

$A_{16} \pmod{2}$

	blocks	defect	matrix
$G :$	1	14	$100 \times 27$
	2	7	$18 \times 7$
	3	3	$5 \times 3$

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_8$	$\varphi_{10}$	$\varphi_{11}$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{14}$	$\varphi_{15}$
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$15_1 = \chi_2$	1	1	.	.	.	.	.	.	.	.	.	.	.	.
$104_1 = \chi_3$	.	1	.	.	1	.	.	.	.	.	.	.	.	.
$105_1 = \chi_4$	1	1	.	.	1	.	.	.	.	.	.	.	.	.
$440_1 = \chi_5$	.	1	.	.	1	1	.	.	.	.	.	.	.	.
$455_1 = \chi_6$	1	2	.	.	1	1	.	.	.	.	.	.	.	.
$1260_1 = \chi_8$	.	1	.	.	.	1	.	.	1	.	.	.	.	.
$1365_1 = \chi_9$	1	2	.	.	1	1	.	.	1	.	.	.	.	.
$1430_1 = \chi_{10}$	.	1	1	1	.	.	.	.	.	1	.	.	.	.
$2548_1 = \chi_{11}$	.	1	.	.	.	1	.	.	1	1	.	.	.	.
$2640_1 = \chi_{12}$	2	.	.	.	1	.	.	.	.	.	.	1	.	.
$3003_1 = \chi_{13}$	1	3	.	.	1	2	.	.	1	1	.	.	.	.
$3432_1 = \chi_{14}$	.	1	1	1	1	.	.	.	.	1	1	.	.	.
$3640_1 = \chi_{15}$	.	1	.	.	1	1	.	.	.	1	1	.	.	.
$3900_1 = \chi_{16}$	2	1	.	.	1	1	.	.	1	.	.	1	.	.
$4004_1 = \chi_{17}$	2	2	.	.	2	1	.	.	1	.	.	1	.	.
$5005_1 = \chi_{18}$	1	3	.	.	2	2	.	.	1	1	1	.	.	.
$6435_1 = \chi_{19}$	1	4	1	1	2	2	.	.	1	2	1	.	.	.
$12012_1 = \chi_{22}$	.	2	.	.	.	1	.	.	.	.	.	.	.	.
$12012_2 = \chi_{23}$	.	2	.	.	.	1	.	.	.	.	.	.	.	.
$13860_1 = \chi_{24}$	2	2	.	.	.	1	.	.	1	1	.	1	.	1
$14300_1 = \chi_{25}$	2	3	.	.	1	2	.	.	1	1	.	1	.	1
$16848_1 = \chi_{26}$	2	4	.	.	1	3	.	.	2	2	.	1	.	1
$18018_1 = \chi_{27}$	2	1	1	1	1	.	1	1	.	1	1	.	.	.
$20020_1 = \chi_{28}$	2	1	.	.	1	1	.	.	1	1	1	1	.	.
$21021_1 = \chi_{29}$	3	2	.	1	2	1	.	1	1	1	1	1	.	.
$21021_2 = \chi_{30}$	3	2	1	.	2	1	1	.	1	1	1	1	.	.
$21840_1 = \chi_{31}$	2	2	.	.	2	1	.	.	.	1	1	.	.	1
$23100_1 = \chi_{32}$	2	3	.	.	2	2	.	.	1	1	1	.	.	1
$24024_1 = \chi_{33}$	4	3	.	.	3	2	.	.	2	1	1	2	.	.
$30030_1 = \chi_{35}$	2	.	.	.	1	.	1	1	.	.	1	.	1	.
$32032_1 = \chi_{36}$	2	.	.	.	2	.	1	1	.	.	2	.	1	.
$36036_1 = \chi_{37}$	2	1	1	1	.	.	.	.	.	1	.	.	.	1
$38220_1 = \chi_{39}$	4	2	.	.	2	1	.	.	1	1	1	1	.	1
$42120_1 = \chi_{40}$	6	3	.	.	3	2	.	.	2	1	1	2	.	1
$43120_1 = \chi_{41}$	4	4	.	.	3	3	.	.	2	2	2	1	.	1
$45760_1 = \chi_{42}$	6	4	.	.	4	3	.	.	2	2	2	2	.	1
$51480_1 = \chi_{43}$	2	1	1	1	1	.	.	.	.	1	1	.	1	1
$60060_1 = \chi_{44}$	4	.	.	.	2	.	1	1	.	.	1	1	.	.
$60060_2 = \chi_{45}$	2	5	1	1	.	2	.	.	.	1	.	.	.	1

(Block 1:)	$\varphi_{16}$	$\varphi_{18}$	$\varphi_{19}$	$\varphi_{20}$	$\varphi_{21}$	$\varphi_{22}$	$\varphi_{25}$	$\varphi_{26}$	$\varphi_{27}$	$\varphi_{29}$	$\varphi_{30}$	$\varphi_{32}$	$\varphi_{33}$
$1_1 = \chi_1$	.	.	.	.	.	.	.	.	.	.	.	.	.
$15_1 = \chi_2$	.	.	.	.	.	.	.	.	.	.	.	.	.
$104_1 = \chi_3$	.	.	.	.	.	.	.	.	.	.	.	.	.
$105_1 = \chi_4$	.	.	.	.	.	.	.	.	.	.	.	.	.
$440_1 = \chi_5$	.	.	.	.	.	.	.	.	.	.	.	.	.
$455_1 = \chi_6$	.	.	.	.	.	.	.	.	.	.	.	.	.
$1260_1 = \chi_8$	.	.	.	.	.	.	.	.	.	.	.	.	.
$1365_1 = \chi_9$	.	.	.	.	.	.	.	.	.	.	.	.	.
$1430_1 = \chi_{10}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$2548_1 = \chi_{11}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$2640_1 = \chi_{12}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$3003_1 = \chi_{13}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$3432_1 = \chi_{14}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$3640_1 = \chi_{15}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$3900_1 = \chi_{16}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$4004_1 = \chi_{17}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$5005_1 = \chi_{18}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$6435_1 = \chi_{19}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$12012_1 = \chi_{22}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$12012_2 = \chi_{23}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$13860_1 = \chi_{24}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$14300_1 = \chi_{25}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$16848_1 = \chi_{26}$	.	.	.	.	.	.	.	.	.	.	.	.	.
$18018_1 = \chi_{27}$	.	.	.	1	.	.	.	.	.	.	.	.	.
$20020_1 = \chi_{28}$	.	.	.	1	.	.	.	.	.	.	.	.	.
$21021_1 = \chi_{29}$	.	.	.	1	.	.	.	.	.	.	.	.	.
$21021_2 = \chi_{30}$	.	.	.	1	.	.	.	.	.	.	.	.	.
$21840_1 = \chi_{31}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$23100_1 = \chi_{32}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$24024_1 = \chi_{33}$	.	.	.	1	.	.	.	.	.	.	.	.	.
$30030_1 = \chi_{35}$	1	.	.	1	.	.	.	.	.	.	.	.	.
$32032_1 = \chi_{36}$	1	.	.	1	.	.	.	.	.	.	.	.	.
$36036_1 = \chi_{37}$	.	.	.	.	.	.	1	.	.	.	.	.	.
$38220_1 = \chi_{39}$	1	.	.	1	.	.	.	.	.	.	.	.	.
$42120_1 = \chi_{40}$	1	.	.	1	.	.	.	.	.	.	.	.	.
$43120_1 = \chi_{41}$	1	.	.	1	.	.	.	.	.	.	.	.	.
$45760_1 = \chi_{42}$	1	.	.	1	.	.	.	.	.	.	.	.	.
$51480_1 = \chi_{43}$	1	.	.	.	.	.	1	.	.	.	.	.	.
$60060_1 = \chi_{44}$	1	.	.	1	.	.	.	1	.	.	.	.	.
$60060_2 = \chi_{45}$	.	1	1	.	.	.	1	.	.	.	.	.	.

(Block 1:)	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_8$	$\varphi_{10}$	$\varphi_{11}$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{14}$	$\varphi_{15}$
65520 <sub>1</sub> = $\chi_{46}$	4	.	.	.	3	.	.	.	.	.	2	1	.	.
68640 <sub>1</sub> = $\chi_{47}$	2	.	.	.	2	.	1	1	.	.	2	.	1	.
71500 <sub>1</sub> = $\chi_{49}$	4	2	1	1	4	1	.	.	1	2	3	1	.	.
73710 <sub>1</sub> = $\chi_{51}$	2	2	1	1	3	1	1	1	.	2	3	.	1	.
76440 <sub>1</sub> = $\chi_{52}$	6	.	.	.	2	.	1	1	1	.	1	2	.	.
82368 <sub>1</sub> = $\chi_{54}$	6	4	.	.	4	3	.	.	2	2	2	2	.	1
85800 <sub>1</sub> = $\chi_{55}$	6	5	1	1	5	3	.	.	2	3	3	2	.	1
91728 <sub>1</sub> = $\chi_{57}$	2	2	1	1	2	1	.	.	.	2	2	.	1	1
100100 <sub>1</sub> = $\chi_{58}$	4	1	1	1	1	.	1	1	.	1	1	1	1	1
112112 <sub>1</sub> = $\chi_{60}$	4	.	.	.	3	.	1	1	.	.	2	1	1	.
112112 <sub>2</sub> = $\chi_{61}$	2	8	1	1	2	3	.	.	.	3	1	.	.	1
114400 <sub>1</sub> = $\chi_{62}$	8	4	.	.	6	3	1	1	2	2	4	2	1	1
114660 <sub>1</sub> = $\chi_{63}$	2	9	1	1	2	4	.	.	1	4	1	.	.	1
115830 <sub>1</sub> = $\chi_{64}$	8	5	1	1	6	3	1	1	2	3	4	2	1	1
125125 <sub>1</sub> = $\chi_{66}$	5	.	.	.	3	.	1	2	1	.	1	1	1	.
125125 <sub>2</sub> = $\chi_{67}$	5	.	.	.	3	.	2	1	1	.	1	1	1	.
140140 <sub>1</sub> = $\chi_{68}$	2	5	1	1	2	3	.	.	2	1	1	.	.	.
150150 <sub>1</sub> = $\chi_{69}$	8	2	1	1	5	1	2	2	1	2	4	2	1	.
150150 <sub>2</sub> = $\chi_{70}$	.	7	2	2	.	3	.	.	.	3	.	.	.	.
155232 <sub>1</sub> = $\chi_{71}$	8	4	.	.	6	3	1	1	2	2	4	2	1	1
168168 <sub>1</sub> = $\chi_{72}$	8	2	1	1	4	1	1	1	1	2	3	2	1	1
171600 <sub>1</sub> = $\chi_{73}$	6	.	.	.	5	.	1	1	2	.	1	1	1	.
173250 <sub>1</sub> = $\chi_{74}$	10	5	1	1	7	3	2	2	2	3	5	2	1	1
180180 <sub>1</sub> = $\chi_{75}$	6	9	1	1	5	4	.	.	1	4	3	1	.	1
180180 <sub>2</sub> = $\chi_{76}$	6	4	.	.	4	2	1	1	2	.	.	1	.	.
194040 <sub>1</sub> = $\chi_{77}$	8	11	1	1	5	5	.	.	2	5	3	2	.	2
200200 <sub>1</sub> = $\chi_{79}$	2	7	2	2	1	3	.	.	.	3	1	.	1	1
200200 <sub>2</sub> = $\chi_{80}$	10	2	1	1	6	1	2	2	1	2	5	2	2	1
202125 <sub>1</sub> = $\chi_{81}$	5	7	1	2	4	3	.	1	1	4	3	1	1	1
202125 <sub>2</sub> = $\chi_{82}$	5	7	2	1	4	3	1	.	1	4	3	1	1	1
206388 <sub>1</sub> = $\chi_{83}$	2	7	2	2	2	3	.	.	2	3	1	.	.	.
210210 <sub>1</sub> = $\chi_{84}$	2	3	2	2	3	1	1	1	.	3	3	.	2	.
231660 <sub>1</sub> = $\chi_{85}$	8	5	1	1	5	2	1	1	2	1	1	1	1	1
240240 <sub>1</sub> = $\chi_{86}$	6	6	2	2	3	3	1	1	2	2	2	1	1	1
240240 <sub>2</sub> = $\chi_{87}$	2	8	3	3	2	3	.	.	.	4	2	.	1	1
262080 <sub>1</sub> = $\chi_{88}$	2	8	2	2	4	4	.	.	2	4	3	.	1	.
280280 <sub>1</sub> = $\chi_{90}$	4	9	2	2	5	4	.	.	2	4	3	.	1	1
280280 <sub>2</sub> = $\chi_{91}$	10	5	1	1	5	2	2	2	2	1	1	2	1	1
300300 <sub>1</sub> = $\chi_{93}$	6	5	1	1	5	3	1	1	4	1	1	1	1	.
305760 <sub>1</sub> = $\chi_{94}$	10	6	2	2	6	3	1	1	2	2	4	2	1	1

(Block 1:)	$\varphi_{16}$	$\varphi_{18}$	$\varphi_{19}$	$\varphi_{20}$	$\varphi_{21}$	$\varphi_{22}$	$\varphi_{25}$	$\varphi_{26}$	$\varphi_{27}$	$\varphi_{29}$	$\varphi_{30}$	$\varphi_{32}$	$\varphi_{33}$
65520 <sub>1</sub> = $\chi_{46}$	1	.	.	1	.	.	.	.	1	.	.	.	.
68640 <sub>1</sub> = $\chi_{47}$	1	.	.	1	.	.	.	.	1	.	.	.	.
71500 <sub>1</sub> = $\chi_{49}$	1	.	.	1	.	.	.	.	1	.	.	.	.
73710 <sub>1</sub> = $\chi_{51}$	1	.	.	1	.	.	.	.	1	.	.	.	.
76440 <sub>1</sub> = $\chi_{52}$	1	.	.	2	.	.	.	1	.	.	.	.	.
82368 <sub>1</sub> = $\chi_{54}$	1	.	.	1	.	.	.	.	1	.	.	.	.
85800 <sub>1</sub> = $\chi_{55}$	1	.	.	1	.	.	.	.	1	.	.	.	.
91728 <sub>1</sub> = $\chi_{57}$	1	.	.	.	.	.	1	.	1	.	.	.	.
100100 <sub>1</sub> = $\chi_{58}$	1	.	.	1	.	.	1	1	.	.	.	.	.
112112 <sub>1</sub> = $\chi_{60}$	2	.	.	1	.	.	.	1	1	.	.	.	.
112112 <sub>2</sub> = $\chi_{61}$	1	.	.	.	.	.	.	.	.	.	.	1	.
114400 <sub>1</sub> = $\chi_{62}$	2	.	.	2	.	.	.	.	1	.	.	.	.
114660 <sub>1</sub> = $\chi_{63}$	1	.	.	.	.	.	.	.	.	.	.	1	.
115830 <sub>1</sub> = $\chi_{64}$	2	.	.	2	.	.	.	.	1	.	.	.	.
125125 <sub>1</sub> = $\chi_{66}$	1	.	.	1	.	.	.	1	.	.	1	.	.
125125 <sub>2</sub> = $\chi_{67}$	1	.	.	1	.	.	.	1	.	1	.	.	.
140140 <sub>1</sub> = $\chi_{68}$	1	1	1	.	.	.	.	.	.	.	.	.	1
150150 <sub>1</sub> = $\chi_{69}$	2	.	.	3	.	.	.	1	1	.	.	.	.
150150 <sub>2</sub> = $\chi_{70}$	.	1	1	.	1	1	.	.	.	.	.	1	.
155232 <sub>1</sub> = $\chi_{71}$	3	.	.	2	.	.	.	1	1	.	.	.	.
168168 <sub>1</sub> = $\chi_{72}$	2	.	.	2	.	.	1	1	1	.	.	.	.
171600 <sub>1</sub> = $\chi_{73}$	1	.	.	.	.	.	.	1	.	1	1	.	.
173250 <sub>1</sub> = $\chi_{74}$	3	.	.	3	.	.	.	1	1	.	.	.	.
180180 <sub>1</sub> = $\chi_{75}$	2	.	.	1	.	.	.	.	1	.	.	1	.
180180 <sub>2</sub> = $\chi_{76}$	.	1	1	.	.	.	.	1	.	1	1	.	.
194040 <sub>1</sub> = $\chi_{77}$	2	.	.	1	.	.	.	.	1	.	.	1	.
200200 <sub>1</sub> = $\chi_{79}$	1	1	1	.	1	1	1	.	.	.	.	1	.
200200 <sub>2</sub> = $\chi_{80}$	3	.	.	3	.	.	1	1	1	.	.	.	.
202125 <sub>1</sub> = $\chi_{81}$	2	.	.	1	.	1	.	.	1	.	.	1	.
202125 <sub>2</sub> = $\chi_{82}$	2	.	.	1	1	.	.	.	1	.	.	1	.
206388 <sub>1</sub> = $\chi_{83}$	1	.	.	.	.	.	.	.	.	.	.	1	1
210210 <sub>1</sub> = $\chi_{84}$	2	.	.	1	1	1	.	.	1	.	.	1	.
231660 <sub>1</sub> = $\chi_{85}$	1	1	1	.	.	.	1	1	.	1	1	.	.
240240 <sub>1</sub> = $\chi_{86}$	2	1	1	1	.	.	1	1	.	.	.	.	1
240240 <sub>2</sub> = $\chi_{87}$	1	1	1	.	1	1	1	.	1	.	.	1	.
262080 <sub>1</sub> = $\chi_{88}$	2	.	.	.	.	.	.	.	1	.	.	1	1
280280 <sub>1</sub> = $\chi_{90}$	3	.	.	.	.	.	.	.	1	.	.	1	1
280280 <sub>2</sub> = $\chi_{91}$	1	1	1	1	.	.	1	2	.	1	1	.	.
300300 <sub>1</sub> = $\chi_{93}$	1	1	1	.	.	.	.	1	.	1	1	.	1
305760 <sub>1</sub> = $\chi_{94}$	3	1	1	2	.	.	1	1	1	.	.	.	1

(Block 1:)	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_8$	$\varphi_{10}$	$\varphi_{11}$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{14}$	$\varphi_{15}$
$318500_1 = \chi_{95}$	6	7	2	2	5	3	1	1	2	3	3	1	1	.
$320320_1 = \chi_{96}$	2	8	3	3	4	4	.	.	2	4	3	.	1	.
$336336_1 = \chi_{97}$	8	6	2	2	5	3	1	1	4	2	1	1	1	1
$360360_1 = \chi_{99}$	10	10	2	2	8	5	1	1	3	5	5	2	1	1
$360360_2 = \chi_{100}$	10	5	1	1	7	3	2	2	4	1	2	2	1	.
$411840_1 = \chi_{101}$	12	6	2	2	8	3	2	2	4	2	3	2	2	1
$416988_1 = \chi_{102}$	6	8	3	3	4	4	1	1	2	4	3	1	2	1
$429000_1 = \chi_{103}$	12	10	2	2	10	5	2	2	3	5	7	2	2	1
$429000_2 = \chi_{104}$	4	15	3	3	5	7	.	.	2	6	3	.	1	1
$448448_1 = \chi_{105}$	12	6	2	2	8	3	2	2	4	2	3	2	2	1
$464373_1 = \chi_{106}$	9	11	3	4	7	5	1	2	3	5	4	1	2	1
$464373_2 = \chi_{107}$	9	11	4	3	7	5	2	1	3	5	4	1	2	1
$480480_1 = \chi_{108}$	14	6	2	2	10	3	3	3	4	2	5	2	3	1
$500500_1 = \chi_{109}$	8	12	3	3	6	6	1	1	4	4	2	1	2	1
$515970_1 = \chi_{111}$	12	9	4	4	9	4	2	2	2	5	7	2	3	1
$600600_1 = \chi_{115}$	12	18	5	5	10	8	1	1	3	9	7	2	2	2
$630630_1 = \chi_{116}$	14	13	4	4	10	6	3	3	4	5	5	2	3	1
$630630_2 = \chi_{117}$	14	18	5	5	11	8	2	2	3	9	8	2	3	2
$648648_1 = \chi_{119}$	14	13	4	4	9	6	2	2	4	5	4	2	3	2
$819000_1 = \chi_{122}$	14	19	5	5	11	9	2	2	6	7	5	2	3	1

(Block 1:)	$\varphi_{16}$	$\varphi_{18}$	$\varphi_{19}$	$\varphi_{20}$	$\varphi_{21}$	$\varphi_{22}$	$\varphi_{25}$	$\varphi_{26}$	$\varphi_{27}$	$\varphi_{29}$	$\varphi_{30}$	$\varphi_{32}$	$\varphi_{33}$
$318500_1 = \chi_{95}$	3	.	.	1	.	.	.	1	1	.	.	1	1
$320320_1 = \chi_{96}$	2	1	1	.	1	1	.	.	1	.	.	1	1
$336336_1 = \chi_{97}$	1	1	1	.	.	.	1	1	.	1	1	.	1
$360360_1 = \chi_{99}$	4	.	.	2	.	.	.	1	1	.	.	1	1
$360360_2 = \chi_{100}$	2	1	1	1	.	.	.	2	.	1	1	.	1
$411840_1 = \chi_{101}$	3	1	1	1	.	.	1	2	.	1	1	.	1
$416988_1 = \chi_{102}$	3	1	1	1	1	1	1	1	1	.	.	1	1
$429000_1 = \chi_{103}$	5	.	.	3	.	.	.	1	2	.	.	1	1
$429000_2 = \chi_{104}$	3	1	1	.	1	1	.	.	1	.	.	2	1
$448448_1 = \chi_{105}$	3	1	1	1	.	.	1	2	1	1	1	.	1
$464373_1 = \chi_{106}$	3	1	1	1	.	1	1	1	1	.	1	1	1
$464373_2 = \chi_{107}$	3	1	1	1	1	.	1	1	1	1	.	1	1
$480480_1 = \chi_{108}$	4	1	1	2	.	.	1	2	1	1	1	.	1
$500500_1 = \chi_{109}$	2	2	2	.	1	1	1	1	.	1	1	1	1
$515970_1 = \chi_{111}$	5	1	1	3	1	1	1	1	2	.	.	1	1
$600600_1 = \chi_{115}$	5	1	1	2	1	1	1	1	2	.	.	2	1
$630630_1 = \chi_{116}$	4	2	2	2	1	1	1	2	1	1	1	1	1
$630630_2 = \chi_{117}$	6	1	1	3	1	1	1	1	2	.	.	2	1
$648648_1 = \chi_{119}$	4	2	2	1	1	1	2	2	1	1	1	1	1
$819000_1 = \chi_{122}$	5	2	2	1	1	1	1	2	1	1	1	2	2

$\varphi_1 = 1_1$	$\varphi_{16} = 9346_1$
$\varphi_2 = 14_1$	$\varphi_{18} = 11648_1$
$\varphi_3 = 64_1$	$\varphi_{19} = 11648_2$
$\varphi_4 = 64_2$	$\varphi_{20} = 12920_1$
$\varphi_5 = 90_1$	$\varphi_{21} = 17408_1$
$\varphi_6 = 336_1$	$\varphi_{22} = 17408_2$
$\varphi_7 = 832_1$	$\varphi_{25} = 25856_1$
$\varphi_8 = 832_2$	$\varphi_{26} = 31486_1$
$\varphi_{10} = 910_1$	$\varphi_{27} = 36608_1$
$\varphi_{11} = 1288_1$	$\varphi_{29} = 59136_1$
$\varphi_{12} = 1912_1$	$\varphi_{30} = 59136_2$
$\varphi_{13} = 2548_1$	$\varphi_{32} = 86812_1$
$\varphi_{14} = 4096_1$	$\varphi_{33} = 101090_1$
$\varphi_{15} = 8748_1$	

<b>Block 2:</b>	$\varphi_9$	$\varphi_{17}$	$\varphi_{23}$	$\varphi_{24}$	$\varphi_{28}$	$\varphi_{36}$	$\varphi_{37}$	
$896_1 = \chi_7$	1	.	.	.	.	.	.	
$10752_1 = \chi_{20}$	.	1	.	.	.	.	.	
$11648_1 = \chi_{21}$	1	1	.	.	.	.	.	
$24960_1 = \chi_{34}$	1	.	.	1	.	.	.	
$36608_1 = \chi_{38}$	2	1	.	1	.	.	.	
$69888_1 = \chi_{48}$	2	.	.	1	1	.	.	$\varphi_9 = 896_1$
$80640_1 = \chi_{53}$	2	1	.	1	1	.	.	$\varphi_{17} = 10752_1$
$91520_1 = \chi_{56}$	1	.	1	1	1	.	.	$\varphi_{23} = 22528_1$
$105600_1 = \chi_{59}$	3	1	.	2	1	.	.	$\varphi_{24} = 24064_1$
$116480_1 = \chi_{65}$	2	.	1	2	1	.	.	$\varphi_{28} = 44032_1$
$197120_1 = \chi_{78}$	4	1	1	3	2	.	.	$\varphi_{36} = 501760_1$
$512512_1 = \chi_{110}$	.	1	.	.	.	1	.	$\varphi_{37} = 536576_1$
$549120_1 = \chi_{112}$	2	1	.	.	.	.	1	
$582400_1 = \chi_{114}$	2	1	.	1	1	1	.	
$640640_1 = \chi_{118}$	3	1	1	1	1	.	1	
$673920_1 = \chi_{120}$	3	1	1	2	2	1	.	
$698880_1 = \chi_{121}$	4	1	1	3	2	1	.	
$1153152_1 = \chi_{123}$	3	2	1	1	1	1	1	

<b>Block 3:</b>	$\varphi_{31}$	$\varphi_{34}$	$\varphi_{35}$	
$71680_1 = \chi_{50}$	1	.	.	$\varphi_{31} = 71680_1$
$266240_1 = \chi_{89}$	.	.	1	$\varphi_{34} = 221184_1$
$292864_1 = \chi_{92}$	1	1	.	$\varphi_{35} = 266240_1$
$337920_1 = \chi_{98}$	1	.	1	
$559104_1 = \chi_{113}$	1	1	1	