$403104_1 = \chi_{47}$	.
$421344_1 = \chi_{49}$	.
$444600_1 = \chi_{50}$	.
$596904_1 = \chi_{57}$	.
$604656_1 = \chi_{58}$	.
$755820_1 = \chi_{62}$	.
$795872_1 = \chi_{64}$	.
$976752_1 = \chi_{69}$	.
$1017450_1 = \chi_{70}$	.
$1108536_1 = \chi_{72}$	.
$1200420_1 = \chi_{74}$	.
$1217216_1 = \chi_{75}$	.
$1410864_1 = \chi_{79}$	.
$1410864_2 = \chi_{80}$	.
$1627920_1 = \chi_{85}$	.
$1662804_1 = \chi_{86}$	.
$1790712_2 = \chi_{90}$	.
$2217072_1 = \chi_{97}$	.
$2441880_1 = \chi_{99}$	.
$2494206_1 = \chi_{100}$	.
$2586584_1 = \chi_{102}$	.
$3038784_1 = \chi_{106}$	.
$3325608_1 = \chi_{107}$	.
$3391500_1 = \chi_{112}$	.
$3410880_1 = \chi_{113}$	.



(Block 2:)	$\varphi_2$	$\varphi_4$	$\varphi_8$	$\varphi_{10}$	$\varphi_{14}$	$\varphi_{15}$	$\varphi_{17}$	$\varphi_{19}$	$\varphi_{24}$	$\varphi_{26}$	$\varphi_{27}$	$\varphi_{29}$	$\varphi_{31}$
4232592 <sub>1</sub> = $\chi_{117}$	2	3	2	.	.	3	.	.	1	3	3	.	1
4232592 <sub>2</sub> = $\chi_{118}$	6	3	4	4	.	2	1	.	.	2	2	3	.
4263600 <sub>1</sub> = $\chi_{119}$	6	7	4	.	1	4	.	1	1	2	2	.	1
4408950 <sub>1</sub> = $\chi_{120}$	7	6	5	2	2	3	1	1	1	1	1	1	1
4434144 <sub>1</sub> = $\chi_{121}$	4	3	2	1	.	3	.	1	.	4	4	1	.
4526522 <sub>1</sub> = $\chi_{122}$	5	5	3	.	1	3	.	1	1	2	2	.	1
4526522 <sub>2</sub> = $\chi_{123}$	5	5	3	.	1	3	.	1	1	2	2	.	1
4837248 <sub>1</sub> = $\chi_{124}$	8	8	4	.	2	4	.	2	1	2	2	.	1
5038800 <sub>1</sub> = $\chi_{126}$	4	1	.	.	1	1	.	1	1	1	1	.	.
5542680 <sub>1</sub> = $\chi_{127}$	6	4	2	.	1	.	.	.	.	.	.	.	.
5651208 <sub>1</sub> = $\chi_{128}$	8	6	4	2	1	3	.	1	1	2	2	1	1
5819814 <sub>3</sub> = $\chi_{132}$	9	7	5	2	2	4	1	1	2	2	2	1	1
5878600 <sub>1</sub> = $\chi_{133}$	4	2	2	1	.	2	.	.	1	3	3	1	1
6348888 <sub>2</sub> = $\chi_{136}$	6	4	3	2	.	4	.	1	.	5	5	2	1
6651216 <sub>1</sub> = $\chi_{138}$	8	5	2	.	1	1	.	1	.	1	1	.	.
6651216 <sub>2</sub> = $\chi_{139}$	6	4	3	2	.	4	.	.	1	5	5	2	1
6651216 <sub>5</sub> = $\chi_{142}$	10	10	7	2	2	5	1	2	1	2	2	1	1
6802380 <sub>1</sub> = $\chi_{143}$	10	8	6	3	1	5	1	1	1	3	3	2	1
7407036 <sub>3</sub> = $\chi_{148}$	12	11	8	3	2	6	1	2	1	3	3	2	1
7674480 <sub>1</sub> = $\chi_{149}$	6	2	1	.	2	2	.	1	2	1	1	.	1
7759752 <sub>2</sub> = $\chi_{151}$	8	4	3	2	1	2	.	.	1	2	2	1	1
8314020 <sub>1</sub> = $\chi_{156}$	8	7	4	.	1	3	.	1	.	3	3	.	.
8465184 <sub>1</sub> = $\chi_{160}$	4	6	4	.	.	2	1	.	.	2	2	.	.
9523332 <sub>1</sub> = $\chi_{164}$	6	3	2	1	1	3	.	1	1	4	4	1	1
9699690 <sub>2</sub> = $\chi_{167}$	3	2	1	1	.	.	.	.	.	1	1	.	.
9699690 <sub>3</sub> = $\chi_{168}$	3	2	1	1	.	.	.	.	.	1	1	.	.
9876048 <sub>1</sub> = $\chi_{169}$	6	6	5	2	.	2	1	.	.	2	2	1	.
9976824 <sub>2</sub> = $\chi_{171}$	10	7	5	2	2	4	1	1	2	2	2	1	1
10581480 <sub>1</sub> = $\chi_{173}$	10	5	2	.	2	1	.	1	1	1	1	.	.
11286912 <sub>1</sub> = $\chi_{175}$	4	8	6	.	.	4	1	.	.	4	4	.	1
13302432 <sub>1</sub> = $\chi_{180}$	14	9	6	3	2	6	1	1	3	4	4	2	2
13302432 <sub>2</sub> = $\chi_{181}$	16	14	10	4	2	9	1	2	2	7	7	3	2
14325696 <sub>1</sub> = $\chi_{184}$	12	6	4	2	2	6	.	1	3	6	6	2	2
14325696 <sub>2</sub> = $\chi_{185}$	10	14	10	2	.	7	1	1	.	6	6	1	1
14511744 <sub>1</sub> = $\chi_{186}$	12	8	4	.	2	4	.	2	1	4	4	.	1
14814072 <sub>1</sub> = $\chi_{187}$	12	8	4	.	2	4	.	1	2	4	4	.	1
15116400 <sub>1</sub> = $\chi_{189}$	10	9	8	4	.	5	1	.	.	6	6	3	1
15519504 <sub>1</sub> = $\chi_{193}$	8	9	6	.	1	3	1	1	.	3	3	.	.
15988500 <sub>1</sub> = $\chi_{195}$	12	14	10	3	.	7	1	1	.	7	7	2	1
16325712 <sub>1</sub> = $\chi_{197}$	8	9	6	.	1	5	1	1	1	5	5	.	1

(Block 2:)	$\varphi_{32}$	$\varphi_{33}$	$\varphi_{37}$	$\varphi_{38}$	$\varphi_{41}$	$\varphi_{44}$	$\varphi_{45}$	$\varphi_{46}$	$\varphi_{48}$	$\varphi_{50}$	$\varphi_{56}$	$\varphi_{57}$	$\varphi_{59}$
4232592 <sub>1</sub> = $\chi_{117}$	.	1	1	1	.	.	1	1	.	.	.	.	.
4232592 <sub>2</sub> = $\chi_{118}$	2	.	.	.	.	1	.	.	.	.	.	.	.
4263600 <sub>1</sub> = $\chi_{119}$	.	1	.	.	.	.	.	.	.	.	.	.	.
4408950 <sub>1</sub> = $\chi_{120}$	.	.	.	.	.	.	.	.	.	.	.	.	.
4434144 <sub>1</sub> = $\chi_{121}$	1	1	.	.	.	1	1	1	1	.	.	.	.
4526522 <sub>1</sub> = $\chi_{122}$	.	1	.	1	.	.	1	.	.	.	.	.	.
4526522 <sub>2</sub> = $\chi_{123}$	.	1	1	.	.	.	.	1	.	.	.	.	.
4837248 <sub>1</sub> = $\chi_{124}$	.	1	.	.	.	.	.	.	.	.	.	.	.
5038800 <sub>1</sub> = $\chi_{126}$	.	.	1	1	1	.	.	.	1	.	.	.	.
5542680 <sub>1</sub> = $\chi_{127}$	.	.	1	1	1	.	.	.	.	.	1	1	.
5651208 <sub>1</sub> = $\chi_{128}$	1	1	.	.	.	.	.	.	.	.	.	.	.
5819814 <sub>3</sub> = $\chi_{132}$	.	.	1	1	.	.	.	.	.	.	.	.	.
5878600 <sub>1</sub> = $\chi_{133}$	1	1	1	1	.	1	1	1	.	.	.	.	.
6348888 <sub>2</sub> = $\chi_{136}$	1	1	.	.	.	1	1	1	1	.	.	.	.
6651216 <sub>1</sub> = $\chi_{138}$	.	.	1	1	1	.	.	.	1	.	1	1	.
6651216 <sub>2</sub> = $\chi_{139}$	1	1	1	1	.	1	1	1	.	.	.	.	.
6651216 <sub>5</sub> = $\chi_{142}$	1	1	.	.	.	.	.	.	.	.	.	.	.
6802380 <sub>1</sub> = $\chi_{143}$	1	1	.	.	.	.	.	.	.	.	.	.	.
7407036 <sub>3</sub> = $\chi_{148}$	1	1	.	.	.	.	.	.	.	.	.	.	.
7674480 <sub>1</sub> = $\chi_{149}$	.	.	1	1	1	.	.	.	1	.	.	.	.
7759752 <sub>2</sub> = $\chi_{151}$	1	1	1	1	1	.	.	.	.	.	.	.	.
8314020 <sub>1</sub> = $\chi_{156}$	.	1	1	1	1	.	1	1	1	.	1	1	.
8465184 <sub>1</sub> = $\chi_{160}$	.	1	.	.	.	.	.	.	.	1	.	.	.
9523332 <sub>1</sub> = $\chi_{164}$	1	1	1	1	1	1	1	1	1	.	.	.	.
9699690 <sub>2</sub> = $\chi_{167}$	1	.	.	.	.	1	.	.	.	.	.	.	.
9699690 <sub>3</sub> = $\chi_{168}$	1	.	.	.	.	1	.	.	.	.	.	.	1
9876048 <sub>1</sub> = $\chi_{169}$	1	1	.	.	.	.	.	.	.	1	.	.	.
9976824 <sub>2</sub> = $\chi_{171}$	1	1	1	1	1	.	.	.	.	.	.	.	.
10581480 <sub>1</sub> = $\chi_{173}$	.	.	2	2	2	.	.	.	1	.	1	1	.
11286912 <sub>1</sub> = $\chi_{175}$	.	2	.	.	.	.	1	1	.	1	.	.	.
13302432 <sub>1</sub> = $\chi_{180}$	1	1	2	2	1	.	.	.	.	.	.	.	.
13302432 <sub>2</sub> = $\chi_{181}$	2	2	1	1	.	1	1	1	.	.	.	.	.
14325696 <sub>1</sub> = $\chi_{184}$	1	1	2	2	1	1	1	1	1	.	.	.	.
14325696 <sub>2</sub> = $\chi_{185}$	1	3	.	.	.	.	1	1	.	1	.	.	.
14511744 <sub>1</sub> = $\chi_{186}$	.	1	2	2	2	.	1	1	2	.	1	1	.
14814072 <sub>1</sub> = $\chi_{187}$	.	1	3	3	2	.	1	1	1	.	1	1	.
15116400 <sub>1</sub> = $\chi_{189}$	2	2	.	.	.	1	1	1	.	1	.	.	.
15519504 <sub>1</sub> = $\chi_{193}$	.	1	1	1	1	.	1	1	1	1	1	1	.
15988500 <sub>1</sub> = $\chi_{195}$	2	3	.	.	.	1	1	1	.	1	.	.	.
16325712 <sub>1</sub> = $\chi_{197}$	.	2	1	1	1	.	1	1	1	1	.	.	.

<b>(Block 2:)</b>	$\varphi_{60}$
4232592 <sub>1</sub> = $\chi_{117}$	.
4232592 <sub>2</sub> = $\chi_{118}$	.
4263600 <sub>1</sub> = $\chi_{119}$	.
4408950 <sub>1</sub> = $\chi_{120}$	.
4434144 <sub>1</sub> = $\chi_{121}$	.
4526522 <sub>1</sub> = $\chi_{122}$	.
4526522 <sub>2</sub> = $\chi_{123}$	.
4837248 <sub>1</sub> = $\chi_{124}$	.
5038800 <sub>1</sub> = $\chi_{126}$	.
5542680 <sub>1</sub> = $\chi_{127}$	.
5651208 <sub>1</sub> = $\chi_{128}$	.
5819814 <sub>3</sub> = $\chi_{132}$	.
5878600 <sub>1</sub> = $\chi_{133}$	.
6348888 <sub>2</sub> = $\chi_{136}$	.
6651216 <sub>1</sub> = $\chi_{138}$	.
6651216 <sub>2</sub> = $\chi_{139}$	.
6651216 <sub>5</sub> = $\chi_{142}$	.
6802380 <sub>1</sub> = $\chi_{143}$	.
7407036 <sub>3</sub> = $\chi_{148}$	.
7674480 <sub>1</sub> = $\chi_{149}$	.
7759752 <sub>2</sub> = $\chi_{151}$	.
8314020 <sub>1</sub> = $\chi_{156}$	.
8465184 <sub>1</sub> = $\chi_{160}$	.
9523332 <sub>1</sub> = $\chi_{164}$	.
9699690 <sub>2</sub> = $\chi_{167}$	1
9699690 <sub>3</sub> = $\chi_{168}$	.
9876048 <sub>1</sub> = $\chi_{169}$	.
9976824 <sub>2</sub> = $\chi_{171}$	.
10581480 <sub>1</sub> = $\chi_{173}$	.
11286912 <sub>1</sub> = $\chi_{175}$	.
13302432 <sub>1</sub> = $\chi_{180}$	.
13302432 <sub>2</sub> = $\chi_{181}$	.
14325696 <sub>1</sub> = $\chi_{184}$	.
14325696 <sub>2</sub> = $\chi_{185}$	.
14511744 <sub>1</sub> = $\chi_{186}$	.
14814072 <sub>1</sub> = $\chi_{187}$	.
15116400 <sub>1</sub> = $\chi_{189}$	.
15519504 <sub>1</sub> = $\chi_{193}$	.
15988500 <sub>1</sub> = $\chi_{195}$	.
16325712 <sub>1</sub> = $\chi_{197}$	.

(Block 2:)	$\varphi_2$	$\varphi_4$	$\varphi_8$	$\varphi_{10}$	$\varphi_{14}$	$\varphi_{15}$	$\varphi_{17}$	$\varphi_{19}$	$\varphi_{24}$	$\varphi_{26}$	$\varphi_{27}$	$\varphi_{29}$	$\varphi_{31}$
$16325712_2 = \chi_{198}$	16	11	8	4	2	8	1	2	2	7	7	3	2
$17736576_1 = \chi_{204}$	18	12	8	4	2	9	1	2	3	8	8	3	2
$18366426_2 = \chi_{208}$	5	7	5	1	.	2	1	.	.	3	3	.	.
$18366426_3 = \chi_{209}$	5	7	5	1	.	2	1	.	.	3	3	.	.
$19399380_1 = \chi_{211}$	12	9	7	3	1	5	1	1	1	6	6	2	1
$21976920_1 = \chi_{212}$	16	15	10	2	2	8	1	2	2	7	7	1	2
$23279256_5 = \chi_{219}$	16	13	9	2	2	5	1	1	1	5	5	1	1
$24418800_1 = \chi_{222}$	20	17	12	4	2	10	1	2	2	9	9	3	2
$26604864_1 = \chi_{226}$	6	6	4	2	.	.	1	.	.	2	2	.	.
$27713400_1 = \chi_{228}$	20	16	11	3	2	8	1	2	1	9	9	2	1
$27855520_1 = \chi_{229}$	20	17	12	3	2	10	1	2	3	10	10	2	3
$28651392_1 = \chi_{231}$	22	20	14	4	2	13	1	2	3	12	12	3	3
$29393000_1 = \chi_{234}$	14	12	8	2	1	5	1	1	1	7	7	1	1
$29393000_2 = \chi_{235}$	14	12	8	2	1	5	1	1	1	7	7	1	1
$29930472_1 = \chi_{236}$	8	8	6	3	.	2	1	.	.	5	5	1	.
$31039008_1 = \chi_{237}$	10	9	6	3	.	3	1	1	.	6	6	1	.
$31039008_2 = \chi_{238}$	24	18	12	4	2	10	1	2	2	11	11	3	2
$34918884_1 = \chi_{244}$	14	13	8	2	1	3	1	1	.	5	5	.	.
$42325920_1 = \chi_{249}$	14	17	12	3	.	7	2	1	.	10	10	1	1
$52907400_1 = \chi_{252}$	24	22	14	3	2	8	2	2	1	11	11	1	1

(Block 2:)	$\varphi_{32}$	$\varphi_{33}$	$\varphi_{37}$	$\varphi_{38}$	$\varphi_{41}$	$\varphi_{44}$	$\varphi_{45}$	$\varphi_{46}$	$\varphi_{48}$	$\varphi_{50}$	$\varphi_{56}$	$\varphi_{57}$	$\varphi_{59}$
$16325712_2 = \chi_{198}$	2	2	1	1	1	1	1	1	1	.	.	.	.
$17736576_1 = \chi_{204}$	2	2	2	2	1	1	1	1	1	.	.	.	.
$18366426_2 = \chi_{208}$	1	1	.	.	.	1	1	.	.	1	.	.	.
$18366426_3 = \chi_{209}$	1	1	.	.	.	1	.	1	.	1	.	.	1
$19399380_1 = \chi_{211}$	2	2	1	1	1	1	1	1	1	1	.	.	.
$21976920_1 = \chi_{212}$	1	3	1	1	1	.	1	1	1	1	.	.	.
$23279256_5 = \chi_{219}$	1	2	2	2	2	.	1	1	1	1	1	1	.
$24418800_1 = \chi_{222}$	2	3	1	1	1	1	1	1	1	1	.	.	.
$26604864_1 = \chi_{226}$	2	.	.	.	.	2	.	.	.	1	.	.	1
$27713400_1 = \chi_{228}$	2	3	2	2	2	1	2	2	2	1	1	1	.
$27855520_1 = \chi_{229}$	2	4	2	2	1	1	2	2	1	1	.	.	.
$28651392_1 = \chi_{231}$	2	4	2	2	1	1	2	2	1	1	.	.	.
$29393000_1 = \chi_{234}$	2	2	2	1	1	2	1	2	1	1	.	1	1
$29393000_2 = \chi_{235}$	2	2	1	2	1	2	2	1	1	1	1	.	.
$29930472_1 = \chi_{236}$	3	1	.	.	.	3	1	1	.	1	.	.	1
$31039008_1 = \chi_{237}$	3	1	.	.	.	3	1	1	1	1	.	.	1
$31039008_2 = \chi_{238}$	2	3	3	3	2	1	2	2	2	1	1	1	.
$34918884_1 = \chi_{244}$	2	1	1	1	1	2	1	1	1	1	1	1	1
$42325920_1 = \chi_{249}$	3	3	.	.	.	3	2	2	1	2	.	.	1
$52907400_1 = \chi_{252}$	3	3	2	2	2	3	2	2	2	2	1	1	1

(Block 2:)	$\varphi_{60}$	
$16325712_2 = \chi_{198}$	.	$\varphi_2 = 18_1$
$17736576_1 = \chi_{204}$	.	$\varphi_4 = 780_1$
$18366426_2 = \chi_{208}$	1	$\varphi_8 = 6972_1$
$18366426_3 = \chi_{209}$	.	$\varphi_{10} = 32928_1$
$19399380_1 = \chi_{211}$	.	$\varphi_{14} = 228648_1$
$21976920_1 = \chi_{212}$	.	$\varphi_{15} = 15504_2$
$23279256_5 = \chi_{219}$	.	$\varphi_{17} = 372096_1$
$24418800_1 = \chi_{222}$	.	$\varphi_{19} = 344184_1$
$26604864_1 = \chi_{226}$	1	$\varphi_{24} = 1224816_1$
$27713400_1 = \chi_{228}$	.	$\varphi_{26} = 256_1$
$27855520_1 = \chi_{229}$	.	$\varphi_{27} = 256_2$
$28651392_1 = \chi_{231}$	.	$\varphi_{29} = 699088_1$
$29393000_1 = \chi_{234}$	.	$\varphi_{31} = 1158924_1$
$29393000_2 = \chi_{235}$	1	$\varphi_{32} = 638912_1$
$29930472_1 = \chi_{236}$	1	$\varphi_{33} = 1210532_1$
$31039008_1 = \chi_{237}$	1	$\varphi_{37} = 84608_1$
$31039008_2 = \chi_{238}$	.	$\varphi_{38} = 84608_2$
$34918884_1 = \chi_{244}$	1	$\varphi_{41} = 2307548_1$
$42325920_1 = \chi_{249}$	1	$\varphi_{44} = 291328_1$
$52907400_1 = \chi_{252}$	1	$\varphi_{45} = 202368_1$
		$\varphi_{46} = 202368_2$
		$\varphi_{48} = 747520_1$
		$\varphi_{50} = 6817884_1$
		$\varphi_{56} = 1410048_1$
		$\varphi_{57} = 1410048_2$
		$\varphi_{59} = 8727424_1$
		$\varphi_{60} = 8727424_2$

Block 3:	$\varphi_{43}$	$\varphi_{54}$	$\varphi_{55}$	
$23814144_1 = \chi_{220}$	1	.	.	$\varphi_{43} = 23814144_1$
$29106176_1 = \chi_{232}$	1	.	1	$\varphi_{54} = 5292032_1$
$29106176_2 = \chi_{233}$	1	1	.	$\varphi_{55} = 5292032_2$
$34398208_1 = \chi_{243}$	1	1	1	