

$$O_7(\mathbf{3}) \pmod{3}$$

	blocks	defect	matrix
3. <i>G</i> :	1	10	123×17
	2	1	3×1
6. <i>G</i> :	3	10	54×9

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}	φ_{15}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$78_1 = \chi_2$	1	2	.	.	.	1	.	.	.	.	.	.	.	.	.
$91_1 = \chi_3$	.	1	1	.	.	1	.	.	.	.	.	.	.	.	.
$105_1 = \chi_4$	.	1	.	.	1	1	.	.	.	.	.	.	.	.	.
$168_1 = \chi_5$	2	1	.	1	.	.	1	.	.	.	.	.	.	.	.
$182_1 = \chi_6$	2	.	1	1	.	.	1	.	.	.	.	.	.	.	.
$195_1 = \chi_7$	1	.	.	1	1	.	1	.	.	.	.	.	.	.	.
$260_1 = \chi_8$	2	1	1	.	1	1	1	.	.	.	.	.	.	.	.
$260_2 = \chi_9$	2	1	1	.	1	1	1	.	.	.	.	.	.	.	.
$273_1 = \chi_{10}$	.	3	.	.	.	1	.	.	1	.	.	.	.	.	.
$546_1 = \chi_{11}$	1	.	2	1	1	.	1	.	.	1	.	.	.	.	.
$819_1 = \chi_{12}$	1	.	.	.	3	1	1	.	.	.	1	.	.	.	.
$910_1 = \chi_{13}$	.	3	1	.	2	2	.	.	.	.	.	1	.	.	.
$910_2 = \chi_{14}$	.	3	1	.	2	2	.	.	.	.	.	1	.	.	.
$1092_1 = \chi_{15}$	2	3	2	1	2	2	1	.	.	.	.	1	.	.	.
$1365_1 = \chi_{16}$	.	1	3	.	.	.	.	1	.	1	.	.	1	.	.
$1365_2 = \chi_{17}$	1	2	2	1	3	1	1	.	.	1	.	1	.	.	.
$1560_1 = \chi_{18}$	.	.	1	.	1	.	.	1	.	.	1	.	1	.	.
$1560_2 = \chi_{19}$	.	.	1	.	1	.	.	1	.	.	1	.	1	.	.
$1638_1 = \chi_{20}$	3	3	4	1	2	1	2	.	.	1	.	.	1	.	.
$1820_1 = \chi_{21}$	2	1	2	.	2	1	1	1	.	.	1	.	1	.	.
$2106_1 = \chi_{22}$	.	6	1	1	3	3	.	1	1	.	.	2	.	.	.
$2184_1 = \chi_{23}$	.	3	3	.	2	1	.	1	.	1	.	1	1	.	.
$2457_1 = \chi_{24}$	2	1	.	.	2	2	1	.	.	.	1	.	.	1	.
$2730_1 = \chi_{25}$	3	2	2	2	2	1	2	.	.	2	.	.	.	1	.
$2730_2 = \chi_{26}$	2	4	3	.	4	3	1	1	.	.	1	1	1	.	.
$2835_1 = \chi_{27}$	.	4	1	1	1	2	.	1	1	2	.	.	.	1	.
$4095_1 = \chi_{28}$	2	2	4	.	3	1	1	3	1	1	2	.	2	.	.
$4095_2 = \chi_{29}$	3	5	2	1	4	3	1	.	.	.	.	1	.	.	.
$4368_1 = \chi_{30}$	3	3	3	1	4	2	2	1	.	2	1	.	1	1	.
$4536_1 = \chi_{31}$	.	3	1	1	5	3	.	1	.	.	1	2	.	.	1
$5265_1 = \chi_{32}$	.	1	1	1	3	2	.	1	.	2	1	.	.	1	1
$5460_1 = \chi_{33}$	5	6	5	2	6	4	3	1	.	2	1	1	1	1	.
$5460_2 = \chi_{34}$	1	8	3	1	5	4	.	1	1	1	.	2	.	.	.
$5460_3 = \chi_{35}$	.	.	.	.	5	2	.	3	1	.	3	.	1	.	1
$5824_1 = \chi_{36}$	5	3	6	2	4	1	3	2	.	3	1	.	2	1	.
$5824_2 = \chi_{37}$	1	9	2	.	7	6	.	1	1	.	1	2	.	.	.
$6552_1 = \chi_{38}$	2	4	2	.	5	3	.	3	1	.	2	1	1	.	.
$7020_1 = \chi_{39}$	5	6	6	2	7	4	3	2	.	2	2	1	2	1	.
$7020_2 = \chi_{40}$	5	6	6	2	7	4	3	2	.	2	2	1	2	1	.

(Block 1:)	φ_{16}	φ_{17}
$1_1 = \chi_1$	.	.
$78_1 = \chi_2$	.	.
$91_1 = \chi_3$	.	.
$105_1 = \chi_4$	.	.
$168_1 = \chi_5$	.	.
$182_1 = \chi_6$	.	.
$195_1 = \chi_7$	.	.
$260_1 = \chi_8$	.	.
$260_2 = \chi_9$	.	.
$273_1 = \chi_{10}$	.	.
$546_1 = \chi_{11}$	.	.
$819_1 = \chi_{12}$	.	.
$910_1 = \chi_{13}$	.	.
$910_2 = \chi_{14}$	.	.
$1092_1 = \chi_{15}$	.	.
$1365_1 = \chi_{16}$	.	.
$1365_2 = \chi_{17}$	.	.
$1560_1 = \chi_{18}$	.	.
$1560_2 = \chi_{19}$	.	.
$1638_1 = \chi_{20}$	.	.
$1820_1 = \chi_{21}$	.	.
$2106_1 = \chi_{22}$	.	.
$2184_1 = \chi_{23}$	.	.
$2457_1 = \chi_{24}$	.	.
$2730_1 = \chi_{25}$	.	.
$2730_2 = \chi_{26}$	.	.
$2835_1 = \chi_{27}$	.	.
$4095_1 = \chi_{28}$	.	.
$4095_2 = \chi_{29}$	1	.
$4368_1 = \chi_{30}$	.	.
$4536_1 = \chi_{31}$	.	.
$5265_1 = \chi_{32}$	.	.
$5460_1 = \chi_{33}$	.	.
$5460_2 = \chi_{34}$	1	.
$5460_3 = \chi_{35}$	.	.
$5824_1 = \chi_{36}$	.	.
$5824_2 = \chi_{37}$	1	.
$6552_1 = \chi_{38}$	1	.
$7020_1 = \chi_{39}$	.	.
$7020_2 = \chi_{40}$	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}	φ_{15}
$7280_1 = \chi_{41}$	3	9	5	1	7	5	1	2	1	1	1	2	1	.	.
$7280_2 = \chi_{42}$	3	9	5	1	7	5	1	2	1	1	1	2	1	.	.
$7280_3 = \chi_{43}$	3	9	5	1	7	5	1	2	1	1	1	2	1	.	.
$7371_1 = \chi_{44}$	4	2	4	1	2	.	3	.	.	1	.	.	1	.	.
$8190_1 = \chi_{45}$	5	7	6	1	7	4	2	3	1	1	2	1	2	.	.
$8190_2 = \chi_{46}$	5	7	6	1	7	4	2	3	1	1	2	1	2	.	.
$11648_1 = \chi_{47}$	6	12	8	2	11	7	3	3	1	3	2	2	2	1	.
$14742_1 = \chi_{48}$	4	9	6	3	8	5	3	2	1	3	1	2	1	1	1
$16380_1 = \chi_{49}$	6	14	8	3	16	10	3	5	2	3	4	3	2	1	1
$16640_1 = \chi_{50}$	8	6	8	2	9	4	5	4	1	3	3	.	3	1	1
$16640_2 = \chi_{51}$	5	14	7	1	15	10	1	5	2	1	4	3	2	.	1
$17472_1 = \chi_{52}$	6	10	8	1	15	8	2	6	2	1	5	2	3	.	1
$17472_2 = \chi_{53}$	5	6	6	1	10	5	3	5	1	2	4	1	3	1	1
$17920_1 = \chi_{54}$	7	13	10	2	15	9	3	6	2	3	5	2	4	1	1
$17920_2 = \chi_{55}$	7	9	7	2	12	6	4	4	1	1	3	2	2	.	1
$21840_1 = \chi_{57}$	8	10	11	1	13	6	4	7	2	2	5	1	5	.	1
$22113_1 = \chi_{58}$	8	8	6	1	14	7	4	6	2	.	6	.	4	.	2
$27_1 = \chi_{89}$	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.
$27_2 = \chi_{89}^{*2}$	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.
$351_1 = \chi_{90}$	4	.	1	1	1	.	2	.	.	.	.	.	.	.	.
$351_2 = \chi_{90}^{*2}$	4	.	1	1	1	.	2	.	.	.	.	.	.	.	.
$351_3 = \chi_{91}$	.	.	2	.	.	.	.	.	.	1	.	.	.	.	.
$351_4 = \chi_{91}^{*2}$	.	.	2	.	.	.	.	.	.	1	.	.	.	.	.
$378_1 = \chi_{92}$	.	4	.	.	1	2	.	.	1	.	.	.	.	.	.
$378_2 = \chi_{92}^{*2}$	.	4	.	.	1	2	.	.	1	.	.	.	.	.	.
$1728_1 = \chi_{93}$	4	2	4	2	2	.	3	.	.	1	.	.	1	.	.
$1728_2 = \chi_{93}^{*2}$	4	2	4	2	2	.	3	.	.	1	.	.	1	.	.
$1728_3 = \chi_{94}$	.	6	1	1	3	3	.	.	.	.	.	2	.	.	.
$1728_4 = \chi_{94}^{*2}$	.	6	1	1	3	3	.	.	.	.	.	2	.	.	.
$2457_2 = \chi_{95}$	.	6	3	1	3	3	.	1	1	1	.	2	.	.	.
$2457_3 = \chi_{95}^{*2}$	.	6	3	1	3	3	.	1	1	1	.	2	.	.	.
$2457_4 = \chi_{96}$	.	3	1	.	5	3	.	1	.	.	1	2	.	.	.
$2457_5 = \chi_{96}^{*2}$	.	3	1	.	5	3	.	1	.	.	1	2	.	.	.
$2457_6 = \chi_{97}$	.	.	1	1	.	.	.	1	.	2	.	.	.	1	.
$2457_7 = \chi_{97}^{*2}$	.	.	1	1	.	.	.	1	.	2	.	.	.	1	.
$2808_1 = \chi_{98}$	.	1	.	.	3	2	.	.	.	.	1	.	.	.	1
$2808_2 = \chi_{98}^{*2}$	.	1	.	.	3	2	.	.	.	.	1	.	.	.	1
$2808_3 = \chi_{99}$	4	4	2	2	2	2	2	.	.	2	.	.	.	1	.
$2808_4 = \chi_{99}^{*2}$	4	4	2	2	2	2	2	.	.	2	.	.	.	1	.
$4914_1 = \chi_{100}$	4	3	5	2	5	2	3	1	.	3	1	.	1	1	.

(Block 1:)	φ_{16}	φ_{17}
$7280_1 = \chi_{41}$	1	.
$7280_2 = \chi_{42}$	1	.
$7280_3 = \chi_{43}$	1	.
$7371_1 = \chi_{44}$	.	1
$8190_1 = \chi_{45}$	1	.
$8190_2 = \chi_{46}$	1	.
$11648_1 = \chi_{47}$	1	.
$14742_1 = \chi_{48}$	.	1
$16380_1 = \chi_{49}$	1	.
$16640_1 = \chi_{50}$	.	1
$16640_2 = \chi_{51}$	2	.
$17472_1 = \chi_{52}$	2	.
$17472_2 = \chi_{53}$	.	1
$17920_1 = \chi_{54}$	1	.
$17920_2 = \chi_{55}$	1	1
$21840_1 = \chi_{57}$	1	1
$22113_1 = \chi_{58}$	1	1
$27_1 = \chi_{89}$	.	.
$27_2 = \chi_{89}^{*2}$	.	.
$351_1 = \chi_{90}$	.	.
$351_2 = \chi_{90}^{*2}$	.	.
$351_3 = \chi_{91}$	.	.
$351_4 = \chi_{91}^{*2}$	.	.
$378_1 = \chi_{92}$	.	.
$378_2 = \chi_{92}^{*2}$	.	.
$1728_1 = \chi_{93}$	.	.
$1728_2 = \chi_{93}^{*2}$	.	.
$1728_3 = \chi_{94}$	.	.
$1728_4 = \chi_{94}^{*2}$	.	.
$2457_2 = \chi_{95}$	.	.
$2457_3 = \chi_{95}^{*2}$	.	.
$2457_4 = \chi_{96}$	.	.
$2457_5 = \chi_{96}^{*2}$	.	.
$2457_6 = \chi_{97}$	.	.
$2457_7 = \chi_{97}^{*2}$	.	.
$2808_1 = \chi_{98}$	.	.
$2808_2 = \chi_{98}^{*2}$	.	.
$2808_3 = \chi_{99}$	.	.
$2808_4 = \chi_{99}^{*2}$	.	.
$4914_1 = \chi_{100}$	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}	φ_{15}
$4914_2 = \chi_{100}^{*2}$	4	3	5	2	5	2	3	1	.	3	1	.	1	1	.
$4914_3 = \chi_{101}$	4	2	6	.	4	1	2	3	.	1	2	.	3	.	.
$4914_4 = \chi_{101}^{*2}$	4	2	6	.	4	1	2	3	.	1	2	.	3	.	.
$5265_2 = \chi_{102}$	2	10	3	.	5	6	.	1	1	.	.	2	.	.	.
$5265_3 = \chi_{102}^{*2}$	2	10	3	.	5	6	.	1	1	.	.	2	.	.	.
$7020_3 = \chi_{103}$	4	9	6	3	8	5	3	2	1	3	1	2	1	1	.
$7020_4 = \chi_{103}^{*2}$	4	9	6	3	8	5	3	2	1	3	1	2	1	1	.
$7371_2 = \chi_{104}$	6	9	7	2	9	6	3	1	.	1	1	2	1	.	.
$7371_3 = \chi_{104}^{*2}$	6	9	7	2	9	6	3	1	.	1	1	2	1	.	.
$7371_4 = \chi_{105}$	.	7	2	2	6	5	.	2	1	2	1	2	.	1	1
$7371_5 = \chi_{105}^{*2}$	.	7	2	2	6	5	.	2	1	2	1	2	.	1	1
$7560_1 = \chi_{106}$	4	2	4	1	2	.	3	1	.	1	.	.	1	.	.
$7560_2 = \chi_{106}^{*14}$	4	2	4	1	2	.	3	1	.	1	.	.	1	.	.
$7560_3 = \chi_{107}$	4	6	7	1	5	3	2	3	1	3	2	.	3	1	.
$7560_4 = \chi_{107}^{*14}$	4	6	7	1	5	3	2	3	1	3	2	.	3	1	.
$9477_1 = \chi_{108}$	7	7	6	2	9	6	4	2	.	2	3	1	2	2	.
$9477_2 = \chi_{108}^{*2}$	7	7	6	2	9	6	4	2	.	2	3	1	2	2	.
$9828_1 = \chi_{109}$	3	3	3	1	9	4	2	4	1	2	4	.	2	1	1
$9828_2 = \chi_{109}^{*2}$	3	3	3	1	9	4	2	4	1	2	4	.	2	1	1
$12285_1 = \chi_{110}$	5	9	5	1	13	8	2	4	1	.	4	2	2	.	1
$12285_2 = \chi_{110}^{*2}$	5	9	5	1	13	8	2	4	1	.	4	2	2	.	1
$12285_3 = \chi_{111}$	4	5	4	.	9	5	1	6	2	.	5	.	3	.	1
$12285_4 = \chi_{111}^{*2}$	4	5	4	.	9	5	1	6	2	.	5	.	3	.	1
$12285_5 = \chi_{112}$	6	14	6	2	12	8	2	3	2	1	2	3	1	.	.
$12285_6 = \chi_{112}^{*2}$	6	14	6	2	12	8	2	3	2	1	2	3	1	.	.
$12285_7 = \chi_{113}$	3	2	2	.	6	2	2	3	1	.	3	.	2	.	1
$12285_8 = \chi_{113}^{*2}$	3	2	2	.	6	2	2	3	1	.	3	.	2	.	1
$12285_9 = \chi_{114}$	4	3	3	2	5	2	3	1	.	2	1	.	1	1	1
$12285_{10} = \chi_{114}^{*2}$	4	3	3	2	5	2	3	1	.	2	1	.	1	1	1
$14742_2 = \chi_{115}$	2	11	5	1	13	8	.	4	2	1	3	3	1	.	1
$14742_3 = \chi_{115}^{*2}$	2	11	5	1	13	8	.	4	2	1	3	3	1	.	1
$16848_1 = \chi_{116}$	6	16	11	1	15	9	2	6	2	2	4	3	4	.	.
$16848_2 = \chi_{116}^{*2}$	6	16	11	1	15	9	2	6	2	2	4	3	4	.	.
$19656_1 = \chi_{117}$	8	7	8	1	11	5	4	6	2	1	5	.	4	.	1
$19656_2 = \chi_{117}^{*2}$	8	7	8	1	11	5	4	6	2	1	5	.	4	.	1
$19656_3 = \chi_{118}$	8	11	12	3	12	6	5	5	1	4	3	2	4	1	1
$19656_4 = \chi_{118}^{*2}$	8	11	12	3	12	6	5	5	1	4	3	2	4	1	1
$22464_1 = \chi_{120}$	9	15	10	2	16	10	5	5	2	3	4	2	3	1	1
$22464_2 = \chi_{120}^{*2}$	9	15	10	2	16	10	5	5	2	3	4	2	3	1	1
$22464_3 = \chi_{121}$	10	17	13	3	19	11	4	7	2	4	5	3	4	1	1

(Block 1:)	φ_{16}	φ_{17}
$4914_2 = \chi_{100}^{*2}$	.	.
$4914_3 = \chi_{101}$	.	.
$4914_4 = \chi_{101}^{*2}$	.	.
$5265_2 = \chi_{102}$	1	.
$5265_3 = \chi_{102}^{*2}$	1	.
$7020_3 = \chi_{103}$	.	.
$7020_4 = \chi_{103}^{*2}$	.	.
$7371_2 = \chi_{104}$	1	.
$7371_3 = \chi_{104}^{*2}$	1	.
$7371_4 = \chi_{105}$	.	.
$7371_5 = \chi_{105}^{*2}$	.	.
$7560_1 = \chi_{106}$	.	1
$7560_2 = \chi_{106}^{*14}$	.	1
$7560_3 = \chi_{107}$	.	.
$7560_4 = \chi_{107}^{*14}$	.	.
$9477_1 = \chi_{108}$	.	.
$9477_2 = \chi_{108}^{*2}$	.	.
$9828_1 = \chi_{109}$	.	.
$9828_2 = \chi_{109}^{*2}$	.	.
$12285_1 = \chi_{110}$	1	.
$12285_2 = \chi_{110}^{*2}$	1	.
$12285_3 = \chi_{111}$	1	.
$12285_4 = \chi_{111}^{*2}$	1	.
$12285_5 = \chi_{112}$	2	.
$12285_6 = \chi_{112}^{*2}$	2	.
$12285_7 = \chi_{113}$	.	1
$12285_8 = \chi_{113}^{*2}$	.	1
$12285_9 = \chi_{114}$	.	1
$12285_{10} = \chi_{114}^{*2}$	.	1
$14742_2 = \chi_{115}$	2	.
$14742_3 = \chi_{115}^{*2}$	2	.
$16848_1 = \chi_{116}$	2	.
$16848_2 = \chi_{116}^{*2}$	2	.
$19656_1 = \chi_{117}$	1	1
$19656_2 = \chi_{117}^{*2}$	1	1
$19656_3 = \chi_{118}$	.	1
$19656_4 = \chi_{118}^{*2}$	.	1
$22464_1 = \chi_{120}$	1	1
$22464_2 = \chi_{120}^{*2}$	1	1
$22464_3 = \chi_{121}$	2	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}	φ_{15}
$22464_4 = \chi_{121}^{*2}$	10	17	13	3	19	11	4	7	2	4	5	3	4	1	1
$24192_1 = \chi_{122}$	8	10	9	2	16	8	4	7	2	1	6	2	4	.	2
$24192_2 = \chi_{122}^{*2}$	8	10	9	2	16	8	4	7	2	1	6	2	4	.	2

(Block 1:)	φ_{16}	φ_{17}
$22464_4 = \chi_{121}^{*2}$	2	.
$24192_1 = \chi_{122}$	1	1
$24192_2 = \chi_{122}^{*2}$	1	1

$$\begin{aligned}
\varphi_1 &= 1_1 \\
\varphi_2 &= 7_1 \\
\varphi_3 &= 21_1 \\
\varphi_4 &= 27_1 \\
\varphi_5 &= 35_1 \\
\varphi_6 &= 63_1 \\
\varphi_7 &= 132_1 \\
\varphi_8 &= 189_1 \\
\varphi_9 &= 189_2 \\
\varphi_{10} &= 309_1 \\
\varphi_{11} &= 518_1 \\
\varphi_{12} &= 672_1 \\
\varphi_{13} &= 797_1 \\
\varphi_{14} &= 1602_1 \\
\varphi_{15} &= 2052_1 \\
\varphi_{16} &= 2855_1 \\
\varphi_{17} &= 5670_1
\end{aligned}$$

Block 2:	φ_{18}
$19683_1 = \chi_{56}$	1
$19683_2 = \chi_{119}$	1
$19683_3 = \chi_{119}^{*2}$	1

$$\varphi_{18} = 19683_1$$

Block 3:	φ_{19}	φ_{20}	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}
$520_1 = \chi_{59}$	4	.	1	.	1	.	.	.	.
$560_1 = \chi_{60}$	3	1	1	.	1	.	.	.	.
$560_2 = \chi_{61}$	3	1	1	.	1	.	.	.	.
$1456_1 = \chi_{62}$	4	3	1	1	1	1	.	.	.
$1456_2 = \chi_{63}$	4	3	1	1	1	1	.	.	.
$1456_3 = \chi_{64}$	4	3	1	1	1	1	.	.	.
$3120_1 = \chi_{65}$	4	4	2	1	1	1	1	.	.
$3640_1 = \chi_{66}$	6	2	2	1	2	.	.	1	.
$6720_1 = \chi_{67}$	11	5	4	2	3	1	1	1	.
$6720_2 = \chi_{68}$	11	5	4	2	3	1	1	1	.
$7280_4 = \chi_{69}$	14	6	5	2	4	1	1	1	.
$7280_5 = \chi_{70}$	14	6	5	2	4	1	1	1	.
$7280_6 = \chi_{71}$	14	6	5	2	4	1	1	1	.
$7280_7 = \chi_{72}$	14	6	5	2	4	1	1	1	.
$10920_1 = \chi_{73}$	20	8	7	3	6	1	1	2	.
$11648_2 = \chi_{74}$	10	6	3	3	3	1	1	.	1
$11648_3 = \chi_{75}$	21	9	7	3	6	2	1	2	.
$13104_1 = \chi_{76}$	24	9	9	3	7	1	2	2	.
$13104_2 = \chi_{77}$	24	9	9	3	7	1	2	2	.
$13104_3 = \chi_{78}$	24	9	9	3	7	1	2	2	.
$14040_1 = \chi_{79}$	11	8	4	3	3	2	2	.	1
$15120_1 = \chi_{80}$	16	7	5	3	5	1	1	1	1
$15120_2 = \chi_{81}$	16	7	5	3	5	1	1	1	1
$16640_3 = \chi_{82}$	21	9	7	4	6	2	1	1	1
$16640_4 = \chi_{83}$	30	11	10	4	9	1	2	3	.
$17920_3 = \chi_{84}$	33	13	11	4	10	2	2	3	.
$17920_4 = \chi_{85}$	19	10	7	5	5	2	2	1	1
$21840_2 = \chi_{86}$	27	12	9	5	8	2	2	2	1
$21840_3 = \chi_{87}$	27	12	9	5	8	2	2	2	1
$23296_1 = \chi_{88}$	31	15	10	6	9	3	2	2	1
$4536_2 = \chi_{123}$	9	6	3	2	2	2	1	.	.
$4536_3 = \chi_{123}^{*2}$	9	6	3	2	2	2	1	.	.
$12096_1 = \chi_{124}$	23	10	7	3	7	2	1	2	.
$12096_2 = \chi_{124}^{*14}$	23	10	7	3	7	2	1	2	.
$12096_3 = \chi_{125}$	9	7	3	4	2	2	1	.	1
$12096_4 = \chi_{125}^{*14}$	9	7	3	4	2	2	1	.	1
$14040_2 = \chi_{126}$	24	12	9	4	7	2	2	2	.
$14040_3 = \chi_{126}^{*2}$	24	12	9	4	7	2	2	2	.
$15120_3 = \chi_{127}$	31	13	11	4	9	2	2	2	.
$15120_4 = \chi_{127}^{*2}$	31	13	11	4	9	2	2	2	.

(Block 3:)	φ_{19}	φ_{20}	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}	
$19656_5 = \chi_{128}$	23	11	7	5	7	2	1	2	1	
$19656_6 = \chi_{128}^{*2}$	23	11	7	5	7	2	1	2	1	
$20736_1 = \chi_{129}$	30	12	9	5	9	2	1	2	1	$\varphi_{19} = 8_1$
$20736_2 = \chi_{129}^{*2}$	30	12	9	5	9	2	1	2	1	$\varphi_{20} = 48_1$
$22464_5 = \chi_{130}$	31	12	11	5	9	2	2	2	1	$\varphi_{21} = 104_1$
$22464_6 = \chi_{130}^{*29}$	31	12	11	5	9	2	2	2	1	$\varphi_{22} = 120_1$
$22464_7 = \chi_{131}$	40	14	14	5	12	1	3	4	.	$\varphi_{23} = 384_1$
$22464_8 = \chi_{131}^{*29}$	40	14	14	5	12	1	3	4	.	$\varphi_{24} = 672_2$
$24192_3 = \chi_{132}$	31	14	11	6	9	2	3	2	1	$\varphi_{25} = 1512_1$
$24192_4 = \chi_{132}^{*41}$	31	14	11	6	9	2	3	2	1	$\varphi_{26} = 2400_1$
$24192_5 = \chi_{133}$	42	17	15	6	12	3	3	4	.	$\varphi_{27} = 7272_1$
$24192_6 = \chi_{133}^{*41}$	42	17	15	6	12	3	3	4	.	
$29160_1 = \chi_{134}$	27	15	9	6	8	3	3	1	2	
$29160_2 = \chi_{134}^{*2}$	27	15	9	6	8	3	3	1	2	