

Extension A:

The Superspectra of the Cohorts of Even Cycles, Revisited

In Chapter 4 of *Bounded Complete Embedding Graphs*, we determined how to compute the superspectrum of  $\mathcal{C}_{2k}^p$ . In particular, let  $s$  denote the number of distinct odd prime factors of the product  $4kp$ ; we determined that the superspectrum consists of the positive elements of the  $2^s$  distinct congruence classes modulo  $4kp$  that are obtained as solutions to various systems of congruences, with all elements of the set  $\llbracket 2, 2kp - 1 \rrbracket$  removed.

We have computed the exact superspectrum of  $\mathcal{C}_{2k}^p$  for all pairs of values of  $p$  and  $k$  such that  $p, k \in \llbracket 2, 128 \rrbracket$ . These superspectra are presented in the tables that follow, with each table corresponding to a single value of  $p$ .

Table 1: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 2$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
2	2	$n \equiv 1 \pmod{16}$
2	3	$n \equiv 1$ or $9 \pmod{24}$ except $n = 9$
2	4	$n \equiv 1 \pmod{32}$
2	5	$n \equiv 1$ or $25 \pmod{40}$
2	6	$n \equiv 1$ or $33 \pmod{48}$
2	7	$n \equiv 1$ or $49 \pmod{56}$
2	8	$n \equiv 1 \pmod{64}$
2	9	$n \equiv 1$ or $9 \pmod{72}$ except $n = 9$
2	10	$n \equiv 1$ or $65 \pmod{80}$
2	11	$n \equiv 1$ or $33 \pmod{88}$ except $n = 33$

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Table 1: Superspectra for  $p = 2$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
2	12	$n \equiv 1$ or $33 \pmod{96}$ except $n = 33$
2	13	$n \equiv 1$ or $65 \pmod{104}$
2	14	$n \equiv 1$ or $49 \pmod{112}$ except $n = 49$
2	15	$n \equiv 1, 25, 81,$ or $105 \pmod{120}$ except $n = 25$
2	16	$n \equiv 1 \pmod{128}$
2	17	$n \equiv 1$ or $17 \pmod{136}$ except $n = 17$
2	18	$n \equiv 1$ or $81 \pmod{144}$
2	19	$n \equiv 1$ or $57 \pmod{152}$ except $n = 57$
2	20	$n \equiv 1$ or $65 \pmod{160}$ except $n = 65$
2	21	$n \equiv 1, 49, 57,$ or $105 \pmod{168}$ except $n = 49, 57$
2	22	$n \equiv 1$ or $33 \pmod{176}$ except $n = 33$
2	23	$n \equiv 1$ or $161 \pmod{184}$
2	24	$n \equiv 1$ or $129 \pmod{192}$
2	25	$n \equiv 1$ or $25 \pmod{200}$ except $n = 25$
2	26	$n \equiv 1$ or $65 \pmod{208}$ except $n = 65$
2	27	$n \equiv 1$ or $81 \pmod{216}$ except $n = 81$
2	28	$n \equiv 1$ or $161 \pmod{224}$
2	29	$n \equiv 1$ or $145 \pmod{232}$
2	30	$n \equiv 1, 81, 145,$ or $225 \pmod{240}$ except $n = 81$
2	31	$n \equiv 1$ or $217 \pmod{248}$
2	32	$n \equiv 1 \pmod{256}$
2	33	$n \equiv 1, 33, 121,$ or $177 \pmod{264}$ except $n = 33, 121$
2	34	$n \equiv 1$ or $17 \pmod{272}$ except $n = 17$
2	35	$n \equiv 1, 105, 161,$ or $225 \pmod{280}$ except $n = 105$
2	36	$n \equiv 1$ or $225 \pmod{288}$

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Table 1: Superspectra for  $p = 2$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
2	37	$n \equiv 1$ or $185 \pmod{296}$
2	38	$n \equiv 1$ or $209 \pmod{304}$
2	39	$n \equiv 1, 105, 169,$ or $273 \pmod{312}$ except $n = 105$
2	40	$n \equiv 1$ or $65 \pmod{320}$ except $n = 65$
2	41	$n \equiv 1$ or $41 \pmod{328}$ except $n = 41$
2	42	$n \equiv 1, 49, 225,$ or $273 \pmod{336}$ except $n = 49$
2	43	$n \equiv 1$ or $129 \pmod{344}$ except $n = 129$
2	44	$n \equiv 1$ or $33 \pmod{352}$ except $n = 33$
2	45	$n \equiv 1, 81, 145,$ or $225 \pmod{360}$ except $n = 81, 145$
2	46	$n \equiv 1$ or $161 \pmod{368}$ except $n = 161$
2	47	$n \equiv 1$ or $329 \pmod{376}$
2	48	$n \equiv 1$ or $129 \pmod{384}$ except $n = 129$
2	49	$n \equiv 1$ or $49 \pmod{392}$ except $n = 49$
2	50	$n \equiv 1$ or $225 \pmod{400}$
2	51	$n \equiv 1, 153, 273,$ or $289 \pmod{408}$ except $n = 153$
2	52	$n \equiv 1$ or $65 \pmod{416}$ except $n = 65$
2	53	$n \equiv 1$ or $265 \pmod{424}$
2	54	$n \equiv 1$ or $81 \pmod{432}$ except $n = 81$
2	55	$n \equiv 1, 121, 265,$ or $385 \pmod{440}$ except $n = 121$
2	56	$n \equiv 1$ or $385 \pmod{448}$
2	57	$n \equiv 1, 57, 153,$ or $361 \pmod{456}$ except $n = 57, 153$
2	58	$n \equiv 1$ or $145 \pmod{464}$ except $n = 145$
2	59	$n \equiv 1$ or $177 \pmod{472}$ except $n = 177$
2	60	$n \equiv 1, 225, 321,$ or $385 \pmod{480}$ except $n = 225$
2	61	$n \equiv 1$ or $305 \pmod{488}$

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Table 1: Superspectra for  $p = 2$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
2	62	$n \equiv 1$ or $465 \pmod{496}$
2	63	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
2	64	$n \equiv 1 \pmod{512}$
2	65	$n \equiv 1, 65, 105, \text{ or } 481 \pmod{520}$ except $n = 65, 105$
2	66	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
2	67	$n \equiv 1$ or $201 \pmod{536}$ except $n = 201$
2	68	$n \equiv 1$ or $289 \pmod{544}$
2	69	$n \equiv 1, 345, 369, \text{ or } 529 \pmod{552}$
2	70	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
2	71	$n \equiv 1$ or $497 \pmod{568}$
2	72	$n \equiv 1$ or $513 \pmod{576}$
2	73	$n \equiv 1$ or $73 \pmod{584}$ except $n = 73$
2	74	$n \equiv 1$ or $481 \pmod{592}$
2	75	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
2	76	$n \equiv 1$ or $513 \pmod{608}$
2	77	$n \equiv 1, 385, 441, \text{ or } 561 \pmod{616}$
2	78	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$
2	79	$n \equiv 1$ or $553 \pmod{632}$
2	80	$n \equiv 1$ or $385 \pmod{640}$
2	81	$n \equiv 1$ or $81 \pmod{648}$ except $n = 81$
2	82	$n \equiv 1$ or $369 \pmod{656}$
2	83	$n \equiv 1$ or $249 \pmod{664}$ except $n = 249$
2	84	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
2	85	$n \equiv 1, 425, 545, \text{ or } 561 \pmod{680}$
2	86	$n \equiv 1$ or $129 \pmod{688}$ except $n = 129$

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Table 1: Superspectra for  $p = 2$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
2	87	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{696}$ except $n = 145$
2	88	$n \equiv 1 \text{ or } 385 \pmod{704}$
2	89	$n \equiv 1 \text{ or } 89 \pmod{712}$ except $n = 89$
2	90	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
2	91	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{728}$ except $n = 105, 169, 273$
2	92	$n \equiv 1 \text{ or } 161 \pmod{736}$ except $n = 161$
2	93	$n \equiv 1, 217, 249, \text{ or } 465 \pmod{744}$ except $n = 217, 249$
2	94	$n \equiv 1 \text{ or } 705 \pmod{752}$
2	95	$n \equiv 1, 305, 361, \text{ or } 665 \pmod{760}$ except $n = 305, 361$
2	96	$n \equiv 1 \text{ or } 513 \pmod{768}$
2	97	$n \equiv 1 \text{ or } 97 \pmod{776}$ except $n = 97$
2	98	$n \equiv 1 \text{ or } 49 \pmod{784}$ except $n = 49$
2	99	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
2	100	$n \equiv 1 \text{ or } 225 \pmod{800}$ except $n = 225$
2	101	$n \equiv 1 \text{ or } 505 \pmod{808}$
2	102	$n \equiv 1, 273, 289, \text{ or } 561 \pmod{816}$ except $n = 273, 289$
2	103	$n \equiv 1 \text{ or } 721 \pmod{824}$
2	104	$n \equiv 1 \text{ or } 65 \pmod{832}$ except $n = 65$
2	105	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
2	106	$n \equiv 1 \text{ or } 689 \pmod{848}$
2	107	$n \equiv 1 \text{ or } 321 \pmod{856}$ except $n = 321$
2	108	$n \equiv 1 \text{ or } 513 \pmod{864}$
2	109	$n \equiv 1 \text{ or } 545 \pmod{872}$
2	110	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
2	111	$n \equiv 1, 297, 481, \text{ or } 777 \pmod{888}$ except $n = 297$

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Table 1: Superspectra for  $p = 2$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
2	112	$n \equiv 1$ or $385 \pmod{896}$ except $n = 385$
2	113	$n \equiv 1$ or $113 \pmod{904}$ except $n = 113$
2	114	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
2	115	$n \equiv 1, 161, 185, \text{ or } 345 \pmod{920}$ except $n = 161, 185, 345$
2	116	$n \equiv 1$ or $609 \pmod{928}$
2	117	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
2	118	$n \equiv 1$ or $177 \pmod{944}$ except $n = 177$
2	119	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{952}$ except $n = 273$
2	120	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
2	121	$n \equiv 1$ or $121 \pmod{968}$ except $n = 121$
2	122	$n \equiv 1$ or $305 \pmod{976}$ except $n = 305$
2	123	$n \equiv 1, 369, 657, \text{ or } 697 \pmod{984}$ except $n = 369$
2	124	$n \equiv 1$ or $961 \pmod{992}$
2	125	$n \equiv 1$ or $625 \pmod{1000}$
2	126	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
2	127	$n \equiv 1$ or $889 \pmod{1016}$
2	128	$n \equiv 1 \pmod{1024}$

Table 2: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 3$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
3	2	$n \equiv 1$ or $9 \pmod{24}$ except $n = 9$
3	3	$n \equiv 1$ or $9 \pmod{36}$ except $n = 9$
3	4	$n \equiv 1$ or $33 \pmod{48}$

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Table 2: Superspectra for  $p = 3$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
3	5	$n \equiv 1, 21, 25, \text{ or } 45 \pmod{60}$ except $n = 21, 25$
3	6	$n \equiv 1 \text{ or } 9 \pmod{72}$ except $n = 9$
3	7	$n \equiv 1, 21, 49, \text{ or } 57 \pmod{84}$ except $n = 21$
3	8	$n \equiv 1 \text{ or } 33 \pmod{96}$ except $n = 33$
3	9	$n \equiv 1 \text{ or } 81 \pmod{108}$
3	10	$n \equiv 1, 25, 81, \text{ or } 105 \pmod{120}$ except $n = 25$
3	11	$n \equiv 1, 33, 45, \text{ or } 121 \pmod{132}$ except $n = 33, 45$
3	12	$n \equiv 1 \text{ or } 81 \pmod{144}$
3	13	$n \equiv 1, 13, 105, \text{ or } 117 \pmod{156}$ except $n = 13$
3	14	$n \equiv 1, 49, 57, \text{ or } 105 \pmod{168}$ except $n = 49, 57$
3	15	$n \equiv 1, 45, 81, \text{ or } 145 \pmod{180}$ except $n = 45, 81$
3	16	$n \equiv 1 \text{ or } 129 \pmod{192}$
3	17	$n \equiv 1, 69, 85, \text{ or } 153 \pmod{204}$ except $n = 69, 85$
3	18	$n \equiv 1 \text{ or } 81 \pmod{216}$ except $n = 81$
3	19	$n \equiv 1, 57, 133, \text{ or } 153 \pmod{228}$ except $n = 57$
3	20	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{240}$ except $n = 81$
3	21	$n \equiv 1, 189, 217, \text{ or } 225 \pmod{252}$
3	22	$n \equiv 1, 33, 121, \text{ or } 177 \pmod{264}$ except $n = 33, 121$
3	23	$n \equiv 1, 69, 93, \text{ or } 253 \pmod{276}$ except $n = 69, 93$
3	24	$n \equiv 1 \text{ or } 225 \pmod{288}$
3	25	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{300}$ except $n = 25$
3	26	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{312}$ except $n = 105$
3	27	$n \equiv 1 \text{ or } 81 \pmod{324}$ except $n = 81$
3	28	$n \equiv 1, 49, 225, \text{ or } 273 \pmod{336}$ except $n = 49$
3	29	$n \equiv 1, 117, 145, \text{ or } 261 \pmod{348}$ except $n = 117, 145$

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Table 2: Superspectra for  $p = 3$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
3	30	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
3	31	$n \equiv 1, 93, 217, \text{ or } 249 \pmod{372}$ except $n = 93$
3	32	$n \equiv 1 \text{ or } 129 \pmod{384}$ except $n = 129$
3	33	$n \equiv 1, 45, 253, \text{ or } 297 \pmod{396}$ except $n = 45$
3	34	$n \equiv 1, 153, 273, \text{ or } 289 \pmod{408}$ except $n = 153$
3	35	$n \equiv 1, 21, 85, 105, 141, 225, 301, \text{ or } 385 \pmod{420}$ except $n = 21, 85, 105, 141$
3	36	$n \equiv 1 \text{ or } 81 \pmod{432}$ except $n = 81$
3	37	$n \equiv 1, 37, 297, \text{ or } 333 \pmod{444}$ except $n = 37$
3	38	$n \equiv 1, 57, 153, \text{ or } 361 \pmod{456}$ except $n = 57, 153$
3	39	$n \equiv 1, 117, 261, \text{ or } 325 \pmod{468}$ except $n = 117$
3	40	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
3	41	$n \equiv 1, 165, 205, \text{ or } 369 \pmod{492}$ except $n = 165, 205$
3	42	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
3	43	$n \equiv 1, 129, 301, \text{ or } 345 \pmod{516}$ except $n = 129$
3	44	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
3	45	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{540}$ except $n = 81$
3	46	$n \equiv 1, 345, 369, \text{ or } 529 \pmod{552}$
3	47	$n \equiv 1, 141, 189, \text{ or } 517 \pmod{564}$ except $n = 141, 189$
3	48	$n \equiv 1 \text{ or } 513 \pmod{576}$
3	49	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{588}$ except $n = 49$
3	50	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
3	51	$n \equiv 1, 153, 289, \text{ or } 477 \pmod{612}$ except $n = 153, 289$
3	52	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$
3	53	$n \equiv 1, 213, 265, \text{ or } 477 \pmod{636}$ except $n = 213, 265$
3	54	$n \equiv 1 \text{ or } 81 \pmod{648}$ except $n = 81$

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Table 2: Superspectra for  $p = 3$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
3	55	$n \equiv 1, 45, 121, 165, 265, 385, 441, \text{ or } 561 \pmod{660}$ except $n = 45, 121, 165, 265$
3	56	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
3	57	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{684}$ except $n = 153$
3	58	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{696}$ except $n = 145$
3	59	$n \equiv 1, 177, 237, \text{ or } 649 \pmod{708}$ except $n = 177, 237$
3	60	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
3	61	$n \equiv 1, 61, 489, \text{ or } 549 \pmod{732}$ except $n = 61$
3	62	$n \equiv 1, 217, 249, \text{ or } 465 \pmod{744}$ except $n = 217, 249$
3	63	$n \equiv 1, 189, 217, \text{ or } 729 \pmod{756}$ except $n = 189, 217$
3	64	$n \equiv 1 \text{ or } 513 \pmod{768}$
3	65	$n \equiv 1, 105, 261, 325, 481, 585, 625, \text{ or } 741 \pmod{780}$ except $n = 105, 261, 325$
3	66	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
3	67	$n \equiv 1, 201, 469, \text{ or } 537 \pmod{804}$ except $n = 201$
3	68	$n \equiv 1, 273, 289, \text{ or } 561 \pmod{816}$ except $n = 273, 289$
3	69	$n \equiv 1, 253, 369, \text{ or } 621 \pmod{828}$ except $n = 253, 369$
3	70	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
3	71	$n \equiv 1, 213, 285, \text{ or } 781 \pmod{852}$ except $n = 213, 285$
3	72	$n \equiv 1 \text{ or } 513 \pmod{864}$
3	73	$n \equiv 1, 73, 585, \text{ or } 657 \pmod{876}$ except $n = 73$
3	74	$n \equiv 1, 297, 481, \text{ or } 777 \pmod{888}$ except $n = 297$
3	75	$n \equiv 1, 225, 325, \text{ or } 801 \pmod{900}$ except $n = 225, 325$
3	76	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
3	77	$n \equiv 1, 133, 253, 309, 385, 441, 561, \text{ or } 693 \pmod{924}$ except $n = 133, 253, 309, 385, 441$

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Table 2: Superspectra for  $p = 3$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
3	78	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
3	79	$n \equiv 1, 237, 553, \text{ or } 633 \pmod{948}$ except $n = 237$
3	80	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
3	81	$n \equiv 1 \text{ or } 729 \pmod{972}$
3	82	$n \equiv 1, 369, 657, \text{ or } 697 \pmod{984}$ except $n = 369$
3	83	$n \equiv 1, 249, 333, \text{ or } 913 \pmod{996}$ except $n = 249, 333$
3	84	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
3	85	$n \equiv 1, 85, 205, 561, 681, 765, 885, \text{ or } 901 \pmod{1020}$ except $n = 85, 205$
3	86	$n \equiv 1, 129, 345, \text{ or } 817 \pmod{1032}$ except $n = 129, 345$
3	87	$n \equiv 1, 117, 145, \text{ or } 261 \pmod{1044}$ except $n = 117, 145, 261$
3	88	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
3	89	$n \equiv 1, 357, 445, \text{ or } 801 \pmod{1068}$ except $n = 357, 445$
3	90	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
3	91	$n \equiv 1, 105, 169, 273, 469, 637, 729, \text{ or } 897 \pmod{1092}$ except $n = 105, 169, 273, 469$
3	92	$n \equiv 1, 369, 529, \text{ or } 897 \pmod{1104}$ except $n = 369, 529$
3	93	$n \equiv 1, 217, 621, \text{ or } 837 \pmod{1116}$ except $n = 217$
3	94	$n \equiv 1, 705, 753, \text{ or } 1081 \pmod{1128}$
3	95	$n \equiv 1, 285, 361, 381, 685, 741, 1045, \text{ or } 1065 \pmod{1140}$ except $n = 285, 361, 381$
3	96	$n \equiv 1 \text{ or } 513 \pmod{1152}$ except $n = 513$
3	97	$n \equiv 1, 97, 777, \text{ or } 873 \pmod{1164}$ except $n = 97$
3	98	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{1176}$ except $n = 49, 393, 441$
3	99	$n \equiv 1, 297, 649, \text{ or } 837 \pmod{1188}$ except $n = 297$
3	100	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$

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Table 2: Superspectra for  $p = 3$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
3	101	$n \equiv 1, 405, 505, \text{ or } 909 \pmod{1212}$ except $n = 405, 505$
3	102	$n \equiv 1, 153, 289, \text{ or } 1089 \pmod{1224}$ except $n = 153, 289$
3	103	$n \equiv 1, 309, 721, \text{ or } 825 \pmod{1236}$ except $n = 309$
3	104	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
3	105	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
3	106	$n \equiv 1, 265, 849, \text{ or } 1113 \pmod{1272}$ except $n = 265$
3	107	$n \equiv 1, 321, 429, \text{ or } 1177 \pmod{1284}$ except $n = 321, 429$
3	108	$n \equiv 1 \text{ or } 81 \pmod{1296}$ except $n = 81$
3	109	$n \equiv 1, 109, 873, \text{ or } 981 \pmod{1308}$ except $n = 109$
3	110	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
3	111	$n \equiv 1, 37, 297, \text{ or } 333 \pmod{1332}$ except $n = 37, 297, 333$
3	112	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
3	113	$n \equiv 1, 453, 565, \text{ or } 1017 \pmod{1356}$ except $n = 453, 565$
3	114	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{1368}$ except $n = 153, 361, 513$
3	115	$n \equiv 1, 345, 621, 645, 805, 921, 1081, \text{ or } 1105 \pmod{1380}$ except $n = 345, 621, 645$
3	116	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{1392}$ except $n = 145, 465, 609$
3	117	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{1404}$ except $n = 325$
3	118	$n \equiv 1, 177, 649, \text{ or } 945 \pmod{1416}$ except $n = 177, 649$
3	119	$n \equiv 1, 85, 273, 357, 477, 561, 1225, \text{ or } 1309 \pmod{1428}$ except $n = 85, 273, 357, 477, 561$
3	120	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
3	121	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{1452}$ except $n = 121$
3	122	$n \equiv 1, 489, 793, \text{ or } 1281 \pmod{1464}$ except $n = 489$
3	123	$n \equiv 1, 369, 657, \text{ or } 1189 \pmod{1476}$ except $n = 369, 657$

*continued on next page*

Table 2: Superspectra for  $p = 3$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
3	124	$n \equiv 1, 465, 961, \text{ or } 993 \pmod{1488}$ except $n = 465$
3	125	$n \equiv 1, 501, 625, \text{ or } 1125 \pmod{1500}$ except $n = 501, 625$
3	126	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
3	127	$n \equiv 1, 381, 889, \text{ or } 1017 \pmod{1524}$ except $n = 381$
3	128	$n \equiv 1 \text{ or } 513 \pmod{1536}$ except $n = 513$

Table 3: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 4$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
4	2	$n \equiv 1 \pmod{32}$
4	3	$n \equiv 1 \text{ or } 33 \pmod{48}$
4	4	$n \equiv 1 \pmod{64}$
4	5	$n \equiv 1 \text{ or } 65 \pmod{80}$
4	6	$n \equiv 1 \text{ or } 33 \pmod{96}$ except $n = 33$
4	7	$n \equiv 1 \text{ or } 49 \pmod{112}$ except $n = 49$
4	8	$n \equiv 1 \pmod{128}$
4	9	$n \equiv 1 \text{ or } 81 \pmod{144}$
4	10	$n \equiv 1 \text{ or } 65 \pmod{160}$ except $n = 65$
4	11	$n \equiv 1 \text{ or } 33 \pmod{176}$ except $n = 33$
4	12	$n \equiv 1 \text{ or } 129 \pmod{192}$
4	13	$n \equiv 1 \text{ or } 65 \pmod{208}$ except $n = 65$
4	14	$n \equiv 1 \text{ or } 161 \pmod{224}$
4	15	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{240}$ except $n = 81$
4	16	$n \equiv 1 \pmod{256}$

*continued on next page*

Table 3: Superspectra for  $p = 4$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
4	17	$n \equiv 1$ or $17 \pmod{272}$ except $n = 17$
4	18	$n \equiv 1$ or $225 \pmod{288}$
4	19	$n \equiv 1$ or $209 \pmod{304}$
4	20	$n \equiv 1$ or $65 \pmod{320}$ except $n = 65$
4	21	$n \equiv 1, 49, 225, \text{ or } 273 \pmod{336}$ except $n = 49$
4	22	$n \equiv 1$ or $33 \pmod{352}$ except $n = 33$
4	23	$n \equiv 1$ or $161 \pmod{368}$ except $n = 161$
4	24	$n \equiv 1$ or $129 \pmod{384}$ except $n = 129$
4	25	$n \equiv 1$ or $225 \pmod{400}$
4	26	$n \equiv 1$ or $65 \pmod{416}$ except $n = 65$
4	27	$n \equiv 1$ or $81 \pmod{432}$ except $n = 81$
4	28	$n \equiv 1$ or $385 \pmod{448}$
4	29	$n \equiv 1$ or $145 \pmod{464}$ except $n = 145$
4	30	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
4	31	$n \equiv 1$ or $465 \pmod{496}$
4	32	$n \equiv 1 \pmod{512}$
4	33	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
4	34	$n \equiv 1$ or $289 \pmod{544}$
4	35	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
4	36	$n \equiv 1$ or $513 \pmod{576}$
4	37	$n \equiv 1$ or $481 \pmod{592}$
4	38	$n \equiv 1$ or $513 \pmod{608}$
4	39	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$
4	40	$n \equiv 1$ or $385 \pmod{640}$
4	41	$n \equiv 1$ or $369 \pmod{656}$

*continued on next page*

Table 3: Superspectra for  $p = 4$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
4	42	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
4	43	$n \equiv 1 \text{ or } 129 \pmod{688}$ except $n = 129$
4	44	$n \equiv 1 \text{ or } 385 \pmod{704}$
4	45	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
4	46	$n \equiv 1 \text{ or } 161 \pmod{736}$ except $n = 161$
4	47	$n \equiv 1 \text{ or } 705 \pmod{752}$
4	48	$n \equiv 1 \text{ or } 513 \pmod{768}$
4	49	$n \equiv 1 \text{ or } 49 \pmod{784}$ except $n = 49$
4	50	$n \equiv 1 \text{ or } 225 \pmod{800}$ except $n = 225$
4	51	$n \equiv 1, 273, 289, \text{ or } 561 \pmod{816}$ except $n = 273, 289$
4	52	$n \equiv 1 \text{ or } 65 \pmod{832}$ except $n = 65$
4	53	$n \equiv 1 \text{ or } 689 \pmod{848}$
4	54	$n \equiv 1 \text{ or } 513 \pmod{864}$
4	55	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
4	56	$n \equiv 1 \text{ or } 385 \pmod{896}$ except $n = 385$
4	57	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
4	58	$n \equiv 1 \text{ or } 609 \pmod{928}$
4	59	$n \equiv 1 \text{ or } 177 \pmod{944}$ except $n = 177$
4	60	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
4	61	$n \equiv 1 \text{ or } 305 \pmod{976}$ except $n = 305$
4	62	$n \equiv 1 \text{ or } 961 \pmod{992}$
4	63	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
4	64	$n \equiv 1 \pmod{1024}$
4	65	$n \equiv 1, 65, 481, \text{ or } 625 \pmod{1040}$ except $n = 65, 481$
4	66	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$

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Table 3: Superspectra for  $p = 4$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
4	67	$n \equiv 1$ or $737 \pmod{1072}$
4	68	$n \equiv 1$ or $833 \pmod{1088}$
4	69	$n \equiv 1, 369, 529, \text{ or } 897 \pmod{1104}$ except $n = 369, 529$
4	70	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
4	71	$n \equiv 1$ or $497 \pmod{1136}$ except $n = 497$
4	72	$n \equiv 1$ or $513 \pmod{1152}$ except $n = 513$
4	73	$n \equiv 1$ or $657 \pmod{1168}$
4	74	$n \equiv 1$ or $481 \pmod{1184}$ except $n = 481$
4	75	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
4	76	$n \equiv 1$ or $513 \pmod{1216}$ except $n = 513$
4	77	$n \equiv 1, 385, 561, \text{ or } 1057 \pmod{1232}$ except $n = 385, 561$
4	78	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
4	79	$n \equiv 1$ or $1185 \pmod{1264}$
4	80	$n \equiv 1$ or $1025 \pmod{1280}$
4	81	$n \equiv 1$ or $81 \pmod{1296}$ except $n = 81$
4	82	$n \equiv 1$ or $1025 \pmod{1312}$
4	83	$n \equiv 1$ or $913 \pmod{1328}$
4	84	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
4	85	$n \equiv 1, 545, 561, \text{ or } 1105 \pmod{1360}$ except $n = 545, 561$
4	86	$n \equiv 1$ or $129 \pmod{1376}$ except $n = 129$
4	87	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{1392}$ except $n = 145, 465, 609$
4	88	$n \equiv 1$ or $385 \pmod{1408}$ except $n = 385$
4	89	$n \equiv 1$ or $801 \pmod{1424}$
4	90	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
4	91	$n \equiv 1, 273, 833, \text{ or } 897 \pmod{1456}$ except $n = 273$

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Table 3: Superspectra for  $p = 4$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
4	92	$n \equiv 1$ or $897 \pmod{1472}$
4	93	$n \equiv 1, 465, 961, \text{ or } 993 \pmod{1488}$ except $n = 465$
4	94	$n \equiv 1$ or $705 \pmod{1504}$ except $n = 705$
4	95	$n \equiv 1, 305, 1121, \text{ or } 1425 \pmod{1520}$ except $n = 305$
4	96	$n \equiv 1$ or $513 \pmod{1536}$ except $n = 513$
4	97	$n \equiv 1$ or $97 \pmod{1552}$ except $n = 97$
4	98	$n \equiv 1$ or $833 \pmod{1568}$
4	99	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
4	100	$n \equiv 1$ or $1025 \pmod{1600}$
4	101	$n \equiv 1$ or $1313 \pmod{1616}$
4	102	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
4	103	$n \equiv 1$ or $721 \pmod{1648}$ except $n = 721$
4	104	$n \equiv 1$ or $897 \pmod{1664}$
4	105	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
4	106	$n \equiv 1$ or $1537 \pmod{1696}$
4	107	$n \equiv 1$ or $321 \pmod{1712}$ except $n = 321$
4	108	$n \equiv 1$ or $513 \pmod{1728}$ except $n = 513$
4	109	$n \equiv 1$ or $545 \pmod{1744}$ except $n = 545$
4	110	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
4	111	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{1776}$ except $n = 481$
4	112	$n \equiv 1$ or $1281 \pmod{1792}$
4	113	$n \equiv 1$ or $113 \pmod{1808}$ except $n = 113$
4	114	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
4	115	$n \equiv 1, 161, 1105, \text{ or } 1265 \pmod{1840}$ except $n = 161$
4	116	$n \equiv 1$ or $1537 \pmod{1856}$

*continued on next page*



Table 3: Superspectra for  $p = 4$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
4	117	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
4	118	$n \equiv 1 \text{ or } 1121 \pmod{1888}$
4	119	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{1904}$ except $n = 273, 561, 833$
4	120	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
4	121	$n \equiv 1 \text{ or } 1089 \pmod{1936}$
4	122	$n \equiv 1 \text{ or } 1281 \pmod{1952}$
4	123	$n \equiv 1, 369, 657, \text{ or } 1681 \pmod{1968}$ except $n = 369, 657$
4	124	$n \equiv 1 \text{ or } 961 \pmod{1984}$ except $n = 961$
4	125	$n \equiv 1 \text{ or } 625 \pmod{2000}$ except $n = 625$
4	126	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
4	127	$n \equiv 1 \text{ or } 1905 \pmod{2032}$
4	128	$n \equiv 1 \pmod{2048}$

Table 4: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 5$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
5	2	$n \equiv 1 \text{ or } 25 \pmod{40}$
5	3	$n \equiv 1, 21, 25, \text{ or } 45 \pmod{60}$ except $n = 21, 25$
5	4	$n \equiv 1 \text{ or } 65 \pmod{80}$
5	5	$n \equiv 1 \text{ or } 25 \pmod{100}$ except $n = 25$
5	6	$n \equiv 1, 25, 81, \text{ or } 105 \pmod{120}$ except $n = 25$
5	7	$n \equiv 1, 21, 85, \text{ or } 105 \pmod{140}$ except $n = 21$
5	8	$n \equiv 1 \text{ or } 65 \pmod{160}$ except $n = 65$
5	9	$n \equiv 1, 45, 81, \text{ or } 145 \pmod{180}$ except $n = 45, 81$

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Table 4: Superspectra for  $p = 5$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
5	10	$n \equiv 1$ or $25 \pmod{200}$ except $n = 25$
5	11	$n \equiv 1, 45, 121, \text{ or } 165 \pmod{220}$ except $n = 45$
5	12	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{240}$ except $n = 81$
5	13	$n \equiv 1, 65, 105, \text{ or } 221 \pmod{260}$ except $n = 65, 105$
5	14	$n \equiv 1, 105, 161, \text{ or } 225 \pmod{280}$ except $n = 105$
5	15	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{300}$ except $n = 25$
5	16	$n \equiv 1$ or $65 \pmod{320}$ except $n = 65$
5	17	$n \equiv 1, 85, 205, \text{ or } 221 \pmod{340}$ except $n = 85$
5	18	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
5	19	$n \equiv 1, 285, 305, \text{ or } 361 \pmod{380}$
5	20	$n \equiv 1$ or $225 \pmod{400}$
5	21	$n \equiv 1, 21, 85, 105, 141, 225, 301, \text{ or } 385 \pmod{420}$ except $n = 21, 85, 105, 141$
5	22	$n \equiv 1, 121, 265, \text{ or } 385 \pmod{440}$ except $n = 121$
5	23	$n \equiv 1, 161, 185, \text{ or } 345 \pmod{460}$ except $n = 161, 185$
5	24	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
5	25	$n \equiv 1$ or $125 \pmod{500}$ except $n = 125$
5	26	$n \equiv 1, 65, 105, \text{ or } 481 \pmod{520}$ except $n = 65, 105$
5	27	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{540}$ except $n = 81$
5	28	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
5	29	$n \equiv 1, 145, 261, \text{ or } 465 \pmod{580}$ except $n = 145, 261$
5	30	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
5	31	$n \equiv 1, 125, 341, \text{ or } 465 \pmod{620}$ except $n = 125$
5	32	$n \equiv 1$ or $385 \pmod{640}$
5	33	$n \equiv 1, 45, 121, 165, 265, 385, 441, \text{ or } 561 \pmod{660}$ except $n = 45, 121, 165, 265$

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Table 4: Superspectra for  $p = 5$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
5	34	$n \equiv 1, 425, 545, \text{ or } 561 \pmod{680}$
5	35	$n \equiv 1, 225, 301, \text{ or } 525 \pmod{700}$ except $n = 225, 301$
5	36	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
5	37	$n \equiv 1, 185, 445, \text{ or } 481 \pmod{740}$ except $n = 185$
5	38	$n \equiv 1, 305, 361, \text{ or } 665 \pmod{760}$ except $n = 305, 361$
5	39	$n \equiv 1, 105, 261, 325, 481, 585, 625, \text{ or } 741 \pmod{780}$ except $n = 105, 261, 325$
5	40	$n \equiv 1 \text{ or } 225 \pmod{800}$ except $n = 225$
5	41	$n \equiv 1, 41, 165, \text{ or } 205 \pmod{820}$ except $n = 41, 165, 205$
5	42	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
5	43	$n \equiv 1, 301, 345, \text{ or } 645 \pmod{860}$ except $n = 301, 345$
5	44	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
5	45	$n \equiv 1, 225, 325, \text{ or } 801 \pmod{900}$ except $n = 225, 325$
5	46	$n \equiv 1, 161, 185, \text{ or } 345 \pmod{920}$ except $n = 161, 185, 345$
5	47	$n \equiv 1, 141, 565, \text{ or } 705 \pmod{940}$ except $n = 141$
5	48	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
5	49	$n \equiv 1, 245, 441, \text{ or } 785 \pmod{980}$ except $n = 245, 441$
5	50	$n \equiv 1 \text{ or } 625 \pmod{1000}$
5	51	$n \equiv 1, 85, 205, 561, 681, 765, 885, \text{ or } 901 \pmod{1020}$ except $n = 85, 205$
5	52	$n \equiv 1, 65, 481, \text{ or } 625 \pmod{1040}$ except $n = 65, 481$
5	53	$n \equiv 1, 265, 425, \text{ or } 901 \pmod{1060}$ except $n = 265, 425$
5	54	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
5	55	$n \equiv 1, 825, 925, \text{ or } 1001 \pmod{1100}$
5	56	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$

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Table 4: Superspectra for  $p = 5$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
5	57	$n \equiv 1, 285, 361, 381, 685, 741, 1045, \text{ or } 1065 \pmod{1140}$ except $n = 285, 361, 381$
5	58	$n \equiv 1, 145, 465, \text{ or } 841 \pmod{1160}$ except $n = 145, 465$
5	59	$n \equiv 1, 885, 945, \text{ or } 1121 \pmod{1180}$
5	60	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
5	61	$n \equiv 1, 61, 245, \text{ or } 305 \pmod{1220}$ except $n = 61, 245, 305$
5	62	$n \equiv 1, 465, 745, \text{ or } 961 \pmod{1240}$ except $n = 465$
5	63	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
5	64	$n \equiv 1 \text{ or } 1025 \pmod{1280}$
5	65	$n \equiv 1, 325, 625, \text{ or } 1001 \pmod{1300}$ except $n = 325, 625$
5	66	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
5	67	$n \equiv 1, 201, 805, \text{ or } 1005 \pmod{1340}$ except $n = 201$
5	68	$n \equiv 1, 545, 561, \text{ or } 1105 \pmod{1360}$ except $n = 545, 561$
5	69	$n \equiv 1, 345, 621, 645, 805, 921, 1081, \text{ or } 1105 \pmod{1380}$ except $n = 345, 621, 645$
5	70	$n \equiv 1, 225, 1001, \text{ or } 1225 \pmod{1400}$ except $n = 225$
5	71	$n \equiv 1, 285, 781, \text{ or } 1065 \pmod{1420}$ except $n = 285$
5	72	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
5	73	$n \equiv 1, 365, 585, \text{ or } 1241 \pmod{1460}$ except $n = 365, 585$
5	74	$n \equiv 1, 185, 481, \text{ or } 1185 \pmod{1480}$ except $n = 185, 481$
5	75	$n \equiv 1, 501, 625, \text{ or } 1125 \pmod{1500}$ except $n = 501, 625$
5	76	$n \equiv 1, 305, 1121, \text{ or } 1425 \pmod{1520}$ except $n = 305$
5	77	$n \equiv 1, 385, 441, 561, 925, 1001, 1365, \text{ or } 1485 \pmod{1540}$ except $n = 385, 441, 561$

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Table 4: Superspectra for  $p = 5$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
5	78	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
5	79	$n \equiv 1, 1185, 1265, \text{ or } 1501 \pmod{1580}$
5	80	$n \equiv 1 \text{ or } 1025 \pmod{1600}$
5	81	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{1620}$ except $n = 81, 325, 405$
5	82	$n \equiv 1, 41, 985, \text{ or } 1025 \pmod{1640}$ except $n = 41$
5	83	$n \equiv 1, 581, 665, \text{ or } 1245 \pmod{1660}$ except $n = 581, 665$
5	84	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
5	85	$n \equiv 1, 425, 901, \text{ or } 1225 \pmod{1700}$ except $n = 425$
5	86	$n \equiv 1, 345, 1161, \text{ or } 1505 \pmod{1720}$ except $n = 345$
5	87	$n \equiv 1, 145, 261, 465, 841, 1045, 1161, \text{ or } 1305 \pmod{1740}$ except $n = 145, 261, 465, 841$
5	88	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
5	89	$n \equiv 1, 445, 801, \text{ or } 1425 \pmod{1780}$ except $n = 445, 801$
5	90	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
5	91	$n \equiv 1, 105, 365, 1001, 1261, 1365, 1561, \text{ or } 1625 \pmod{1820}$ except $n = 105, 365$
5	92	$n \equiv 1, 161, 1105, \text{ or } 1265 \pmod{1840}$ except $n = 161$
5	93	$n \equiv 1, 465, 621, 745, 961, 1365, 1581, \text{ or } 1705 \pmod{1860}$ except $n = 465, 621, 745$
5	94	$n \equiv 1, 705, 1081, \text{ or } 1505 \pmod{1880}$ except $n = 705$
5	95	$n \equiv 1, 1425, 1501, \text{ or } 1825 \pmod{1900}$
5	96	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
5	97	$n \equiv 1, 485, 1165, \text{ or } 1261 \pmod{1940}$ except $n = 485$
5	98	$n \equiv 1, 441, 785, \text{ or } 1225 \pmod{1960}$ except $n = 441, 785$

*continued on next page*

Table 4: Superspectra for  $p = 5$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
5	99	$n \equiv 1, 45, 441, 1045, 1441, 1485, 1585, \text{ or } 1881 \pmod{1980}$ except $n = 45, 441$
5	100	$n \equiv 1 \text{ or } 625 \pmod{2000}$ except $n = 625$
5	101	$n \equiv 1, 101, 405, \text{ or } 505 \pmod{2020}$ except $n = 101, 405, 505$
5	102	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
5	103	$n \equiv 1, 721, 825, \text{ or } 1545 \pmod{2060}$ except $n = 721, 825$
5	104	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
5	105	$n \equiv 1, 225, 301, 525, 925, 1225, 1401, \text{ or } 1701 \pmod{2100}$ except $n = 225, 301, 525, 925$
5	106	$n \equiv 1, 265, 425, \text{ or } 1961 \pmod{2120}$ except $n = 265, 425$
5	107	$n \equiv 1, 321, 1285, \text{ or } 1605 \pmod{2140}$ except $n = 321$
5	108	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
5	109	$n \equiv 1, 545, 981, \text{ or } 1745 \pmod{2180}$ except $n = 545, 981$
5	110	$n \equiv 1, 825, 1001, \text{ or } 2025 \pmod{2200}$ except $n = 825, 1001$
5	111	$n \equiv 1, 445, 481, 741, 925, 1185, 1221, \text{ or } 1665 \pmod{2220}$ except $n = 445, 481, 741, 925$
5	112	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
5	113	$n \equiv 1, 565, 905, \text{ or } 1921 \pmod{2260}$ except $n = 565, 905$
5	114	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
5	115	$n \equiv 1, 1725, 2001, \text{ or } 2025 \pmod{2300}$
5	116	$n \equiv 1, 145, 465, \text{ or } 2001 \pmod{2320}$ except $n = 145, 465$
5	117	$n \equiv 1, 261, 325, 585, 1261, 1405, 1521, \text{ or } 1665 \pmod{2340}$ except $n = 261, 325, 585$
5	118	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{2360}$ except $n = 945, 1121$

*continued on next page*

Table 4: Superspectra for  $p = 5$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
5	119	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, \text{ or } 2261 \pmod{2380}$ except $n = 85, 561$
5	120	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
5	121	$n \equiv 1, 121, 485, \text{ or } 605 \pmod{2420}$ except $n = 121, 485, 605$
5	122	$n \equiv 1, 305, 1281, \text{ or } 1465 \pmod{2440}$ except $n = 305$
5	123	$n \equiv 1, 165, 205, 861, 985, 1641, 1681, \text{ or } 1845 \pmod{2460}$ except $n = 165, 205, 861, 985$
5	124	$n \equiv 1, 465, 961, \text{ or } 1985 \pmod{2480}$ except $n = 465, 961$
5	125	$n \equiv 1 \text{ or } 625 \pmod{2500}$ except $n = 625$
5	126	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
5	127	$n \equiv 1, 381, 1525, \text{ or } 1905 \pmod{2540}$ except $n = 381$
5	128	$n \equiv 1 \text{ or } 1025 \pmod{2560}$ except $n = 1025$

Table 5: Superspectra of  $C_{2k}^p$  for  $p = 6$

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
6	2	$n \equiv 1 \text{ or } 33 \pmod{48}$
6	3	$n \equiv 1 \text{ or } 9 \pmod{72}$ except $n = 9$
6	4	$n \equiv 1 \text{ or } 33 \pmod{96}$ except $n = 33$
6	5	$n \equiv 1, 25, 81, \text{ or } 105 \pmod{120}$ except $n = 25$
6	6	$n \equiv 1 \text{ or } 81 \pmod{144}$
6	7	$n \equiv 1, 49, 57, \text{ or } 105 \pmod{168}$ except $n = 49, 57$
6	8	$n \equiv 1 \text{ or } 129 \pmod{192}$
6	9	$n \equiv 1 \text{ or } 81 \pmod{216}$ except $n = 81$

*continued on next page*

Table 5: Superspectra for  $p = 6$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
6	10	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{240}$ except $n = 81$
6	11	$n \equiv 1, 33, 121, \text{ or } 177 \pmod{264}$ except $n = 33, 121$
6	12	$n \equiv 1 \text{ or } 225 \pmod{288}$
6	13	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{312}$ except $n = 105$
6	14	$n \equiv 1, 49, 225, \text{ or } 273 \pmod{336}$ except $n = 49$
6	15	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
6	16	$n \equiv 1 \text{ or } 129 \pmod{384}$ except $n = 129$
6	17	$n \equiv 1, 153, 273, \text{ or } 289 \pmod{408}$ except $n = 153$
6	18	$n \equiv 1 \text{ or } 81 \pmod{432}$ except $n = 81$
6	19	$n \equiv 1, 57, 153, \text{ or } 361 \pmod{456}$ except $n = 57, 153$
6	20	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
6	21	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
6	22	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
6	23	$n \equiv 1, 345, 369, \text{ or } 529 \pmod{552}$
6	24	$n \equiv 1 \text{ or } 513 \pmod{576}$
6	25	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
6	26	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$
6	27	$n \equiv 1 \text{ or } 81 \pmod{648}$ except $n = 81$
6	28	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
6	29	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{696}$ except $n = 145$
6	30	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
6	31	$n \equiv 1, 217, 249, \text{ or } 465 \pmod{744}$ except $n = 217, 249$
6	32	$n \equiv 1 \text{ or } 513 \pmod{768}$
6	33	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
6	34	$n \equiv 1, 273, 289, \text{ or } 561 \pmod{816}$ except $n = 273, 289$

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Table 5: Superspectra for  $p = 6$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
6	35	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
6	36	$n \equiv 1 \text{ or } 513 \pmod{864}$
6	37	$n \equiv 1, 297, 481, \text{ or } 777 \pmod{888}$ except $n = 297$
6	38	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
6	39	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
6	40	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
6	41	$n \equiv 1, 369, 657, \text{ or } 697 \pmod{984}$ except $n = 369$
6	42	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
6	43	$n \equiv 1, 129, 345, \text{ or } 817 \pmod{1032}$ except $n = 129, 345$
6	44	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
6	45	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
6	46	$n \equiv 1, 369, 529, \text{ or } 897 \pmod{1104}$ except $n = 369, 529$
6	47	$n \equiv 1, 705, 753, \text{ or } 1081 \pmod{1128}$
6	48	$n \equiv 1 \text{ or } 513 \pmod{1152}$ except $n = 513$
6	49	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{1176}$ except $n = 49, 393, 441$
6	50	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
6	51	$n \equiv 1, 153, 289, \text{ or } 1089 \pmod{1224}$ except $n = 153, 289$
6	52	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
6	53	$n \equiv 1, 265, 849, \text{ or } 1113 \pmod{1272}$ except $n = 265$
6	54	$n \equiv 1 \text{ or } 81 \pmod{1296}$ except $n = 81$
6	55	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
6	56	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
6	57	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{1368}$ except $n = 153, 361, 513$
6	58	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{1392}$ except $n = 145, 465, 609$

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Table 5: Superspectra for  $p = 6$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
6	59	$n \equiv 1, 177, 649, \text{ or } 945 \pmod{1416}$ except $n = 177, 649$
6	60	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
6	61	$n \equiv 1, 489, 793, \text{ or } 1281 \pmod{1464}$ except $n = 489$
6	62	$n \equiv 1, 465, 961, \text{ or } 993 \pmod{1488}$ except $n = 465$
6	63	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
6	64	$n \equiv 1 \text{ or } 513 \pmod{1536}$ except $n = 513$
6	65	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
6	66	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
6	67	$n \equiv 1, 201, 537, \text{ or } 1273 \pmod{1608}$ except $n = 201, 537$
6	68	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
6	69	$n \equiv 1, 369, 1081, \text{ or } 1449 \pmod{1656}$ except $n = 369$
6	70	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
6	71	$n \equiv 1, 1065, 1137, \text{ or } 1633 \pmod{1704}$
6	72	$n \equiv 1 \text{ or } 513 \pmod{1728}$ except $n = 513$
6	73	$n \equiv 1, 73, 585, \text{ or } 657 \pmod{1752}$ except $n = 73, 585, 657$
6	74	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{1776}$ except $n = 481$
6	75	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
6	76	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
6	77	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
6	78	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
6	79	$n \equiv 1, 553, 633, \text{ or } 1185 \pmod{1896}$ except $n = 553, 633$
6	80	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
6	81	$n \equiv 1 \text{ or } 729 \pmod{1944}$ except $n = 729$

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Table 5: Superspectra for  $p = 6$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
6	82	$n \equiv 1, 369, 657, \text{ or } 1681 \pmod{1968}$ except $n = 369, 657$
6	83	$n \equiv 1, 249, 913, \text{ or } 1329 \pmod{1992}$ except $n = 249, 913$
6	84	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
6	85	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
6	86	$n \equiv 1, 129, 817, \text{ or } 1377 \pmod{2064}$ except $n = 129, 817$
6	87	$n \equiv 1, 145, 1161, \text{ or } 1305 \pmod{2088}$ except $n = 145$
6	88	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
6	89	$n \equiv 1, 801, 1425, \text{ or } 1513 \pmod{2136}$ except $n = 801$
6	90	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
6	91	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
6	92	$n \equiv 1, 897, 1473, \text{ or } 1633 \pmod{2208}$ except $n = 897$
6	93	$n \equiv 1, 217, 1737, \text{ or } 1953 \pmod{2232}$ except $n = 217$
6	94	$n \equiv 1, 705, 753, \text{ or } 2209 \pmod{2256}$ except $n = 705, 753$
6	95	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
6	96	$n \equiv 1 \text{ or } 513 \pmod{2304}$ except $n = 513$
6	97	$n \equiv 1, 97, 777, \text{ or } 873 \pmod{2328}$ except $n = 97, 777, 873$
6	98	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
6	99	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
6	100	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
6	101	$n \equiv 1, 505, 1617, \text{ or } 2121 \pmod{2424}$ except $n = 505$
6	102	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
6	103	$n \equiv 1, 721, 825, \text{ or } 1545 \pmod{2472}$ except $n = 721, 825$
6	104	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$

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Table 5: Superspectra for  $p = 6$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
6	105	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
6	106	$n \equiv 1, 849, 1537, \text{ or } 2385 \pmod{2544}$ except $n = 849$
6	107	$n \equiv 1, 321, 1177, \text{ or } 1713 \pmod{2568}$ except $n = 321, 1177$
6	108	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
6	109	$n \equiv 1, 873, 1417, \text{ or } 2289 \pmod{2616}$ except $n = 873$
6	110	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
6	111	$n \equiv 1, 297, 1369, \text{ or } 1665 \pmod{2664}$ except $n = 297$
6	112	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
6	113	$n \equiv 1, 1017, 1809, \text{ or } 1921 \pmod{2712}$ except $n = 1017$
6	114	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
6	115	$n \equiv 1, 345, 921, 1081, 1105, 2001, 2025, \text{ or } 2185 \pmod{2760}$ except $n = 345, 921, 1081, 1105$
6	116	$n \equiv 1, 609, 1537, \text{ or } 1857 \pmod{2784}$ except $n = 609$
6	117	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$
6	118	$n \equiv 1, 177, 945, \text{ or } 2065 \pmod{2832}$ except $n = 177, 945$
6	119	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
6	120	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
6	121	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{2904}$ except $n = 121, 969, 1089$
6	122	$n \equiv 1, 1281, 1953, \text{ or } 2257 \pmod{2928}$ except $n = 1281$
6	123	$n \equiv 1, 369, 657, \text{ or } 2665 \pmod{2952}$ except $n = 369, 657$
6	124	$n \equiv 1, 961, 993, \text{ or } 1953 \pmod{2976}$ except $n = 961, 993$
6	125	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{3000}$ except $n = 625$
6	126	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
6	127	$n \equiv 1, 889, 1017, \text{ or } 1905 \pmod{3048}$ except $n = 889, 1017$

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Table 5: Superspectra for  $p = 6$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
6	128	$n \equiv 1$ or $2049 \pmod{3072}$

Table 6: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 7$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
7	2	$n \equiv 1$ or $49 \pmod{56}$
7	3	$n \equiv 1, 21, 49, \text{ or } 57 \pmod{84}$ except $n = 21$
7	4	$n \equiv 1$ or $49 \pmod{112}$ except $n = 49$
7	5	$n \equiv 1, 21, 85, \text{ or } 105 \pmod{140}$ except $n = 21$
7	6	$n \equiv 1, 49, 57, \text{ or } 105 \pmod{168}$ except $n = 49, 57$
7	7	$n \equiv 1$ or $49 \pmod{196}$ except $n = 49$
7	8	$n \equiv 1$ or $161 \pmod{224}$
7	9	$n \equiv 1, 189, 217, \text{ or } 225 \pmod{252}$
7	10	$n \equiv 1, 105, 161, \text{ or } 225 \pmod{280}$ except $n = 105$
7	11	$n \equiv 1, 77, 133, \text{ or } 253 \pmod{308}$ except $n = 77, 133$
7	12	$n \equiv 1, 49, 225, \text{ or } 273 \pmod{336}$ except $n = 49$
7	13	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{364}$ except $n = 105, 169$
7	14	$n \equiv 1$ or $49 \pmod{392}$ except $n = 49$
7	15	$n \equiv 1, 21, 85, 105, 141, 225, 301, \text{ or } 385 \pmod{420}$ except $n = 21, 85, 105, 141$
7	16	$n \equiv 1$ or $385 \pmod{448}$
7	17	$n \equiv 1, 85, 273, \text{ or } 357 \pmod{476}$ except $n = 85$
7	18	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
7	19	$n \equiv 1, 57, 77, \text{ or } 133 \pmod{532}$ except $n = 57, 77, 133$
7	20	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$

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Table 6: Superspectra for  $p = 7$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
7	21	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{588}$ except $n = 49$
7	22	$n \equiv 1, 385, 441, \text{ or } 561 \pmod{616}$
7	23	$n \equiv 1, 161, 253, \text{ or } 553 \pmod{644}$ except $n = 161, 253$
7	24	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
7	25	$n \equiv 1, 225, 301, \text{ or } 525 \pmod{700}$ except $n = 225, 301$
7	26	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{728}$ except $n = 105, 169, 273$
7	27	$n \equiv 1, 189, 217, \text{ or } 729 \pmod{756}$ except $n = 189, 217$
7	28	$n \equiv 1 \text{ or } 49 \pmod{784}$ except $n = 49$
7	29	$n \equiv 1, 29, 581, \text{ or } 609 \pmod{812}$ except $n = 29$
7	30	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
7	31	$n \equiv 1, 217, 497, \text{ or } 589 \pmod{868}$ except $n = 217$
7	32	$n \equiv 1 \text{ or } 385 \pmod{896}$ except $n = 385$
7	33	$n \equiv 1, 133, 253, 309, 385, 441, 561, \text{ or } 693 \pmod{924}$ except $n = 133, 253, 309, 385, 441$
7	34	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{952}$ except $n = 273$
7	35	$n \equiv 1, 245, 441, \text{ or } 785 \pmod{980}$ except $n = 245, 441$
7	36	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
7	37	$n \equiv 1, 777, 889, \text{ or } 925 \pmod{1036}$
7	38	$n \equiv 1, 57, 609, \text{ or } 665 \pmod{1064}$ except $n = 57$
7	39	$n \equiv 1, 105, 169, 273, 469, 637, 729, \text{ or } 897 \pmod{1092}$ except $n = 105, 169, 273, 469$
7	40	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
7	41	$n \equiv 1, 329, 533, \text{ or } 861 \pmod{1148}$ except $n = 329, 533$
7	42	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{1176}$ except $n = 49, 393, 441$
7	43	$n \equiv 1, 301, 645, \text{ or } 861 \pmod{1204}$ except $n = 301$

*continued on next page*

Table 6: Superspectra for  $p = 7$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
7	44	$n \equiv 1, 385, 561, \text{ or } 1057 \pmod{1232}$ except $n = 385, 561$
7	45	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
7	46	$n \equiv 1, 161, 553, \text{ or } 897 \pmod{1288}$ except $n = 161, 553$
7	47	$n \equiv 1, 141, 189, \text{ or } 329 \pmod{1316}$ except $n = 141, 189, 329$
7	48	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
7	49	$n \equiv 1 \text{ or } 1029 \pmod{1372}$
7	50	$n \equiv 1, 225, 1001, \text{ or } 1225 \pmod{1400}$ except $n = 225$
7	51	$n \equiv 1, 85, 273, 357, 477, 561, 1225, \text{ or } 1309 \pmod{1428}$ except $n = 85, 273, 357, 477, 561$
7	52	$n \equiv 1, 273, 833, \text{ or } 897 \pmod{1456}$ except $n = 273$
7	53	$n \equiv 1, 477, 637, \text{ or } 1113 \pmod{1484}$ except $n = 477, 637$
7	54	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
7	55	$n \equiv 1, 385, 441, 561, 925, 1001, 1365, \text{ or } 1485 \pmod{1540}$ except $n = 385, 441, 561$
7	56	$n \equiv 1 \text{ or } 833 \pmod{1568}$
7	57	$n \equiv 1, 57, 133, 589, 609, 1065, 1141, \text{ or } 1197 \pmod{1596}$ except $n = 57, 133, 589, 609$
7	58	$n \equiv 1, 609, 841, \text{ or } 1393 \pmod{1624}$ except $n = 609$
7	59	$n \equiv 1, 413, 945, \text{ or } 1121 \pmod{1652}$ except $n = 413$
7	60	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
7	61	$n \equiv 1, 245, 1037, \text{ or } 1281 \pmod{1708}$ except $n = 245$
7	62	$n \equiv 1, 217, 497, \text{ or } 1457 \pmod{1736}$ except $n = 217, 497$
7	63	$n \equiv 1, 441, 981, \text{ or } 1225 \pmod{1764}$ except $n = 441$
7	64	$n \equiv 1 \text{ or } 1281 \pmod{1792}$

*continued on next page*

Table 6: Superspectra for  $p = 7$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
7	65	$n \equiv 1, 105, 365, 1001, 1261, 1365, 1561, \text{ or } 1625 \pmod{1820}$ except $n = 105, 365$
7	66	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
7	67	$n \equiv 1, 469, 805, \text{ or } 1541 \pmod{1876}$ except $n = 469, 805$
7	68	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{1904}$ except $n = 273, 561, 833$
7	69	$n \equiv 1, 253, 553, 645, 805, 897, 1197, \text{ or } 1449 \pmod{1932}$ except $n = 253, 553, 645, 805, 897$
7	70	$n \equiv 1, 441, 785, \text{ or } 1225 \pmod{1960}$ except $n = 441, 785$
7	71	$n \equiv 1, 497, 1065, \text{ or } 1421 \pmod{1988}$ except $n = 497$
7	72	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
7	73	$n \equiv 1, 365, 1169, \text{ or } 1533 \pmod{2044}$ except $n = 365$
7	74	$n \equiv 1, 777, 889, \text{ or } 1961 \pmod{2072}$ except $n = 777, 889$
7	75	$n \equiv 1, 225, 301, 525, 925, 1225, 1401, \text{ or } 1701 \pmod{2100}$ except $n = 225, 301, 525, 925$
7	76	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{2128}$ except $n = 609$
7	77	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{2156}$ except $n = 441$
7	78	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
7	79	$n \equiv 1, 553, 869, \text{ or } 1897 \pmod{2212}$ except $n = 553, 869$
7	80	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
7	81	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{2268}$ except $n = 729, 973$
7	82	$n \equiv 1, 329, 1681, \text{ or } 2009 \pmod{2296}$ except $n = 329$
7	83	$n \equiv 1, 581, 665, \text{ or } 2241 \pmod{2324}$ except $n = 581, 665$
7	84	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
7	85	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, \text{ or } 2261 \pmod{2380}$ except $n = 85, 561$

*continued on next page*



Table 6: Superspectra for  $p = 7$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
7	86	$n \equiv 1, 1505, 1849, \text{ or } 2065 \pmod{2408}$
7	87	$n \equiv 1, 609, 813, 841, 1393, 1653, 2205, \text{ or } 2233 \pmod{2436}$ except $n = 609, 813, 841$
7	88	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
7	89	$n \equiv 1, 357, 1513, \text{ or } 1869 \pmod{2492}$ except $n = 357$
7	90	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
7	91	$n \equiv 1, 637, 833, \text{ or } 2353 \pmod{2548}$ except $n = 637, 833$
7	92	$n \equiv 1, 161, 897, \text{ or } 1841 \pmod{2576}$ except $n = 161, 897$
7	93	$n \equiv 1, 217, 589, 1365, 1737, 1953, 2233, \text{ or } 2325 \pmod{2604}$ except $n = 217, 589$
7	94	$n \equiv 1, 329, 1457, \text{ or } 1505 \pmod{2632}$ except $n = 329$
7	95	$n \equiv 1, 665, 1065, 1121, 1141, 2185, 2205, \text{ or } 2261 \pmod{2660}$ except $n = 665, 1065, 1121, 1141$
7	96	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
7	97	$n \equiv 1, 777, 1261, \text{ or } 2037 \pmod{2716}$ except $n = 777, 1261$
7	98	$n \equiv 1 \text{ or } 2401 \pmod{2744}$
7	99	$n \equiv 1, 253, 441, 693, 1233, 1485, 1981, \text{ or } 2233 \pmod{2772}$ except $n = 253, 441, 693, 1233$
7	100	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{2800}$ except $n = 225$
7	101	$n \equiv 1, 505, 1617, \text{ or } 2121 \pmod{2828}$ except $n = 505$
7	102	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
7	103	$n \equiv 1, 309, 413, \text{ or } 721 \pmod{2884}$ except $n = 309, 413, 721$
7	104	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
7	105	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2401, \text{ or } 2745 \pmod{2940}$ except $n = 441, 981, 1225$

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Table 6: Superspectra for  $p = 7$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
7	106	$n \equiv 1, 1113, 1961, \text{ or } 2121 \pmod{2968}$ except $n = 1113$
7	107	$n \equiv 1, 749, 1177, \text{ or } 2569 \pmod{2996}$ except $n = 749, 1177$
7	108	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
7	109	$n \equiv 1, 981, 1309, \text{ or } 2289 \pmod{3052}$ except $n = 981, 1309$
7	110	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
7	111	$n \equiv 1, 777, 889, 925, 1813, 2073, 2961, \text{ or } 2997 \pmod{3108}$ except $n = 777, 889, 925$
7	112	$n \equiv 1 \text{ or } 833 \pmod{3136}$ except $n = 833$
7	113	$n \equiv 1, 113, 2261, \text{ or } 2373 \pmod{3164}$ except $n = 113$
7	114	$n \equiv 1, 57, 609, 1065, 1729, 2185, 2737, \text{ or } 2793 \pmod{3192}$ except $n = 57, 609, 1065$
7	115	$n \equiv 1, 161, 645, 805, 1541, 1841, 2185, \text{ or } 2485 \pmod{3220}$ except $n = 161, 645, 805, 1541$
7	116	$n \equiv 1, 609, 1393, \text{ or } 2465 \pmod{3248}$ except $n = 609, 1393$
7	117	$n \equiv 1, 469, 729, 1197, 1261, 1729, 1989, \text{ or } 2457 \pmod{3276}$ except $n = 469, 729, 1197, 1261$
7	118	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{3304}$ except $n = 945, 1121$
7	119	$n \equiv 1, 833, 1225, \text{ or } 2941 \pmod{3332}$ except $n = 833, 1225$
7	120	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
7	121	$n \equiv 1, 2541, 2905, \text{ or } 3025 \pmod{3388}$
7	122	$n \equiv 1, 1281, 1953, \text{ or } 2745 \pmod{3416}$ except $n = 1281$
7	123	$n \equiv 1, 861, 1149, 1477, 1681, 2625, 2829, \text{ or } 3157 \pmod{3444}$ except $n = 861, 1149, 1477, 1681$
7	124	$n \equiv 1, 497, 1457, \text{ or } 1953 \pmod{3472}$ except $n = 497, 1457$
7	125	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{3500}$ except $n = 1001, 1625$

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Table 6: Superspectra for  $p = 7$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
7	126	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
7	127	$n \equiv 1, 889, 1905, \text{ or } 2541 \pmod{3556}$ except $n = 889$
7	128	$n \equiv 1 \text{ or } 3073 \pmod{3584}$

Table 7: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 8$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
8	2	$n \equiv 1 \pmod{64}$
8	3	$n \equiv 1 \text{ or } 33 \pmod{96}$ except $n = 33$
8	4	$n \equiv 1 \pmod{128}$
8	5	$n \equiv 1 \text{ or } 65 \pmod{160}$ except $n = 65$
8	6	$n \equiv 1 \text{ or } 129 \pmod{192}$
8	7	$n \equiv 1 \text{ or } 161 \pmod{224}$
8	8	$n \equiv 1 \pmod{256}$
8	9	$n \equiv 1 \text{ or } 225 \pmod{288}$
8	10	$n \equiv 1 \text{ or } 65 \pmod{320}$ except $n = 65$
8	11	$n \equiv 1 \text{ or } 33 \pmod{352}$ except $n = 33$
8	12	$n \equiv 1 \text{ or } 129 \pmod{384}$ except $n = 129$
8	13	$n \equiv 1 \text{ or } 65 \pmod{416}$ except $n = 65$
8	14	$n \equiv 1 \text{ or } 385 \pmod{448}$
8	15	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
8	16	$n \equiv 1 \pmod{512}$
8	17	$n \equiv 1 \text{ or } 289 \pmod{544}$
8	18	$n \equiv 1 \text{ or } 513 \pmod{576}$

*continued on next page*

Table 7: Superspectra for  $p = 8$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
8	19	$n \equiv 1$ or $513 \pmod{608}$
8	20	$n \equiv 1$ or $385 \pmod{640}$
8	21	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
8	22	$n \equiv 1$ or $385 \pmod{704}$
8	23	$n \equiv 1$ or $161 \pmod{736}$ except $n = 161$
8	24	$n \equiv 1$ or $513 \pmod{768}$
8	25	$n \equiv 1$ or $225 \pmod{800}$ except $n = 225$
8	26	$n \equiv 1$ or $65 \pmod{832}$ except $n = 65$
8	27	$n \equiv 1$ or $513 \pmod{864}$
8	28	$n \equiv 1$ or $385 \pmod{896}$ except $n = 385$
8	29	$n \equiv 1$ or $609 \pmod{928}$
8	30	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
8	31	$n \equiv 1$ or $961 \pmod{992}$
8	32	$n \equiv 1 \pmod{1024}$
8	33	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
8	34	$n \equiv 1$ or $833 \pmod{1088}$
8	35	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
8	36	$n \equiv 1$ or $513 \pmod{1152}$ except $n = 513$
8	37	$n \equiv 1$ or $481 \pmod{1184}$ except $n = 481$
8	38	$n \equiv 1$ or $513 \pmod{1216}$ except $n = 513$
8	39	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
8	40	$n \equiv 1$ or $1025 \pmod{1280}$
8	41	$n \equiv 1$ or $1025 \pmod{1312}$
8	42	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
8	43	$n \equiv 1$ or $129 \pmod{1376}$ except $n = 129$

*continued on next page*

Table 7: Superspectra for  $p = 8$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
8	44	$n \equiv 1$ or $385 \pmod{1408}$ except $n = 385$
8	45	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
8	46	$n \equiv 1$ or $897 \pmod{1472}$
8	47	$n \equiv 1$ or $705 \pmod{1504}$ except $n = 705$
8	48	$n \equiv 1$ or $513 \pmod{1536}$ except $n = 513$
8	49	$n \equiv 1$ or $833 \pmod{1568}$
8	50	$n \equiv 1$ or $1025 \pmod{1600}$
8	51	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
8	52	$n \equiv 1$ or $897 \pmod{1664}$
8	53	$n \equiv 1$ or $1537 \pmod{1696}$
8	54	$n \equiv 1$ or $513 \pmod{1728}$ except $n = 513$
8	55	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
8	56	$n \equiv 1$ or $1281 \pmod{1792}$
8	57	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
8	58	$n \equiv 1$ or $1537 \pmod{1856}$
8	59	$n \equiv 1$ or $1121 \pmod{1888}$
8	60	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
8	61	$n \equiv 1$ or $1281 \pmod{1952}$
8	62	$n \equiv 1$ or $961 \pmod{1984}$ except $n = 961$
8	63	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
8	64	$n \equiv 1 \pmod{2048}$
8	65	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
8	66	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
8	67	$n \equiv 1$ or $737 \pmod{2144}$ except $n = 737$
8	68	$n \equiv 1$ or $1921 \pmod{2176}$

*continued on next page*

Table 7: Superspectra for  $p = 8$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
8	69	$n \equiv 1, 897, 1473, \text{ or } 1633 \pmod{2208}$ except $n = 897$
8	70	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
8	71	$n \equiv 1 \text{ or } 1633 \pmod{2272}$
8	72	$n \equiv 1 \text{ or } 513 \pmod{2304}$ except $n = 513$
8	73	$n \equiv 1 \text{ or } 1825 \pmod{2336}$
8	74	$n \equiv 1 \text{ or } 1665 \pmod{2368}$
8	75	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
8	76	$n \equiv 1 \text{ or } 513 \pmod{2432}$ except $n = 513$
8	77	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
8	78	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
8	79	$n \equiv 1 \text{ or } 1185 \pmod{2528}$ except $n = 1185$
8	80	$n \equiv 1 \text{ or } 1025 \pmod{2560}$ except $n = 1025$
8	81	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
8	82	$n \equiv 1 \text{ or } 1025 \pmod{2624}$ except $n = 1025$
8	83	$n \equiv 1 \text{ or } 2241 \pmod{2656}$
8	84	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
8	85	$n \equiv 1, 545, 1921, \text{ or } 2465 \pmod{2720}$ except $n = 545$
8	86	$n \equiv 1 \text{ or } 129 \pmod{2752}$ except $n = 129$
8	87	$n \equiv 1, 609, 1537, \text{ or } 1857 \pmod{2784}$ except $n = 609$
8	88	$n \equiv 1 \text{ or } 1793 \pmod{2816}$
8	89	$n \equiv 1 \text{ or } 801 \pmod{2848}$ except $n = 801$
8	90	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
8	91	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
8	92	$n \equiv 1 \text{ or } 897 \pmod{2944}$ except $n = 897$
8	93	$n \equiv 1, 961, 993, \text{ or } 1953 \pmod{2976}$ except $n = 961, 993$

*continued on next page*

Table 7: Superspectra for  $p = 8$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
8	94	$n \equiv 1$ or $705 \pmod{3008}$ except $n = 705$
8	95	$n \equiv 1, 1121, 1825, \text{ or } 2945 \pmod{3040}$ except $n = 1121$
8	96	$n \equiv 1$ or $2049 \pmod{3072}$
8	97	$n \equiv 1$ or $97 \pmod{3104}$ except $n = 97$
8	98	$n \equiv 1$ or $833 \pmod{3136}$ except $n = 833$
8	99	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
8	100	$n \equiv 1$ or $1025 \pmod{3200}$ except $n = 1025$
8	101	$n \equiv 1$ or $1313 \pmod{3232}$ except $n = 1313$
8	102	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
8	103	$n \equiv 1$ or $2369 \pmod{3296}$
8	104	$n \equiv 1$ or $2561 \pmod{3328}$
8	105	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
8	106	$n \equiv 1$ or $1537 \pmod{3392}$ except $n = 1537$
8	107	$n \equiv 1$ or $321 \pmod{3424}$ except $n = 321$
8	108	$n \equiv 1$ or $513 \pmod{3456}$ except $n = 513$
8	109	$n \equiv 1$ or $545 \pmod{3488}$ except $n = 545$
8	110	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
8	111	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{3552}$ except $n = 481, 1185, 1665$
8	112	$n \equiv 1$ or $3073 \pmod{3584}$
8	113	$n \equiv 1$ or $1921 \pmod{3616}$
8	114	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
8	115	$n \equiv 1, 161, 2945, \text{ or } 3105 \pmod{3680}$ except $n = 161$
8	116	$n \equiv 1$ or $1537 \pmod{3712}$ except $n = 1537$
8	117	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
8	118	$n \equiv 1$ or $3009 \pmod{3776}$

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Table 7: Superspectra for  $p = 8$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
8	119	$n \equiv 1, 833, 2177, \text{ or } 2465 \pmod{3808}$ except $n = 833$
8	120	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
8	121	$n \equiv 1 \text{ or } 1089 \pmod{3872}$ except $n = 1089$
8	122	$n \equiv 1 \text{ or } 1281 \pmod{3904}$ except $n = 1281$
8	123	$n \equiv 1, 2337, 2625, \text{ or } 3649 \pmod{3936}$
8	124	$n \equiv 1 \text{ or } 2945 \pmod{3968}$
8	125	$n \equiv 1 \text{ or } 2625 \pmod{4000}$
8	126	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
8	127	$n \equiv 1 \text{ or } 3937 \pmod{4064}$
8	128	$n \equiv 1 \pmod{4096}$

Table 8: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 9$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
9	2	$n \equiv 1 \text{ or } 9 \pmod{72}$ except $n = 9$
9	3	$n \equiv 1 \text{ or } 81 \pmod{108}$
9	4	$n \equiv 1 \text{ or } 81 \pmod{144}$
9	5	$n \equiv 1, 45, 81, \text{ or } 145 \pmod{180}$ except $n = 45, 81$
9	6	$n \equiv 1 \text{ or } 81 \pmod{216}$ except $n = 81$
9	7	$n \equiv 1, 189, 217, \text{ or } 225 \pmod{252}$
9	8	$n \equiv 1 \text{ or } 225 \pmod{288}$
9	9	$n \equiv 1 \text{ or } 81 \pmod{324}$ except $n = 81$
9	10	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
9	11	$n \equiv 1, 45, 253, \text{ or } 297 \pmod{396}$ except $n = 45$

*continued on next page*



Table 8: Superspectra for  $p = 9$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
9	12	$n \equiv 1$ or $81 \pmod{432}$ except $n = 81$
9	13	$n \equiv 1, 117, 261, \text{ or } 325 \pmod{468}$ except $n = 117$
9	14	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
9	15	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{540}$ except $n = 81$
9	16	$n \equiv 1$ or $513 \pmod{576}$
9	17	$n \equiv 1, 153, 289, \text{ or } 477 \pmod{612}$ except $n = 153, 289$
9	18	$n \equiv 1$ or $81 \pmod{648}$ except $n = 81$
9	19	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{684}$ except $n = 153$
9	20	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
9	21	$n \equiv 1, 189, 217, \text{ or } 729 \pmod{756}$ except $n = 189, 217$
9	22	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
9	23	$n \equiv 1, 253, 369, \text{ or } 621 \pmod{828}$ except $n = 253, 369$
9	24	$n \equiv 1$ or $513 \pmod{864}$
9	25	$n \equiv 1, 225, 325, \text{ or } 801 \pmod{900}$ except $n = 225, 325$
9	26	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
9	27	$n \equiv 1$ or $729 \pmod{972}$
9	28	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
9	29	$n \equiv 1, 117, 145, \text{ or } 261 \pmod{1044}$ except $n = 117, 145, 261$
9	30	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
9	31	$n \equiv 1, 217, 621, \text{ or } 837 \pmod{1116}$ except $n = 217$
9	32	$n \equiv 1$ or $513 \pmod{1152}$ except $n = 513$
9	33	$n \equiv 1, 297, 649, \text{ or } 837 \pmod{1188}$ except $n = 297$
9	34	$n \equiv 1, 153, 289, \text{ or } 1089 \pmod{1224}$ except $n = 153, 289$
9	35	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
9	36	$n \equiv 1$ or $81 \pmod{1296}$ except $n = 81$

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Table 8: Superspectra for  $p = 9$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
9	37	$n \equiv 1, 37, 297, \text{ or } 333 \pmod{1332}$ except $n = 37, 297, 333$
9	38	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{1368}$ except $n = 153, 361, 513$
9	39	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{1404}$ except $n = 325$
9	40	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
9	41	$n \equiv 1, 369, 657, \text{ or } 1189 \pmod{1476}$ except $n = 369, 657$
9	42	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
9	43	$n \equiv 1, 1161, 1333, \text{ or } 1377 \pmod{1548}$
9	44	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
9	45	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{1620}$ except $n = 81, 325, 405$
9	46	$n \equiv 1, 369, 1081, \text{ or } 1449 \pmod{1656}$ except $n = 369$
9	47	$n \equiv 1, 189, 1081, \text{ or } 1269 \pmod{1692}$ except $n = 189$
9	48	$n \equiv 1 \text{ or } 513 \pmod{1728}$ except $n = 513$
9	49	$n \equiv 1, 441, 981, \text{ or } 1225 \pmod{1764}$ except $n = 441$
9	50	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
9	51	$n \equiv 1, 1377, 1513, \text{ or } 1701 \pmod{1836}$
9	52	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
9	53	$n \equiv 1, 477, 901, \text{ or } 1485 \pmod{1908}$ except $n = 477, 901$
9	54	$n \equiv 1 \text{ or } 729 \pmod{1944}$ except $n = 729$
9	55	$n \equiv 1, 45, 441, 1045, 1441, 1485, 1585, \text{ or } 1881 \pmod{1980}$ except $n = 45, 441$
9	56	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
9	57	$n \equiv 1, 513, 837, \text{ or } 1729 \pmod{2052}$ except $n = 513, 837$
9	58	$n \equiv 1, 145, 1161, \text{ or } 1305 \pmod{2088}$ except $n = 145$
9	59	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{2124}$ except $n = 649, 945$
9	60	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
9	61	$n \equiv 1, 549, 793, \text{ or } 1953 \pmod{2196}$ except $n = 549, 793$

*continued on next page*

Table 8: Superspectra for  $p = 9$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
9	62	$n \equiv 1, 217, 1737, \text{ or } 1953 \pmod{2232}$ except $n = 217$
9	63	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{2268}$ except $n = 729, 973$
9	64	$n \equiv 1 \text{ or } 513 \pmod{2304}$ except $n = 513$
9	65	$n \equiv 1, 261, 325, 585, 1261, 1405, 1521, \text{ or } 1665 \pmod{2340}$ except $n = 261, 325, 585$
9	66	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
9	67	$n \equiv 1, 469, 1341, \text{ or } 1809 \pmod{2412}$ except $n = 469$
9	68	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
9	69	$n \equiv 1, 621, 1081, \text{ or } 2025 \pmod{2484}$ except $n = 621, 1081$
9	70	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
9	71	$n \equiv 1, 1917, 1989, \text{ or } 2485 \pmod{2556}$
9	72	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
9	73	$n \equiv 1, 73, 585, \text{ or } 657 \pmod{2628}$ except $n = 73, 585, 657$
9	74	$n \equiv 1, 297, 1369, \text{ or } 1665 \pmod{2664}$ except $n = 297$
9	75	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{2700}$ except $n = 325$
9	76	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
9	77	$n \equiv 1, 253, 441, 693, 1233, 1485, 1981, \text{ or } 2233 \pmod{2772}$ except $n = 253, 441, 693, 1233$
9	78	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$
9	79	$n \equiv 1, 2133, 2449, \text{ or } 2529 \pmod{2844}$
9	80	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
9	81	$n \equiv 1 \text{ or } 729 \pmod{2916}$ except $n = 729$
9	82	$n \equiv 1, 369, 657, \text{ or } 2665 \pmod{2952}$ except $n = 369, 657$
9	83	$n \equiv 1, 333, 1909, \text{ or } 2241 \pmod{2988}$ except $n = 333$
9	84	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$

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Table 8: Superspectra for  $p = 9$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
9	85	$n \equiv 1, 765, 901, 1225, 1701, 2125, 2601, \text{ or } 2925 \pmod{3060}$ except $n = 765, 901, 1225$
9	86	$n \equiv 1, 1161, 1377, \text{ or } 2881 \pmod{3096}$ except $n = 1161, 1377$
9	87	$n \equiv 1, 1161, 1189, \text{ or } 2349 \pmod{3132}$ except $n = 1161, 1189$
9	88	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
9	89	$n \equiv 1, 801, 1513, \text{ or } 2493 \pmod{3204}$ except $n = 801, 1513$
9	90	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
9	91	$n \equiv 1, 469, 729, 1197, 1261, 1729, 1989, \text{ or } 2457 \pmod{3276}$ except $n = 469, 729, 1197, 1261$
9	92	$n \equiv 1, 369, 2737, \text{ or } 3105 \pmod{3312}$ except $n = 369$
9	93	$n \equiv 1, 217, 621, \text{ or } 837 \pmod{3348}$ except $n = 217, 621, 837$
9	94	$n \equiv 1, 1081, 1881, \text{ or } 2961 \pmod{3384}$ except $n = 1081$
9	95	$n \equiv 1, 361, 685, 1045, 1521, 1881, 2205, \text{ or } 2565 \pmod{3420}$ except $n = 361, 685, 1045, 1521$
9	96	$n \equiv 1 \text{ or } 513 \pmod{3456}$ except $n = 513$
9	97	$n \equiv 1, 873, 1261, \text{ or } 3105 \pmod{3492}$ except $n = 873, 1261$
9	98	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
9	99	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{3564}$ except $n = 649$
9	100	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
9	101	$n \equiv 1, 405, 505, \text{ or } 909 \pmod{3636}$ except $n = 405, 505, 909$
9	102	$n \equiv 1, 1377, 1513, \text{ or } 3537 \pmod{3672}$ except $n = 1377, 1513$
9	103	$n \equiv 1, 721, 2061, \text{ or } 2781 \pmod{3708}$ except $n = 721$
9	104	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
9	105	$n \equiv 1, 945, 1485, 1701, 2241, 2485, 3025, \text{ or } 3241 \pmod{3780}$ except $n = 945, 1485, 1701$
9	106	$n \equiv 1, 2385, 2809, \text{ or } 3393 \pmod{3816}$
9	107	$n \equiv 1, 2889, 2997, \text{ or } 3745 \pmod{3852}$

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Table 8: Superspectra for  $p = 9$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
9	108	$n \equiv 1$ or $2673 \pmod{3888}$
9	109	$n \equiv 1, 109, 873, \text{ or } 981 \pmod{3924}$ except $n = 109, 873, 981$
9	110	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
9	111	$n \equiv 1, 297, 2701, \text{ or } 2997 \pmod{3996}$ except $n = 297$
9	112	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
9	113	$n \equiv 1, 1017, 1809, \text{ or } 3277 \pmod{4068}$ except $n = 1017, 1809$
9	114	$n \equiv 1, 513, 1729, \text{ or } 2889 \pmod{4104}$ except $n = 513, 1729$
9	115	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 3681 \pmod{4140}$ except $n = 621, 1081, 2025$
9	116	$n \equiv 1, 145, 3249, \text{ or } 3393 \pmod{4176}$ except $n = 145$
9	117	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{4212}$ except $n = 325, 729, 1053$
9	118	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{4248}$ except $n = 649, 945, 1593$
9	119	$n \equiv 1, 477, 1225, 1513, 1701, 1989, 2737, \text{ or } 3213 \pmod{4284}$ except $n = 477, 1225, 1513, 1701, 1989$
9	120	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
9	121	$n \equiv 1, 1089, 2421, \text{ or } 3025 \pmod{4356}$ except $n = 1089$
9	122	$n \equiv 1, 793, 1953, \text{ or } 2745 \pmod{4392}$ except $n = 793, 1953$
9	123	$n \equiv 1, 1189, 2133, \text{ or } 3321 \pmod{4428}$ except $n = 1189, 2133$
9	124	$n \equiv 1, 1953, 2449, \text{ or } 3969 \pmod{4464}$ except $n = 1953$
9	125	$n \equiv 1, 1125, 2125, \text{ or } 3501 \pmod{4500}$ except $n = 1125, 2125$
9	126	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
9	127	$n \equiv 1, 1017, 2413, \text{ or } 3429 \pmod{4572}$ except $n = 1017$
9	128	$n \equiv 1$ or $513 \pmod{4608}$ except $n = 513$

Table 9: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 10$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
10	2	$n \equiv 1$ or $65 \pmod{80}$
10	3	$n \equiv 1, 25, 81, \text{ or } 105 \pmod{120}$ except $n = 25$
10	4	$n \equiv 1$ or $65 \pmod{160}$ except $n = 65$
10	5	$n \equiv 1$ or $25 \pmod{200}$ except $n = 25$
10	6	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{240}$ except $n = 81$
10	7	$n \equiv 1, 105, 161, \text{ or } 225 \pmod{280}$ except $n = 105$
10	8	$n \equiv 1$ or $65 \pmod{320}$ except $n = 65$
10	9	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
10	10	$n \equiv 1$ or $225 \pmod{400}$
10	11	$n \equiv 1, 121, 265, \text{ or } 385 \pmod{440}$ except $n = 121$
10	12	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
10	13	$n \equiv 1, 65, 105, \text{ or } 481 \pmod{520}$ except $n = 65, 105$
10	14	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
10	15	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
10	16	$n \equiv 1$ or $385 \pmod{640}$
10	17	$n \equiv 1, 425, 545, \text{ or } 561 \pmod{680}$
10	18	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
10	19	$n \equiv 1, 305, 361, \text{ or } 665 \pmod{760}$ except $n = 305, 361$
10	20	$n \equiv 1$ or $225 \pmod{800}$ except $n = 225$
10	21	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
10	22	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
10	23	$n \equiv 1, 161, 185, \text{ or } 345 \pmod{920}$ except $n = 161, 185, 345$
10	24	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
10	25	$n \equiv 1$ or $625 \pmod{1000}$

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Table 9: Superspectra for  $p = 10$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
10	26	$n \equiv 1, 65, 481, \text{ or } 625 \pmod{1040}$ except $n = 65, 481$
10	27	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
10	28	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
10	29	$n \equiv 1, 145, 465, \text{ or } 841 \pmod{1160}$ except $n = 145, 465$
10	30	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
10	31	$n \equiv 1, 465, 745, \text{ or } 961 \pmod{1240}$ except $n = 465$
10	32	$n \equiv 1 \text{ or } 1025 \pmod{1280}$
10	33	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
10	34	$n \equiv 1, 545, 561, \text{ or } 1105 \pmod{1360}$ except $n = 545, 561$
10	35	$n \equiv 1, 225, 1001, \text{ or } 1225 \pmod{1400}$ except $n = 225$
10	36	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
10	37	$n \equiv 1, 185, 481, \text{ or } 1185 \pmod{1480}$ except $n = 185, 481$
10	38	$n \equiv 1, 305, 1121, \text{ or } 1425 \pmod{1520}$ except $n = 305$
10	39	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
10	40	$n \equiv 1 \text{ or } 1025 \pmod{1600}$
10	41	$n \equiv 1, 41, 985, \text{ or } 1025 \pmod{1640}$ except $n = 41$
10	42	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
10	43	$n \equiv 1, 345, 1161, \text{ or } 1505 \pmod{1720}$ except $n = 345$
10	44	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
10	45	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
10	46	$n \equiv 1, 161, 1105, \text{ or } 1265 \pmod{1840}$ except $n = 161$
10	47	$n \equiv 1, 705, 1081, \text{ or } 1505 \pmod{1880}$ except $n = 705$
10	48	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$

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Table 9: Superspectra for  $p = 10$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
10	49	$n \equiv 1, 441, 785, \text{ or } 1225 \pmod{1960}$ except $n = 441, 785$
10	50	$n \equiv 1 \text{ or } 625 \pmod{2000}$ except $n = 625$
10	51	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
10	52	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
10	53	$n \equiv 1, 265, 425, \text{ or } 1961 \pmod{2120}$ except $n = 265, 425$
10	54	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
10	55	$n \equiv 1, 825, 1001, \text{ or } 2025 \pmod{2200}$ except $n = 825, 1001$
10	56	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
10	57	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
10	58	$n \equiv 1, 145, 465, \text{ or } 2001 \pmod{2320}$ except $n = 145, 465$
10	59	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{2360}$ except $n = 945, 1121$
10	60	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
10	61	$n \equiv 1, 305, 1281, \text{ or } 1465 \pmod{2440}$ except $n = 305$
10	62	$n \equiv 1, 465, 961, \text{ or } 1985 \pmod{2480}$ except $n = 465, 961$
10	63	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
10	64	$n \equiv 1 \text{ or } 1025 \pmod{2560}$ except $n = 1025$
10	65	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{2600}$ except $n = 625, 1001$
10	66	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
10	67	$n \equiv 1, 201, 2145, \text{ or } 2345 \pmod{2680}$ except $n = 201$
10	68	$n \equiv 1, 545, 1921, \text{ or } 2465 \pmod{2720}$ except $n = 545$
10	69	$n \equiv 1, 345, 921, 1081, 1105, 2001, 2025, \text{ or } 2185 \pmod{2760}$ except $n = 345, 921, 1081, 1105$
10	70	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{2800}$ except $n = 225$

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Table 9: Superspectra for  $p = 10$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
10	71	$n \equiv 1, 1065, 1705, \text{ or } 2201 \pmod{2840}$ except $n = 1065$
10	72	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
10	73	$n \equiv 1, 585, 1241, \text{ or } 1825 \pmod{2920}$ except $n = 585, 1241$
10	74	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{2960}$ except $n = 481, 1185$
10	75	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{3000}$ except $n = 625$
10	76	$n \equiv 1, 1121, 1825, \text{ or } 2945 \pmod{3040}$ except $n = 1121$
10	77	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
10	78	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
10	79	$n \equiv 1, 1185, 1265, \text{ or } 3081 \pmod{3160}$ except $n = 1185, 1265$
10	80	$n \equiv 1 \text{ or } 1025 \pmod{3200}$ except $n = 1025$
10	81	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
10	82	$n \equiv 1, 1025, 1681, \text{ or } 2625 \pmod{3280}$ except $n = 1025$
10	83	$n \equiv 1, 665, 2241, \text{ or } 2905 \pmod{3320}$ except $n = 665$
10	84	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
10	85	$n \equiv 1, 425, 1225, \text{ or } 2601 \pmod{3400}$ except $n = 425, 1225$
10	86	$n \equiv 1, 1505, 2065, \text{ or } 2881 \pmod{3440}$ except $n = 1505$
10	87	$n \equiv 1, 145, 465, 841, 1161, 1305, 2001, \text{ or } 2785 \pmod{3480}$ except $n = 145, 465, 841, 1161, 1305$
10	88	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
10	89	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{3560}$ except $n = 801, 1425$
10	90	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
10	91	$n \equiv 1, 105, 1001, 1561, 1625, 2185, 3081, \text{ or } 3185 \pmod{3640}$ except $n = 105, 1001, 1561, 1625$
10	92	$n \equiv 1, 161, 2945, \text{ or } 3105 \pmod{3680}$ except $n = 161$

*continued on next page*

Table 9: Superspectra for  $p = 10$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
10	93	$n \equiv 1, 465, 745, 961, 1705, 2481, 3225, \text{ or } 3441 \pmod{3720}$ except $n = 465, 745, 961, 1705$
10	94	$n \equiv 1, 705, 1505, \text{ or } 2961 \pmod{3760}$ except $n = 705, 1505$
10	95	$n \equiv 1, 1425, 1825, \text{ or } 3401 \pmod{3800}$ except $n = 1425, 1825$
10	96	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
10	97	$n \equiv 1, 2425, 3105, \text{ or } 3201 \pmod{3880}$
10	98	$n \equiv 1, 785, 2401, \text{ or } 3185 \pmod{3920}$ except $n = 785$
10	99	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
10	100	$n \equiv 1 \text{ or } 2625 \pmod{4000}$
10	101	$n \equiv 1, 505, 2121, \text{ or } 2425 \pmod{4040}$ except $n = 505$
10	102	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
10	103	$n \equiv 1, 721, 825, \text{ or } 1545 \pmod{4120}$ except $n = 721, 825, 1545$
10	104	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
10	105	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
10	106	$n \equiv 1, 2385, 2545, \text{ or } 4081 \pmod{4240}$
10	107	$n \equiv 1, 321, 3425, \text{ or } 3745 \pmod{4280}$ except $n = 321$
10	108	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
10	109	$n \equiv 1, 545, 1745, \text{ or } 3161 \pmod{4360}$ except $n = 545, 1745$
10	110	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
10	111	$n \equiv 1, 481, 1185, 1665, 2665, 2961, 3145, \text{ or } 3441 \pmod{4440}$ except $n = 481, 1185, 1665$
10	112	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
10	113	$n \equiv 1, 905, 1921, \text{ or } 2825 \pmod{4520}$ except $n = 905, 1921$

*continued on next page*

Table 9: Superspectra for  $p = 10$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
10	114	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
10	115	$n \equiv 1, 2001, 2025, \text{ or } 4025 \pmod{4600}$ except $n = 2001, 2025$
10	116	$n \equiv 1, 2465, 2785, \text{ or } 4321 \pmod{4640}$
10	117	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
10	118	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{4720}$ except $n = 945, 1121, 2065$
10	119	$n \equiv 1, 561, 1225, 1785, 1905, 2465, 4081, \text{ or } 4641 \pmod{4760}$ except $n = 561, 1225, 1785, 1905$
10	120	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
10	121	$n \equiv 1, 121, 2905, \text{ or } 3025 \pmod{4840}$ except $n = 121$
10	122	$n \equiv 1, 305, 1281, \text{ or } 3905 \pmod{4880}$ except $n = 305, 1281$
10	123	$n \equiv 1, 985, 1641, 1681, 2625, 2665, 3321, \text{ or } 4305 \pmod{4920}$ except $n = 985, 1641, 1681$
10	124	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{4960}$ except $n = 961, 1985$
10	125	$n \equiv 1 \text{ or } 625 \pmod{5000}$ except $n = 625$
10	126	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
10	127	$n \equiv 1, 1905, 2921, \text{ or } 4065 \pmod{5080}$ except $n = 1905$
10	128	$n \equiv 1 \text{ or } 1025 \pmod{5120}$ except $n = 1025$

Table 10: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 11$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
11	2	$n \equiv 1 \text{ or } 33 \pmod{88}$ except $n = 33$
11	3	$n \equiv 1, 33, 45, \text{ or } 121 \pmod{132}$ except $n = 33, 45$

*continued on next page*

Table 10: Superspectra for  $p = 11$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
11	4	$n \equiv 1$ or $33 \pmod{176}$ except $n = 33$
11	5	$n \equiv 1, 45, 121, \text{ or } 165 \pmod{220}$ except $n = 45$
11	6	$n \equiv 1, 33, 121, \text{ or } 177 \pmod{264}$ except $n = 33, 121$
11	7	$n \equiv 1, 77, 133, \text{ or } 253 \pmod{308}$ except $n = 77, 133$
11	8	$n \equiv 1$ or $33 \pmod{352}$ except $n = 33$
11	9	$n \equiv 1, 45, 253, \text{ or } 297 \pmod{396}$ except $n = 45$
11	10	$n \equiv 1, 121, 265, \text{ or } 385 \pmod{440}$ except $n = 121$
11	11	$n \equiv 1$ or $121 \pmod{484}$ except $n = 121$
11	12	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
11	13	$n \equiv 1, 209, 221, \text{ or } 429 \pmod{572}$ except $n = 209, 221$
11	14	$n \equiv 1, 385, 441, \text{ or } 561 \pmod{616}$
11	15	$n \equiv 1, 45, 121, 165, 265, 385, 441, \text{ or } 561 \pmod{660}$ except $n = 45, 121, 165, 265$
11	16	$n \equiv 1$ or $385 \pmod{704}$
11	17	$n \equiv 1, 221, 341, \text{ or } 561 \pmod{748}$ except $n = 221, 341$
11	18	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
11	19	$n \equiv 1, 77, 133, \text{ or } 209 \pmod{836}$ except $n = 77, 133, 209$
11	20	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
11	21	$n \equiv 1, 133, 253, 309, 385, 441, 561, \text{ or } 693 \pmod{924}$ except $n = 133, 253, 309, 385, 441$
11	22	$n \equiv 1$ or $121 \pmod{968}$ except $n = 121$
11	23	$n \equiv 1, 253, 529, \text{ or } 737 \pmod{1012}$ except $n = 253$
11	24	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
11	25	$n \equiv 1, 825, 925, \text{ or } 1001 \pmod{1100}$
11	26	$n \equiv 1, 209, 793, \text{ or } 1001 \pmod{1144}$ except $n = 209$
11	27	$n \equiv 1, 297, 649, \text{ or } 837 \pmod{1188}$ except $n = 297$

*continued on next page*

Table 10: Superspectra for  $p = 11$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
11	28	$n \equiv 1, 385, 561, \text{ or } 1057 \pmod{1232}$ except $n = 385, 561$
11	29	$n \equiv 1, 957, 1045, \text{ or } 1189 \pmod{1276}$
11	30	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
11	31	$n \equiv 1, 341, 837, \text{ or } 869 \pmod{1364}$ except $n = 341$
11	32	$n \equiv 1 \text{ or } 385 \pmod{1408}$ except $n = 385$
11	33	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{1452}$ except $n = 121$
11	34	$n \equiv 1, 561, 969, \text{ or } 1089 \pmod{1496}$ except $n = 561$
11	35	$n \equiv 1, 385, 441, 561, 925, 1001, 1365, \text{ or } 1485 \pmod{1540}$ except $n = 385, 441, 561$
11	36	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
11	37	$n \equiv 1, 297, 925, \text{ or } 1221 \pmod{1628}$ except $n = 297$
11	38	$n \equiv 1, 209, 913, \text{ or } 969 \pmod{1672}$ except $n = 209$
11	39	$n \equiv 1, 429, 573, 781, 793, 1353, 1365, \text{ or } 1573 \pmod{1716}$ except $n = 429, 573, 781, 793$
11	40	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
11	41	$n \equiv 1, 165, 1189, \text{ or } 1353 \pmod{1804}$ except $n = 165$
11	42	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
11	43	$n \equiv 1, 473, 517, \text{ or } 1849 \pmod{1892}$ except $n = 473, 517$
11	44	$n \equiv 1 \text{ or } 1089 \pmod{1936}$
11	45	$n \equiv 1, 45, 441, 1045, 1441, 1485, 1585, \text{ or } 1881 \pmod{1980}$ except $n = 45, 441$
11	46	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{2024}$ except $n = 529, 737$
11	47	$n \equiv 1, 517, 705, \text{ or } 1881 \pmod{2068}$ except $n = 517, 705$
11	48	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
11	49	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{2156}$ except $n = 441$

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Table 10: Superspectra for  $p = 11$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
11	50	$n \equiv 1, 825, 1001, \text{ or } 2025 \pmod{2200}$ except $n = 825, 1001$
11	51	$n \equiv 1, 561, 969, 1089, 1309, 1497, 1717, \text{ or } 1837 \pmod{2244}$ except $n = 561, 969, 1089$
11	52	$n \equiv 1, 209, 1937, \text{ or } 2145 \pmod{2288}$ except $n = 209$
11	53	$n \equiv 1, 265, 1485, \text{ or } 1749 \pmod{2332}$ except $n = 265$
11	54	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
11	55	$n \equiv 1, 121, 485, \text{ or } 605 \pmod{2420}$ except $n = 121, 485, 605$
11	56	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
11	57	$n \equiv 1, 133, 837, 913, 969, 1045, 1749, \text{ or } 1881 \pmod{2508}$ except $n = 133, 837, 913, 969, 1045$
11	58	$n \equiv 1, 2233, 2321, \text{ or } 2465 \pmod{2552}$
11	59	$n \equiv 1, 177, 473, \text{ or } 649 \pmod{2596}$ except $n = 177, 473, 649$
11	60	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
11	61	$n \equiv 1, 793, 1221, \text{ or } 2013 \pmod{2684}$ except $n = 793, 1221$
11	62	$n \equiv 1, 1705, 2201, \text{ or } 2233 \pmod{2728}$
11	63	$n \equiv 1, 253, 441, 693, 1233, 1485, 1981, \text{ or } 2233 \pmod{2772}$ except $n = 253, 441, 693, 1233$
11	64	$n \equiv 1 \text{ or } 1793 \pmod{2816}$
11	65	$n \equiv 1, 221, 781, 1001, 1145, 1365, 1925, \text{ or } 2145 \pmod{2860}$ except $n = 221, 781, 1001, 1145, 1365$
11	66	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{2904}$ except $n = 121, 969, 1089$
11	67	$n \equiv 1, 737, 1541, \text{ or } 2145 \pmod{2948}$ except $n = 737$
11	68	$n \equiv 1, 561, 1089, \text{ or } 2465 \pmod{2992}$ except $n = 561, 1089$
11	69	$n \equiv 1, 253, 529, 1749, 2025, 2277, 2553, \text{ or } 2761 \pmod{3036}$ except $n = 253, 529$

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Table 10: Superspectra for  $p = 11$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
11	70	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
11	71	$n \equiv 1, 781, 1705, \text{ or } 2201 \pmod{3124}$ except $n = 781$
11	72	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
11	73	$n \equiv 1, 2409, 2629, \text{ or } 2993 \pmod{3212}$
11	74	$n \equiv 1, 297, 2553, \text{ or } 2849 \pmod{3256}$ except $n = 297$
11	75	$n \equiv 1, 825, 925, 1101, 2025, 2101, 3025, \text{ or } 3201 \pmod{3300}$ except $n = 825, 925, 1101$
11	76	$n \equiv 1, 209, 913, \text{ or } 2641 \pmod{3344}$ except $n = 209, 913$
11	77	$n \equiv 1, 2541, 2905, \text{ or } 3025 \pmod{3388}$
11	78	$n \equiv 1, 793, 1353, 2145, 2289, 2497, 3081, \text{ or } 3289 \pmod{3432}$ except $n = 793, 1353$
11	79	$n \equiv 1, 869, 1265, \text{ or } 3081 \pmod{3476}$ except $n = 869, 1265$
11	80	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
11	81	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{3564}$ except $n = 649$
11	82	$n \equiv 1, 1353, 1969, \text{ or } 2993 \pmod{3608}$ except $n = 1353$
11	83	$n \equiv 1, 913, 1661, \text{ or } 2905 \pmod{3652}$ except $n = 913, 1661$
11	84	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
11	85	$n \equiv 1, 221, 341, 561, 2245, 2465, 2585, \text{ or } 2805 \pmod{3740}$ except $n = 221, 341, 561$
11	86	$n \equiv 1, 473, 1849, \text{ or } 2409 \pmod{3784}$ except $n = 473, 1849$
11	87	$n \equiv 1, 957, 1045, 1189, 2233, 2553, 3597, \text{ or } 3741 \pmod{3828}$ except $n = 957, 1045, 1189$
11	88	$n \equiv 1 \text{ or } 1089 \pmod{3872}$ except $n = 1089$
11	89	$n \equiv 1, 89, 2849, \text{ or } 2937 \pmod{3916}$ except $n = 89$

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Table 10: Superspectra for  $p = 11$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
11	90	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
11	91	$n \equiv 1, 1001, 1365, 1925, 2289, 2717, 3081, \text{ or } 3641 \pmod{4004}$ except $n = 1001, 1365, 1925$
11	92	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{4048}$ except $n = 529, 737, 1265$
11	93	$n \equiv 1, 837, 1365, 1705, 2233, 3069, 3565, \text{ or } 3597 \pmod{4092}$ except $n = 837, 1365, 1705$
11	94	$n \equiv 1, 705, 1881, \text{ or } 2585 \pmod{4136}$ except $n = 705, 1881$
11	95	$n \equiv 1, 1045, 1805, 1881, 2585, 2641, 3345, \text{ or } 3421 \pmod{4180}$ except $n = 1045, 1805, 1881$
11	96	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
11	97	$n \equiv 1, 485, 2717, \text{ or } 3201 \pmod{4268}$ except $n = 485$
11	98	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{4312}$ except $n = 441, 1177, 1617$
11	99	$n \equiv 1, 1089, 2421, \text{ or } 3025 \pmod{4356}$ except $n = 1089$
11	100	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
11	101	$n \equiv 1, 1617, 1717, \text{ or } 3333 \pmod{4444}$ except $n = 1617, 1717$
11	102	$n \equiv 1, 561, 969, 1089, 1497, 3553, 3961, \text{ or } 4081 \pmod{4488}$ except $n = 561, 969, 1089, 1497$
11	103	$n \equiv 1, 309, 825, \text{ or } 1133 \pmod{4532}$ except $n = 309, 825, 1133$
11	104	$n \equiv 1, 2145, 2497, \text{ or } 4225 \pmod{4576}$ except $n = 2145$
11	105	$n \equiv 1, 385, 441, 561, 925, 1365, 1485, 1981, 2101,$ $2541, 2905, 3025, 3081, 3465, 4005, \text{ or } 4081 \pmod{4620}$ except $n = 385, 441, 561, 925, 1365, 1485, 1981, 2101$
11	106	$n \equiv 1, 265, 3817, \text{ or } 4081 \pmod{4664}$ except $n = 265$
11	107	$n \equiv 1, 429, 749, \text{ or } 1177 \pmod{4708}$ except $n = 429, 749, 1177$
11	108	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
11	109	$n \equiv 1, 1309, 2289, \text{ or } 3597 \pmod{4796}$ except $n = 1309, 2289$

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Table 10: Superspectra for  $p = 11$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
11	110	$n \equiv 1, 121, 2905, \text{ or } 3025 \pmod{4840}$ except $n = 121$
11	111	$n \equiv 1, 297, 925, 1221, 1629, 2553, 3553, \text{ or } 4477 \pmod{4884}$ except $n = 297, 925, 1221, 1629$
11	112	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
11	113	$n \equiv 1, 3729, 4181, \text{ or } 4521 \pmod{4972}$
11	114	$n \equiv 1, 913, 969, 1881, 2641, 3345, 3553, \text{ or } 4257 \pmod{5016}$ except $n = 913, 969, 1881$
11	115	$n \equiv 1, 1265, 1541, 2025, 2761, 3565, 4301, \text{ or } 4785 \pmod{5060}$ except $n = 1265, 1541, 2025$
11	116	$n \equiv 1, 2321, 2465, \text{ or } 4785 \pmod{5104}$ except $n = 2321, 2465$
11	117	$n \equiv 1, 793, 3069, 3861, 4005, 4213, 4797, \text{ or } 5005 \pmod{5148}$ except $n = 793$
11	118	$n \equiv 1, 177, 473, \text{ or } 649 \pmod{5192}$ except $n = 177, 473, 649$
11	119	$n \equiv 1, 561, 749, 1309, 2465, 3213, 3333, \text{ or } 4081 \pmod{5236}$ except $n = 561, 749, 1309, 2465$
11	120	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
11	121	$n \equiv 1 \text{ or } 3993 \pmod{5324}$
11	122	$n \equiv 1, 793, 3905, \text{ or } 4697 \pmod{5368}$ except $n = 793$
11	123	$n \equiv 1, 165, 1189, 1353, 1969, 3157, 3609, \text{ or } 4797 \pmod{5412}$ except $n = 165, 1189, 1353, 1969$
11	124	$n \equiv 1, 4433, 4929, \text{ or } 4961 \pmod{5456}$
11	125	$n \equiv 1, 1001, 3125, \text{ or } 4125 \pmod{5500}$ except $n = 1001$
11	126	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
11	127	$n \equiv 1, 1397, 2541, \text{ or } 4445 \pmod{5588}$ except $n = 1397, 2541$
11	128	$n \equiv 1 \text{ or } 4609 \pmod{5632}$

Table 11: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 12$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
12	2	$n \equiv 1$ or $33 \pmod{96}$ except $n = 33$
12	3	$n \equiv 1$ or $81 \pmod{144}$
12	4	$n \equiv 1$ or $129 \pmod{192}$
12	5	$n \equiv 1, 81, 145,$ or $225 \pmod{240}$ except $n = 81$
12	6	$n \equiv 1$ or $225 \pmod{288}$
12	7	$n \equiv 1, 49, 225,$ or $273 \pmod{336}$ except $n = 49$
12	8	$n \equiv 1$ or $129 \pmod{384}$ except $n = 129$
12	9	$n \equiv 1$ or $81 \pmod{432}$ except $n = 81$
12	10	$n \equiv 1, 225, 321,$ or $385 \pmod{480}$ except $n = 225$
12	11	$n \equiv 1, 33, 177,$ or $385 \pmod{528}$ except $n = 33, 177$
12	12	$n \equiv 1$ or $513 \pmod{576}$
12	13	$n \equiv 1, 273, 417,$ or $481 \pmod{624}$ except $n = 273$
12	14	$n \equiv 1, 225, 385,$ or $609 \pmod{672}$ except $n = 225$
12	15	$n \equiv 1, 81, 145,$ or $225 \pmod{720}$ except $n = 81, 145, 225$
12	16	$n \equiv 1$ or $513 \pmod{768}$
12	17	$n \equiv 1, 273, 289,$ or $561 \pmod{816}$ except $n = 273, 289$
12	18	$n \equiv 1$ or $513 \pmod{864}$
12	19	$n \equiv 1, 513, 609,$ or $817 \pmod{912}$
12	20	$n \equiv 1, 321, 385,$ or $705 \pmod{960}$ except $n = 321, 385$
12	21	$n \equiv 1, 225, 721,$ or $945 \pmod{1008}$ except $n = 225$
12	22	$n \equiv 1, 33, 385,$ or $705 \pmod{1056}$ except $n = 33, 385$
12	23	$n \equiv 1, 369, 529,$ or $897 \pmod{1104}$ except $n = 369, 529$
12	24	$n \equiv 1$ or $513 \pmod{1152}$ except $n = 513$
12	25	$n \equiv 1, 225, 625,$ or $801 \pmod{1200}$ except $n = 225$
12	26	$n \equiv 1, 417, 481,$ or $897 \pmod{1248}$ except $n = 417, 481$

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Table 11: Superspectra for  $p = 12$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
12	27	$n \equiv 1$ or $81 \pmod{1296}$ except $n = 81$
12	28	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
12	29	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{1392}$ except $n = 145, 465, 609$
12	30	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
12	31	$n \equiv 1, 465, 961, \text{ or } 993 \pmod{1488}$ except $n = 465$
12	32	$n \equiv 1$ or $513 \pmod{1536}$ except $n = 513$
12	33	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
12	34	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
12	35	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
12	36	$n \equiv 1$ or $513 \pmod{1728}$ except $n = 513$
12	37	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{1776}$ except $n = 481$
12	38	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
12	39	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
12	40	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
12	41	$n \equiv 1, 369, 657, \text{ or } 1681 \pmod{1968}$ except $n = 369, 657$
12	42	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
12	43	$n \equiv 1, 129, 817, \text{ or } 1377 \pmod{2064}$ except $n = 129, 817$
12	44	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
12	45	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
12	46	$n \equiv 1, 897, 1473, \text{ or } 1633 \pmod{2208}$ except $n = 897$
12	47	$n \equiv 1, 705, 753, \text{ or } 2209 \pmod{2256}$ except $n = 705, 753$
12	48	$n \equiv 1$ or $513 \pmod{2304}$ except $n = 513$
12	49	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
12	50	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
12	51	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$

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Table 11: Superspectra for  $p = 12$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
12	52	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
12	53	$n \equiv 1, 849, 1537, \text{ or } 2385 \pmod{2544}$ except $n = 849$
12	54	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
12	55	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
12	56	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
12	57	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
12	58	$n \equiv 1, 609, 1537, \text{ or } 1857 \pmod{2784}$ except $n = 609$
12	59	$n \equiv 1, 177, 945, \text{ or } 2065 \pmod{2832}$ except $n = 177, 945$
12	60	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
12	61	$n \equiv 1, 1281, 1953, \text{ or } 2257 \pmod{2928}$ except $n = 1281$
12	62	$n \equiv 1, 961, 993, \text{ or } 1953 \pmod{2976}$ except $n = 961, 993$
12	63	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
12	64	$n \equiv 1 \text{ or } 2049 \pmod{3072}$
12	65	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
12	66	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
12	67	$n \equiv 1, 1809, 2145, \text{ or } 2881 \pmod{3216}$
12	68	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
12	69	$n \equiv 1, 369, 2737, \text{ or } 3105 \pmod{3312}$ except $n = 369$
12	70	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
12	71	$n \equiv 1, 1137, 1633, \text{ or } 2769 \pmod{3408}$ except $n = 1137, 1633$
12	72	$n \equiv 1 \text{ or } 513 \pmod{3456}$ except $n = 513$
12	73	$n \equiv 1, 657, 1825, \text{ or } 2337 \pmod{3504}$ except $n = 657$
12	74	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{3552}$ except $n = 481, 1185, 1665$

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Table 11: Superspectra for  $p = 12$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
12	75	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
12	76	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
12	77	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
12	78	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
12	79	$n \equiv 1, 1185, 2449, \text{ or } 2529 \pmod{3792}$ except $n = 1185$
12	80	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
12	81	$n \equiv 1 \text{ or } 2673 \pmod{3888}$
12	82	$n \equiv 1, 2337, 2625, \text{ or } 3649 \pmod{3936}$
12	83	$n \equiv 1, 913, 1329, \text{ or } 2241 \pmod{3984}$ except $n = 913, 1329$
12	84	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
12	85	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
12	86	$n \equiv 1, 129, 1377, \text{ or } 2881 \pmod{4128}$ except $n = 129, 1377$
12	87	$n \equiv 1, 145, 3249, \text{ or } 3393 \pmod{4176}$ except $n = 145$
12	88	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
12	89	$n \equiv 1, 801, 1425, \text{ or } 3649 \pmod{4272}$ except $n = 801, 1425$
12	90	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
12	91	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
12	92	$n \equiv 1, 897, 1473, \text{ or } 3841 \pmod{4416}$ except $n = 897, 1473$
12	93	$n \equiv 1, 1953, 2449, \text{ or } 3969 \pmod{4464}$ except $n = 1953$
12	94	$n \equiv 1, 705, 2209, \text{ or } 3009 \pmod{4512}$ except $n = 705, 2209$
12	95	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
12	96	$n \equiv 1 \text{ or } 513 \pmod{4608}$ except $n = 513$
12	97	$n \equiv 1, 97, 3105, \text{ or } 3201 \pmod{4656}$ except $n = 97$

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Table 11: Superspectra for  $p = 12$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
12	98	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
12	99	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
12	100	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
12	101	$n \equiv 1, 1617, 2929, \text{ or } 4545 \pmod{4848}$ except $n = 1617$
12	102	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
12	103	$n \equiv 1, 721, 3297, \text{ or } 4017 \pmod{4944}$ except $n = 721$
12	104	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
12	105	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
12	106	$n \equiv 1, 1537, 3393, \text{ or } 4929 \pmod{5088}$ except $n = 1537$
12	107	$n \equiv 1, 321, 1713, \text{ or } 3745 \pmod{5136}$ except $n = 321, 1713$
12	108	$n \equiv 1 \text{ or } 3969 \pmod{5184}$
12	109	$n \equiv 1, 2289, 3489, \text{ or } 4033 \pmod{5232}$ except $n = 2289$
12	110	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
12	111	$n \equiv 1, 1665, 2961, \text{ or } 4033 \pmod{5328}$ except $n = 1665$
12	112	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
12	113	$n \equiv 1, 1809, 1921, \text{ or } 3729 \pmod{5424}$ except $n = 1809, 1921$
12	114	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
12	115	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
12	116	$n \equiv 1, 1537, 1857, \text{ or } 3393 \pmod{5568}$ except $n = 1537, 1857$
12	117	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
12	118	$n \equiv 1, 3009, 3777, \text{ or } 4897 \pmod{5664}$
12	119	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
12	120	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$

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Table 11: Superspectra for  $p = 12$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
12	121	$n \equiv 1, 1089, 3025, \text{ or } 3873 \pmod{5808}$ except $n = 1089$
12	122	$n \equiv 1, 1281, 1953, \text{ or } 5185 \pmod{5856}$ except $n = 1281, 1953$
12	123	$n \equiv 1, 369, 657, \text{ or } 5617 \pmod{5904}$ except $n = 369, 657$
12	124	$n \equiv 1, 961, 3969, \text{ or } 4929 \pmod{5952}$ except $n = 961$
12	125	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
12	126	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
12	127	$n \equiv 1, 1905, 3937, \text{ or } 4065 \pmod{6096}$ except $n = 1905$
12	128	$n \equiv 1 \text{ or } 2049 \pmod{6144}$ except $n = 2049$

Table 12: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 13$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
13	2	$n \equiv 1 \text{ or } 65 \pmod{104}$
13	3	$n \equiv 1, 13, 105, \text{ or } 117 \pmod{156}$ except $n = 13$
13	4	$n \equiv 1 \text{ or } 65 \pmod{208}$ except $n = 65$
13	5	$n \equiv 1, 65, 105, \text{ or } 221 \pmod{260}$ except $n = 65, 105$
13	6	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{312}$ except $n = 105$
13	7	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{364}$ except $n = 105, 169$
13	8	$n \equiv 1 \text{ or } 65 \pmod{416}$ except $n = 65$
13	9	$n \equiv 1, 117, 261, \text{ or } 325 \pmod{468}$ except $n = 117$
13	10	$n \equiv 1, 65, 105, \text{ or } 481 \pmod{520}$ except $n = 65, 105$
13	11	$n \equiv 1, 209, 221, \text{ or } 429 \pmod{572}$ except $n = 209, 221$
13	12	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$
13	13	$n \equiv 1 \text{ or } 169 \pmod{676}$ except $n = 169$

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Table 12: Superspectra for  $p = 13$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
13	14	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{728}$ except $n = 105, 169, 273$
13	15	$n \equiv 1, 105, 261, 325, 481, 585, 625, \text{ or } 741 \pmod{780}$ except $n = 105, 261, 325$
13	16	$n \equiv 1 \text{ or } 65 \pmod{832}$ except $n = 65$
13	17	$n \equiv 1, 221, 273, \text{ or } 833 \pmod{884}$ except $n = 221, 273$
13	18	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
13	19	$n \equiv 1, 209, 533, \text{ or } 741 \pmod{988}$ except $n = 209$
13	20	$n \equiv 1, 65, 481, \text{ or } 625 \pmod{1040}$ except $n = 65, 481$
13	21	$n \equiv 1, 105, 169, 273, 469, 637, 729, \text{ or } 897 \pmod{1092}$ except $n = 105, 169, 273, 469$
13	22	$n \equiv 1, 209, 793, \text{ or } 1001 \pmod{1144}$ except $n = 209$
13	23	$n \equiv 1, 897, 989, \text{ or } 1105 \pmod{1196}$
13	24	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
13	25	$n \equiv 1, 325, 625, \text{ or } 1001 \pmod{1300}$ except $n = 325, 625$
13	26	$n \equiv 1 \text{ or } 169 \pmod{1352}$ except $n = 169$
13	27	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{1404}$ except $n = 325$
13	28	$n \equiv 1, 273, 833, \text{ or } 897 \pmod{1456}$ except $n = 273$
13	29	$n \equiv 1, 117, 261, \text{ or } 377 \pmod{1508}$ except $n = 117, 261, 377$
13	30	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
13	31	$n \equiv 1, 1209, 1365, \text{ or } 1457 \pmod{1612}$
13	32	$n \equiv 1 \text{ or } 897 \pmod{1664}$
13	33	$n \equiv 1, 429, 573, 781, 793, 1353, 1365, \text{ or } 1573 \pmod{1716}$ except $n = 429, 573, 781, 793$
13	34	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{1768}$ except $n = 273, 833$
13	35	$n \equiv 1, 105, 365, 1001, 1261, 1365, 1561, \text{ or } 1625 \pmod{1820}$ except $n = 105, 365$

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Table 12: Superspectra for  $p = 13$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
13	36	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
13	37	$n \equiv 1, 481, 741, \text{ or } 1665 \pmod{1924}$ except $n = 481, 741$
13	38	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{1976}$ except $n = 209$
13	39	$n \equiv 1, 169, 1353, \text{ or } 1521 \pmod{2028}$ except $n = 169$
13	40	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
13	41	$n \equiv 1, 533, 1313, \text{ or } 1353 \pmod{2132}$ except $n = 533$
13	42	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
13	43	$n \equiv 1, 689, 989, \text{ or } 1677 \pmod{2236}$ except $n = 689, 989$
13	44	$n \equiv 1, 209, 1937, \text{ or } 2145 \pmod{2288}$ except $n = 209$
13	45	$n \equiv 1, 261, 325, 585, 1261, 1405, 1521, \text{ or } 1665 \pmod{2340}$ except $n = 261, 325, 585$
13	46	$n \equiv 1, 897, 1105, \text{ or } 2185 \pmod{2392}$ except $n = 897, 1105$
13	47	$n \equiv 1, 377, 1457, \text{ or } 1833 \pmod{2444}$ except $n = 377$
13	48	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
13	49	$n \equiv 1, 637, 833, \text{ or } 2353 \pmod{2548}$ except $n = 637, 833$
13	50	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{2600}$ except $n = 625, 1001$
13	51	$n \equiv 1, 273, 885, 1105, 1717, 1989, 2041, \text{ or } 2601 \pmod{2652}$ except $n = 273, 885, 1105$
13	52	$n \equiv 1 \text{ or } 1521 \pmod{2704}$
13	53	$n \equiv 1, 53, 637, \text{ or } 689 \pmod{2756}$ except $n = 53, 637, 689$
13	54	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$
13	55	$n \equiv 1, 221, 781, 1001, 1145, 1365, 1925, \text{ or } 2145 \pmod{2860}$ except $n = 221, 781, 1001, 1145, 1365$
13	56	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
13	57	$n \equiv 1, 741, 1197, 1521, 1729, 1977, 2185, \text{ or } 2509 \pmod{2964}$ except $n = 741, 1197$

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Table 12: Superspectra for  $p = 13$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
13	58	$n \equiv 1, 377, 1625, \text{ or } 1769 \pmod{3016}$ except $n = 377$
13	59	$n \equiv 1, 885, 1417, \text{ or } 2301 \pmod{3068}$ except $n = 885, 1417$
13	60	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
13	61	$n \equiv 1, 793, 1769, \text{ or } 2197 \pmod{3172}$ except $n = 793$
13	62	$n \equiv 1, 1209, 1457, \text{ or } 2977 \pmod{3224}$ except $n = 1209, 1457$
13	63	$n \equiv 1, 469, 729, 1197, 1261, 1729, 1989, \text{ or } 2457 \pmod{3276}$ except $n = 469, 729, 1197, 1261$
13	64	$n \equiv 1 \text{ or } 2561 \pmod{3328}$
13	65	$n \equiv 1, 845, 1521, \text{ or } 2705 \pmod{3380}$ except $n = 845, 1521$
13	66	$n \equiv 1, 793, 1353, 2145, 2289, 2497, 3081, \text{ or } 3289 \pmod{3432}$ except $n = 793, 1353$
13	67	$n \equiv 1, 469, 2145, \text{ or } 2613 \pmod{3484}$ except $n = 469$
13	68	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{3536}$ except $n = 273, 833, 1105$
13	69	$n \equiv 1, 897, 1105, 1197, 2185, 2301, 3289, \text{ or } 3381 \pmod{3588}$ except $n = 897, 1105, 1197$
13	70	$n \equiv 1, 105, 1001, 1561, 1625, 2185, 3081, \text{ or } 3185 \pmod{3640}$ except $n = 105, 1001, 1561, 1625$
13	71	$n \equiv 1, 781, 1989, \text{ or } 2769 \pmod{3692}$ except $n = 781$
13	72	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
13	73	$n \equiv 1, 365, 585, \text{ or } 949 \pmod{3796}$ except $n = 365, 585, 949$
13	74	$n \equiv 1, 481, 1665, \text{ or } 2665 \pmod{3848}$ except $n = 481, 1665$
13	75	$n \equiv 1, 325, 625, 2301, 2601, 2925, 3225, \text{ or } 3601 \pmod{3900}$ except $n = 325, 625$
13	76	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{3952}$ except $n = 209, 1521, 1729$
13	77	$n \equiv 1, 1001, 1365, 1925, 2289, 2717, 3081, \text{ or } 3641 \pmod{4004}$ except $n = 1001, 1365, 1925$

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Table 12: Superspectra for  $p = 13$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
13	78	$n \equiv 1, 169, 1353, \text{ or } 1521 \pmod{4056}$ except $n = 169, 1353, 1521$
13	79	$n \equiv 1, 949, 2133, \text{ or } 3081 \pmod{4108}$ except $n = 949$
13	80	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
13	81	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{4212}$ except $n = 325, 729, 1053$
13	82	$n \equiv 1, 1313, 1353, \text{ or } 2665 \pmod{4264}$ except $n = 1313, 1353$
13	83	$n \equiv 1, 3237, 3653, \text{ or } 3901 \pmod{4316}$
13	84	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
13	85	$n \equiv 1, 221, 885, 1105, 2041, 2601, 2925, \text{ or } 3485 \pmod{4420}$ except $n = 221, 885, 1105, 2041$
13	86	$n \equiv 1, 689, 3225, \text{ or } 3913 \pmod{4472}$ except $n = 689$
13	87	$n \equiv 1, 117, 261, 1509, 1885, 3133, 3277, \text{ or } 3393 \pmod{4524}$ except $n = 117, 261, 1509, 1885$
13	88	$n \equiv 1, 2145, 2497, \text{ or } 4225 \pmod{4576}$ except $n = 2145$
13	89	$n \equiv 1, 1157, 1781, \text{ or } 4005 \pmod{4628}$ except $n = 1157, 1781$
13	90	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
13	91	$n \equiv 1, 169, 3381, \text{ or } 3549 \pmod{4732}$ except $n = 169$
13	92	$n \equiv 1, 897, 1105, \text{ or } 4577 \pmod{4784}$ except $n = 897, 1105$
13	93	$n \equiv 1, 1209, 1365, 2821, 2977, 3069, 3225, \text{ or } 4681 \pmod{4836}$ except $n = 1209, 1365$
13	94	$n \equiv 1, 377, 1457, \text{ or } 1833 \pmod{4888}$ except $n = 377, 1457, 1833$
13	95	$n \equiv 1, 741, 1521, 2185, 2965, 3705, 4161, \text{ or } 4485 \pmod{4940}$ except $n = 741, 1521, 2185$
13	96	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
13	97	$n \equiv 1, 1261, 2717, \text{ or } 3589 \pmod{5044}$ except $n = 1261$
13	98	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{5096}$ except $n = 833, 2353$

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Table 12: Superspectra for  $p = 13$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
13	99	$n \equiv 1, 793, 3069, 3861, 4005, 4213, 4797, \text{ or } 5005 \pmod{5148}$ except $n = 793$
13	100	$n \equiv 1, 625, 3601, \text{ or } 4225 \pmod{5200}$ except $n = 625$
13	101	$n \equiv 1, 1313, 1717, \text{ or } 4849 \pmod{5252}$ except $n = 1313, 1717$
13	102	$n \equiv 1, 273, 1105, 2041, 2601, 3537, 4369, \text{ or } 4641 \pmod{5304}$ except $n = 273, 1105, 2041, 2601$
13	103	$n \equiv 1, 4017, 4121, \text{ or } 5253 \pmod{5356}$
13	104	$n \equiv 1 \text{ or } 4225 \pmod{5408}$
13	105	$n \equiv 1, 105, 1261, 1365, 1561, 1821, 2185, 2821, 3081,$ $3381, 3445, 3745, 4005, 4641, 5005, \text{ or } 5265 \pmod{5460}$ except $n = 105, 1261, 1365, 1561, 1821, 2185$
13	106	$n \equiv 1, 689, 2809, \text{ or } 3393 \pmod{5512}$ except $n = 689$
13	107	$n \equiv 1, 429, 3745, \text{ or } 4173 \pmod{5564}$ except $n = 429$
13	108	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
13	109	$n \equiv 1, 1417, 2289, \text{ or } 4797 \pmod{5668}$ except $n = 1417, 2289$
13	110	$n \equiv 1, 1001, 1145, 2145, 3081, 3641, 4225, \text{ or } 4785 \pmod{5720}$ except $n = 1001, 1145, 2145$
13	111	$n \equiv 1, 481, 741, 1665, 2665, 3589, 3849, \text{ or } 4329 \pmod{5772}$ except $n = 481, 741, 1665, 2665$
13	112	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
13	113	$n \equiv 1, 1469, 3277, \text{ or } 4069 \pmod{5876}$ except $n = 1469$
13	114	$n \equiv 1, 1521, 1729, 1977, 2185, 3705, 4161, \text{ or } 5473 \pmod{5928}$ except $n = 1521, 1729, 1977, 2185$
13	115	$n \equiv 1, 1105, 2185, 2301, 3381, 4485, 4785, \text{ or } 5681 \pmod{5980}$ except $n = 1105, 2185, 2301$
13	116	$n \equiv 1, 3393, 4641, \text{ or } 4785 \pmod{6032}$
13	117	$n \equiv 1, 1521, 2197, \text{ or } 5409 \pmod{6084}$ except $n = 1521, 2197$
13	118	$n \equiv 1, 1417, 3953, \text{ or } 5369 \pmod{6136}$ except $n = 1417$

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Table 12: Superspectra for  $p = 13$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
13	119	$n \equiv 1, 273, 833, 1989, 2653, 3809, 4369, \text{ or } 4641 \pmod{6188}$ except $n = 273, 833, 1989, 2653$
13	120	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
13	121	$n \equiv 1, 1573, 1937, \text{ or } 5929 \pmod{6292}$ except $n = 1573, 1937$
13	122	$n \equiv 1, 793, 1769, \text{ or } 5369 \pmod{6344}$ except $n = 793, 1769$
13	123	$n \equiv 1, 1353, 2133, 2665, 3445, 4797, 5577, \text{ or } 5617 \pmod{6396}$ except $n = 1353, 2133, 2665$
13	124	$n \equiv 1, 1457, 2977, \text{ or } 4433 \pmod{6448}$ except $n = 1457, 2977$
13	125	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{6500}$ except $n = 625, 1001, 1625$
13	126	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
13	127	$n \equiv 1, 4953, 5461, \text{ or } 6097 \pmod{6604}$
13	128	$n \equiv 1 \text{ or } 2561 \pmod{6656}$ except $n = 2561$

Table 13: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 14$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
14	2	$n \equiv 1 \text{ or } 49 \pmod{112}$ except $n = 49$
14	3	$n \equiv 1, 49, 57, \text{ or } 105 \pmod{168}$ except $n = 49, 57$
14	4	$n \equiv 1 \text{ or } 161 \pmod{224}$
14	5	$n \equiv 1, 105, 161, \text{ or } 225 \pmod{280}$ except $n = 105$
14	6	$n \equiv 1, 49, 225, \text{ or } 273 \pmod{336}$ except $n = 49$
14	7	$n \equiv 1 \text{ or } 49 \pmod{392}$ except $n = 49$
14	8	$n \equiv 1 \text{ or } 385 \pmod{448}$

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Table 13: Superspectra for  $p = 14$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
14	9	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
14	10	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
14	11	$n \equiv 1, 385, 441, \text{ or } 561 \pmod{616}$
14	12	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
14	13	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{728}$ except $n = 105, 169, 273$
14	14	$n \equiv 1 \text{ or } 49 \pmod{784}$ except $n = 49$
14	15	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
14	16	$n \equiv 1 \text{ or } 385 \pmod{896}$ except $n = 385$
14	17	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{952}$ except $n = 273$
14	18	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
14	19	$n \equiv 1, 57, 609, \text{ or } 665 \pmod{1064}$ except $n = 57$
14	20	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
14	21	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{1176}$ except $n = 49, 393, 441$
14	22	$n \equiv 1, 385, 561, \text{ or } 1057 \pmod{1232}$ except $n = 385, 561$
14	23	$n \equiv 1, 161, 553, \text{ or } 897 \pmod{1288}$ except $n = 161, 553$
14	24	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
14	25	$n \equiv 1, 225, 1001, \text{ or } 1225 \pmod{1400}$ except $n = 225$
14	26	$n \equiv 1, 273, 833, \text{ or } 897 \pmod{1456}$ except $n = 273$
14	27	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
14	28	$n \equiv 1 \text{ or } 833 \pmod{1568}$
14	29	$n \equiv 1, 609, 841, \text{ or } 1393 \pmod{1624}$ except $n = 609$
14	30	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
14	31	$n \equiv 1, 217, 497, \text{ or } 1457 \pmod{1736}$ except $n = 217, 497$
14	32	$n \equiv 1 \text{ or } 1281 \pmod{1792}$

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Table 13: Superspectra for  $p = 14$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
14	33	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
14	34	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{1904}$ except $n = 273, 561, 833$
14	35	$n \equiv 1, 441, 785, \text{ or } 1225 \pmod{1960}$ except $n = 441, 785$
14	36	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
14	37	$n \equiv 1, 777, 889, \text{ or } 1961 \pmod{2072}$ except $n = 777, 889$
14	38	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{2128}$ except $n = 609$
14	39	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
14	40	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
14	41	$n \equiv 1, 329, 1681, \text{ or } 2009 \pmod{2296}$ except $n = 329$
14	42	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
14	43	$n \equiv 1, 1505, 1849, \text{ or } 2065 \pmod{2408}$
14	44	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
14	45	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
14	46	$n \equiv 1, 161, 897, \text{ or } 1841 \pmod{2576}$ except $n = 161, 897$
14	47	$n \equiv 1, 329, 1457, \text{ or } 1505 \pmod{2632}$ except $n = 329$
14	48	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
14	49	$n \equiv 1 \text{ or } 2401 \pmod{2744}$
14	50	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{2800}$ except $n = 225$
14	51	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
14	52	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
14	53	$n \equiv 1, 1113, 1961, \text{ or } 2121 \pmod{2968}$ except $n = 1113$
14	54	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$

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Table 13: Superspectra for  $p = 14$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
14	55	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
14	56	$n \equiv 1 \text{ or } 833 \pmod{3136}$ except $n = 833$
14	57	$n \equiv 1, 57, 609, 1065, 1729, 2185, 2737, \text{ or } 2793 \pmod{3192}$ except $n = 57, 609, 1065$
14	58	$n \equiv 1, 609, 1393, \text{ or } 2465 \pmod{3248}$ except $n = 609, 1393$
14	59	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{3304}$ except $n = 945, 1121$
14	60	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
14	61	$n \equiv 1, 1281, 1953, \text{ or } 2745 \pmod{3416}$ except $n = 1281$
14	62	$n \equiv 1, 497, 1457, \text{ or } 1953 \pmod{3472}$ except $n = 497, 1457$
14	63	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
14	64	$n \equiv 1 \text{ or } 3073 \pmod{3584}$
14	65	$n \equiv 1, 105, 1001, 1561, 1625, 2185, 3081, \text{ or } 3185 \pmod{3640}$ except $n = 105, 1001, 1561, 1625$
14	66	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
14	67	$n \equiv 1, 2345, 2681, \text{ or } 3417 \pmod{3752}$
14	68	$n \equiv 1, 833, 2177, \text{ or } 2465 \pmod{3808}$ except $n = 833$
14	69	$n \equiv 1, 553, 897, 1449, 2185, 2577, 2737, \text{ or } 3129 \pmod{3864}$ except $n = 553, 897, 1449$
14	70	$n \equiv 1, 785, 2401, \text{ or } 3185 \pmod{3920}$ except $n = 785$
14	71	$n \equiv 1, 497, 1065, \text{ or } 3409 \pmod{3976}$ except $n = 497, 1065$
14	72	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
14	73	$n \equiv 1, 1169, 2409, \text{ or } 3577 \pmod{4088}$ except $n = 1169$
14	74	$n \equiv 1, 2849, 2961, \text{ or } 4033 \pmod{4144}$

*continued on next page*



Table 13: Superspectra for  $p = 14$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
14	75	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
14	76	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{4256}$ except $n = 609, 1121, 1729$
14	77	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{4312}$ except $n = 441, 1177, 1617$
14	78	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
14	79	$n \equiv 1, 553, 1897, \text{ or } 3081 \pmod{4424}$ except $n = 553, 1897$
14	80	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
14	81	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
14	82	$n \equiv 1, 1681, 2625, \text{ or } 4305 \pmod{4592}$ except $n = 1681$
14	83	$n \equiv 1, 665, 2241, \text{ or } 2905 \pmod{4648}$ except $n = 665, 2241$
14	84	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
14	85	$n \equiv 1, 561, 1225, 1785, 1905, 2465, 4081, \text{ or } 4641 \pmod{4760}$ except $n = 561, 1225, 1785, 1905$
14	86	$n \equiv 1, 1505, 2065, \text{ or } 4257 \pmod{4816}$ except $n = 1505, 2065$
14	87	$n \equiv 1, 609, 841, 1393, 2233, 3249, 4089, \text{ or } 4641 \pmod{4872}$ except $n = 609, 841, 1393, 2233$
14	88	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
14	89	$n \equiv 1, 1513, 2849, \text{ or } 4361 \pmod{4984}$ except $n = 1513$
14	90	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
14	91	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{5096}$ except $n = 833, 2353$
14	92	$n \equiv 1, 161, 897, \text{ or } 4417 \pmod{5152}$ except $n = 161, 897$
14	93	$n \equiv 1, 217, 1737, 1953, 2233, 3193, 3969, \text{ or } 4929 \pmod{5208}$ except $n = 217, 1737, 1953, 2233$
14	94	$n \equiv 1, 1457, 1505, \text{ or } 2961 \pmod{5264}$ except $n = 1457, 1505$

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Table 13: Superspectra for  $p = 14$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
14	95	$n \equiv 1, 665, 1065, 1121, 2185, 3801, 4865, \text{ or } 4921 \pmod{5320}$ except $n = 665, 1065, 1121, 2185$
14	96	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
14	97	$n \equiv 1, 777, 3977, \text{ or } 4753 \pmod{5432}$ except $n = 777$
14	98	$n \equiv 1 \text{ or } 2401 \pmod{5488}$ except $n = 2401$
14	99	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
14	100	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$
14	101	$n \equiv 1, 505, 1617, \text{ or } 2121 \pmod{5656}$ except $n = 505, 1617, 2121$
14	102	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
14	103	$n \equiv 1, 721, 3193, \text{ or } 3297 \pmod{5768}$ except $n = 721$
14	104	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
14	105	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
14	106	$n \equiv 1, 4081, 4929, \text{ or } 5089 \pmod{5936}$
14	107	$n \equiv 1, 1177, 2569, \text{ or } 3745 \pmod{5992}$ except $n = 1177, 2569$
14	108	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
14	109	$n \equiv 1, 2289, 4033, \text{ or } 4361 \pmod{6104}$ except $n = 2289$
14	110	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
14	111	$n \equiv 1, 777, 889, 2073, 2961, 4033, 4921, \text{ or } 6105 \pmod{6216}$ except $n = 777, 889, 2073, 2961$
14	112	$n \equiv 1 \text{ or } 3969 \pmod{6272}$
14	113	$n \equiv 1, 113, 5425, \text{ or } 5537 \pmod{6328}$ except $n = 113$
14	114	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$

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Table 13: Superspectra for  $p = 14$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
14	115	$n \equiv 1, 161, 1841, 2185, 3865, 4025, 4761, \text{ or } 5705 \pmod{6440}$ except $n = 161, 1841, 2185$
14	116	$n \equiv 1, 609, 2465, \text{ or } 4641 \pmod{6496}$ except $n = 609, 2465$
14	117	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
14	118	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{6608}$ except $n = 945, 1121, 2065$
14	119	$n \equiv 1, 833, 1225, \text{ or } 6273 \pmod{6664}$ except $n = 833, 1225$
14	120	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
14	121	$n \equiv 1, 2905, 3025, \text{ or } 5929 \pmod{6776}$ except $n = 2905, 3025$
14	122	$n \equiv 1, 1281, 1953, \text{ or } 6161 \pmod{6832}$ except $n = 1281, 1953$
14	123	$n \equiv 1, 1681, 2625, 4305, 4593, 4921, 6273, \text{ or } 6601 \pmod{6888}$ except $n = 1681, 2625$
14	124	$n \equiv 1, 1953, 3969, \text{ or } 4929 \pmod{6944}$ except $n = 1953$
14	125	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{7000}$ except $n = 1001, 1625, 2625$
14	126	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
14	127	$n \equiv 1, 889, 1905, \text{ or } 6097 \pmod{7112}$ except $n = 889, 1905$
14	128	$n \equiv 1 \text{ or } 3073 \pmod{7168}$ except $n = 3073$

Table 14: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 15$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	2	$n \equiv 1, 25, 81, \text{ or } 105 \pmod{120}$ except $n = 25$
15	3	$n \equiv 1, 45, 81, \text{ or } 145 \pmod{180}$ except $n = 45, 81$
15	4	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{240}$ except $n = 81$

*continued on next page*

Table 14: Superspectra for  $p = 15$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	5	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{300}$ except $n = 25$
15	6	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
15	7	$n \equiv 1, 21, 85, 105, 141, 225, 301, \text{ or } 385 \pmod{420}$ except $n = 21, 85, 105, 141$
15	8	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
15	9	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{540}$ except $n = 81$
15	10	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
15	11	$n \equiv 1, 45, 121, 165, 265, 385, 441, \text{ or } 561 \pmod{660}$ except $n = 45, 121, 165, 265$
15	12	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
15	13	$n \equiv 1, 105, 261, 325, 481, 585, 625, \text{ or } 741 \pmod{780}$ except $n = 105, 261, 325$
15	14	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
15	15	$n \equiv 1, 225, 325, \text{ or } 801 \pmod{900}$ except $n = 225, 325$
15	16	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
15	17	$n \equiv 1, 85, 205, 561, 681, 765, 885, \text{ or } 901 \pmod{1020}$ except $n = 85, 205$
15	18	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
15	19	$n \equiv 1, 285, 361, 381, 685, 741, 1045, \text{ or } 1065 \pmod{1140}$ except $n = 285, 361, 381$
15	20	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
15	21	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
15	22	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
15	23	$n \equiv 1, 345, 621, 645, 805, 921, 1081, \text{ or } 1105 \pmod{1380}$ except $n = 345, 621, 645$

*continued on next page*

Table 14: Superspectra for  $p = 15$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	24	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
15	25	$n \equiv 1, 501, 625, \text{ or } 1125 \pmod{1500}$ except $n = 501, 625$
15	26	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
15	27	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{1620}$ except $n = 81, 325, 405$
15	28	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
15	29	$n \equiv 1, 145, 261, 465, 841, 1045, 1161, \text{ or } 1305 \pmod{1740}$ except $n = 145, 261, 465, 841$
15	30	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
15	31	$n \equiv 1, 465, 621, 745, 961, 1365, 1581, \text{ or } 1705 \pmod{1860}$ except $n = 465, 621, 745$
15	32	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
15	33	$n \equiv 1, 45, 441, 1045, 1441, 1485, 1585, \text{ or } 1881 \pmod{1980}$ except $n = 45, 441$
15	34	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
15	35	$n \equiv 1, 225, 301, 525, 925, 1225, 1401, \text{ or } 1701 \pmod{2100}$ except $n = 225, 301, 525, 925$
15	36	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
15	37	$n \equiv 1, 445, 481, 741, 925, 1185, 1221, \text{ or } 1665 \pmod{2220}$ except $n = 445, 481, 741, 925$
15	38	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
15	39	$n \equiv 1, 261, 325, 585, 1261, 1405, 1521, \text{ or } 1665 \pmod{2340}$ except $n = 261, 325, 585$
15	40	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$

*continued on next page*

Table 14: Superspectra for  $p = 15$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	41	$n \equiv 1, 165, 205, 861, 985, 1641, 1681, \text{ or } 1845 \pmod{2460}$ except $n = 165, 205, 861, 985$
15	42	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
15	43	$n \equiv 1, 301, 345, 645, 861, 1161, 2065, \text{ or } 2365 \pmod{2580}$ except $n = 301, 345, 645, 861, 1161$
15	44	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
15	45	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{2700}$ except $n = 325$
15	46	$n \equiv 1, 345, 921, 1081, 1105, 2001, 2025, \text{ or } 2185 \pmod{2760}$ except $n = 345, 921, 1081, 1105$
15	47	$n \equiv 1, 141, 565, 705, 1081, 1645, 1881, \text{ or } 2445 \pmod{2820}$ except $n = 141, 565, 705, 1081$
15	48	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
15	49	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2401, \text{ or } 2745 \pmod{2940}$ except $n = 441, 981, 1225$
15	50	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{3000}$ except $n = 625$
15	51	$n \equiv 1, 765, 901, 1225, 1701, 2125, 2601, \text{ or } 2925 \pmod{3060}$ except $n = 765, 901, 1225$
15	52	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
15	53	$n \equiv 1, 265, 901, 1485, 2121, 2385, 2545, \text{ or } 3021 \pmod{3180}$ except $n = 265, 901, 1485$
15	54	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
15	55	$n \equiv 1, 825, 925, 1101, 2025, 2101, 3025, \text{ or } 3201 \pmod{3300}$ except $n = 825, 925, 1101$
15	56	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$

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Table 14: Superspectra for  $p = 15$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	57	$n \equiv 1, 361, 685, 1045, 1521, 1881, 2205, \text{ or } 2565 \pmod{3420}$ except $n = 361, 685, 1045, 1521$
15	58	$n \equiv 1, 145, 465, 841, 1161, 1305, 2001, \text{ or } 2785 \pmod{3480}$ except $n = 145, 465, 841, 1161, 1305$
15	59	$n \equiv 1, 885, 945, 2065, 2125, 2301, 2361, \text{ or } 3481 \pmod{3540}$ except $n = 885, 945$
15	60	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
15	61	$n \equiv 1, 61, 1221, 1281, 1465, 1525, 2685, \text{ or } 2745 \pmod{3660}$ except $n = 61, 1221, 1281, 1465, 1525$
15	62	$n \equiv 1, 465, 745, 961, 1705, 2481, 3225, \text{ or } 3441 \pmod{3720}$ except $n = 465, 745, 961, 1705$
15	63	$n \equiv 1, 945, 1485, 1701, 2241, 2485, 3025, \text{ or } 3241 \pmod{3780}$ except $n = 945, 1485, 1701$
15	64	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
15	65	$n \equiv 1, 325, 625, 2301, 2601, 2925, 3225, \text{ or } 3601 \pmod{3900}$ except $n = 325, 625$
15	66	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
15	67	$n \equiv 1, 201, 805, 1005, 1341, 2145, 2881, \text{ or } 3685 \pmod{4020}$ except $n = 201, 805, 1005, 1341$
15	68	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
15	69	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 3681 \pmod{4140}$ except $n = 621, 1081, 2025$
15	70	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
15	71	$n \equiv 1, 285, 781, 1065, 1705, 2485, 2841, \text{ or } 3621 \pmod{4260}$ except $n = 285, 781, 1065, 1705$
15	72	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$

*continued on next page*

Table 14: Superspectra for  $p = 15$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	73	$n \equiv 1, 585, 1461, 1825, 2701, 3285, 3505, \text{ or } 4161 \pmod{4380}$ except $n = 585, 1461, 1825$
15	74	$n \equiv 1, 481, 1185, 1665, 2665, 2961, 3145, \text{ or } 3441 \pmod{4440}$ except $n = 481, 1185, 1665$
15	75	$n \equiv 1, 1125, 2125, \text{ or } 3501 \pmod{4500}$ except $n = 1125, 2125$
15	76	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
15	77	$n \equiv 1, 385, 441, 561, 925, 1365, 1485, 1981, 2101,$ $2541, 2905, 3025, 3081, 3465, 4005, \text{ or } 4081 \pmod{4620}$ except $n = 385, 441, 561, 925, 1365, 1485, 1981, 2101$
15	78	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
15	79	$n \equiv 1, 1185, 1501, 1581, 2845, 3081, 4345, \text{ or } 4425 \pmod{4740}$ except $n = 1185, 1501, 1581$
15	80	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
15	81	$n \equiv 1, 1701, 1945, \text{ or } 3645 \pmod{4860}$ except $n = 1701, 1945$
15	82	$n \equiv 1, 985, 1641, 1681, 2625, 2665, 3321, \text{ or } 4305 \pmod{4920}$ except $n = 985, 1641, 1681$
15	83	$n \equiv 1, 1245, 2241, 2325, 2905, 3321, 3901, \text{ or } 3985 \pmod{4980}$ except $n = 1245, 2241, 2325$
15	84	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
15	85	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{5100}$ except $n = 901, 1225, 1701, 2125$
15	86	$n \equiv 1, 345, 1161, 2065, 2881, 3225, 3441, \text{ or } 4945 \pmod{5160}$ except $n = 345, 1161, 2065$
15	87	$n \equiv 1, 145, 261, 1045, 1161, 1305, 2205, \text{ or } 4321 \pmod{5220}$ except $n = 145, 261, 1045, 1161, 1305, 2205$

*continued on next page*



Table 14: Superspectra for  $p = 15$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	88	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
15	89	$n \equiv 1, 445, 801, 1425, 2581, 3205, 3561, \text{ or } 4005 \pmod{5340}$ except $n = 445, 801, 1425, 2581$
15	90	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
15	91	$n \equiv 1, 105, 1261, 1365, 1561, 1821, 2185, 2821, 3081,$ $3381, 3445, 3745, 4005, 4641, 5005, \text{ or } 5265 \pmod{5460}$ except $n = 105, 1261, 1365, 1561, 1821, 2185$
15	92	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
15	93	$n \equiv 1, 621, 3565, 4185, 4465, 4681, 5085, \text{ or } 5301 \pmod{5580}$ except $n = 621$
15	94	$n \equiv 1, 705, 1081, 1881, 2961, 3385, 4465, \text{ or } 5265 \pmod{5640}$ except $n = 705, 1081, 1881$
15	95	$n \equiv 1, 1425, 1501, 1825, 3325, 3801, 5301, \text{ or } 5625 \pmod{5700}$ except $n = 1425, 1501, 1825$
15	96	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
15	97	$n \equiv 1, 1165, 1261, 1941, 2425, 3105, 3201, \text{ or } 4365 \pmod{5820}$ except $n = 1165, 1261, 1941, 2425$
15	98	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
15	99	$n \equiv 1, 1485, 2025, 3025, 3565, 3861, 4401, \text{ or } 5401 \pmod{5940}$ except $n = 1485, 2025$
15	100	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
15	101	$n \equiv 1, 405, 505, 2121, 2425, 4041, 4141, \text{ or } 4545 \pmod{6060}$ except $n = 405, 505, 2121, 2425$
15	102	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$

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Table 14: Superspectra for  $p = 15$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	103	$n \equiv 1, 721, 825, 1545, 2061, 2781, 4945, \text{ or } 5665 \pmod{6180}$ except $n = 721, 825, 1545, 2061, 2781$
15	104	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
15	105	$n \equiv 1, 225, 1225, 1701, 3025, 3501, 4501, \text{ or } 4725 \pmod{6300}$ except $n = 225, 1225, 1701, 3025$
15	106	$n \equiv 1, 265, 2121, 2385, 2545, 4081, 4665, \text{ or } 6201 \pmod{6360}$ except $n = 265, 2121, 2385, 2545$
15	107	$n \equiv 1, 321, 1285, 1605, 2461, 3745, 4281, \text{ or } 5565 \pmod{6420}$ except $n = 321, 1285, 1605, 2461$
15	108	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
15	109	$n \equiv 1, 981, 2181, 2725, 3925, 4905, 5341, \text{ or } 6105 \pmod{6540}$ except $n = 981, 2181, 2725$
15	110	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
15	111	$n \equiv 1, 1665, 2665, 2701, 2961, 5365, 5625, \text{ or } 5661 \pmod{6660}$ except $n = 1665, 2665, 2701, 2961$
15	112	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
15	113	$n \equiv 1, 565, 1921, 3165, 4521, 5085, 5425, \text{ or } 6441 \pmod{6780}$ except $n = 565, 1921, 3165$
15	114	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
15	115	$n \equiv 1, 1725, 2001, 2025, 2301, 6325, 6601, \text{ or } 6625 \pmod{6900}$ except $n = 1725, 2001, 2025, 2301$
15	116	$n \equiv 1, 145, 465, 2001, 2785, 4321, 4641, \text{ or } 4785 \pmod{6960}$ except $n = 145, 465, 2001, 2785$
15	117	$n \equiv 1, 325, 1405, 3861, 4941, 5265, 5941, \text{ or } 6345 \pmod{7020}$ except $n = 325, 1405$

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Table 14: Superspectra for  $p = 15$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
15	118	$n \equiv 1, 945, 2065, 2361, 3481, 4425, 5665, \text{ or } 5841 \pmod{7080}$ except $n = 945, 2065, 2361, 3481$
15	119	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, 2941, 4081,$ $4165, 4285, 4641, 4761, 4845, 5985, \text{ or } 7021 \pmod{7140}$ except $n = 85, 561, 1225, 1701, 1785, 1905, 2941$
15	120	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
15	121	$n \equiv 1, 121, 2421, 2541, 2905, 3025, 5325, \text{ or } 5445 \pmod{7260}$ except $n = 121, 2421, 2541, 2905, 3025$
15	122	$n \equiv 1, 1281, 1465, 2745, 3721, 4881, 5185, \text{ or } 6345 \pmod{7320}$ except $n = 1281, 1465, 2745$
15	123	$n \equiv 1, 1845, 2665, 3321, 4141, 5085, 5905, \text{ or } 6561 \pmod{7380}$ except $n = 1845, 2665, 3321$
15	124	$n \equiv 1, 465, 961, 2481, 3441, 4465, 5425, \text{ or } 6945 \pmod{7440}$ except $n = 465, 961, 2481, 3441$
15	125	$n \equiv 1, 625, 5001, \text{ or } 5625 \pmod{7500}$ except $n = 625$
15	126	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
15	127	$n \equiv 1, 381, 1525, 1905, 2541, 4065, 5461, \text{ or } 6985 \pmod{7620}$ except $n = 381, 1525, 1905, 2541$
15	128	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$

Table 15: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 16$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
16	2	$n \equiv 1 \pmod{128}$
16	3	$n \equiv 1 \text{ or } 129 \pmod{192}$
16	4	$n \equiv 1 \pmod{256}$

*continued on next page*

Table 15: Superspectra for  $p = 16$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
16	5	$n \equiv 1$ or $65 \pmod{320}$ except $n = 65$
16	6	$n \equiv 1$ or $129 \pmod{384}$ except $n = 129$
16	7	$n \equiv 1$ or $385 \pmod{448}$
16	8	$n \equiv 1 \pmod{512}$
16	9	$n \equiv 1$ or $513 \pmod{576}$
16	10	$n \equiv 1$ or $385 \pmod{640}$
16	11	$n \equiv 1$ or $385 \pmod{704}$
16	12	$n \equiv 1$ or $513 \pmod{768}$
16	13	$n \equiv 1$ or $65 \pmod{832}$ except $n = 65$
16	14	$n \equiv 1$ or $385 \pmod{896}$ except $n = 385$
16	15	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
16	16	$n \equiv 1 \pmod{1024}$
16	17	$n \equiv 1$ or $833 \pmod{1088}$
16	18	$n \equiv 1$ or $513 \pmod{1152}$ except $n = 513$
16	19	$n \equiv 1$ or $513 \pmod{1216}$ except $n = 513$
16	20	$n \equiv 1$ or $1025 \pmod{1280}$
16	21	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
16	22	$n \equiv 1$ or $385 \pmod{1408}$ except $n = 385$
16	23	$n \equiv 1$ or $897 \pmod{1472}$
16	24	$n \equiv 1$ or $513 \pmod{1536}$ except $n = 513$
16	25	$n \equiv 1$ or $1025 \pmod{1600}$
16	26	$n \equiv 1$ or $897 \pmod{1664}$
16	27	$n \equiv 1$ or $513 \pmod{1728}$ except $n = 513$
16	28	$n \equiv 1$ or $1281 \pmod{1792}$
16	29	$n \equiv 1$ or $1537 \pmod{1856}$

*continued on next page*

Table 15: Superspectra for  $p = 16$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
16	30	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
16	31	$n \equiv 1 \text{ or } 961 \pmod{1984}$ except $n = 961$
16	32	$n \equiv 1 \pmod{2048}$
16	33	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
16	34	$n \equiv 1 \text{ or } 1921 \pmod{2176}$
16	35	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
16	36	$n \equiv 1 \text{ or } 513 \pmod{2304}$ except $n = 513$
16	37	$n \equiv 1 \text{ or } 1665 \pmod{2368}$
16	38	$n \equiv 1 \text{ or } 513 \pmod{2432}$ except $n = 513$
16	39	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
16	40	$n \equiv 1 \text{ or } 1025 \pmod{2560}$ except $n = 1025$
16	41	$n \equiv 1 \text{ or } 1025 \pmod{2624}$ except $n = 1025$
16	42	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
16	43	$n \equiv 1 \text{ or } 129 \pmod{2752}$ except $n = 129$
16	44	$n \equiv 1 \text{ or } 1793 \pmod{2816}$
16	45	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
16	46	$n \equiv 1 \text{ or } 897 \pmod{2944}$ except $n = 897$
16	47	$n \equiv 1 \text{ or } 705 \pmod{3008}$ except $n = 705$
16	48	$n \equiv 1 \text{ or } 2049 \pmod{3072}$
16	49	$n \equiv 1 \text{ or } 833 \pmod{3136}$ except $n = 833$
16	50	$n \equiv 1 \text{ or } 1025 \pmod{3200}$ except $n = 1025$
16	51	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
16	52	$n \equiv 1 \text{ or } 2561 \pmod{3328}$
16	53	$n \equiv 1 \text{ or } 1537 \pmod{3392}$ except $n = 1537$
16	54	$n \equiv 1 \text{ or } 513 \pmod{3456}$ except $n = 513$

*continued on next page*

Table 15: Superspectra for  $p = 16$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
16	55	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
16	56	$n \equiv 1 \text{ or } 3073 \pmod{3584}$
16	57	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
16	58	$n \equiv 1 \text{ or } 1537 \pmod{3712}$ except $n = 1537$
16	59	$n \equiv 1 \text{ or } 3009 \pmod{3776}$
16	60	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
16	61	$n \equiv 1 \text{ or } 1281 \pmod{3904}$ except $n = 1281$
16	62	$n \equiv 1 \text{ or } 2945 \pmod{3968}$
16	63	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
16	64	$n \equiv 1 \pmod{4096}$
16	65	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
16	66	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
16	67	$n \equiv 1 \text{ or } 2881 \pmod{4288}$
16	68	$n \equiv 1 \text{ or } 4097 \pmod{4352}$
16	69	$n \equiv 1, 897, 1473, \text{ or } 3841 \pmod{4416}$ except $n = 897, 1473$
16	70	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
16	71	$n \equiv 1 \text{ or } 3905 \pmod{4544}$
16	72	$n \equiv 1 \text{ or } 513 \pmod{4608}$ except $n = 513$
16	73	$n \equiv 1 \text{ or } 4161 \pmod{4672}$
16	74	$n \equiv 1 \text{ or } 1665 \pmod{4736}$ except $n = 1665$
16	75	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
16	76	$n \equiv 1 \text{ or } 513 \pmod{4864}$ except $n = 513$
16	77	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
16	78	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
16	79	$n \equiv 1 \text{ or } 3713 \pmod{5056}$

*continued on next page*

Table 15: Superspectra for  $p = 16$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
16	80	$n \equiv 1$ or $1025 \pmod{5120}$ except $n = 1025$
16	81	$n \equiv 1$ or $3969 \pmod{5184}$
16	82	$n \equiv 1$ or $1025 \pmod{5248}$ except $n = 1025$
16	83	$n \equiv 1$ or $2241 \pmod{5312}$ except $n = 2241$
16	84	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
16	85	$n \equiv 1, 1921, 3265, \text{ or } 5185 \pmod{5440}$ except $n = 1921$
16	86	$n \equiv 1$ or $129 \pmod{5504}$ except $n = 129$
16	87	$n \equiv 1, 1537, 1857, \text{ or } 3393 \pmod{5568}$ except $n = 1537, 1857$
16	88	$n \equiv 1$ or $4609 \pmod{5632}$
16	89	$n \equiv 1$ or $3649 \pmod{5696}$
16	90	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
16	91	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
16	92	$n \equiv 1$ or $3841 \pmod{5888}$
16	93	$n \equiv 1, 961, 3969, \text{ or } 4929 \pmod{5952}$ except $n = 961$
16	94	$n \equiv 1$ or $3713 \pmod{6016}$
16	95	$n \equiv 1, 2945, 4161, \text{ or } 4865 \pmod{6080}$ except $n = 2945$
16	96	$n \equiv 1$ or $2049 \pmod{6144}$ except $n = 2049$
16	97	$n \equiv 1$ or $3201 \pmod{6208}$
16	98	$n \equiv 1$ or $3969 \pmod{6272}$
16	99	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
16	100	$n \equiv 1$ or $1025 \pmod{6400}$ except $n = 1025$
16	101	$n \equiv 1$ or $4545 \pmod{6464}$
16	102	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$
16	103	$n \equiv 1$ or $2369 \pmod{6592}$ except $n = 2369$
16	104	$n \equiv 1$ or $2561 \pmod{6656}$ except $n = 2561$

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Table 15: Superspectra for  $p = 16$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
16	105	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
16	106	$n \equiv 1 \text{ or } 1537 \pmod{6784}$ except $n = 1537$
16	107	$n \equiv 1 \text{ or } 321 \pmod{6848}$ except $n = 321$
16	108	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
16	109	$n \equiv 1 \text{ or } 4033 \pmod{6976}$
16	110	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
16	111	$n \equiv 1, 1665, 4033, \text{ or } 4737 \pmod{7104}$ except $n = 1665$
16	112	$n \equiv 1 \text{ or } 3073 \pmod{7168}$ except $n = 3073$
16	113	$n \equiv 1 \text{ or } 1921 \pmod{7232}$ except $n = 1921$
16	114	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
16	115	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{7360}$ except $n = 2945$
16	116	$n \equiv 1 \text{ or } 1537 \pmod{7424}$ except $n = 1537$
16	117	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
16	118	$n \equiv 1 \text{ or } 6785 \pmod{7552}$
16	119	$n \equiv 1, 833, 2177, \text{ or } 6273 \pmod{7616}$ except $n = 833, 2177$
16	120	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
16	121	$n \equiv 1 \text{ or } 1089 \pmod{7744}$ except $n = 1089$
16	122	$n \equiv 1 \text{ or } 1281 \pmod{7808}$ except $n = 1281$
16	123	$n \equiv 1, 2625, 3649, \text{ or } 6273 \pmod{7872}$ except $n = 2625, 3649$
16	124	$n \equiv 1 \text{ or } 6913 \pmod{7936}$
16	125	$n \equiv 1 \text{ or } 2625 \pmod{8000}$ except $n = 2625$
16	126	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
16	127	$n \equiv 1 \text{ or } 8001 \pmod{8128}$
16	128	$n \equiv 1 \pmod{8192}$



Table 16: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 17$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
17	2	$n \equiv 1$ or $17 \pmod{136}$ except $n = 17$
17	3	$n \equiv 1, 69, 85,$ or $153 \pmod{204}$ except $n = 69, 85$
17	4	$n \equiv 1$ or $17 \pmod{272}$ except $n = 17$
17	5	$n \equiv 1, 85, 205,$ or $221 \pmod{340}$ except $n = 85$
17	6	$n \equiv 1, 153, 273,$ or $289 \pmod{408}$ except $n = 153$
17	7	$n \equiv 1, 85, 273,$ or $357 \pmod{476}$ except $n = 85$
17	8	$n \equiv 1$ or $289 \pmod{544}$
17	9	$n \equiv 1, 153, 289,$ or $477 \pmod{612}$ except $n = 153, 289$
17	10	$n \equiv 1, 425, 545,$ or $561 \pmod{680}$
17	11	$n \equiv 1, 221, 341,$ or $561 \pmod{748}$ except $n = 221, 341$
17	12	$n \equiv 1, 273, 289,$ or $561 \pmod{816}$ except $n = 273, 289$
17	13	$n \equiv 1, 221, 273,$ or $833 \pmod{884}$ except $n = 221, 273$
17	14	$n \equiv 1, 273, 561,$ or $833 \pmod{952}$ except $n = 273$
17	15	$n \equiv 1, 85, 205, 561, 681, 765, 885,$ or $901 \pmod{1020}$ except $n = 85, 205$
17	16	$n \equiv 1$ or $833 \pmod{1088}$
17	17	$n \equiv 1$ or $289 \pmod{1156}$ except $n = 289$
17	18	$n \equiv 1, 153, 289,$ or $1089 \pmod{1224}$ except $n = 153, 289$
17	19	$n \equiv 1, 153, 817,$ or $969 \pmod{1292}$ except $n = 153$
17	20	$n \equiv 1, 545, 561,$ or $1105 \pmod{1360}$ except $n = 545, 561$
17	21	$n \equiv 1, 85, 273, 357, 477, 561, 1225,$ or $1309 \pmod{1428}$ except $n = 85, 273, 357, 477, 561$
17	22	$n \equiv 1, 561, 969,$ or $1089 \pmod{1496}$ except $n = 561$
17	23	$n \equiv 1, 69, 1105,$ or $1173 \pmod{1564}$ except $n = 69$
17	24	$n \equiv 1, 289, 1089,$ or $1377 \pmod{1632}$ except $n = 289$

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Table 16: Superspectra for  $p = 17$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
17	25	$n \equiv 1, 425, 901, \text{ or } 1225 \pmod{1700}$ except $n = 425$
17	26	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{1768}$ except $n = 273, 833$
17	27	$n \equiv 1, 1377, 1513, \text{ or } 1701 \pmod{1836}$
17	28	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{1904}$ except $n = 273, 561, 833$
17	29	$n \equiv 1, 493, 697, \text{ or } 1769 \pmod{1972}$ except $n = 493, 697$
17	30	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
17	31	$n \equiv 1, 341, 1241, \text{ or } 1581 \pmod{2108}$ except $n = 341$
17	32	$n \equiv 1 \text{ or } 1921 \pmod{2176}$
17	33	$n \equiv 1, 561, 969, 1089, 1309, 1497, 1717, \text{ or } 1837 \pmod{2244}$ except $n = 561, 969, 1089$
17	34	$n \equiv 1 \text{ or } 289 \pmod{2312}$ except $n = 289$
17	35	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, \text{ or } 2261 \pmod{2380}$ except $n = 85, 561$
17	36	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
17	37	$n \equiv 1, 629, 1037, \text{ or } 2109 \pmod{2516}$ except $n = 629, 1037$
17	38	$n \equiv 1, 153, 817, \text{ or } 969 \pmod{2584}$ except $n = 153, 817, 969$
17	39	$n \equiv 1, 273, 885, 1105, 1717, 1989, 2041, \text{ or } 2601 \pmod{2652}$ except $n = 273, 885, 1105$
17	40	$n \equiv 1, 545, 1921, \text{ or } 2465 \pmod{2720}$ except $n = 545$
17	41	$n \equiv 1, 205, 493, \text{ or } 697 \pmod{2788}$ except $n = 205, 493, 697$
17	42	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
17	43	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{2924}$ except $n = 817, 1377$
17	44	$n \equiv 1, 561, 1089, \text{ or } 2465 \pmod{2992}$ except $n = 561, 1089$
17	45	$n \equiv 1, 765, 901, 1225, 1701, 2125, 2601, \text{ or } 2925 \pmod{3060}$ except $n = 765, 901, 1225$

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Table 16: Superspectra for  $p = 17$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
17	46	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{3128}$ except $n = 1105$
17	47	$n \equiv 1, 2397, 2585, \text{ or } 3009 \pmod{3196}$
17	48	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
17	49	$n \equiv 1, 833, 1225, \text{ or } 2941 \pmod{3332}$ except $n = 833, 1225$
17	50	$n \equiv 1, 425, 1225, \text{ or } 2601 \pmod{3400}$ except $n = 425, 1225$
17	51	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{3468}$ except $n = 289$
17	52	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{3536}$ except $n = 273, 833, 1105$
17	53	$n \equiv 1, 425, 477, \text{ or } 901 \pmod{3604}$ except $n = 425, 477, 901$
17	54	$n \equiv 1, 1377, 1513, \text{ or } 3537 \pmod{3672}$ except $n = 1377, 1513$
17	55	$n \equiv 1, 221, 341, 561, 2245, 2465, 2585, \text{ or } 2805 \pmod{3740}$ except $n = 221, 341, 561$
17	56	$n \equiv 1, 833, 2177, \text{ or } 2465 \pmod{3808}$ except $n = 833$
17	57	$n \equiv 1, 153, 817, 969, 1293, 2109, 2737, \text{ or } 3553 \pmod{3876}$ except $n = 153, 817, 969, 1293$
17	58	$n \equiv 1, 697, 1769, \text{ or } 2465 \pmod{3944}$ except $n = 697, 1769$
17	59	$n \equiv 1, 885, 2125, \text{ or } 3009 \pmod{4012}$ except $n = 885$
17	60	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
17	61	$n \equiv 1, 1037, 1769, \text{ or } 3417 \pmod{4148}$ except $n = 1037, 1769$
17	62	$n \equiv 1, 1241, 2449, \text{ or } 3689 \pmod{4216}$ except $n = 1241$
17	63	$n \equiv 1, 477, 1225, 1513, 1701, 1989, 2737, \text{ or } 3213 \pmod{4284}$ except $n = 477, 1225, 1513, 1701, 1989$
17	64	$n \equiv 1 \text{ or } 4097 \pmod{4352}$
17	65	$n \equiv 1, 221, 885, 1105, 2041, 2601, 2925, \text{ or } 3485 \pmod{4420}$ except $n = 221, 885, 1105, 2041$
17	66	$n \equiv 1, 561, 969, 1089, 1497, 3553, 3961, \text{ or } 4081 \pmod{4488}$ except $n = 561, 969, 1089, 1497$

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Table 16: Superspectra for  $p = 17$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
17	67	$n \equiv 1, 3417, 3485, \text{ or } 4489 \pmod{4556}$
17	68	$n \equiv 1 \text{ or } 289 \pmod{4624}$ except $n = 289$
17	69	$n \equiv 1, 69, 1105, 1173, 1633, 2737, 3129, \text{ or } 4233 \pmod{4692}$ except $n = 69, 1105, 1173, 1633$
17	70	$n \equiv 1, 561, 1225, 1785, 1905, 2465, 4081, \text{ or } 4641 \pmod{4760}$ except $n = 561, 1225, 1785, 1905$
17	71	$n \equiv 1, 1633, 1989, \text{ or } 3621 \pmod{4828}$ except $n = 1633, 1989$
17	72	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
17	73	$n \equiv 1, 1241, 2993, \text{ or } 3213 \pmod{4964}$ except $n = 1241$
17	74	$n \equiv 1, 3145, 3553, \text{ or } 4625 \pmod{5032}$
17	75	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{5100}$ except $n = 901, 1225, 1701, 2125$
17	76	$n \equiv 1, 817, 2737, \text{ or } 3553 \pmod{5168}$ except $n = 817$
17	77	$n \equiv 1, 561, 749, 1309, 2465, 3213, 3333, \text{ or } 4081 \pmod{5236}$ except $n = 561, 749, 1309, 2465$
17	78	$n \equiv 1, 273, 1105, 2041, 2601, 3537, 4369, \text{ or } 4641 \pmod{5304}$ except $n = 273, 1105, 2041, 2601$
17	79	$n \equiv 1, 1581, 2449, \text{ or } 4029 \pmod{5372}$ except $n = 1581, 2449$
17	80	$n \equiv 1, 1921, 3265, \text{ or } 5185 \pmod{5440}$ except $n = 1921$
17	81	$n \equiv 1, 1377, 1701, \text{ or } 5185 \pmod{5508}$ except $n = 1377, 1701$
17	82	$n \equiv 1, 697, 2993, \text{ or } 3281 \pmod{5576}$ except $n = 697$
17	83	$n \equiv 1, 4233, 4897, \text{ or } 4981 \pmod{5644}$
17	84	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
17	85	$n \equiv 1, 1445, 2601, \text{ or } 4625 \pmod{5780}$ except $n = 1445, 2601$
17	86	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{5848}$ except $n = 817, 1377, 2193$

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Table 16: Superspectra for  $p = 17$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
17	87	$n \equiv 1, 493, 697, 3741, 3945, 4437, 4641, \text{ or } 5713 \pmod{5916}$ except $n = 493, 697$
17	88	$n \equiv 1, 1089, 2465, \text{ or } 3553 \pmod{5984}$ except $n = 1089, 2465$
17	89	$n \equiv 1, 357, 1157, \text{ or } 1513 \pmod{6052}$ except $n = 357, 1157, 1513$
17	90	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$
17	91	$n \equiv 1, 273, 833, 1989, 2653, 3809, 4369, \text{ or } 4641 \pmod{6188}$ except $n = 273, 833, 1989, 2653$
17	92	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{6256}$ except $n = 1105, 1633, 2737$
17	93	$n \equiv 1, 1581, 2109, 2449, 3349, 4557, 5457, \text{ or } 5797 \pmod{6324}$ except $n = 1581, 2109, 2449$
17	94	$n \equiv 1, 2585, 3009, \text{ or } 5593 \pmod{6392}$ except $n = 2585, 3009$
17	95	$n \equiv 1, 1445, 2261, 2585, 3401, 4845, 5321, \text{ or } 5985 \pmod{6460}$ except $n = 1445, 2261, 2585$
17	96	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$
17	97	$n \equiv 1, 1649, 2329, \text{ or } 5917 \pmod{6596}$ except $n = 1649, 2329$
17	98	$n \equiv 1, 833, 1225, \text{ or } 6273 \pmod{6664}$ except $n = 833, 1225$
17	99	$n \equiv 1, 1089, 1837, 3213, 3961, 5049, 5797, \text{ or } 5985 \pmod{6732}$ except $n = 1089, 1837, 3213$
17	100	$n \equiv 1, 3825, 4625, \text{ or } 6001 \pmod{6800}$
17	101	$n \equiv 1, 1717, 3333, \text{ or } 5253 \pmod{6868}$ except $n = 1717, 3333$
17	102	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{6936}$ except $n = 289, 2313, 2601$
17	103	$n \equiv 1, 1649, 3605, \text{ or } 5253 \pmod{7004}$ except $n = 1649$
17	104	$n \equiv 1, 833, 3809, \text{ or } 4641 \pmod{7072}$ except $n = 833$
17	105	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, 2941, 4081,$ $4165, 4285, 4641, 4761, 4845, 5985, \text{ or } 7021 \pmod{7140}$ except $n = 85, 561, 1225, 1701, 1785, 1905, 2941$
17	106	$n \equiv 1, 425, 4081, \text{ or } 4505 \pmod{7208}$ except $n = 425$

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Table 16: Superspectra for  $p = 17$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
17	107	$n \equiv 1, 749, 4709, \text{ or } 5457 \pmod{7276}$ except $n = 749$
17	108	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
17	109	$n \equiv 1, 545, 1309, \text{ or } 1853 \pmod{7412}$ except $n = 545, 1309, 1853$
17	110	$n \equiv 1, 561, 2465, 2585, 3961, 4081, 5985, \text{ or } 6545 \pmod{7480}$ except $n = 561, 2465, 2585$
17	111	$n \equiv 1, 2109, 2517, 3145, 3553, 5661, 6069, \text{ or } 7141 \pmod{7548}$ except $n = 2109, 2517, 3145, 3553$
17	112	$n \equiv 1, 833, 2177, \text{ or } 6273 \pmod{7616}$ except $n = 833, 2177$
17	113	$n \equiv 1, 1921, 2261, \text{ or } 7345 \pmod{7684}$ except $n = 1921, 2261$
17	114	$n \equiv 1, 153, 817, 969, 2737, 3553, 5169, \text{ or } 5985 \pmod{7752}$ except $n = 153, 817, 969, 2737, 3553$
17	115	$n \equiv 1, 1105, 1565, 4301, 4761, 5865, 6325, \text{ or } 7361 \pmod{7820}$ except $n = 1105, 1565$
17	116	$n \equiv 1, 2465, 4641, \text{ or } 5713 \pmod{7888}$ except $n = 2465$
17	117	$n \equiv 1, 1989, 2601, 2925, 3537, 6409, 7021, \text{ or } 7345 \pmod{7956}$ except $n = 1989, 2601, 2925, 3537$
17	118	$n \equiv 1, 3009, 4897, \text{ or } 6137 \pmod{8024}$ except $n = 3009$
17	119	$n \equiv 1, 6069, 6937, \text{ or } 7225 \pmod{8092}$
17	120	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
17	121	$n \equiv 1, 969, 1089, \text{ or } 2057 \pmod{8228}$ except $n = 969, 1089, 2057$
17	122	$n \equiv 1, 1769, 3417, \text{ or } 5185 \pmod{8296}$ except $n = 1769, 3417$
17	123	$n \equiv 1, 205, 493, 697, 5577, 5781, 6069, \text{ or } 6273 \pmod{8364}$ except $n = 205, 493, 697$
17	124	$n \equiv 1, 2449, 5457, \text{ or } 7905 \pmod{8432}$ except $n = 2449$
17	125	$n \equiv 1, 2125, 4625, \text{ or } 6001 \pmod{8500}$ except $n = 2125$
17	126	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$

*continued on next page*

Table 16: Superspectra for  $p = 17$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
17	127	$n \equiv 1, 1905, 4573, \text{ or } 6477 \pmod{8636}$ except $n = 1905$
17	128	$n \equiv 1 \text{ or } 4097 \pmod{8704}$ except $n = 4097$

Table 17: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 18$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
18	2	$n \equiv 1 \text{ or } 81 \pmod{144}$
18	3	$n \equiv 1 \text{ or } 81 \pmod{216}$ except $n = 81$
18	4	$n \equiv 1 \text{ or } 225 \pmod{288}$
18	5	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
18	6	$n \equiv 1 \text{ or } 81 \pmod{432}$ except $n = 81$
18	7	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
18	8	$n \equiv 1 \text{ or } 513 \pmod{576}$
18	9	$n \equiv 1 \text{ or } 81 \pmod{648}$ except $n = 81$
18	10	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
18	11	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
18	12	$n \equiv 1 \text{ or } 513 \pmod{864}$
18	13	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
18	14	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
18	15	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
18	16	$n \equiv 1 \text{ or } 513 \pmod{1152}$ except $n = 513$
18	17	$n \equiv 1, 153, 289, \text{ or } 1089 \pmod{1224}$ except $n = 153, 289$
18	18	$n \equiv 1 \text{ or } 81 \pmod{1296}$ except $n = 81$
18	19	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{1368}$ except $n = 153, 361, 513$

*continued on next page*

Table 17: Superspectra for  $p = 18$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
18	20	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
18	21	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
18	22	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
18	23	$n \equiv 1, 369, 1081, \text{ or } 1449 \pmod{1656}$ except $n = 369$
18	24	$n \equiv 1 \text{ or } 513 \pmod{1728}$ except $n = 513$
18	25	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
18	26	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
18	27	$n \equiv 1 \text{ or } 729 \pmod{1944}$ except $n = 729$
18	28	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
18	29	$n \equiv 1, 145, 1161, \text{ or } 1305 \pmod{2088}$ except $n = 145$
18	30	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
18	31	$n \equiv 1, 217, 1737, \text{ or } 1953 \pmod{2232}$ except $n = 217$
18	32	$n \equiv 1 \text{ or } 513 \pmod{2304}$ except $n = 513$
18	33	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
18	34	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
18	35	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
18	36	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
18	37	$n \equiv 1, 297, 1369, \text{ or } 1665 \pmod{2664}$ except $n = 297$
18	38	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
18	39	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$
18	40	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
18	41	$n \equiv 1, 369, 657, \text{ or } 2665 \pmod{2952}$ except $n = 369, 657$
18	42	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
18	43	$n \equiv 1, 1161, 1377, \text{ or } 2881 \pmod{3096}$ except $n = 1161, 1377$
18	44	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$

*continued on next page*



Table 17: Superspectra for  $p = 18$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
18	45	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
18	46	$n \equiv 1, 369, 2737, \text{ or } 3105 \pmod{3312}$ except $n = 369$
18	47	$n \equiv 1, 1081, 1881, \text{ or } 2961 \pmod{3384}$ except $n = 1081$
18	48	$n \equiv 1 \text{ or } 513 \pmod{3456}$ except $n = 513$
18	49	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
18	50	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
18	51	$n \equiv 1, 1377, 1513, \text{ or } 3537 \pmod{3672}$ except $n = 1377, 1513$
18	52	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
18	53	$n \equiv 1, 2385, 2809, \text{ or } 3393 \pmod{3816}$
18	54	$n \equiv 1 \text{ or } 2673 \pmod{3888}$
18	55	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
18	56	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
18	57	$n \equiv 1, 513, 1729, \text{ or } 2889 \pmod{4104}$ except $n = 513, 1729$
18	58	$n \equiv 1, 145, 3249, \text{ or } 3393 \pmod{4176}$ except $n = 145$
18	59	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{4248}$ except $n = 649, 945, 1593$
18	60	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
18	61	$n \equiv 1, 793, 1953, \text{ or } 2745 \pmod{4392}$ except $n = 793, 1953$
18	62	$n \equiv 1, 1953, 2449, \text{ or } 3969 \pmod{4464}$ except $n = 1953$
18	63	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
18	64	$n \equiv 1 \text{ or } 513 \pmod{4608}$ except $n = 513$
18	65	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
18	66	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
18	67	$n \equiv 1, 1809, 2881, \text{ or } 3753 \pmod{4824}$ except $n = 1809$
18	68	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$

*continued on next page*

Table 17: Superspectra for  $p = 18$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
18	69	$n \equiv 1, 1081, 2025, \text{ or } 3105 \pmod{4968}$ except $n = 1081, 2025$
18	70	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
18	71	$n \equiv 1, 4473, 4545, \text{ or } 5041 \pmod{5112}$
18	72	$n \equiv 1 \text{ or } 3969 \pmod{5184}$
18	73	$n \equiv 1, 73, 585, \text{ or } 657 \pmod{5256}$ except $n = 73, 585, 657$
18	74	$n \equiv 1, 1665, 2961, \text{ or } 4033 \pmod{5328}$ except $n = 1665$
18	75	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
18	76	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
18	77	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
18	78	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
18	79	$n \equiv 1, 2449, 2529, \text{ or } 4977 \pmod{5688}$ except $n = 2449, 2529$
18	80	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
18	81	$n \equiv 1 \text{ or } 729 \pmod{5832}$ except $n = 729$
18	82	$n \equiv 1, 369, 657, \text{ or } 5617 \pmod{5904}$ except $n = 369, 657$
18	83	$n \equiv 1, 2241, 3321, \text{ or } 4897 \pmod{5976}$ except $n = 2241$
18	84	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
18	85	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$
18	86	$n \equiv 1, 1377, 2881, \text{ or } 4257 \pmod{6192}$ except $n = 1377, 2881$
18	87	$n \equiv 1, 1161, 4321, \text{ or } 5481 \pmod{6264}$ except $n = 1161$
18	88	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
18	89	$n \equiv 1, 801, 1513, \text{ or } 5697 \pmod{6408}$ except $n = 801, 1513$
18	90	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
18	91	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$

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Table 17: Superspectra for  $p = 18$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
18	92	$n \equiv 1, 3105, 3681, \text{ or } 6049 \pmod{6624}$ except $n = 3105$
18	93	$n \equiv 1, 217, 3969, \text{ or } 4185 \pmod{6696}$ except $n = 217$
18	94	$n \equiv 1, 2961, 4465, \text{ or } 5265 \pmod{6768}$ except $n = 2961$
18	95	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
18	96	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
18	97	$n \equiv 1, 873, 3105, \text{ or } 4753 \pmod{6984}$ except $n = 873, 3105$
18	98	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
18	99	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{7128}$ except $n = 649, 2025, 2673$
18	100	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
18	101	$n \equiv 1, 505, 4041, \text{ or } 4545 \pmod{7272}$ except $n = 505$
18	102	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
18	103	$n \equiv 1, 721, 5769, \text{ or } 6489 \pmod{7416}$ except $n = 721$
18	104	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
18	105	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
18	106	$n \equiv 1, 2385, 3393, \text{ or } 6625 \pmod{7632}$ except $n = 2385, 3393$
18	107	$n \equiv 1, 2889, 3745, \text{ or } 6849 \pmod{7704}$ except $n = 2889, 3745$
18	108	$n \equiv 1 \text{ or } 6561 \pmod{7776}$
18	109	$n \equiv 1, 873, 4033, \text{ or } 4905 \pmod{7848}$ except $n = 873$
18	110	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
18	111	$n \equiv 1, 297, 6697, \text{ or } 6993 \pmod{7992}$ except $n = 297$
18	112	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
18	113	$n \equiv 1, 1017, 1809, \text{ or } 7345 \pmod{8136}$ except $n = 1017, 1809$
18	114	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$

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Table 17: Superspectra for  $p = 18$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
18	115	$n \equiv 1, 1081, 2025, 3105, 3681, 4761, 6625, \text{ or } 7705 \pmod{8280}$ except $n = 1081, 2025, 3105, 3681$
18	116	$n \equiv 1, 3393, 4321, \text{ or } 7425 \pmod{8352}$ except $n = 3393$
18	117	$n \equiv 1, 729, 4537, \text{ or } 5265 \pmod{8424}$ except $n = 729$
18	118	$n \equiv 1, 945, 4897, \text{ or } 5841 \pmod{8496}$ except $n = 945$
18	119	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
18	120	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
18	121	$n \equiv 1, 1089, 3025, \text{ or } 6777 \pmod{8712}$ except $n = 1089, 3025$
18	122	$n \equiv 1, 1953, 5185, \text{ or } 7137 \pmod{8784}$ except $n = 1953$
18	123	$n \equiv 1, 3321, 5617, \text{ or } 6561 \pmod{8856}$ except $n = 3321$
18	124	$n \equiv 1, 1953, 3969, \text{ or } 6913 \pmod{8928}$ except $n = 1953, 3969$
18	125	$n \equiv 1, 5625, 6625, \text{ or } 8001 \pmod{9000}$
18	126	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
18	127	$n \equiv 1, 1017, 6985, \text{ or } 8001 \pmod{9144}$ except $n = 1017$
18	128	$n \equiv 1 \text{ or } 5121 \pmod{9216}$

Table 18: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 19$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
19	2	$n \equiv 1 \text{ or } 57 \pmod{152}$ except $n = 57$
19	3	$n \equiv 1, 57, 133, \text{ or } 153 \pmod{228}$ except $n = 57$
19	4	$n \equiv 1 \text{ or } 209 \pmod{304}$
19	5	$n \equiv 1, 285, 305, \text{ or } 361 \pmod{380}$
19	6	$n \equiv 1, 57, 153, \text{ or } 361 \pmod{456}$ except $n = 57, 153$

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Table 18: Superspectra for  $p = 19$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
19	7	$n \equiv 1, 57, 77, \text{ or } 133 \pmod{532}$ except $n = 57, 77, 133$
19	8	$n \equiv 1 \text{ or } 513 \pmod{608}$
19	9	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{684}$ except $n = 153$
19	10	$n \equiv 1, 305, 361, \text{ or } 665 \pmod{760}$ except $n = 305, 361$
19	11	$n \equiv 1, 77, 133, \text{ or } 209 \pmod{836}$ except $n = 77, 133, 209$
19	12	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
19	13	$n \equiv 1, 209, 533, \text{ or } 741 \pmod{988}$ except $n = 209$
19	14	$n \equiv 1, 57, 609, \text{ or } 665 \pmod{1064}$ except $n = 57$
19	15	$n \equiv 1, 285, 361, 381, 685, 741, 1045, \text{ or } 1065 \pmod{1140}$ except $n = 285, 361, 381$
19	16	$n \equiv 1 \text{ or } 513 \pmod{1216}$ except $n = 513$
19	17	$n \equiv 1, 153, 817, \text{ or } 969 \pmod{1292}$ except $n = 153$
19	18	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{1368}$ except $n = 153, 361, 513$
19	19	$n \equiv 1 \text{ or } 361 \pmod{1444}$ except $n = 361$
19	20	$n \equiv 1, 305, 1121, \text{ or } 1425 \pmod{1520}$ except $n = 305$
19	21	$n \equiv 1, 57, 133, 589, 609, 1065, 1141, \text{ or } 1197 \pmod{1596}$ except $n = 57, 133, 589, 609$
19	22	$n \equiv 1, 209, 913, \text{ or } 969 \pmod{1672}$ except $n = 209$
19	23	$n \equiv 1, 437, 989, \text{ or } 1197 \pmod{1748}$ except $n = 437$
19	24	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
19	25	$n \equiv 1, 1425, 1501, \text{ or } 1825 \pmod{1900}$
19	26	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{1976}$ except $n = 209$
19	27	$n \equiv 1, 513, 837, \text{ or } 1729 \pmod{2052}$ except $n = 513, 837$
19	28	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{2128}$ except $n = 609$
19	29	$n \equiv 1, 609, 1045, \text{ or } 1653 \pmod{2204}$ except $n = 609, 1045$

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Table 18: Superspectra for  $p = 19$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
19	30	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
19	31	$n \equiv 1, 589, 837, \text{ or } 2109 \pmod{2356}$ except $n = 589, 837$
19	32	$n \equiv 1 \text{ or } 513 \pmod{2432}$ except $n = 513$
19	33	$n \equiv 1, 133, 837, 913, 969, 1045, 1749, \text{ or } 1881 \pmod{2508}$ except $n = 133, 837, 913, 969, 1045$
19	34	$n \equiv 1, 153, 817, \text{ or } 969 \pmod{2584}$ except $n = 153, 817, 969$
19	35	$n \equiv 1, 665, 1065, 1121, 1141, 2185, 2205, \text{ or } 2261 \pmod{2660}$ except $n = 665, 1065, 1121, 1141$
19	36	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
19	37	$n \equiv 1, 741, 1369, \text{ or } 2109 \pmod{2812}$ except $n = 741, 1369$
19	38	$n \equiv 1 \text{ or } 361 \pmod{2888}$ except $n = 361$
19	39	$n \equiv 1, 741, 1197, 1521, 1729, 1977, 2185, \text{ or } 2509 \pmod{2964}$ except $n = 741, 1197$
19	40	$n \equiv 1, 1121, 1825, \text{ or } 2945 \pmod{3040}$ except $n = 1121$
19	41	$n \equiv 1, 533, 1805, \text{ or } 2337 \pmod{3116}$ except $n = 533$
19	42	$n \equiv 1, 57, 609, 1065, 1729, 2185, 2737, \text{ or } 2793 \pmod{3192}$ except $n = 57, 609, 1065$
19	43	$n \equiv 1, 817, 989, \text{ or } 3097 \pmod{3268}$ except $n = 817, 989$
19	44	$n \equiv 1, 209, 913, \text{ or } 2641 \pmod{3344}$ except $n = 209, 913$
19	45	$n \equiv 1, 361, 685, 1045, 1521, 1881, 2205, \text{ or } 2565 \pmod{3420}$ except $n = 361, 685, 1045, 1521$
19	46	$n \equiv 1, 2185, 2737, \text{ or } 2945 \pmod{3496}$
19	47	$n \equiv 1, 893, 1881, \text{ or } 2585 \pmod{3572}$ except $n = 893$
19	48	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
19	49	$n \equiv 1, 589, 2205, \text{ or } 2793 \pmod{3724}$ except $n = 589$
19	50	$n \equiv 1, 1425, 1825, \text{ or } 3401 \pmod{3800}$ except $n = 1425, 1825$

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Table 18: Superspectra for  $p = 19$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
19	51	$n \equiv 1, 153, 817, 969, 1293, 2109, 2737, \text{ or } 3553 \pmod{3876}$ except $n = 153, 817, 969, 1293$
19	52	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{3952}$ except $n = 209, 1521, 1729$
19	53	$n \equiv 1, 1273, 1749, \text{ or } 3021 \pmod{4028}$ except $n = 1273, 1749$
19	54	$n \equiv 1, 513, 1729, \text{ or } 2889 \pmod{4104}$ except $n = 513, 1729$
19	55	$n \equiv 1, 1045, 1805, 1881, 2585, 2641, 3345, \text{ or } 3421 \pmod{4180}$ except $n = 1045, 1805, 1881$
19	56	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{4256}$ except $n = 609, 1121, 1729$
19	57	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{4332}$ except $n = 361$
19	58	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{4408}$ except $n = 609$
19	59	$n \equiv 1, 1121, 1653, \text{ or } 3953 \pmod{4484}$ except $n = 1121, 1653$
19	60	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
19	61	$n \equiv 1, 305, 3173, \text{ or } 3477 \pmod{4636}$ except $n = 305$
19	62	$n \equiv 1, 2945, 3193, \text{ or } 4465 \pmod{4712}$
19	63	$n \equiv 1, 1197, 1729, 2205, 2737, 3249, 3781, \text{ or } 4257 \pmod{4788}$ except $n = 1197, 1729, 2205$
19	64	$n \equiv 1 \text{ or } 513 \pmod{4864}$ except $n = 513$
19	65	$n \equiv 1, 741, 1521, 2185, 2965, 3705, 4161, \text{ or } 4485 \pmod{4940}$ except $n = 741, 1521, 2185$
19	66	$n \equiv 1, 913, 969, 1881, 2641, 3345, 3553, \text{ or } 4257 \pmod{5016}$ except $n = 913, 969, 1881$
19	67	$n \equiv 1, 1273, 2413, \text{ or } 3953 \pmod{5092}$ except $n = 1273, 2413$
19	68	$n \equiv 1, 817, 2737, \text{ or } 3553 \pmod{5168}$ except $n = 817$
19	69	$n \equiv 1, 1197, 1749, 2185, 2737, 3933, 4485, \text{ or } 4693 \pmod{5244}$ except $n = 1197, 1749, 2185$
19	70	$n \equiv 1, 665, 1065, 1121, 2185, 3801, 4865, \text{ or } 4921 \pmod{5320}$ except $n = 665, 1065, 1121, 2185$

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Table 18: Superspectra for  $p = 19$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
19	71	$n \equiv 1, 285, 1065, \text{ or } 1349 \pmod{5396}$ except $n = 285, 1065, 1349$
19	72	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
19	73	$n \equiv 1, 1825, 2337, \text{ or } 4161 \pmod{5548}$ except $n = 1825, 2337$
19	74	$n \equiv 1, 1369, 3553, \text{ or } 4921 \pmod{5624}$ except $n = 1369$
19	75	$n \equiv 1, 1425, 1501, 1825, 3325, 3801, 5301, \text{ or } 5625 \pmod{5700}$ except $n = 1425, 1501, 1825$
19	76	$n \equiv 1 \text{ or } 3249 \pmod{5776}$
19	77	$n \equiv 1, 77, 133, 1673, 2717, 4257, 4313, \text{ or } 4389 \pmod{5852}$ except $n = 77, 133, 1673, 2717$
19	78	$n \equiv 1, 1521, 1729, 1977, 2185, 3705, 4161, \text{ or } 5473 \pmod{5928}$ except $n = 1521, 1729, 1977, 2185$
19	79	$n \equiv 1, 1501, 3477, \text{ or } 4029 \pmod{6004}$ except $n = 1501$
19	80	$n \equiv 1, 2945, 4161, \text{ or } 4865 \pmod{6080}$ except $n = 2945$
19	81	$n \equiv 1, 4617, 4941, \text{ or } 5833 \pmod{6156}$
19	82	$n \equiv 1, 2337, 3649, \text{ or } 4921 \pmod{6232}$ except $n = 2337$
19	83	$n \equiv 1, 665, 913, \text{ or } 1577 \pmod{6308}$ except $n = 665, 913, 1577$
19	84	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
19	85	$n \equiv 1, 1445, 2261, 2585, 3401, 4845, 5321, \text{ or } 5985 \pmod{6460}$ except $n = 1445, 2261, 2585$
19	86	$n \equiv 1, 817, 3097, \text{ or } 4257 \pmod{6536}$ except $n = 817, 3097$
19	87	$n \equiv 1, 609, 1045, 1653, 2205, 3249, 5017, \text{ or } 6061 \pmod{6612}$ except $n = 609, 1045, 1653, 2205, 3249$
19	88	$n \equiv 1, 3553, 4257, \text{ or } 5985 \pmod{6688}$
19	89	$n \equiv 1, 1425, 3649, \text{ or } 5073 \pmod{6764}$ except $n = 1425$
19	90	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$

*continued on next page*



Table 18: Superspectra for  $p = 19$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
19	91	$n \equiv 1, 533, 1197, 1729, 2185, 2717, 5929, \text{ or } 6461 \pmod{6916}$ except $n = 533, 1197, 1729, 2185, 2717$
19	92	$n \equiv 1, 2737, 2945, \text{ or } 5681 \pmod{6992}$ except $n = 2737, 2945$
19	93	$n \equiv 1, 589, 837, 2109, 3193, 4465, 4713, \text{ or } 5301 \pmod{7068}$ except $n = 589, 837, 2109, 3193$
19	94	$n \equiv 1, 1881, 2585, \text{ or } 4465 \pmod{7144}$ except $n = 1881, 2585$
19	95	$n \equiv 1, 361, 1445, \text{ or } 1805 \pmod{7220}$ except $n = 361, 1445, 1805$
19	96	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
19	97	$n \equiv 1, 2717, 2813, \text{ or } 5529 \pmod{7372}$ except $n = 2717, 2813$
19	98	$n \equiv 1, 2793, 4313, \text{ or } 5929 \pmod{7448}$ except $n = 2793$
19	99	$n \equiv 1, 837, 1045, 1881, 3421, 4257, 5149, \text{ or } 5985 \pmod{7524}$ except $n = 837, 1045, 1881, 3421$
19	100	$n \equiv 1, 1425, 1825, \text{ or } 7201 \pmod{7600}$ except $n = 1425, 1825$
19	101	$n \equiv 1, 5757, 6061, \text{ or } 7373 \pmod{7676}$
19	102	$n \equiv 1, 153, 817, 969, 2737, 3553, 5169, \text{ or } 5985 \pmod{7752}$ except $n = 153, 817, 969, 2737, 3553$
19	103	$n \equiv 1, 1957, 3193, \text{ or } 6593 \pmod{7828}$ except $n = 1957, 3193$
19	104	$n \equiv 1, 1729, 4161, \text{ or } 5473 \pmod{7904}$ except $n = 1729$
19	105	$n \equiv 1, 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801,$ $4845, 4921, 5985, 6385, 6441, 7525, \text{ or } 7581 \pmod{7980}$ except $n = 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801$
19	106	$n \equiv 1, 1273, 5777, \text{ or } 7049 \pmod{8056}$ except $n = 1273$
19	107	$n \equiv 1, 2033, 2889, \text{ or } 7277 \pmod{8132}$ except $n = 2033, 2889$
19	108	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
19	109	$n \equiv 1, 437, 5777, \text{ or } 6213 \pmod{8284}$ except $n = 437$
19	110	$n \equiv 1, 1881, 2585, 2641, 3345, 5225, 5985, \text{ or } 7601 \pmod{8360}$ except $n = 1881, 2585, 2641, 3345$

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Table 18: Superspectra for  $p = 19$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
19	111	$n \equiv 1, 741, 1369, 2109, 3553, 4921, 5625, \text{ or } 6993 \pmod{8436}$ except $n = 741, 1369, 2109, 3553$
19	112	$n \equiv 1, 1729, 4865, \text{ or } 5377 \pmod{8512}$ except $n = 1729$
19	113	$n \equiv 1, 2261, 4181, \text{ or } 6441 \pmod{8588}$ except $n = 2261, 4181$
19	114	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{8664}$ except $n = 361, 2889, 3249$
19	115	$n \equiv 1, 2185, 2945, 4485, 5245, 5681, 6441, \text{ or } 7981 \pmod{8740}$ except $n = 2185, 2945$
19	116	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{8816}$ except $n = 609, 3249, 3857$
19	117	$n \equiv 1, 1197, 1521, 1729, 4941, 5149, 5473, \text{ or } 6669 \pmod{8892}$ except $n = 1197, 1521, 1729$
19	118	$n \equiv 1, 1121, 3953, \text{ or } 6137 \pmod{8968}$ except $n = 1121, 3953$
19	119	$n \equiv 1, 2261, 2737, 4845, 5321, 5985, 6461, \text{ or } 8569 \pmod{9044}$ except $n = 2261, 2737$
19	120	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
19	121	$n \equiv 1, 969, 5929, \text{ or } 6897 \pmod{9196}$ except $n = 969$
19	122	$n \equiv 1, 305, 7809, \text{ or } 8113 \pmod{9272}$ except $n = 305$
19	123	$n \equiv 1, 2337, 3117, 3649, 4921, 6765, 8037, \text{ or } 8569 \pmod{9348}$ except $n = 2337, 3117, 3649$
19	124	$n \equiv 1, 2945, 4465, \text{ or } 7905 \pmod{9424}$ except $n = 2945, 4465$
19	125	$n \equiv 1, 1501, 5625, \text{ or } 7125 \pmod{9500}$ except $n = 1501$
19	126	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 8569 \pmod{9576}$ except $n = 1729, 2737, 3249, 4257$
19	127	$n \equiv 1, 381, 2033, \text{ or } 2413 \pmod{9652}$ except $n = 381, 2033, 2413$
19	128	$n \equiv 1 \text{ or } 513 \pmod{9728}$ except $n = 513$

Table 19: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 20$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
20	2	$n \equiv 1$ or $65 \pmod{160}$ except $n = 65$
20	3	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{240}$ except $n = 81$
20	4	$n \equiv 1$ or $65 \pmod{320}$ except $n = 65$
20	5	$n \equiv 1$ or $225 \pmod{400}$
20	6	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
20	7	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
20	8	$n \equiv 1$ or $385 \pmod{640}$
20	9	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
20	10	$n \equiv 1$ or $225 \pmod{800}$ except $n = 225$
20	11	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
20	12	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
20	13	$n \equiv 1, 65, 481, \text{ or } 625 \pmod{1040}$ except $n = 65, 481$
20	14	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
20	15	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
20	16	$n \equiv 1$ or $1025 \pmod{1280}$
20	17	$n \equiv 1, 545, 561, \text{ or } 1105 \pmod{1360}$ except $n = 545, 561$
20	18	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
20	19	$n \equiv 1, 305, 1121, \text{ or } 1425 \pmod{1520}$ except $n = 305$
20	20	$n \equiv 1$ or $1025 \pmod{1600}$
20	21	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
20	22	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
20	23	$n \equiv 1, 161, 1105, \text{ or } 1265 \pmod{1840}$ except $n = 161$
20	24	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
20	25	$n \equiv 1$ or $625 \pmod{2000}$ except $n = 625$

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Table 19: Superspectra for  $p = 20$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
20	26	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
20	27	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
20	28	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
20	29	$n \equiv 1, 145, 465, \text{ or } 2001 \pmod{2320}$ except $n = 145, 465$
20	30	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
20	31	$n \equiv 1, 465, 961, \text{ or } 1985 \pmod{2480}$ except $n = 465, 961$
20	32	$n \equiv 1 \text{ or } 1025 \pmod{2560}$ except $n = 1025$
20	33	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
20	34	$n \equiv 1, 545, 1921, \text{ or } 2465 \pmod{2720}$ except $n = 545$
20	35	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{2800}$ except $n = 225$
20	36	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
20	37	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{2960}$ except $n = 481, 1185$
20	38	$n \equiv 1, 1121, 1825, \text{ or } 2945 \pmod{3040}$ except $n = 1121$
20	39	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
20	40	$n \equiv 1 \text{ or } 1025 \pmod{3200}$ except $n = 1025$
20	41	$n \equiv 1, 1025, 1681, \text{ or } 2625 \pmod{3280}$ except $n = 1025$
20	42	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
20	43	$n \equiv 1, 1505, 2065, \text{ or } 2881 \pmod{3440}$ except $n = 1505$
20	44	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
20	45	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
20	46	$n \equiv 1, 161, 2945, \text{ or } 3105 \pmod{3680}$ except $n = 161$
20	47	$n \equiv 1, 705, 1505, \text{ or } 2961 \pmod{3760}$ except $n = 705, 1505$
20	48	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$

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Table 19: Superspectra for  $p = 20$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
20	49	$n \equiv 1, 785, 2401, \text{ or } 3185 \pmod{3920}$ except $n = 785$
20	50	$n \equiv 1 \text{ or } 2625 \pmod{4000}$
20	51	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
20	52	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
20	53	$n \equiv 1, 2385, 2545, \text{ or } 4081 \pmod{4240}$
20	54	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
20	55	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
20	56	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
20	57	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
20	58	$n \equiv 1, 2465, 2785, \text{ or } 4321 \pmod{4640}$
20	59	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{4720}$ except $n = 945, 1121, 2065$
20	60	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
20	61	$n \equiv 1, 305, 1281, \text{ or } 3905 \pmod{4880}$ except $n = 305, 1281$
20	62	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{4960}$ except $n = 961, 1985$
20	63	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
20	64	$n \equiv 1 \text{ or } 1025 \pmod{5120}$ except $n = 1025$
20	65	$n \equiv 1, 625, 3601, \text{ or } 4225 \pmod{5200}$ except $n = 625$
20	66	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
20	67	$n \equiv 1, 2145, 2881, \text{ or } 5025 \pmod{5360}$ except $n = 2145$
20	68	$n \equiv 1, 1921, 3265, \text{ or } 5185 \pmod{5440}$ except $n = 1921$
20	69	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
20	70	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$

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Table 19: Superspectra for  $p = 20$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
20	71	$n \equiv 1, 3905, 4545, \text{ or } 5041 \pmod{5680}$
20	72	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
20	73	$n \equiv 1, 1825, 3505, \text{ or } 4161 \pmod{5840}$ except $n = 1825$
20	74	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{5920}$ except $n = 481, 1185, 1665$
20	75	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
20	76	$n \equiv 1, 2945, 4161, \text{ or } 4865 \pmod{6080}$ except $n = 2945$
20	77	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
20	78	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
20	79	$n \equiv 1, 1185, 1265, \text{ or } 6241 \pmod{6320}$ except $n = 1185, 1265$
20	80	$n \equiv 1 \text{ or } 1025 \pmod{6400}$ except $n = 1025$
20	81	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
20	82	$n \equiv 1, 1025, 2625, \text{ or } 4961 \pmod{6560}$ except $n = 1025, 2625$
20	83	$n \equiv 1, 2241, 3985, \text{ or } 6225 \pmod{6640}$ except $n = 2241$
20	84	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
20	85	$n \equiv 1, 3825, 4625, \text{ or } 6001 \pmod{6800}$
20	86	$n \equiv 1, 1505, 2881, \text{ or } 5505 \pmod{6880}$ except $n = 1505, 2881$
20	87	$n \equiv 1, 145, 465, 2001, 2785, 4321, 4641, \text{ or } 4785 \pmod{6960}$ except $n = 145, 465, 2001, 2785$
20	88	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
20	89	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{7120}$ except $n = 801, 1425, 2225$
20	90	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
20	91	$n \equiv 1, 3185, 3745, 4641, 5201, 5265, 5825, \text{ or } 6721 \pmod{7280}$ except $n = 3185$
20	92	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{7360}$ except $n = 2945$

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Table 19: Superspectra for  $p = 20$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
20	93	$n \equiv 1, 465, 961, 2481, 3441, 4465, 5425, \text{ or } 6945 \pmod{7440}$ except $n = 465, 961, 2481, 3441$
20	94	$n \equiv 1, 705, 1505, \text{ or } 6721 \pmod{7520}$ except $n = 705, 1505$
20	95	$n \equiv 1, 1425, 1825, \text{ or } 7201 \pmod{7600}$ except $n = 1425, 1825$
20	96	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
20	97	$n \equiv 1, 3105, 3201, \text{ or } 6305 \pmod{7760}$ except $n = 3105, 3201$
20	98	$n \equiv 1, 2401, 4705, \text{ or } 7105 \pmod{7840}$ except $n = 2401$
20	99	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
20	100	$n \equiv 1 \text{ or } 2625 \pmod{8000}$ except $n = 2625$
20	101	$n \equiv 1, 4545, 6161, \text{ or } 6465 \pmod{8080}$
20	102	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
20	103	$n \equiv 1, 721, 4945, \text{ or } 5665 \pmod{8240}$ except $n = 721$
20	104	$n \equiv 1, 1665, 2561, \text{ or } 4225 \pmod{8320}$ except $n = 1665, 2561$
20	105	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
20	106	$n \equiv 1, 6625, 6785, \text{ or } 8321 \pmod{8480}$
20	107	$n \equiv 1, 321, 3425, \text{ or } 3745 \pmod{8560}$ except $n = 321, 3425, 3745$
20	108	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
20	109	$n \equiv 1, 545, 1745, \text{ or } 7521 \pmod{8720}$ except $n = 545, 1745$
20	110	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
20	111	$n \equiv 1, 481, 1185, 1665, 2961, 3441, 7105, \text{ or } 7585 \pmod{8880}$ except $n = 481, 1185, 1665, 2961, 3441$
20	112	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
20	113	$n \equiv 1, 1921, 5425, \text{ or } 7345 \pmod{9040}$ except $n = 1921$

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Table 19: Superspectra for  $p = 20$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
20	114	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
20	115	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{9200}$ except $n = 2001$
20	116	$n \equiv 1, 7105, 7425, \text{ or } 8961 \pmod{9280}$
20	117	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
20	118	$n \equiv 1, 1121, 5665, \text{ or } 6785 \pmod{9440}$ except $n = 1121$
20	119	$n \equiv 1, 561, 1905, 2465, 4081, 4641, 5985, \text{ or } 6545 \pmod{9520}$ except $n = 561, 1905, 2465, 4081, 4641$
20	120	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
20	121	$n \equiv 1, 3025, 4961, \text{ or } 7745 \pmod{9680}$ except $n = 3025$
20	122	$n \equiv 1, 1281, 3905, \text{ or } 5185 \pmod{9760}$ except $n = 1281, 3905$
20	123	$n \equiv 1, 1681, 2625, 4305, 5905, 6561, 7585, \text{ or } 8241 \pmod{9840}$ except $n = 1681, 2625, 4305$
20	124	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{9920}$ except $n = 961, 1985, 2945$
20	125	$n \equiv 1 \text{ or } 625 \pmod{10000}$ except $n = 625$
20	126	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
20	127	$n \equiv 1, 1905, 4065, \text{ or } 8001 \pmod{10160}$ except $n = 1905, 4065$
20	128	$n \equiv 1 \text{ or } 6145 \pmod{10240}$

Table 20: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 21$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	2	$n \equiv 1, 49, 57, \text{ or } 105 \pmod{168}$ except $n = 49, 57$
21	3	$n \equiv 1, 189, 217, \text{ or } 225 \pmod{252}$

*continued on next page*



Table 20: Superspectra for  $p = 21$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	4	$n \equiv 1, 49, 225, \text{ or } 273 \pmod{336}$ except $n = 49$
21	5	$n \equiv 1, 21, 85, 105, 141, 225, 301, \text{ or } 385 \pmod{420}$ except $n = 21, 85, 105, 141$
21	6	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
21	7	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{588}$ except $n = 49$
21	8	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
21	9	$n \equiv 1, 189, 217, \text{ or } 729 \pmod{756}$ except $n = 189, 217$
21	10	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
21	11	$n \equiv 1, 133, 253, 309, 385, 441, 561, \text{ or } 693 \pmod{924}$ except $n = 133, 253, 309, 385, 441$
21	12	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
21	13	$n \equiv 1, 105, 169, 273, 469, 637, 729, \text{ or } 897 \pmod{1092}$ except $n = 105, 169, 273, 469$
21	14	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{1176}$ except $n = 49, 393, 441$
21	15	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
21	16	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
21	17	$n \equiv 1, 85, 273, 357, 477, 561, 1225, \text{ or } 1309 \pmod{1428}$ except $n = 85, 273, 357, 477, 561$
21	18	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
21	19	$n \equiv 1, 57, 133, 589, 609, 1065, 1141, \text{ or } 1197 \pmod{1596}$ except $n = 57, 133, 589, 609$
21	20	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
21	21	$n \equiv 1, 441, 981, \text{ or } 1225 \pmod{1764}$ except $n = 441$
21	22	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$

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Table 20: Superspectra for  $p = 21$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	23	$n \equiv 1, 253, 553, 645, 805, 897, 1197, \text{ or } 1449 \pmod{1932}$ except $n = 253, 553, 645, 805, 897$
21	24	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
21	25	$n \equiv 1, 225, 301, 525, 925, 1225, 1401, \text{ or } 1701 \pmod{2100}$ except $n = 225, 301, 525, 925$
21	26	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
21	27	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{2268}$ except $n = 729, 973$
21	28	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
21	29	$n \equiv 1, 609, 813, 841, 1393, 1653, 2205, \text{ or } 2233 \pmod{2436}$ except $n = 609, 813, 841$
21	30	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
21	31	$n \equiv 1, 217, 589, 1365, 1737, 1953, 2233, \text{ or } 2325 \pmod{2604}$ except $n = 217, 589$
21	32	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
21	33	$n \equiv 1, 253, 441, 693, 1233, 1485, 1981, \text{ or } 2233 \pmod{2772}$ except $n = 253, 441, 693, 1233$
21	34	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
21	35	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2401, \text{ or } 2745 \pmod{2940}$ except $n = 441, 981, 1225$
21	36	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
21	37	$n \equiv 1, 777, 889, 925, 1813, 2073, 2961, \text{ or } 2997 \pmod{3108}$ except $n = 777, 889, 925$
21	38	$n \equiv 1, 57, 609, 1065, 1729, 2185, 2737, \text{ or } 2793 \pmod{3192}$ except $n = 57, 609, 1065$
21	39	$n \equiv 1, 469, 729, 1197, 1261, 1729, 1989, \text{ or } 2457 \pmod{3276}$ except $n = 469, 729, 1197, 1261$

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Table 20: Superspectra for  $p = 21$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	40	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
21	41	$n \equiv 1, 861, 1149, 1477, 1681, 2625, 2829, \text{ or } 3157 \pmod{3444}$ except $n = 861, 1149, 1477, 1681$
21	42	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
21	43	$n \equiv 1, 301, 645, 861, 1849, 2065, 2409, \text{ or } 2709 \pmod{3612}$ except $n = 301, 645, 861$
21	44	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
21	45	$n \equiv 1, 945, 1485, 1701, 2241, 2485, 3025, \text{ or } 3241 \pmod{3780}$ except $n = 945, 1485, 1701$
21	46	$n \equiv 1, 553, 897, 1449, 2185, 2577, 2737, \text{ or } 3129 \pmod{3864}$ except $n = 553, 897, 1449$
21	47	$n \equiv 1, 141, 189, 1317, 1645, 2773, 2821, \text{ or } 2961 \pmod{3948}$ except $n = 141, 189, 1317, 1645$
21	48	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
21	49	$n \equiv 1, 1029, 2401, \text{ or } 2745 \pmod{4116}$ except $n = 1029$
21	50	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
21	51	$n \equiv 1, 477, 1225, 1513, 1701, 1989, 2737, \text{ or } 3213 \pmod{4284}$ except $n = 477, 1225, 1513, 1701, 1989$
21	52	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
21	53	$n \equiv 1, 477, 637, 1113, 1485, 2121, 3445, \text{ or } 4081 \pmod{4452}$ except $n = 477, 637, 1113, 1485, 2121$
21	54	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
21	55	$n \equiv 1, 385, 441, 561, 925, 1365, 1485, 1981, 2101,$ $2541, 2905, 3025, 3081, 3465, 4005, \text{ or } 4081 \pmod{4620}$ except $n = 385, 441, 561, 925, 1365, 1485, 1981, 2101$

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Table 20: Superspectra for  $p = 21$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	56	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
21	57	$n \equiv 1, 1197, 1729, 2205, 2737, 3249, 3781, \text{ or } 4257 \pmod{4788}$ except $n = 1197, 1729, 2205$
21	58	$n \equiv 1, 609, 841, 1393, 2233, 3249, 4089, \text{ or } 4641 \pmod{4872}$ except $n = 609, 841, 1393, 2233$
21	59	$n \equiv 1, 945, 1653, 2065, 2773, 3717, 4249, \text{ or } 4425 \pmod{4956}$ except $n = 945, 1653, 2065$
21	60	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
21	61	$n \equiv 1, 1281, 1953, 2745, 2989, 3417, 3661, \text{ or } 4453 \pmod{5124}$ except $n = 1281, 1953$
21	62	$n \equiv 1, 217, 1737, 1953, 2233, 3193, 3969, \text{ or } 4929 \pmod{5208}$ except $n = 217, 1737, 1953, 2233$
21	63	$n \equiv 1, 3969, 4509, \text{ or } 4753 \pmod{5292}$
21	64	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
21	65	$n \equiv 1, 105, 1261, 1365, 1561, 1821, 2185, 2821, 3081,$ $3381, 3445, 3745, 4005, 4641, 5005, \text{ or } 5265 \pmod{5460}$ except $n = 105, 1261, 1365, 1561, 1821, 2185$
21	66	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
21	67	$n \equiv 1, 469, 805, 3417, 3753, 4221, 4557, \text{ or } 5293 \pmod{5628}$ except $n = 469, 805$
21	68	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
21	69	$n \equiv 1, 253, 1197, 1449, 2485, 2737, 4509, \text{ or } 4761 \pmod{5796}$ except $n = 253, 1197, 1449, 2485, 2737$
21	70	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$

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Table 20: Superspectra for  $p = 21$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	71	$n \equiv 1, 1065, 1989, 2485, 3409, 4473, 5041, \text{ or } 5397 \pmod{5964}$ except $n = 1065, 1989, 2485$
21	72	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
21	73	$n \equiv 1, 1533, 2409, 3213, 3577, 4089, 4453, \text{ or } 5257 \pmod{6132}$ except $n = 1533, 2409$
21	74	$n \equiv 1, 777, 889, 2073, 2961, 4033, 4921, \text{ or } 6105 \pmod{6216}$ except $n = 777, 889, 2073, 2961$
21	75	$n \equiv 1, 225, 1225, 1701, 3025, 3501, 4501, \text{ or } 4725 \pmod{6300}$ except $n = 225, 1225, 1701, 3025$
21	76	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
21	77	$n \equiv 1, 441, 1177, 1617, 2157, 3333, 4753, \text{ or } 5929 \pmod{6468}$ except $n = 441, 1177, 1617, 2157$
21	78	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
21	79	$n \equiv 1, 553, 1897, 3081, 4425, 4977, 5293, \text{ or } 6321 \pmod{6636}$ except $n = 553, 1897, 3081$
21	80	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
21	81	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{6804}$ except $n = 729, 973, 1701$
21	82	$n \equiv 1, 1681, 2625, 4305, 4593, 4921, 6273, \text{ or } 6601 \pmod{6888}$ except $n = 1681, 2625$
21	83	$n \equiv 1, 2241, 2325, 2905, 2989, 5229, 5313, \text{ or } 6889 \pmod{6972}$ except $n = 2241, 2325, 2905, 2989$
21	84	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
21	85	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, 2941, 4081,$ $4165, 4285, 4641, 4761, 4845, 5985, \text{ or } 7021 \pmod{7140}$ except $n = 85, 561, 1225, 1701, 1785, 1905, 2941$

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Table 20: Superspectra for  $p = 21$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	86	$n \equiv 1, 1849, 2065, 2409, 3913, 4257, 4473, \text{ or } 6321 \pmod{7224}$ except $n = 1849, 2065, 2409$
21	87	$n \equiv 1, 2205, 2233, 3249, 3277, 5481, 6265, \text{ or } 6525 \pmod{7308}$ except $n = 2205, 2233, 3249, 3277$
21	88	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
21	89	$n \equiv 1, 357, 1513, 1869, 2493, 4005, 5341, \text{ or } 6853 \pmod{7476}$ except $n = 357, 1513, 1869, 2493$
21	90	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
21	91	$n \equiv 1, 637, 2353, 3381, 5097, 5733, 5929, \text{ or } 7449 \pmod{7644}$ except $n = 637, 2353, 3381$
21	92	$n \equiv 1, 897, 2577, 2737, 4417, 5313, 6049, \text{ or } 6993 \pmod{7728}$ except $n = 897, 2577, 2737$
21	93	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 5797, \text{ or } 7533 \pmod{7812}$ except $n = 217, 1737, 1953, 2233$
21	94	$n \equiv 1, 2961, 4089, 4137, 5265, 5593, 6721, \text{ or } 6769 \pmod{7896}$ except $n = 2961$
21	95	$n \equiv 1, 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801,$ $4845, 4921, 5985, 6385, 6441, 7525, \text{ or } 7581 \pmod{7980}$ except $n = 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801$
21	96	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
21	97	$n \equiv 1, 777, 1261, 2037, 3493, 4753, 5433, \text{ or } 6693 \pmod{8148}$ except $n = 777, 1261, 2037, 3493$
21	98	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{8232}$ except $n = 2401, 2745$
21	99	$n \equiv 1, 1485, 3025, 3213, 4753, 6237, 6777, \text{ or } 7777 \pmod{8316}$ except $n = 1485, 3025, 3213$
21	100	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$

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Table 20: Superspectra for  $p = 21$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	101	$n \equiv 1, 505, 1617, 2121, 2829, 3333, 7273, \text{ or } 7777 \pmod{8484}$ except $n = 505, 1617, 2121, 2829, 3333$
21	102	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
21	103	$n \equiv 1, 309, 721, 3193, 3297, 5769, 6181, \text{ or } 6489 \pmod{8652}$ except $n = 309, 721, 3193, 3297$
21	104	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
21	105	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2745, \text{ or } 8281 \pmod{8820}$ except $n = 441, 981, 1225, 1765, 2205, 2745$
21	106	$n \equiv 1, 1113, 2121, 4081, 4929, 5089, 5937, \text{ or } 7897 \pmod{8904}$ except $n = 1113, 2121, 4081$
21	107	$n \equiv 1, 1177, 2569, 2997, 3745, 4173, 5565, \text{ or } 6741 \pmod{8988}$ except $n = 1177, 2569, 2997, 3745, 4173$
21	108	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
21	109	$n \equiv 1, 981, 1309, 2289, 4033, 5341, 6105, \text{ or } 7413 \pmod{9156}$ except $n = 981, 1309, 2289, 4033$
21	110	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
21	111	$n \equiv 1, 2961, 2997, 3997, 4033, 6993, 8029, \text{ or } 8289 \pmod{9324}$ except $n = 2961, 2997, 3997, 4033$
21	112	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
21	113	$n \equiv 1, 2373, 3165, 3277, 5425, 6441, 8589, \text{ or } 8701 \pmod{9492}$ except $n = 2373, 3165, 3277$
21	114	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 8569 \pmod{9576}$ except $n = 1729, 2737, 3249, 4257$

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Table 20: Superspectra for  $p = 21$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
21	115	$n \equiv 1, 645, 805, 2185, 2485, 3381, 3865, 4761, 5061,$ $6441, 6601, 7245, 7981, 8281, 8625, \text{ or } 8925 \pmod{9660}$ except $n = 645, 805, 2185, 2485, 3381, 3865, 4761$
21	116	$n \equiv 1, 609, 1393, 3249, 4641, 5713, 7105, \text{ or } 8961 \pmod{9744}$ except $n = 609, 1393, 3249, 4641$
21	117	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 7021, \text{ or } 7749 \pmod{9828}$ except $n = 729, 1729, 2457, 4537$
21	118	$n \equiv 1, 945, 2065, 4249, 4425, 6609, 7729, \text{ or } 8673 \pmod{9912}$ except $n = 945, 2065, 4249, 4425$
21	119	$n \equiv 1, 1225, 2941, 3333, 4165, 4557, 6273, \text{ or } 7497 \pmod{9996}$ except $n = 1225, 2941, 3333, 4165, 4557$
21	120	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
21	121	$n \equiv 1, 2541, 2905, 3025, 5929, 6777, 9681, \text{ or } 9801 \pmod{10164}$ except $n = 2541, 2905, 3025$
21	122	$n \equiv 1, 1281, 1953, 2745, 3417, 8113, 8785, \text{ or } 9577 \pmod{10248}$ except $n = 1281, 1953, 2745, 3417$
21	123	$n \equiv 1, 1477, 6273, 7749, 8037, 8569, 9513, \text{ or } 10045 \pmod{10332}$ except $n = 1477$
21	124	$n \equiv 1, 1953, 3969, 4929, 5425, 6945, 7441, \text{ or } 8401 \pmod{10416}$ except $n = 1953, 3969, 4929$
21	125	$n \equiv 1, 2625, 3501, 4501, 5125, 8001, 8625, \text{ or } 9625 \pmod{10500}$ except $n = 2625, 3501, 4501, 5125$
21	126	$n \equiv 1, 3969, 4753, \text{ or } 9801 \pmod{10584}$ except $n = 3969, 4753$
21	127	$n \equiv 1, 889, 1905, 2541, 5461, 6097, 7113, \text{ or } 8001 \pmod{10668}$ except $n = 889, 1905, 2541$
21	128	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$



Table 21: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 22$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
22	2	$n \equiv 1$ or $33 \pmod{176}$ except $n = 33$
22	3	$n \equiv 1, 33, 121, \text{ or } 177 \pmod{264}$ except $n = 33, 121$
22	4	$n \equiv 1$ or $33 \pmod{352}$ except $n = 33$
22	5	$n \equiv 1, 121, 265, \text{ or } 385 \pmod{440}$ except $n = 121$
22	6	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
22	7	$n \equiv 1, 385, 441, \text{ or } 561 \pmod{616}$
22	8	$n \equiv 1$ or $385 \pmod{704}$
22	9	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
22	10	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
22	11	$n \equiv 1$ or $121 \pmod{968}$ except $n = 121$
22	12	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
22	13	$n \equiv 1, 209, 793, \text{ or } 1001 \pmod{1144}$ except $n = 209$
22	14	$n \equiv 1, 385, 561, \text{ or } 1057 \pmod{1232}$ except $n = 385, 561$
22	15	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
22	16	$n \equiv 1$ or $385 \pmod{1408}$ except $n = 385$
22	17	$n \equiv 1, 561, 969, \text{ or } 1089 \pmod{1496}$ except $n = 561$
22	18	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
22	19	$n \equiv 1, 209, 913, \text{ or } 969 \pmod{1672}$ except $n = 209$
22	20	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
22	21	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
22	22	$n \equiv 1$ or $1089 \pmod{1936}$
22	23	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{2024}$ except $n = 529, 737$
22	24	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$

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Table 21: Superspectra for  $p = 22$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
22	25	$n \equiv 1, 825, 1001, \text{ or } 2025 \pmod{2200}$ except $n = 825, 1001$
22	26	$n \equiv 1, 209, 1937, \text{ or } 2145 \pmod{2288}$ except $n = 209$
22	27	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
22	28	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
22	29	$n \equiv 1, 2233, 2321, \text{ or } 2465 \pmod{2552}$
22	30	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
22	31	$n \equiv 1, 1705, 2201, \text{ or } 2233 \pmod{2728}$
22	32	$n \equiv 1 \text{ or } 1793 \pmod{2816}$
22	33	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{2904}$ except $n = 121, 969, 1089$
22	34	$n \equiv 1, 561, 1089, \text{ or } 2465 \pmod{2992}$ except $n = 561, 1089$
22	35	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
22	36	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
22	37	$n \equiv 1, 297, 2553, \text{ or } 2849 \pmod{3256}$ except $n = 297$
22	38	$n \equiv 1, 209, 913, \text{ or } 2641 \pmod{3344}$ except $n = 209, 913$
22	39	$n \equiv 1, 793, 1353, 2145, 2289, 2497, 3081, \text{ or } 3289 \pmod{3432}$ except $n = 793, 1353$
22	40	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
22	41	$n \equiv 1, 1353, 1969, \text{ or } 2993 \pmod{3608}$ except $n = 1353$
22	42	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
22	43	$n \equiv 1, 473, 1849, \text{ or } 2409 \pmod{3784}$ except $n = 473, 1849$
22	44	$n \equiv 1 \text{ or } 1089 \pmod{3872}$ except $n = 1089$
22	45	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
22	46	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{4048}$ except $n = 529, 737, 1265$

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Table 21: Superspectra for  $p = 22$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
22	47	$n \equiv 1, 705, 1881, \text{ or } 2585 \pmod{4136}$ except $n = 705, 1881$
22	48	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
22	49	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{4312}$ except $n = 441, 1177, 1617$
22	50	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
22	51	$n \equiv 1, 561, 969, 1089, 1497, 3553, 3961, \text{ or } 4081 \pmod{4488}$ except $n = 561, 969, 1089, 1497$
22	52	$n \equiv 1, 2145, 2497, \text{ or } 4225 \pmod{4576}$ except $n = 2145$
22	53	$n \equiv 1, 265, 3817, \text{ or } 4081 \pmod{4664}$ except $n = 265$
22	54	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
22	55	$n \equiv 1, 121, 2905, \text{ or } 3025 \pmod{4840}$ except $n = 121$
22	56	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
22	57	$n \equiv 1, 913, 969, 1881, 2641, 3345, 3553, \text{ or } 4257 \pmod{5016}$ except $n = 913, 969, 1881$
22	58	$n \equiv 1, 2321, 2465, \text{ or } 4785 \pmod{5104}$ except $n = 2321, 2465$
22	59	$n \equiv 1, 177, 473, \text{ or } 649 \pmod{5192}$ except $n = 177, 473, 649$
22	60	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
22	61	$n \equiv 1, 793, 3905, \text{ or } 4697 \pmod{5368}$ except $n = 793$
22	62	$n \equiv 1, 4433, 4929, \text{ or } 4961 \pmod{5456}$
22	63	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
22	64	$n \equiv 1 \text{ or } 4609 \pmod{5632}$
22	65	$n \equiv 1, 1001, 1145, 2145, 3081, 3641, 4225, \text{ or } 4785 \pmod{5720}$ except $n = 1001, 1145, 2145$
22	66	$n \equiv 1, 1089, 3025, \text{ or } 3873 \pmod{5808}$ except $n = 1089$
22	67	$n \equiv 1, 737, 2145, \text{ or } 4489 \pmod{5896}$ except $n = 737, 2145$
22	68	$n \equiv 1, 1089, 2465, \text{ or } 3553 \pmod{5984}$ except $n = 1089, 2465$

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Table 21: Superspectra for  $p = 22$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
22	69	$n \equiv 1, 529, 2025, 2553, 2761, 3289, 4785, \text{ or } 5313 \pmod{6072}$ except $n = 529, 2025, 2553, 2761$
22	70	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
22	71	$n \equiv 1, 1705, 2201, \text{ or } 3905 \pmod{6248}$ except $n = 1705, 2201$
22	72	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
22	73	$n \equiv 1, 2409, 2993, \text{ or } 5841 \pmod{6424}$ except $n = 2409, 2993$
22	74	$n \equiv 1, 2849, 3553, \text{ or } 5809 \pmod{6512}$ except $n = 2849$
22	75	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
22	76	$n \equiv 1, 3553, 4257, \text{ or } 5985 \pmod{6688}$
22	77	$n \equiv 1, 2905, 3025, \text{ or } 5929 \pmod{6776}$ except $n = 2905, 3025$
22	78	$n \equiv 1, 2145, 2289, 2497, 4225, 4785, 6513, \text{ or } 6721 \pmod{6864}$ except $n = 2145, 2289, 2497$
22	79	$n \equiv 1, 1265, 3081, \text{ or } 4345 \pmod{6952}$ except $n = 1265, 3081$
22	80	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
22	81	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{7128}$ except $n = 649, 2025, 2673$
22	82	$n \equiv 1, 1969, 2993, \text{ or } 4961 \pmod{7216}$ except $n = 1969, 2993$
22	83	$n \equiv 1, 913, 2905, \text{ or } 5313 \pmod{7304}$ except $n = 913, 2905$
22	84	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
22	85	$n \equiv 1, 561, 2465, 2585, 3961, 4081, 5985, \text{ or } 6545 \pmod{7480}$ except $n = 561, 2465, 2585$
22	86	$n \equiv 1, 4257, 5633, \text{ or } 6193 \pmod{7568}$
22	87	$n \equiv 1, 2233, 2553, 4785, 4873, 5017, 7425, \text{ or } 7569 \pmod{7656}$ except $n = 2233, 2553$
22	88	$n \equiv 1 \text{ or } 1089 \pmod{7744}$ except $n = 1089$

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Table 21: Superspectra for  $p = 22$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
22	89	$n \equiv 1, 89, 2849, \text{ or } 2937 \pmod{7832}$ except $n = 89, 2849, 2937$
22	90	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
22	91	$n \equiv 1, 1001, 2289, 3081, 3641, 5369, 5929, \text{ or } 6721 \pmod{8008}$ except $n = 1001, 2289, 3081, 3641$
22	92	$n \equiv 1, 737, 4577, \text{ or } 5313 \pmod{8096}$ except $n = 737$
22	93	$n \equiv 1, 1705, 2233, 4929, 5457, 7161, 7657, \text{ or } 7689 \pmod{8184}$ except $n = 1705, 2233$
22	94	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{8272}$ except $n = 705$
22	95	$n \equiv 1, 1881, 2585, 2641, 3345, 5225, 5985, \text{ or } 7601 \pmod{8360}$ except $n = 1881, 2585, 2641, 3345$
22	96	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
22	97	$n \equiv 1, 3201, 4753, \text{ or } 6985 \pmod{8536}$ except $n = 3201$
22	98	$n \equiv 1, 1617, 4753, \text{ or } 5489 \pmod{8624}$ except $n = 1617$
22	99	$n \equiv 1, 1089, 3025, \text{ or } 6777 \pmod{8712}$ except $n = 1089, 3025$
22	100	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
22	101	$n \equiv 1, 1617, 6161, \text{ or } 7777 \pmod{8888}$ except $n = 1617$
22	102	$n \equiv 1, 561, 1089, 3553, 4081, 5457, 5985, \text{ or } 8449 \pmod{8976}$ except $n = 561, 1089, 3553, 4081$
22	103	$n \equiv 1, 825, 4841, \text{ or } 5665 \pmod{9064}$ except $n = 825$
22	104	$n \equiv 1, 2497, 4225, \text{ or } 6721 \pmod{9152}$ except $n = 2497, 4225$
22	105	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
22	106	$n \equiv 1, 4081, 4929, \text{ or } 8481 \pmod{9328}$ except $n = 4081$
22	107	$n \equiv 1, 1177, 5137, \text{ or } 5457 \pmod{9416}$ except $n = 1177$
22	108	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$

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Table 21: Superspectra for  $p = 22$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
22	109	$n \equiv 1, 2289, 6105, \text{ or } 8393 \pmod{9592}$ except $n = 2289$
22	110	$n \equiv 1, 3025, 4961, \text{ or } 7745 \pmod{9680}$ except $n = 3025$
22	111	$n \equiv 1, 297, 2553, 3553, 5809, 6105, 6513, \text{ or } 9361 \pmod{9768}$ except $n = 297, 2553, 3553$
22	112	$n \equiv 1, 385, 1793, \text{ or } 8449 \pmod{9856}$ except $n = 385, 1793$
22	113	$n \equiv 1, 3729, 4521, \text{ or } 9153 \pmod{9944}$ except $n = 3729, 4521$
22	114	$n \equiv 1, 913, 2641, 3345, 3553, 4257, 5985, \text{ or } 6897 \pmod{10032}$ except $n = 913, 2641, 3345, 3553, 4257$
22	115	$n \equiv 1, 1265, 2025, 2761, 4785, 6601, 8625, \text{ or } 9361 \pmod{10120}$ except $n = 1265, 2025, 2761, 4785$
22	116	$n \equiv 1, 2465, 7425, \text{ or } 9889 \pmod{10208}$ except $n = 2465$
22	117	$n \equiv 1, 793, 8217, 9009, 9153, 9361, 9945, \text{ or } 10153 \pmod{10296}$ except $n = 793$
22	118	$n \equiv 1, 177, 5665, \text{ or } 5841 \pmod{10384}$ except $n = 177$
22	119	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 8449, \text{ or } 8569 \pmod{10472}$ except $n = 561, 2465, 4081$
22	120	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
22	121	$n \equiv 1 \text{ or } 3993 \pmod{10648}$ except $n = 3993$
22	122	$n \equiv 1, 3905, 6161, \text{ or } 10065 \pmod{10736}$ except $n = 3905$
22	123	$n \equiv 1, 1353, 1969, 3609, 5577, 6601, 8569, \text{ or } 10209 \pmod{10824}$ except $n = 1353, 1969, 3609$
22	124	$n \equiv 1, 4929, 4961, \text{ or } 9889 \pmod{10912}$ except $n = 4929, 4961$
22	125	$n \equiv 1, 1001, 8625, \text{ or } 9625 \pmod{11000}$ except $n = 1001$
22	126	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
22	127	$n \equiv 1, 6985, 8129, \text{ or } 10033 \pmod{11176}$
22	128	$n \equiv 1 \text{ or } 10241 \pmod{11264}$

Table 22: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 23$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
23	2	$n \equiv 1$ or $161 \pmod{184}$
23	3	$n \equiv 1, 69, 93,$ or $253 \pmod{276}$ except $n = 69, 93$
23	4	$n \equiv 1$ or $161 \pmod{368}$ except $n = 161$
23	5	$n \equiv 1, 161, 185,$ or $345 \pmod{460}$ except $n = 161, 185$
23	6	$n \equiv 1, 345, 369,$ or $529 \pmod{552}$
23	7	$n \equiv 1, 161, 253,$ or $553 \pmod{644}$ except $n = 161, 253$
23	8	$n \equiv 1$ or $161 \pmod{736}$ except $n = 161$
23	9	$n \equiv 1, 253, 369,$ or $621 \pmod{828}$ except $n = 253, 369$
23	10	$n \equiv 1, 161, 185,$ or $345 \pmod{920}$ except $n = 161, 185, 345$
23	11	$n \equiv 1, 253, 529,$ or $737 \pmod{1012}$ except $n = 253$
23	12	$n \equiv 1, 369, 529,$ or $897 \pmod{1104}$ except $n = 369, 529$
23	13	$n \equiv 1, 897, 989,$ or $1105 \pmod{1196}$
23	14	$n \equiv 1, 161, 553,$ or $897 \pmod{1288}$ except $n = 161, 553$
23	15	$n \equiv 1, 345, 621, 645, 805, 921, 1081,$ or $1105 \pmod{1380}$ except $n = 345, 621, 645$
23	16	$n \equiv 1$ or $897 \pmod{1472}$
23	17	$n \equiv 1, 69, 1105,$ or $1173 \pmod{1564}$ except $n = 69$
23	18	$n \equiv 1, 369, 1081,$ or $1449 \pmod{1656}$ except $n = 369$
23	19	$n \equiv 1, 437, 989,$ or $1197 \pmod{1748}$ except $n = 437$
23	20	$n \equiv 1, 161, 1105,$ or $1265 \pmod{1840}$ except $n = 161$
23	21	$n \equiv 1, 253, 553, 645, 805, 897, 1197,$ or $1449 \pmod{1932}$ except $n = 253, 553, 645, 805, 897$
23	22	$n \equiv 1, 529, 737,$ or $1265 \pmod{2024}$ except $n = 529, 737$
23	23	$n \equiv 1$ or $529 \pmod{2116}$ except $n = 529$

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Table 22: Superspectra for  $p = 23$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
23	24	$n \equiv 1, 897, 1473, \text{ or } 1633 \pmod{2208}$ except $n = 897$
23	25	$n \equiv 1, 1725, 2001, \text{ or } 2025 \pmod{2300}$
23	26	$n \equiv 1, 897, 1105, \text{ or } 2185 \pmod{2392}$ except $n = 897, 1105$
23	27	$n \equiv 1, 621, 1081, \text{ or } 2025 \pmod{2484}$ except $n = 621, 1081$
23	28	$n \equiv 1, 161, 897, \text{ or } 1841 \pmod{2576}$ except $n = 161, 897$
23	29	$n \equiv 1, 2001, 2117, \text{ or } 2553 \pmod{2668}$
23	30	$n \equiv 1, 345, 921, 1081, 1105, 2001, 2025, \text{ or } 2185 \pmod{2760}$ except $n = 345, 921, 1081, 1105$
23	31	$n \equiv 1, 93, 621, \text{ or } 713 \pmod{2852}$ except $n = 93, 621, 713$
23	32	$n \equiv 1 \text{ or } 897 \pmod{2944}$ except $n = 897$
23	33	$n \equiv 1, 253, 529, 1749, 2025, 2277, 2553, \text{ or } 2761 \pmod{3036}$ except $n = 253, 529$
23	34	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{3128}$ except $n = 1105$
23	35	$n \equiv 1, 161, 645, 805, 1541, 1841, 2185, \text{ or } 2485 \pmod{3220}$ except $n = 161, 645, 805, 1541$
23	36	$n \equiv 1, 369, 2737, \text{ or } 3105 \pmod{3312}$ except $n = 369$
23	37	$n \equiv 1, 185, 2369, \text{ or } 2553 \pmod{3404}$ except $n = 185$
23	38	$n \equiv 1, 2185, 2737, \text{ or } 2945 \pmod{3496}$
23	39	$n \equiv 1, 897, 1105, 1197, 2185, 2301, 3289, \text{ or } 3381 \pmod{3588}$ except $n = 897, 1105, 1197$
23	40	$n \equiv 1, 161, 2945, \text{ or } 3105 \pmod{3680}$ except $n = 161$
23	41	$n \equiv 1, 369, 2461, \text{ or } 2829 \pmod{3772}$ except $n = 369$
23	42	$n \equiv 1, 553, 897, 1449, 2185, 2577, 2737, \text{ or } 3129 \pmod{3864}$ except $n = 553, 897, 1449$
23	43	$n \equiv 1, 345, 645, \text{ or } 989 \pmod{3956}$ except $n = 345, 645, 989$
23	44	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{4048}$ except $n = 529, 737, 1265$

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Table 22: Superspectra for  $p = 23$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
23	45	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 3681 \pmod{4140}$ except $n = 621, 1081, 2025$
23	46	$n \equiv 1 \text{ or } 529 \pmod{4232}$ except $n = 529$
23	47	$n \equiv 1, 1081, 2209, \text{ or } 3197 \pmod{4324}$ except $n = 1081$
23	48	$n \equiv 1, 897, 1473, \text{ or } 3841 \pmod{4416}$ except $n = 897, 1473$
23	49	$n \equiv 1, 3381, 3773, \text{ or } 4117 \pmod{4508}$
23	50	$n \equiv 1, 2001, 2025, \text{ or } 4025 \pmod{4600}$ except $n = 2001, 2025$
23	51	$n \equiv 1, 69, 1105, 1173, 1633, 2737, 3129, \text{ or } 4233 \pmod{4692}$ except $n = 69, 1105, 1173, 1633$
23	52	$n \equiv 1, 897, 1105, \text{ or } 4577 \pmod{4784}$ except $n = 897, 1105$
23	53	$n \equiv 1, 1749, 1909, \text{ or } 3657 \pmod{4876}$ except $n = 1749, 1909$
23	54	$n \equiv 1, 1081, 2025, \text{ or } 3105 \pmod{4968}$ except $n = 1081, 2025$
23	55	$n \equiv 1, 1265, 1541, 2025, 2761, 3565, 4301, \text{ or } 4785 \pmod{5060}$ except $n = 1265, 1541, 2025$
23	56	$n \equiv 1, 161, 897, \text{ or } 4417 \pmod{5152}$ except $n = 161, 897$
23	57	$n \equiv 1, 1197, 1749, 2185, 2737, 3933, 4485, \text{ or } 4693 \pmod{5244}$ except $n = 1197, 1749, 2185$
23	58	$n \equiv 1, 2001, 2553, \text{ or } 4785 \pmod{5336}$ except $n = 2001, 2553$
23	59	$n \equiv 1, 1357, 2301, \text{ or } 4485 \pmod{5428}$ except $n = 1357, 2301$
23	60	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
23	61	$n \equiv 1, 4209, 4393, \text{ or } 5429 \pmod{5612}$
23	62	$n \equiv 1, 713, 2945, \text{ or } 3473 \pmod{5704}$ except $n = 713$
23	63	$n \equiv 1, 253, 1197, 1449, 2485, 2737, 4509, \text{ or } 4761 \pmod{5796}$ except $n = 253, 1197, 1449, 2485, 2737$
23	64	$n \equiv 1 \text{ or } 3841 \pmod{5888}$

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Table 22: Superspectra for  $p = 23$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
23	65	$n \equiv 1, 1105, 2185, 2301, 3381, 4485, 4785, \text{ or } 5681 \pmod{5980}$ except $n = 1105, 2185, 2301$
23	66	$n \equiv 1, 529, 2025, 2553, 2761, 3289, 4785, \text{ or } 5313 \pmod{6072}$ except $n = 529, 2025, 2553, 2761$
23	67	$n \equiv 1, 737, 805, \text{ or } 1541 \pmod{6164}$ except $n = 737, 805, 1541$
23	68	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{6256}$ except $n = 1105, 1633, 2737$
23	69	$n \equiv 1, 529, 4233, \text{ or } 4761 \pmod{6348}$ except $n = 529$
23	70	$n \equiv 1, 161, 1841, 2185, 3865, 4025, 4761, \text{ or } 5705 \pmod{6440}$ except $n = 161, 1841, 2185$
23	71	$n \equiv 1, 1633, 2485, \text{ or } 5681 \pmod{6532}$ except $n = 1633, 2485$
23	72	$n \equiv 1, 3105, 3681, \text{ or } 6049 \pmod{6624}$ except $n = 3105$
23	73	$n \equiv 1, 2117, 2921, \text{ or } 5037 \pmod{6716}$ except $n = 2117, 2921$
23	74	$n \equiv 1, 185, 2369, \text{ or } 2553 \pmod{6808}$ except $n = 185, 2369, 2553$
23	75	$n \equiv 1, 1725, 2001, 2025, 2301, 6325, 6601, \text{ or } 6625 \pmod{6900}$ except $n = 1725, 2001, 2025, 2301$
23	76	$n \equiv 1, 2737, 2945, \text{ or } 5681 \pmod{6992}$ except $n = 2737, 2945$
23	77	$n \equiv 1, 253, 1541, 3773, 5061, 5313, 5797, \text{ or } 6601 \pmod{7084}$ except $n = 253, 1541$
23	78	$n \equiv 1, 897, 1105, 2185, 3289, 4785, 5889, \text{ or } 6969 \pmod{7176}$ except $n = 897, 1105, 2185, 3289$
23	79	$n \equiv 1, 553, 1265, \text{ or } 1817 \pmod{7268}$ except $n = 553, 1265, 1817$
23	80	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{7360}$ except $n = 2945$
23	81	$n \equiv 1, 2025, 3565, \text{ or } 5589 \pmod{7452}$ except $n = 2025, 3565$
23	82	$n \equiv 1, 369, 6233, \text{ or } 6601 \pmod{7544}$ except $n = 369$
23	83	$n \equiv 1, 1909, 4233, \text{ or } 5313 \pmod{7636}$ except $n = 1909$
23	84	$n \equiv 1, 897, 2577, 2737, 4417, 5313, 6049, \text{ or } 6993 \pmod{7728}$ except $n = 897, 2577, 2737$

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Table 22: Superspectra for  $p = 23$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
23	85	$n \equiv 1, 1105, 1565, 4301, 4761, 5865, 6325, \text{ or } 7361 \pmod{7820}$ except $n = 1105, 1565$
23	86	$n \equiv 1, 345, 4601, \text{ or } 4945 \pmod{7912}$ except $n = 345$
23	87	$n \equiv 1, 2001, 2553, 4669, 4785, 5221, 5337, \text{ or } 7453 \pmod{8004}$ except $n = 2001, 2553$
23	88	$n \equiv 1, 737, 4577, \text{ or } 5313 \pmod{8096}$ except $n = 737$
23	89	$n \equiv 1, 713, 5429, \text{ or } 6141 \pmod{8188}$ except $n = 713$
23	90	$n \equiv 1, 1081, 2025, 3105, 3681, 4761, 6625, \text{ or } 7705 \pmod{8280}$ except $n = 1081, 2025, 3105, 3681$
23	91	$n \equiv 1, 897, 1197, 2093, 2185, 3381, 7085, \text{ or } 8281 \pmod{8372}$ except $n = 897, 1197, 2093, 2185, 3381$
23	92	$n \equiv 1 \text{ or } 529 \pmod{8464}$ except $n = 529$
23	93	$n \equiv 1, 93, 621, 2853, 3565, 5797, 6325, \text{ or } 6417 \pmod{8556}$ except $n = 93, 621, 2853, 3565$
23	94	$n \equiv 1, 1081, 2209, \text{ or } 7521 \pmod{8648}$ except $n = 1081, 2209$
23	95	$n \equiv 1, 2185, 2945, 4485, 5245, 5681, 6441, \text{ or } 7981 \pmod{8740}$ except $n = 2185, 2945$
23	96	$n \equiv 1, 897, 3841, \text{ or } 5889 \pmod{8832}$ except $n = 897, 3841$
23	97	$n \equiv 1, 3105, 3589, \text{ or } 6693 \pmod{8924}$ except $n = 3105, 3589$
23	98	$n \equiv 1, 7889, 8281, \text{ or } 8625 \pmod{9016}$
23	99	$n \equiv 1, 253, 2025, 2277, 3565, 5589, 5797, \text{ or } 7821 \pmod{9108}$ except $n = 253, 2025, 2277, 3565$
23	100	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{9200}$ except $n = 2001$
23	101	$n \equiv 1, 2829, 4141, \text{ or } 6969 \pmod{9292}$ except $n = 2829, 4141$
23	102	$n \equiv 1, 1105, 1633, 2737, 3129, 4233, 4761, \text{ or } 5865 \pmod{9384}$ except $n = 1105, 1633, 2737, 3129, 4233$
23	103	$n \equiv 1, 2369, 4945, \text{ or } 6901 \pmod{9476}$ except $n = 2369$
23	104	$n \equiv 1, 897, 4577, \text{ or } 5889 \pmod{9568}$ except $n = 897, 4577$

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Table 22: Superspectra for  $p = 23$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
23	105	$n \equiv 1, 645, 805, 2185, 2485, 3381, 3865, 4761, 5061,$ $6441, 6601, 7245, 7981, 8281, 8625, \text{ or } 8925 \pmod{9660}$ except $n = 645, 805, 2185, 2485, 3381, 3865, 4761$
23	106	$n \equiv 1, 3657, 6625, \text{ or } 6785 \pmod{9752}$ except $n = 3657$
23	107	$n \equiv 1, 2461, 4601, \text{ or } 7705 \pmod{9844}$ except $n = 2461, 4601$
23	108	$n \equiv 1, 3105, 6049, \text{ or } 6993 \pmod{9936}$ except $n = 3105$
23	109	$n \equiv 1, 437, 7085, \text{ or } 7521 \pmod{10028}$ except $n = 437$
23	110	$n \equiv 1, 1265, 2025, 2761, 4785, 6601, 8625, \text{ or } 9361 \pmod{10120}$ except $n = 1265, 2025, 2761, 4785$
23	111	$n \equiv 1, 2553, 3405, 3589, 5773, 6993, 9177, \text{ or } 9361 \pmod{10212}$ except $n = 2553, 3405, 3589$
23	112	$n \equiv 1, 897, 4417, \text{ or } 5313 \pmod{10304}$ except $n = 897, 4417$
23	113	$n \equiv 1, 1357, 6441, \text{ or } 7797 \pmod{10396}$ except $n = 1357$
23	114	$n \equiv 1, 2185, 2737, 6441, 6993, 9177, 9729, \text{ or } 9937 \pmod{10488}$ except $n = 2185, 2737$
23	115	$n \equiv 1, 2645, 4761, \text{ or } 8465 \pmod{10580}$ except $n = 2645, 4761$
23	116	$n \equiv 1, 2001, 4785, \text{ or } 7889 \pmod{10672}$ except $n = 2001, 4785$
23	117	$n \equiv 1, 1197, 6877, 8073, 8281, 9361, 9477, \text{ or } 10557 \pmod{10764}$ except $n = 1197$
23	118	$n \equiv 1, 6785, 7729, \text{ or } 9913 \pmod{10856}$
23	119	$n \equiv 1, 2737, 3129, 4761, 5797, 7889, 8925, \text{ or } 10557 \pmod{10948}$ except $n = 2737, 3129, 4761$
23	120	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
23	121	$n \equiv 1, 8349, 8833, \text{ or } 10649 \pmod{11132}$
23	122	$n \equiv 1, 4209, 4393, \text{ or } 11041 \pmod{11224}$ except $n = 4209, 4393$
23	123	$n \equiv 1, 369, 2461, 2829, 4141, 6601, 7545, \text{ or } 10005 \pmod{11316}$ except $n = 369, 2461, 2829, 4141$

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Table 22: Superspectra for  $p = 23$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
23	124	$n \equiv 1, 2945, 3473, \text{ or } 6417 \pmod{11408}$ except $n = 2945, 3473$
23	125	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{11500}$ except $n = 2001$
23	126	$n \equiv 1, 1449, 2737, 4761, 6049, 6993, 8281, \text{ or } 10305 \pmod{11592}$ except $n = 1449, 2737, 4761$
23	127	$n \equiv 1, 2921, 5589, \text{ or } 9017 \pmod{11684}$ except $n = 2921, 5589$
23	128	$n \equiv 1 \text{ or } 9729 \pmod{11776}$

Table 23: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 24$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
24	2	$n \equiv 1 \text{ or } 129 \pmod{192}$
24	3	$n \equiv 1 \text{ or } 225 \pmod{288}$
24	4	$n \equiv 1 \text{ or } 129 \pmod{384}$ except $n = 129$
24	5	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
24	6	$n \equiv 1 \text{ or } 513 \pmod{576}$
24	7	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
24	8	$n \equiv 1 \text{ or } 513 \pmod{768}$
24	9	$n \equiv 1 \text{ or } 513 \pmod{864}$
24	10	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
24	11	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
24	12	$n \equiv 1 \text{ or } 513 \pmod{1152}$ except $n = 513$
24	13	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
24	14	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
24	15	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
24	16	$n \equiv 1 \text{ or } 513 \pmod{1536}$ except $n = 513$

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Table 23: Superspectra for  $p = 24$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
24	17	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
24	18	$n \equiv 1 \text{ or } 513 \pmod{1728}$ except $n = 513$
24	19	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
24	20	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
24	21	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
24	22	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
24	23	$n \equiv 1, 897, 1473, \text{ or } 1633 \pmod{2208}$ except $n = 897$
24	24	$n \equiv 1 \text{ or } 513 \pmod{2304}$ except $n = 513$
24	25	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
24	26	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
24	27	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
24	28	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
24	29	$n \equiv 1, 609, 1537, \text{ or } 1857 \pmod{2784}$ except $n = 609$
24	30	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
24	31	$n \equiv 1, 961, 993, \text{ or } 1953 \pmod{2976}$ except $n = 961, 993$
24	32	$n \equiv 1 \text{ or } 2049 \pmod{3072}$
24	33	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
24	34	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
24	35	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
24	36	$n \equiv 1 \text{ or } 513 \pmod{3456}$ except $n = 513$
24	37	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{3552}$ except $n = 481, 1185, 1665$
24	38	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
24	39	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
24	40	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
24	41	$n \equiv 1, 2337, 2625, \text{ or } 3649 \pmod{3936}$

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Table 23: Superspectra for  $p = 24$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
24	42	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
24	43	$n \equiv 1, 129, 1377, \text{ or } 2881 \pmod{4128}$ except $n = 129, 1377$
24	44	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
24	45	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
24	46	$n \equiv 1, 897, 1473, \text{ or } 3841 \pmod{4416}$ except $n = 897, 1473$
24	47	$n \equiv 1, 705, 2209, \text{ or } 3009 \pmod{4512}$ except $n = 705, 2209$
24	48	$n \equiv 1 \text{ or } 513 \pmod{4608}$ except $n = 513$
24	49	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
24	50	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
24	51	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
24	52	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
24	53	$n \equiv 1, 1537, 3393, \text{ or } 4929 \pmod{5088}$ except $n = 1537$
24	54	$n \equiv 1 \text{ or } 3969 \pmod{5184}$
24	55	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
24	56	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
24	57	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
24	58	$n \equiv 1, 1537, 1857, \text{ or } 3393 \pmod{5568}$ except $n = 1537, 1857$
24	59	$n \equiv 1, 3009, 3777, \text{ or } 4897 \pmod{5664}$
24	60	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
24	61	$n \equiv 1, 1281, 1953, \text{ or } 5185 \pmod{5856}$ except $n = 1281, 1953$
24	62	$n \equiv 1, 961, 3969, \text{ or } 4929 \pmod{5952}$ except $n = 961$
24	63	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
24	64	$n \equiv 1 \text{ or } 2049 \pmod{6144}$ except $n = 2049$
24	65	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$

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Table 23: Superspectra for  $p = 24$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
24	66	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
24	67	$n \equiv 1, 2145, 2881, \text{ or } 5025 \pmod{6432}$ except $n = 2145, 2881$
24	68	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$
24	69	$n \equiv 1, 3105, 3681, \text{ or } 6049 \pmod{6624}$ except $n = 3105$
24	70	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
24	71	$n \equiv 1, 1633, 4545, \text{ or } 6177 \pmod{6816}$ except $n = 1633$
24	72	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
24	73	$n \equiv 1, 1825, 2337, \text{ or } 4161 \pmod{7008}$ except $n = 1825, 2337$
24	74	$n \equiv 1, 1665, 4033, \text{ or } 4737 \pmod{7104}$ except $n = 1665$
24	75	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
24	76	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
24	77	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
24	78	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
24	79	$n \equiv 1, 1185, 2529, \text{ or } 6241 \pmod{7584}$ except $n = 1185, 2529$
24	80	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
24	81	$n \equiv 1 \text{ or } 6561 \pmod{7776}$
24	82	$n \equiv 1, 2625, 3649, \text{ or } 6273 \pmod{7872}$ except $n = 2625, 3649$
24	83	$n \equiv 1, 2241, 4897, \text{ or } 5313 \pmod{7968}$ except $n = 2241$
24	84	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
24	85	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
24	86	$n \equiv 1, 129, 2881, \text{ or } 5505 \pmod{8256}$ except $n = 129, 2881$
24	87	$n \equiv 1, 3393, 4321, \text{ or } 7425 \pmod{8352}$ except $n = 3393$
24	88	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$

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Table 23: Superspectra for  $p = 24$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
24	89	$n \equiv 1, 801, 3649, \text{ or } 5697 \pmod{8544}$ except $n = 801, 3649$
24	90	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
24	91	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
24	92	$n \equiv 1, 897, 3841, \text{ or } 5889 \pmod{8832}$ except $n = 897, 3841$
24	93	$n \equiv 1, 1953, 3969, \text{ or } 6913 \pmod{8928}$ except $n = 1953, 3969$
24	94	$n \equiv 1, 705, 3009, \text{ or } 6721 \pmod{9024}$ except $n = 705, 3009$
24	95	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
24	96	$n \equiv 1 \text{ or } 5121 \pmod{9216}$
24	97	$n \equiv 1, 97, 3105, \text{ or } 3201 \pmod{9312}$ except $n = 97, 3105, 3201$
24	98	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
24	99	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
24	100	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
24	101	$n \equiv 1, 4545, 6465, \text{ or } 7777 \pmod{9696}$ except $n = 4545$
24	102	$n \equiv 1, 1089, 5185, \text{ or } 6273 \pmod{9792}$ except $n = 1089$
24	103	$n \equiv 1, 3297, 5665, \text{ or } 8961 \pmod{9888}$ except $n = 3297$
24	104	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
24	105	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
24	106	$n \equiv 1, 1537, 3393, \text{ or } 4929 \pmod{10176}$ except $n = 1537, 3393, 4929$
24	107	$n \equiv 1, 321, 3745, \text{ or } 6849 \pmod{10272}$ except $n = 321, 3745$
24	108	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
24	109	$n \equiv 1, 3489, 4033, \text{ or } 7521 \pmod{10464}$ except $n = 3489, 4033$
24	110	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
24	111	$n \equiv 1, 1665, 4033, \text{ or } 8289 \pmod{10656}$ except $n = 1665, 4033$

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Table 23: Superspectra for  $p = 24$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
24	112	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$
24	113	$n \equiv 1, 1921, 7233, \text{ or } 9153 \pmod{10848}$ except $n = 1921$
24	114	$n \equiv 1, 513, 1729, \text{ or } 9729 \pmod{10944}$ except $n = 513, 1729$
24	115	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
24	116	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{11136}$ except $n = 1537$
24	117	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
24	118	$n \equiv 1, 3009, 3777, \text{ or } 10561 \pmod{11328}$ except $n = 3009, 3777$
24	119	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
24	120	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
24	121	$n \equiv 1, 1089, 3873, \text{ or } 8833 \pmod{11616}$ except $n = 1089, 3873$
24	122	$n \equiv 1, 1281, 5185, \text{ or } 7809 \pmod{11712}$ except $n = 1281, 5185$
24	123	$n \equiv 1, 6273, 6561, \text{ or } 11521 \pmod{11808}$
24	124	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{11904}$ except $n = 3969$
24	125	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
24	126	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
24	127	$n \equiv 1, 3937, 4065, \text{ or } 8001 \pmod{12192}$ except $n = 3937, 4065$
24	128	$n \equiv 1 \text{ or } 8193 \pmod{12288}$

Table 24: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 25$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
25	2	$n \equiv 1 \text{ or } 25 \pmod{200}$ except $n = 25$
25	3	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{300}$ except $n = 25$

*continued on next page*

Table 24: Superspectra for  $p = 25$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
25	4	$n \equiv 1$ or $225 \pmod{400}$
25	5	$n \equiv 1$ or $125 \pmod{500}$ except $n = 125$
25	6	$n \equiv 1, 25, 201,$ or $225 \pmod{600}$ except $n = 25, 201, 225$
25	7	$n \equiv 1, 225, 301,$ or $525 \pmod{700}$ except $n = 225, 301$
25	8	$n \equiv 1$ or $225 \pmod{800}$ except $n = 225$
25	9	$n \equiv 1, 225, 325,$ or $801 \pmod{900}$ except $n = 225, 325$
25	10	$n \equiv 1$ or $625 \pmod{1000}$
25	11	$n \equiv 1, 825, 925,$ or $1001 \pmod{1100}$
25	12	$n \equiv 1, 225, 625,$ or $801 \pmod{1200}$ except $n = 225$
25	13	$n \equiv 1, 325, 625,$ or $1001 \pmod{1300}$ except $n = 325, 625$
25	14	$n \equiv 1, 225, 1001,$ or $1225 \pmod{1400}$ except $n = 225$
25	15	$n \equiv 1, 501, 625,$ or $1125 \pmod{1500}$ except $n = 501, 625$
25	16	$n \equiv 1$ or $1025 \pmod{1600}$
25	17	$n \equiv 1, 425, 901,$ or $1225 \pmod{1700}$ except $n = 425$
25	18	$n \equiv 1, 225, 801,$ or $1225 \pmod{1800}$ except $n = 225, 801$
25	19	$n \equiv 1, 1425, 1501,$ or $1825 \pmod{1900}$
25	20	$n \equiv 1$ or $625 \pmod{2000}$ except $n = 625$
25	21	$n \equiv 1, 225, 301, 525, 925, 1225, 1401,$ or $1701 \pmod{2100}$ except $n = 225, 301, 525, 925$
25	22	$n \equiv 1, 825, 1001,$ or $2025 \pmod{2200}$ except $n = 825, 1001$
25	23	$n \equiv 1, 1725, 2001,$ or $2025 \pmod{2300}$
25	24	$n \equiv 1, 225, 801,$ or $1825 \pmod{2400}$ except $n = 225, 801$
25	25	$n \equiv 1$ or $625 \pmod{2500}$ except $n = 625$
25	26	$n \equiv 1, 625, 1001,$ or $1625 \pmod{2600}$ except $n = 625, 1001$
25	27	$n \equiv 1, 325, 1701,$ or $2025 \pmod{2700}$ except $n = 325$
25	28	$n \equiv 1, 225, 2401,$ or $2625 \pmod{2800}$ except $n = 225$

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Table 24: Superspectra for  $p = 25$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
25	29	$n \equiv 1, 725, 1625, \text{ or } 2001 \pmod{2900}$ except $n = 725$
25	30	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{3000}$ except $n = 625$
25	31	$n \equiv 1, 125, 2201, \text{ or } 2325 \pmod{3100}$ except $n = 125$
25	32	$n \equiv 1 \text{ or } 1025 \pmod{3200}$ except $n = 1025$
25	33	$n \equiv 1, 825, 925, 1101, 2025, 2101, 3025, \text{ or } 3201 \pmod{3300}$ except $n = 825, 925, 1101$
25	34	$n \equiv 1, 425, 1225, \text{ or } 2601 \pmod{3400}$ except $n = 425, 1225$
25	35	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{3500}$ except $n = 1001, 1625$
25	36	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
25	37	$n \equiv 1, 925, 1925, \text{ or } 2701 \pmod{3700}$ except $n = 925$
25	38	$n \equiv 1, 1425, 1825, \text{ or } 3401 \pmod{3800}$ except $n = 1425, 1825$
25	39	$n \equiv 1, 325, 625, 2301, 2601, 2925, 3225, \text{ or } 3601 \pmod{3900}$ except $n = 325, 625$
25	40	$n \equiv 1 \text{ or } 2625 \pmod{4000}$
25	41	$n \equiv 1, 1025, 2501, \text{ or } 2625 \pmod{4100}$ except $n = 1025$
25	42	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
25	43	$n \equiv 1, 301, 2925, \text{ or } 3225 \pmod{4300}$ except $n = 301$
25	44	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
25	45	$n \equiv 1, 1125, 2125, \text{ or } 3501 \pmod{4500}$ except $n = 1125, 2125$
25	46	$n \equiv 1, 2001, 2025, \text{ or } 4025 \pmod{4600}$ except $n = 2001, 2025$
25	47	$n \equiv 1, 3525, 3901, \text{ or } 4325 \pmod{4700}$
25	48	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
25	49	$n \equiv 1, 1225, 2401, \text{ or } 3725 \pmod{4900}$ except $n = 1225, 2401$
25	50	$n \equiv 1 \text{ or } 625 \pmod{5000}$ except $n = 625$
25	51	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{5100}$ except $n = 901, 1225, 1701, 2125$

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Table 24: Superspectra for  $p = 25$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
25	52	$n \equiv 1, 625, 3601, \text{ or } 4225 \pmod{5200}$ except $n = 625$
25	53	$n \equiv 1, 425, 901, \text{ or } 1325 \pmod{5300}$ except $n = 425, 901, 1325$
25	54	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
25	55	$n \equiv 1, 1001, 3125, \text{ or } 4125 \pmod{5500}$ except $n = 1001$
25	56	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$
25	57	$n \equiv 1, 1425, 1501, 1825, 3325, 3801, 5301, \text{ or } 5625 \pmod{5700}$ except $n = 1425, 1501, 1825$
25	58	$n \equiv 1, 1625, 2001, \text{ or } 3625 \pmod{5800}$ except $n = 1625, 2001$
25	59	$n \equiv 1, 2125, 2301, \text{ or } 4425 \pmod{5900}$ except $n = 2125, 2301$
25	60	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
25	61	$n \equiv 1, 1525, 2501, \text{ or } 5125 \pmod{6100}$ except $n = 1525, 2501$
25	62	$n \equiv 1, 2201, 3225, \text{ or } 5425 \pmod{6200}$ except $n = 2201$
25	63	$n \equiv 1, 225, 1225, 1701, 3025, 3501, 4501, \text{ or } 4725 \pmod{6300}$ except $n = 225, 1225, 1701, 3025$
25	64	$n \equiv 1 \text{ or } 1025 \pmod{6400}$ except $n = 1025$
25	65	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{6500}$ except $n = 625, 1001, 1625$
25	66	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
25	67	$n \equiv 1, 201, 4825, \text{ or } 5025 \pmod{6700}$ except $n = 201$
25	68	$n \equiv 1, 3825, 4625, \text{ or } 6001 \pmod{6800}$
25	69	$n \equiv 1, 1725, 2001, 2025, 2301, 6325, 6601, \text{ or } 6625 \pmod{6900}$ except $n = 1725, 2001, 2025, 2301$
25	70	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{7000}$ except $n = 1001, 1625, 2625$
25	71	$n \equiv 1, 2201, 3125, \text{ or } 5325 \pmod{7100}$ except $n = 2201, 3125$
25	72	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
25	73	$n \equiv 1, 1825, 2701, \text{ or } 6425 \pmod{7300}$ except $n = 1825, 2701$
25	74	$n \equiv 1, 4625, 5625, \text{ or } 6401 \pmod{7400}$

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Table 24: Superspectra for  $p = 25$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
25	75	$n \equiv 1, 625, 5001, \text{ or } 5625 \pmod{7500}$ except $n = 625$
25	76	$n \equiv 1, 1425, 1825, \text{ or } 7201 \pmod{7600}$ except $n = 1425, 1825$
25	77	$n \equiv 1, 925, 1001, 1925, 2101, 3025, 6601, \text{ or } 7525 \pmod{7700}$ except $n = 925, 1001, 1925, 2101, 3025$
25	78	$n \equiv 1, 625, 2601, 3225, 3601, 4225, 6201, \text{ or } 6825 \pmod{7800}$ except $n = 625, 2601, 3225, 3601$
25	79	$n \equiv 1, 1501, 4425, \text{ or } 5925 \pmod{7900}$ except $n = 1501$
25	80	$n \equiv 1 \text{ or } 2625 \pmod{8000}$ except $n = 2625$
25	81	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{8100}$ except $n = 325, 1701, 2025$
25	82	$n \equiv 1, 1025, 2625, \text{ or } 6601 \pmod{8200}$ except $n = 1025, 2625$
25	83	$n \equiv 1, 2325, 3901, \text{ or } 6225 \pmod{8300}$ except $n = 2325, 3901$
25	84	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
25	85	$n \equiv 1, 2125, 4625, \text{ or } 6001 \pmod{8500}$ except $n = 2125$
25	86	$n \equiv 1, 3225, 4601, \text{ or } 7225 \pmod{8600}$ except $n = 3225$
25	87	$n \equiv 1, 2001, 2901, 3625, 4525, 6525, 7425, \text{ or } 7801 \pmod{8700}$ except $n = 2001, 2901, 3625$
25	88	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
25	89	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{8900}$ except $n = 801, 1425, 2225$
25	90	$n \equiv 1, 5625, 6625, \text{ or } 8001 \pmod{9000}$
25	91	$n \equiv 1, 1001, 1625, 1925, 4901, 5201, 5825, \text{ or } 6825 \pmod{9100}$ except $n = 1001, 1625, 1925$
25	92	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{9200}$ except $n = 2001$
25	93	$n \equiv 1, 2325, 3225, 5301, 5425, 6201, 6325, \text{ or } 8401 \pmod{9300}$ except $n = 2325, 3225$
25	94	$n \equiv 1, 8225, 8601, \text{ or } 9025 \pmod{9400}$
25	95	$n \equiv 1, 1501, 5625, \text{ or } 7125 \pmod{9500}$ except $n = 1501$

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Table 24: Superspectra for  $p = 25$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
25	96	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
25	97	$n \equiv 1, 2425, 3201, \text{ or } 8925 \pmod{9700}$ except $n = 2425, 3201$
25	98	$n \equiv 1, 1225, 2401, \text{ or } 8625 \pmod{9800}$ except $n = 1225, 2401$
25	99	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 7525, \text{ or } 9801 \pmod{9900}$ except $n = 2025, 3025, 4401$
25	100	$n \equiv 1 \text{ or } 625 \pmod{10000}$ except $n = 625$
25	101	$n \equiv 1, 101, 2425, \text{ or } 2525 \pmod{10100}$ except $n = 101, 2425, 2525$
25	102	$n \equiv 1, 1225, 2601, 3825, 6001, 6801, 7225, \text{ or } 8025 \pmod{10200}$ except $n = 1225, 2601, 3825$
25	103	$n \equiv 1, 825, 6901, \text{ or } 7725 \pmod{10300}$ except $n = 825$
25	104	$n \equiv 1, 4225, 5825, \text{ or } 8801 \pmod{10400}$ except $n = 4225$
25	105	$n \equiv 1, 2625, 3501, 4501, 5125, 8001, 8625, \text{ or } 9625 \pmod{10500}$ except $n = 2625, 3501, 4501, 5125$
25	106	$n \equiv 1, 425, 6201, \text{ or } 6625 \pmod{10600}$ except $n = 425$
25	107	$n \equiv 1, 3425, 4601, \text{ or } 8025 \pmod{10700}$ except $n = 3425, 4601$
25	108	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
25	109	$n \equiv 1, 2725, 3925, \text{ or } 9701 \pmod{10900}$ except $n = 2725, 3925$
25	110	$n \equiv 1, 1001, 8625, \text{ or } 9625 \pmod{11000}$ except $n = 1001$
25	111	$n \equiv 1, 925, 2701, 5625, 7401, 8325, 9325, \text{ or } 10101 \pmod{11100}$ except $n = 925, 2701$
25	112	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$
25	113	$n \equiv 1, 2825, 5425, \text{ or } 8701 \pmod{11300}$ except $n = 2825, 5425$
25	114	$n \equiv 1, 1425, 1825, 3801, 5625, 7201, 9025, \text{ or } 11001 \pmod{11400}$ except $n = 1425, 1825, 3801, 5625$
25	115	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{11500}$ except $n = 2001$
25	116	$n \equiv 1, 2001, 7425, \text{ or } 9425 \pmod{11600}$ except $n = 2001$

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Table 24: Superspectra for  $p = 25$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
25	117	$n \equiv 1, 325, 2601, 2925, 3601, 6201, 8425, \text{ or } 11025 \pmod{11700}$ except $n = 325, 2601, 2925, 3601$
25	118	$n \equiv 1, 4425, 8025, \text{ or } 8201 \pmod{11800}$ except $n = 4425$
25	119	$n \equiv 1, 1225, 1701, 7225, 7701, 8925, 9401, \text{ or } 11425 \pmod{11900}$ except $n = 1225, 1701$
25	120	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
25	121	$n \equiv 1, 3025, 5325, \text{ or } 9801 \pmod{12100}$ except $n = 3025, 5325$
25	122	$n \equiv 1, 7625, 8601, \text{ or } 11225 \pmod{12200}$
25	123	$n \equiv 1, 2625, 4101, 5125, 6601, 9225, 10701, \text{ or } 10825 \pmod{12300}$ except $n = 2625, 4101, 5125$
25	124	$n \equiv 1, 5425, 8401, \text{ or } 9425 \pmod{12400}$ except $n = 5425$
25	125	$n \equiv 1 \text{ or } 3125 \pmod{12500}$ except $n = 3125$
25	126	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
25	127	$n \equiv 1, 1525, 8001, \text{ or } 9525 \pmod{12700}$ except $n = 1525$
25	128	$n \equiv 1 \text{ or } 1025 \pmod{12800}$ except $n = 1025$

Table 25: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 26$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
26	2	$n \equiv 1 \text{ or } 65 \pmod{208}$ except $n = 65$
26	3	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{312}$ except $n = 105$
26	4	$n \equiv 1 \text{ or } 65 \pmod{416}$ except $n = 65$
26	5	$n \equiv 1, 65, 105, \text{ or } 481 \pmod{520}$ except $n = 65, 105$
26	6	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$

*continued on next page*



Table 25: Superspectra for  $p = 26$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
26	7	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{728}$ except $n = 105, 169, 273$
26	8	$n \equiv 1 \text{ or } 65 \pmod{832}$ except $n = 65$
26	9	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
26	10	$n \equiv 1, 65, 481, \text{ or } 625 \pmod{1040}$ except $n = 65, 481$
26	11	$n \equiv 1, 209, 793, \text{ or } 1001 \pmod{1144}$ except $n = 209$
26	12	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
26	13	$n \equiv 1 \text{ or } 169 \pmod{1352}$ except $n = 169$
26	14	$n \equiv 1, 273, 833, \text{ or } 897 \pmod{1456}$ except $n = 273$
26	15	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
26	16	$n \equiv 1 \text{ or } 897 \pmod{1664}$
26	17	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{1768}$ except $n = 273, 833$
26	18	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
26	19	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{1976}$ except $n = 209$
26	20	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
26	21	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
26	22	$n \equiv 1, 209, 1937, \text{ or } 2145 \pmod{2288}$ except $n = 209$
26	23	$n \equiv 1, 897, 1105, \text{ or } 2185 \pmod{2392}$ except $n = 897, 1105$
26	24	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
26	25	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{2600}$ except $n = 625, 1001$
26	26	$n \equiv 1 \text{ or } 1521 \pmod{2704}$
26	27	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$
26	28	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
26	29	$n \equiv 1, 377, 1625, \text{ or } 1769 \pmod{3016}$ except $n = 377$

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Table 25: Superspectra for  $p = 26$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
26	30	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
26	31	$n \equiv 1, 1209, 1457, \text{ or } 2977 \pmod{3224}$ except $n = 1209, 1457$
26	32	$n \equiv 1 \text{ or } 2561 \pmod{3328}$
26	33	$n \equiv 1, 793, 1353, 2145, 2289, 2497, 3081, \text{ or } 3289 \pmod{3432}$ except $n = 793, 1353$
26	34	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{3536}$ except $n = 273, 833, 1105$
26	35	$n \equiv 1, 105, 1001, 1561, 1625, 2185, 3081, \text{ or } 3185 \pmod{3640}$ except $n = 105, 1001, 1561, 1625$
26	36	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
26	37	$n \equiv 1, 481, 1665, \text{ or } 2665 \pmod{3848}$ except $n = 481, 1665$
26	38	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{3952}$ except $n = 209, 1521, 1729$
26	39	$n \equiv 1, 169, 1353, \text{ or } 1521 \pmod{4056}$ except $n = 169, 1353, 1521$
26	40	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
26	41	$n \equiv 1, 1313, 1353, \text{ or } 2665 \pmod{4264}$ except $n = 1313, 1353$
26	42	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
26	43	$n \equiv 1, 689, 3225, \text{ or } 3913 \pmod{4472}$ except $n = 689$
26	44	$n \equiv 1, 2145, 2497, \text{ or } 4225 \pmod{4576}$ except $n = 2145$
26	45	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
26	46	$n \equiv 1, 897, 1105, \text{ or } 4577 \pmod{4784}$ except $n = 897, 1105$
26	47	$n \equiv 1, 377, 1457, \text{ or } 1833 \pmod{4888}$ except $n = 377, 1457, 1833$
26	48	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
26	49	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{5096}$ except $n = 833, 2353$
26	50	$n \equiv 1, 625, 3601, \text{ or } 4225 \pmod{5200}$ except $n = 625$

*continued on next page*

Table 25: Superspectra for  $p = 26$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
26	51	$n \equiv 1, 273, 1105, 2041, 2601, 3537, 4369, \text{ or } 4641 \pmod{5304}$ except $n = 273, 1105, 2041, 2601$
26	52	$n \equiv 1 \text{ or } 4225 \pmod{5408}$
26	53	$n \equiv 1, 689, 2809, \text{ or } 3393 \pmod{5512}$ except $n = 689$
26	54	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
26	55	$n \equiv 1, 1001, 1145, 2145, 3081, 3641, 4225, \text{ or } 4785 \pmod{5720}$ except $n = 1001, 1145, 2145$
26	56	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
26	57	$n \equiv 1, 1521, 1729, 1977, 2185, 3705, 4161, \text{ or } 5473 \pmod{5928}$ except $n = 1521, 1729, 1977, 2185$
26	58	$n \equiv 1, 3393, 4641, \text{ or } 4785 \pmod{6032}$
26	59	$n \equiv 1, 1417, 3953, \text{ or } 5369 \pmod{6136}$ except $n = 1417$
26	60	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
26	61	$n \equiv 1, 793, 1769, \text{ or } 5369 \pmod{6344}$ except $n = 793, 1769$
26	62	$n \equiv 1, 1457, 2977, \text{ or } 4433 \pmod{6448}$ except $n = 1457, 2977$
26	63	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
26	64	$n \equiv 1 \text{ or } 2561 \pmod{6656}$ except $n = 2561$
26	65	$n \equiv 1, 1521, 2705, \text{ or } 4225 \pmod{6760}$ except $n = 1521, 2705$
26	66	$n \equiv 1, 2145, 2289, 2497, 4225, 4785, 6513, \text{ or } 6721 \pmod{6864}$ except $n = 2145, 2289, 2497$
26	67	$n \equiv 1, 2145, 3953, \text{ or } 6097 \pmod{6968}$ except $n = 2145$
26	68	$n \equiv 1, 833, 3809, \text{ or } 4641 \pmod{7072}$ except $n = 833$
26	69	$n \equiv 1, 897, 1105, 2185, 3289, 4785, 5889, \text{ or } 6969 \pmod{7176}$ except $n = 897, 1105, 2185, 3289$
26	70	$n \equiv 1, 3185, 3745, 4641, 5201, 5265, 5825, \text{ or } 6721 \pmod{7280}$ except $n = 3185$

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Table 25: Superspectra for  $p = 26$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
26	71	$n \equiv 1, 2769, 4473, \text{ or } 5681 \pmod{7384}$ except $n = 2769$
26	72	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
26	73	$n \equiv 1, 585, 4161, \text{ or } 4745 \pmod{7592}$ except $n = 585$
26	74	$n \equiv 1, 481, 1665, \text{ or } 6513 \pmod{7696}$ except $n = 481, 1665$
26	75	$n \equiv 1, 625, 2601, 3225, 3601, 4225, 6201, \text{ or } 6825 \pmod{7800}$ except $n = 625, 2601, 3225, 3601$
26	76	$n \equiv 1, 1729, 4161, \text{ or } 5473 \pmod{7904}$ except $n = 1729$
26	77	$n \equiv 1, 1001, 2289, 3081, 3641, 5369, 5929, \text{ or } 6721 \pmod{8008}$ except $n = 1001, 2289, 3081, 3641$
26	78	$n \equiv 1, 1521, 4225, \text{ or } 5409 \pmod{8112}$ except $n = 1521$
26	79	$n \equiv 1, 3081, 5057, \text{ or } 6241 \pmod{8216}$ except $n = 3081$
26	80	$n \equiv 1, 1665, 2561, \text{ or } 4225 \pmod{8320}$ except $n = 1665, 2561$
26	81	$n \equiv 1, 729, 4537, \text{ or } 5265 \pmod{8424}$ except $n = 729$
26	82	$n \equiv 1, 1313, 5617, \text{ or } 6929 \pmod{8528}$ except $n = 1313$
26	83	$n \equiv 1, 7553, 7969, \text{ or } 8217 \pmod{8632}$
26	84	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
26	85	$n \equiv 1, 1105, 2041, 2601, 4641, 5305, 7345, \text{ or } 7905 \pmod{8840}$ except $n = 1105, 2041, 2601$
26	86	$n \equiv 1, 689, 7697, \text{ or } 8385 \pmod{8944}$ except $n = 689$
26	87	$n \equiv 1, 3393, 4641, 4785, 6033, 6409, 7657, \text{ or } 7801 \pmod{9048}$ except $n = 3393$
26	88	$n \equiv 1, 2497, 4225, \text{ or } 6721 \pmod{9152}$ except $n = 2497, 4225$
26	89	$n \equiv 1, 5785, 6409, \text{ or } 8633 \pmod{9256}$
26	90	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
26	91	$n \equiv 1, 169, 8113, \text{ or } 8281 \pmod{9464}$ except $n = 169$

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Table 25: Superspectra for  $p = 26$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
26	92	$n \equiv 1, 897, 4577, \text{ or } 5889 \pmod{9568}$ except $n = 897, 4577$
26	93	$n \equiv 1, 1209, 2977, 3225, 4681, 6201, 7657, \text{ or } 7905 \pmod{9672}$ except $n = 1209, 2977, 3225, 4681$
26	94	$n \equiv 1, 1457, 5265, \text{ or } 6721 \pmod{9776}$ except $n = 1457$
26	95	$n \equiv 1, 1521, 2185, 3705, 4161, 5681, 7905, \text{ or } 9425 \pmod{9880}$ except $n = 1521, 2185, 3705, 4161$
26	96	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
26	97	$n \equiv 1, 6305, 7761, \text{ or } 8633 \pmod{10088}$
26	98	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{10192}$ except $n = 833, 2353, 3185$
26	99	$n \equiv 1, 793, 8217, 9009, 9153, 9361, 9945, \text{ or } 10153 \pmod{10296}$ except $n = 793$
26	100	$n \equiv 1, 4225, 5825, \text{ or } 8801 \pmod{10400}$ except $n = 4225$
26	101	$n \equiv 1, 1313, 4849, \text{ or } 6969 \pmod{10504}$ except $n = 1313, 4849$
26	102	$n \equiv 1, 273, 1105, 3537, 4369, 4641, 7345, \text{ or } 7905 \pmod{10608}$ except $n = 273, 1105, 3537, 4369, 4641$
26	103	$n \equiv 1, 4017, 4121, \text{ or } 10609 \pmod{10712}$ except $n = 4017, 4121$
26	104	$n \equiv 1 \text{ or } 4225 \pmod{10816}$ except $n = 4225$
26	105	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
26	106	$n \equiv 1, 689, 3393, \text{ or } 8321 \pmod{11024}$ except $n = 689, 3393$
26	107	$n \equiv 1, 3745, 5993, \text{ or } 9737 \pmod{11128}$ except $n = 3745$
26	108	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
26	109	$n \equiv 1, 1417, 2289, \text{ or } 10465 \pmod{11336}$ except $n = 1417, 2289$
26	110	$n \equiv 1, 2145, 4225, 4785, 6721, 6865, 8801, \text{ or } 9361 \pmod{11440}$ except $n = 2145, 4225, 4785$
26	111	$n \equiv 1, 481, 1665, 2665, 3849, 4329, 6513, \text{ or } 9361 \pmod{11544}$ except $n = 481, 1665, 2665, 3849, 4329$

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Table 25: Superspectra for  $p = 26$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
26	112	$n \equiv 1, 897, 6657, \text{ or } 7553 \pmod{11648}$ except $n = 897$
26	113	$n \equiv 1, 7345, 9153, \text{ or } 9945 \pmod{11752}$
26	114	$n \equiv 1, 1521, 1729, 4161, 5473, 7905, 8113, \text{ or } 9633 \pmod{11856}$ except $n = 1521, 1729, 4161, 5473$
26	115	$n \equiv 1, 1105, 2185, 4785, 5681, 8281, 9361, \text{ or } 10465 \pmod{11960}$ except $n = 1105, 2185, 4785, 5681$
26	116	$n \equiv 1, 3393, 4641, \text{ or } 10817 \pmod{12064}$ except $n = 3393, 4641$
26	117	$n \equiv 1, 1521, 5409, \text{ or } 8281 \pmod{12168}$ except $n = 1521, 5409$
26	118	$n \equiv 1, 3953, 7553, \text{ or } 11505 \pmod{12272}$ except $n = 3953$
26	119	$n \equiv 1, 273, 833, 3809, 4369, 4641, 8177, \text{ or } 8841 \pmod{12376}$ except $n = 273, 833, 3809, 4369, 4641$
26	120	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
26	121	$n \equiv 1, 1937, 5929, \text{ or } 7865 \pmod{12584}$ except $n = 1937, 5929$
26	122	$n \equiv 1, 7137, 8113, \text{ or } 11713 \pmod{12688}$
26	123	$n \equiv 1, 1353, 2665, 5577, 5617, 8529, 9841, \text{ or } 11193 \pmod{12792}$ except $n = 1353, 2665, 5577, 5617$
26	124	$n \equiv 1, 2977, 7905, \text{ or } 10881 \pmod{12896}$ except $n = 2977$
26	125	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{13000}$ except $n = 625, 1001, 1625$
26	126	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
26	127	$n \equiv 1, 4953, 6097, \text{ or } 12065 \pmod{13208}$ except $n = 4953, 6097$
26	128	$n \equiv 1 \text{ or } 9217 \pmod{13312}$

Table 26: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 27$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
27	2	$n \equiv 1$ or $81 \pmod{216}$ except $n = 81$
27	3	$n \equiv 1$ or $81 \pmod{324}$ except $n = 81$
27	4	$n \equiv 1$ or $81 \pmod{432}$ except $n = 81$
27	5	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{540}$ except $n = 81$
27	6	$n \equiv 1$ or $81 \pmod{648}$ except $n = 81$
27	7	$n \equiv 1, 189, 217, \text{ or } 729 \pmod{756}$ except $n = 189, 217$
27	8	$n \equiv 1$ or $513 \pmod{864}$
27	9	$n \equiv 1$ or $729 \pmod{972}$
27	10	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
27	11	$n \equiv 1, 297, 649, \text{ or } 837 \pmod{1188}$ except $n = 297$
27	12	$n \equiv 1$ or $81 \pmod{1296}$ except $n = 81$
27	13	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{1404}$ except $n = 325$
27	14	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
27	15	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{1620}$ except $n = 81, 325, 405$
27	16	$n \equiv 1$ or $513 \pmod{1728}$ except $n = 513$
27	17	$n \equiv 1, 1377, 1513, \text{ or } 1701 \pmod{1836}$
27	18	$n \equiv 1$ or $729 \pmod{1944}$ except $n = 729$
27	19	$n \equiv 1, 513, 837, \text{ or } 1729 \pmod{2052}$ except $n = 513, 837$
27	20	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
27	21	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{2268}$ except $n = 729, 973$
27	22	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
27	23	$n \equiv 1, 621, 1081, \text{ or } 2025 \pmod{2484}$ except $n = 621, 1081$
27	24	$n \equiv 1$ or $1377 \pmod{2592}$
27	25	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{2700}$ except $n = 325$
27	26	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$

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Table 26: Superspectra for  $p = 27$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
27	27	$n \equiv 1$ or $729 \pmod{2916}$ except $n = 729$
27	28	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
27	29	$n \equiv 1, 1161, 1189, \text{ or } 2349 \pmod{3132}$ except $n = 1161, 1189$
27	30	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
27	31	$n \equiv 1, 217, 621, \text{ or } 837 \pmod{3348}$ except $n = 217, 621, 837$
27	32	$n \equiv 1$ or $513 \pmod{3456}$ except $n = 513$
27	33	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{3564}$ except $n = 649$
27	34	$n \equiv 1, 1377, 1513, \text{ or } 3537 \pmod{3672}$ except $n = 1377, 1513$
27	35	$n \equiv 1, 945, 1485, 1701, 2241, 2485, 3025, \text{ or } 3241 \pmod{3780}$ except $n = 945, 1485, 1701$
27	36	$n \equiv 1$ or $2673 \pmod{3888}$
27	37	$n \equiv 1, 297, 2701, \text{ or } 2997 \pmod{3996}$ except $n = 297$
27	38	$n \equiv 1, 513, 1729, \text{ or } 2889 \pmod{4104}$ except $n = 513, 1729$
27	39	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{4212}$ except $n = 325, 729, 1053$
27	40	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
27	41	$n \equiv 1, 1189, 2133, \text{ or } 3321 \pmod{4428}$ except $n = 1189, 2133$
27	42	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
27	43	$n \equiv 1, 1161, 1377, \text{ or } 4429 \pmod{4644}$ except $n = 1161, 1377$
27	44	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
27	45	$n \equiv 1, 1701, 1945, \text{ or } 3645 \pmod{4860}$ except $n = 1701, 1945$
27	46	$n \equiv 1, 1081, 2025, \text{ or } 3105 \pmod{4968}$ except $n = 1081, 2025$
27	47	$n \equiv 1, 189, 1081, \text{ or } 1269 \pmod{5076}$ except $n = 189, 1081, 1269$
27	48	$n \equiv 1$ or $3969 \pmod{5184}$
27	49	$n \equiv 1, 3969, 4509, \text{ or } 4753 \pmod{5292}$
27	50	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
27	51	$n \equiv 1, 1377, 1701, \text{ or } 5185 \pmod{5508}$ except $n = 1377, 1701$

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Table 26: Superspectra for  $p = 27$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
27	52	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
27	53	$n \equiv 1, 1485, 2809, \text{ or } 4293 \pmod{5724}$ except $n = 1485, 2809$
27	54	$n \equiv 1 \text{ or } 729 \pmod{5832}$ except $n = 729$
27	55	$n \equiv 1, 1485, 2025, 3025, 3565, 3861, 4401, \text{ or } 5401 \pmod{5940}$ except $n = 1485, 2025$
27	56	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
27	57	$n \equiv 1, 4617, 4941, \text{ or } 5833 \pmod{6156}$
27	58	$n \equiv 1, 1161, 4321, \text{ or } 5481 \pmod{6264}$ except $n = 1161$
27	59	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{6372}$ except $n = 649, 945, 1593$
27	60	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
27	61	$n \equiv 1, 4941, 5185, \text{ or } 6345 \pmod{6588}$
27	62	$n \equiv 1, 217, 3969, \text{ or } 4185 \pmod{6696}$ except $n = 217$
27	63	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{6804}$ except $n = 729, 973, 1701$
27	64	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
27	65	$n \equiv 1, 325, 1405, 3861, 4941, 5265, 5941, \text{ or } 6345 \pmod{7020}$ except $n = 325, 1405$
27	66	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{7128}$ except $n = 649, 2025, 2673$
27	67	$n \equiv 1, 1809, 3753, \text{ or } 5293 \pmod{7236}$ except $n = 1809$
27	68	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
27	69	$n \equiv 1, 2025, 3565, \text{ or } 5589 \pmod{7452}$ except $n = 2025, 3565$
27	70	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
27	71	$n \equiv 1, 1917, 2485, \text{ or } 7101 \pmod{7668}$ except $n = 1917, 2485$
27	72	$n \equiv 1 \text{ or } 6561 \pmod{7776}$
27	73	$n \equiv 1, 2701, 3213, \text{ or } 5913 \pmod{7884}$ except $n = 2701, 3213$
27	74	$n \equiv 1, 297, 6697, \text{ or } 6993 \pmod{7992}$ except $n = 297$

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Table 26: Superspectra for  $p = 27$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
27	75	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{8100}$ except $n = 325, 1701, 2025$
27	76	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
27	77	$n \equiv 1, 1485, 3025, 3213, 4753, 6237, 6777, \text{ or } 7777 \pmod{8316}$ except $n = 1485, 3025, 3213$
27	78	$n \equiv 1, 729, 4537, \text{ or } 5265 \pmod{8424}$ except $n = 729$
27	79	$n \equiv 1, 2133, 5293, \text{ or } 5373 \pmod{8532}$ except $n = 2133$
27	80	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
27	81	$n \equiv 1 \text{ or } 6561 \pmod{8748}$
27	82	$n \equiv 1, 3321, 5617, \text{ or } 6561 \pmod{8856}$ except $n = 3321$
27	83	$n \equiv 1, 2241, 3321, \text{ or } 7885 \pmod{8964}$ except $n = 2241, 3321$
27	84	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
27	85	$n \equiv 1, 1701, 5185, 6885, 7021, 7345, 8721, \text{ or } 9045 \pmod{9180}$ except $n = 1701$
27	86	$n \equiv 1, 1161, 1377, \text{ or } 9073 \pmod{9288}$ except $n = 1161, 1377$
27	87	$n \equiv 1, 2349, 4293, \text{ or } 7453 \pmod{9396}$ except $n = 2349, 4293$
27	88	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
27	89	$n \equiv 1, 1513, 5697, \text{ or } 7209 \pmod{9612}$ except $n = 1513$
27	90	$n \equiv 1, 1945, 6561, \text{ or } 8505 \pmod{9720}$ except $n = 1945$
27	91	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 7021, \text{ or } 7749 \pmod{9828}$ except $n = 729, 1729, 2457, 4537$
27	92	$n \equiv 1, 3105, 6049, \text{ or } 6993 \pmod{9936}$ except $n = 3105$
27	93	$n \equiv 1, 3565, 3969, \text{ or } 7533 \pmod{10044}$ except $n = 3565, 3969$
27	94	$n \equiv 1, 1081, 5265, \text{ or } 6345 \pmod{10152}$ except $n = 1081$
27	95	$n \equiv 1, 2565, 3781, 4105, 4941, 7885, 8721, \text{ or } 9045 \pmod{10260}$ except $n = 2565, 3781, 4105, 4941$
27	96	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
27	97	$n \equiv 1, 3105, 4753, \text{ or } 7857 \pmod{10476}$ except $n = 3105, 4753$

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Table 26: Superspectra for  $p = 27$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
27	98	$n \equiv 1, 3969, 4753, \text{ or } 9801 \pmod{10584}$ except $n = 3969, 4753$
27	99	$n \equiv 1, 2673, 5589, \text{ or } 7777 \pmod{10692}$ except $n = 2673$
27	100	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
27	101	$n \equiv 1, 405, 7777, \text{ or } 8181 \pmod{10908}$ except $n = 405$
27	102	$n \equiv 1, 1377, 5185, \text{ or } 7209 \pmod{11016}$ except $n = 1377, 5185$
27	103	$n \equiv 1, 2781, 4429, \text{ or } 9477 \pmod{11124}$ except $n = 2781, 4429$
27	104	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
27	105	$n \equiv 1, 1701, 3241, 5265, 6805, 8505, 9801, \text{ or } 10045 \pmod{11340}$ except $n = 1701, 3241, 5265$
27	106	$n \equiv 1, 2809, 7209, \text{ or } 10017 \pmod{11448}$ except $n = 2809$
27	107	$n \equiv 1, 2889, 2997, \text{ or } 11449 \pmod{11556}$ except $n = 2889, 2997$
27	108	$n \equiv 1 \text{ or } 6561 \pmod{11664}$
27	109	$n \equiv 1, 109, 8721, \text{ or } 8829 \pmod{11772}$ except $n = 109$
27	110	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
27	111	$n \equiv 1, 2997, 4293, \text{ or } 10693 \pmod{11988}$ except $n = 2997, 4293$
27	112	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
27	113	$n \equiv 1, 1809, 7345, \text{ or } 9153 \pmod{12204}$ except $n = 1809$
27	114	$n \equiv 1, 4617, 5833, \text{ or } 11097 \pmod{12312}$ except $n = 4617, 5833$
27	115	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 11961 \pmod{12420}$ except $n = 621, 1081, 2025, 2485, 3105, 3565$
27	116	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{12528}$ except $n = 4321$
27	117	$n \equiv 1, 729, 8749, \text{ or } 9477 \pmod{12636}$ except $n = 729$
27	118	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{12744}$ except $n = 649, 945, 1593$
27	119	$n \equiv 1, 1513, 1701, 3213, 5509, 7021, 9045, \text{ or } 10557 \pmod{12852}$ except $n = 1513, 1701, 3213, 5509$
27	120	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$

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Table 26: Superspectra for  $p = 27$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
27	121	$n \equiv 1, 3025, 6777, \text{ or } 9801 \pmod{13068}$ except $n = 3025$
27	122	$n \equiv 1, 5185, 6345, \text{ or } 11529 \pmod{13176}$ except $n = 5185, 6345$
27	123	$n \equiv 1, 3321, 6561, \text{ or } 10045 \pmod{13284}$ except $n = 3321, 6561$
27	124	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{13392}$ except $n = 3969$
27	125	$n \equiv 1, 10125, 11125, \text{ or } 12501 \pmod{13500}$
27	126	$n \equiv 1, 729, 7777, \text{ or } 8505 \pmod{13608}$ except $n = 729$
27	127	$n \equiv 1, 3429, 5589, \text{ or } 11557 \pmod{13716}$ except $n = 3429, 5589$
27	128	$n \equiv 1 \text{ or } 513 \pmod{13824}$ except $n = 513$

Table 27: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 28$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
28	2	$n \equiv 1 \text{ or } 161 \pmod{224}$
28	3	$n \equiv 1, 49, 225, \text{ or } 273 \pmod{336}$ except $n = 49$
28	4	$n \equiv 1 \text{ or } 385 \pmod{448}$
28	5	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
28	6	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
28	7	$n \equiv 1 \text{ or } 49 \pmod{784}$ except $n = 49$
28	8	$n \equiv 1 \text{ or } 385 \pmod{896}$ except $n = 385$
28	9	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
28	10	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
28	11	$n \equiv 1, 385, 561, \text{ or } 1057 \pmod{1232}$ except $n = 385, 561$
28	12	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
28	13	$n \equiv 1, 273, 833, \text{ or } 897 \pmod{1456}$ except $n = 273$

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Table 27: Superspectra for  $p = 28$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
28	14	$n \equiv 1$ or $833 \pmod{1568}$
28	15	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
28	16	$n \equiv 1$ or $1281 \pmod{1792}$
28	17	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{1904}$ except $n = 273, 561, 833$
28	18	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
28	19	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{2128}$ except $n = 609$
28	20	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
28	21	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
28	22	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
28	23	$n \equiv 1, 161, 897, \text{ or } 1841 \pmod{2576}$ except $n = 161, 897$
28	24	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
28	25	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{2800}$ except $n = 225$
28	26	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
28	27	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
28	28	$n \equiv 1$ or $833 \pmod{3136}$ except $n = 833$
28	29	$n \equiv 1, 609, 1393, \text{ or } 2465 \pmod{3248}$ except $n = 609, 1393$
28	30	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
28	31	$n \equiv 1, 497, 1457, \text{ or } 1953 \pmod{3472}$ except $n = 497, 1457$
28	32	$n \equiv 1$ or $3073 \pmod{3584}$
28	33	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
28	34	$n \equiv 1, 833, 2177, \text{ or } 2465 \pmod{3808}$ except $n = 833$
28	35	$n \equiv 1, 785, 2401, \text{ or } 3185 \pmod{3920}$ except $n = 785$
28	36	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$

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Table 27: Superspectra for  $p = 28$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
28	37	$n \equiv 1, 2849, 2961, \text{ or } 4033 \pmod{4144}$
28	38	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{4256}$ except $n = 609, 1121, 1729$
28	39	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
28	40	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
28	41	$n \equiv 1, 1681, 2625, \text{ or } 4305 \pmod{4592}$ except $n = 1681$
28	42	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
28	43	$n \equiv 1, 1505, 2065, \text{ or } 4257 \pmod{4816}$ except $n = 1505, 2065$
28	44	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
28	45	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
28	46	$n \equiv 1, 161, 897, \text{ or } 4417 \pmod{5152}$ except $n = 161, 897$
28	47	$n \equiv 1, 1457, 1505, \text{ or } 2961 \pmod{5264}$ except $n = 1457, 1505$
28	48	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
28	49	$n \equiv 1 \text{ or } 2401 \pmod{5488}$ except $n = 2401$
28	50	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$
28	51	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
28	52	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
28	53	$n \equiv 1, 4081, 4929, \text{ or } 5089 \pmod{5936}$
28	54	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
28	55	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
28	56	$n \equiv 1 \text{ or } 3969 \pmod{6272}$
28	57	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
28	58	$n \equiv 1, 609, 2465, \text{ or } 4641 \pmod{6496}$ except $n = 609, 2465$

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Table 27: Superspectra for  $p = 28$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
28	59	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{6608}$ except $n = 945, 1121, 2065$
28	60	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
28	61	$n \equiv 1, 1281, 1953, \text{ or } 6161 \pmod{6832}$ except $n = 1281, 1953$
28	62	$n \equiv 1, 1953, 3969, \text{ or } 4929 \pmod{6944}$ except $n = 1953$
28	63	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
28	64	$n \equiv 1 \text{ or } 3073 \pmod{7168}$ except $n = 3073$
28	65	$n \equiv 1, 3185, 3745, 4641, 5201, 5265, 5825, \text{ or } 6721 \pmod{7280}$ except $n = 3185$
28	66	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
28	67	$n \equiv 1, 6097, 6433, \text{ or } 7169 \pmod{7504}$
28	68	$n \equiv 1, 833, 2177, \text{ or } 6273 \pmod{7616}$ except $n = 833, 2177$
28	69	$n \equiv 1, 897, 2577, 2737, 4417, 5313, 6049, \text{ or } 6993 \pmod{7728}$ except $n = 897, 2577, 2737$
28	70	$n \equiv 1, 2401, 4705, \text{ or } 7105 \pmod{7840}$ except $n = 2401$
28	71	$n \equiv 1, 497, 3409, \text{ or } 5041 \pmod{7952}$ except $n = 497, 3409$
28	72	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
28	73	$n \equiv 1, 1169, 6497, \text{ or } 7665 \pmod{8176}$ except $n = 1169$
28	74	$n \equiv 1, 2849, 4033, \text{ or } 7105 \pmod{8288}$ except $n = 2849, 4033$
28	75	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
28	76	$n \equiv 1, 1729, 4865, \text{ or } 5377 \pmod{8512}$ except $n = 1729$
28	77	$n \equiv 1, 1617, 4753, \text{ or } 5489 \pmod{8624}$ except $n = 1617$
28	78	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
28	79	$n \equiv 1, 4977, 6321, \text{ or } 7505 \pmod{8848}$

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Table 27: Superspectra for  $p = 28$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
28	80	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
28	81	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
28	82	$n \equiv 1, 2625, 6273, \text{ or } 8897 \pmod{9184}$ except $n = 2625$
28	83	$n \equiv 1, 2241, 5313, \text{ or } 7553 \pmod{9296}$ except $n = 2241$
28	84	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
28	85	$n \equiv 1, 561, 1905, 2465, 4081, 4641, 5985, \text{ or } 6545 \pmod{9520}$ except $n = 561, 1905, 2465, 4081, 4641$
28	86	$n \equiv 1, 1505, 4257, \text{ or } 6881 \pmod{9632}$ except $n = 1505, 4257$
28	87	$n \equiv 1, 609, 1393, 3249, 4641, 5713, 7105, \text{ or } 8961 \pmod{9744}$ except $n = 609, 1393, 3249, 4641$
28	88	$n \equiv 1, 385, 1793, \text{ or } 8449 \pmod{9856}$ except $n = 385, 1793$
28	89	$n \equiv 1, 2849, 6497, \text{ or } 9345 \pmod{9968}$ except $n = 2849$
28	90	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
28	91	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{10192}$ except $n = 833, 2353, 3185$
28	92	$n \equiv 1, 897, 4417, \text{ or } 5313 \pmod{10304}$ except $n = 897, 4417$
28	93	$n \equiv 1, 1953, 3969, 4929, 5425, 6945, 7441, \text{ or } 8401 \pmod{10416}$ except $n = 1953, 3969, 4929$
28	94	$n \equiv 1, 1505, 6721, \text{ or } 8225 \pmod{10528}$ except $n = 1505$
28	95	$n \equiv 1, 1121, 4865, 5985, 6385, 7505, 9121, \text{ or } 10241 \pmod{10640}$ except $n = 1121, 4865$
28	96	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$
28	97	$n \equiv 1, 4753, 6209, \text{ or } 9409 \pmod{10864}$ except $n = 4753$
28	98	$n \equiv 1 \text{ or } 2401 \pmod{10976}$ except $n = 2401$
28	99	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
28	100	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$

*continued on next page*



Table 27: Superspectra for  $p = 28$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
28	101	$n \equiv 1, 1617, 6161, \text{ or } 7777 \pmod{11312}$ except $n = 1617$
28	102	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
28	103	$n \equiv 1, 721, 3297, \text{ or } 8961 \pmod{11536}$ except $n = 721, 3297$
28	104	$n \equiv 1, 897, 6657, \text{ or } 7553 \pmod{11648}$ except $n = 897$
28	105	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
28	106	$n \equiv 1, 4929, 5089, \text{ or } 10017 \pmod{11872}$ except $n = 4929, 5089$
28	107	$n \equiv 1, 3745, 7169, \text{ or } 8561 \pmod{11984}$ except $n = 3745$
28	108	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
28	109	$n \equiv 1, 2289, 4033, \text{ or } 10465 \pmod{12208}$ except $n = 2289, 4033$
28	110	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
28	111	$n \equiv 1, 2961, 4033, 6993, 7105, 8289, 11137, \text{ or } 12321 \pmod{12432}$ except $n = 2961, 4033$
28	112	$n \equiv 1 \text{ or } 10241 \pmod{12544}$
28	113	$n \equiv 1, 113, 5425, \text{ or } 5537 \pmod{12656}$ except $n = 113, 5425, 5537$
28	114	$n \equiv 1, 609, 1729, 4257, 5377, 5985, 9121, \text{ or } 9633 \pmod{12768}$ except $n = 609, 1729, 4257, 5377, 5985$
28	115	$n \equiv 1, 161, 1841, 8625, 10305, 10465, 11201, \text{ or } 12145 \pmod{12880}$ except $n = 161, 1841$
28	116	$n \equiv 1, 7105, 8961, \text{ or } 11137 \pmod{12992}$
28	117	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
28	118	$n \equiv 1, 1121, 7553, \text{ or } 8673 \pmod{13216}$ except $n = 1121$
28	119	$n \equiv 1, 833, 6273, \text{ or } 7889 \pmod{13328}$ except $n = 833, 6273$
28	120	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$

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Table 27: Superspectra for  $p = 28$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
28	121	$n \equiv 1, 3025, 9681, \text{ or } 12705 \pmod{13552}$ except $n = 3025$
28	122	$n \equiv 1, 1281, 1953, \text{ or } 12993 \pmod{13664}$ except $n = 1281, 1953$
28	123	$n \equiv 1, 1681, 2625, 4305, 4593, 6273, 11809, \text{ or } 13489 \pmod{13776}$ except $n = 1681, 2625, 4305, 4593, 6273$
28	124	$n \equiv 1, 3969, 4929, \text{ or } 8897 \pmod{13888}$ except $n = 3969, 4929$
28	125	$n \equiv 1, 2625, 8001, \text{ or } 8625 \pmod{14000}$ except $n = 2625$
28	126	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
28	127	$n \equiv 1, 1905, 6097, \text{ or } 8001 \pmod{14224}$ except $n = 1905, 6097$
28	128	$n \equiv 1 \text{ or } 10241 \pmod{14336}$

Table 28: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 29$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
29	2	$n \equiv 1 \text{ or } 145 \pmod{232}$
29	3	$n \equiv 1, 117, 145, \text{ or } 261 \pmod{348}$ except $n = 117, 145$
29	4	$n \equiv 1 \text{ or } 145 \pmod{464}$ except $n = 145$
29	5	$n \equiv 1, 145, 261, \text{ or } 465 \pmod{580}$ except $n = 145, 261$
29	6	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{696}$ except $n = 145$
29	7	$n \equiv 1, 29, 581, \text{ or } 609 \pmod{812}$ except $n = 29$
29	8	$n \equiv 1 \text{ or } 609 \pmod{928}$
29	9	$n \equiv 1, 117, 145, \text{ or } 261 \pmod{1044}$ except $n = 117, 145, 261$
29	10	$n \equiv 1, 145, 465, \text{ or } 841 \pmod{1160}$ except $n = 145, 465$
29	11	$n \equiv 1, 957, 1045, \text{ or } 1189 \pmod{1276}$
29	12	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{1392}$ except $n = 145, 465, 609$
29	13	$n \equiv 1, 117, 261, \text{ or } 377 \pmod{1508}$ except $n = 117, 261, 377$

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Table 28: Superspectra for  $p = 29$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
29	14	$n \equiv 1, 609, 841, \text{ or } 1393 \pmod{1624}$ except $n = 609$
29	15	$n \equiv 1, 145, 261, 465, 841, 1045, 1161, \text{ or } 1305 \pmod{1740}$ except $n = 145, 261, 465, 841$
29	16	$n \equiv 1 \text{ or } 1537 \pmod{1856}$
29	17	$n \equiv 1, 493, 697, \text{ or } 1769 \pmod{1972}$ except $n = 493, 697$
29	18	$n \equiv 1, 145, 1161, \text{ or } 1305 \pmod{2088}$ except $n = 145$
29	19	$n \equiv 1, 609, 1045, \text{ or } 1653 \pmod{2204}$ except $n = 609, 1045$
29	20	$n \equiv 1, 145, 465, \text{ or } 2001 \pmod{2320}$ except $n = 145, 465$
29	21	$n \equiv 1, 609, 813, 841, 1393, 1653, 2205, \text{ or } 2233 \pmod{2436}$ except $n = 609, 813, 841$
29	22	$n \equiv 1, 2233, 2321, \text{ or } 2465 \pmod{2552}$
29	23	$n \equiv 1, 2001, 2117, \text{ or } 2553 \pmod{2668}$
29	24	$n \equiv 1, 609, 1537, \text{ or } 1857 \pmod{2784}$ except $n = 609$
29	25	$n \equiv 1, 725, 1625, \text{ or } 2001 \pmod{2900}$ except $n = 725$
29	26	$n \equiv 1, 377, 1625, \text{ or } 1769 \pmod{3016}$ except $n = 377$
29	27	$n \equiv 1, 1161, 1189, \text{ or } 2349 \pmod{3132}$ except $n = 1161, 1189$
29	28	$n \equiv 1, 609, 1393, \text{ or } 2465 \pmod{3248}$ except $n = 609, 1393$
29	29	$n \equiv 1 \text{ or } 841 \pmod{3364}$ except $n = 841$
29	30	$n \equiv 1, 145, 465, 841, 1161, 1305, 2001, \text{ or } 2785 \pmod{3480}$ except $n = 145, 465, 841, 1161, 1305$
29	31	$n \equiv 1, 465, 2233, \text{ or } 2697 \pmod{3596}$ except $n = 465$
29	32	$n \equiv 1 \text{ or } 1537 \pmod{3712}$ except $n = 1537$
29	33	$n \equiv 1, 957, 1045, 1189, 2233, 2553, 3597, \text{ or } 3741 \pmod{3828}$ except $n = 957, 1045, 1189$
29	34	$n \equiv 1, 697, 1769, \text{ or } 2465 \pmod{3944}$ except $n = 697, 1769$
29	35	$n \equiv 1, 581, 841, 1421, 1625, 2205, 2465, \text{ or } 3045 \pmod{4060}$ except $n = 581, 841, 1421, 1625$

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Table 28: Superspectra for  $p = 29$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
29	36	$n \equiv 1, 145, 3249, \text{ or } 3393 \pmod{4176}$ except $n = 145$
29	37	$n \equiv 1, 1073, 2553, \text{ or } 2813 \pmod{4292}$ except $n = 1073$
29	38	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{4408}$ except $n = 609$
29	39	$n \equiv 1, 117, 261, 1509, 1885, 3133, 3277, \text{ or } 3393 \pmod{4524}$ except $n = 117, 261, 1509, 1885$
29	40	$n \equiv 1, 2465, 2785, \text{ or } 4321 \pmod{4640}$
29	41	$n \equiv 1, 493, 697, \text{ or } 1189 \pmod{4756}$ except $n = 493, 697, 1189$
29	42	$n \equiv 1, 609, 841, 1393, 2233, 3249, 4089, \text{ or } 4641 \pmod{4872}$ except $n = 609, 841, 1393, 2233$
29	43	$n \equiv 1, 1161, 2581, \text{ or } 3741 \pmod{4988}$ except $n = 1161$
29	44	$n \equiv 1, 2321, 2465, \text{ or } 4785 \pmod{5104}$ except $n = 2321, 2465$
29	45	$n \equiv 1, 145, 261, 1045, 1161, 1305, 2205, \text{ or } 4321 \pmod{5220}$ except $n = 145, 261, 1045, 1161, 1305, 2205$
29	46	$n \equiv 1, 2001, 2553, \text{ or } 4785 \pmod{5336}$ except $n = 2001, 2553$
29	47	$n \equiv 1, 377, 3713, \text{ or } 4089 \pmod{5452}$ except $n = 377$
29	48	$n \equiv 1, 1537, 1857, \text{ or } 3393 \pmod{5568}$ except $n = 1537, 1857$
29	49	$n \equiv 1, 1421, 2205, \text{ or } 4901 \pmod{5684}$ except $n = 1421, 2205$
29	50	$n \equiv 1, 1625, 2001, \text{ or } 3625 \pmod{5800}$ except $n = 1625, 2001$
29	51	$n \equiv 1, 493, 697, 3741, 3945, 4437, 4641, \text{ or } 5713 \pmod{5916}$ except $n = 493, 697$
29	52	$n \equiv 1, 3393, 4641, \text{ or } 4785 \pmod{6032}$
29	53	$n \equiv 1, 1537, 3393, \text{ or } 4293 \pmod{6148}$ except $n = 1537$
29	54	$n \equiv 1, 1161, 4321, \text{ or } 5481 \pmod{6264}$ except $n = 1161$
29	55	$n \equiv 1, 1045, 2321, 2465, 3741, 4785, 5105, \text{ or } 6061 \pmod{6380}$ except $n = 1045, 2321, 2465$
29	56	$n \equiv 1, 609, 2465, \text{ or } 4641 \pmod{6496}$ except $n = 609, 2465$

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Table 28: Superspectra for  $p = 29$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
29	57	$n \equiv 1, 609, 1045, 1653, 2205, 3249, 5017, \text{ or } 6061 \pmod{6612}$ except $n = 609, 1045, 1653, 2205, 3249$
29	58	$n \equiv 1 \text{ or } 841 \pmod{6728}$ except $n = 841$
29	59	$n \equiv 1, 1653, 3481, \text{ or } 5133 \pmod{6844}$ except $n = 1653$
29	60	$n \equiv 1, 145, 465, 2001, 2785, 4321, 4641, \text{ or } 4785 \pmod{6960}$ except $n = 145, 465, 2001, 2785$
29	61	$n \equiv 1, 1769, 2929, \text{ or } 5917 \pmod{7076}$ except $n = 1769, 2929$
29	62	$n \equiv 1, 465, 2233, \text{ or } 2697 \pmod{7192}$ except $n = 465, 2233, 2697$
29	63	$n \equiv 1, 2205, 2233, 3249, 3277, 5481, 6265, \text{ or } 6525 \pmod{7308}$ except $n = 2205, 2233, 3249, 3277$
29	64	$n \equiv 1 \text{ or } 1537 \pmod{7424}$ except $n = 1537$
29	65	$n \equiv 1, 261, 1625, 1885, 4525, 4641, 4785, \text{ or } 4901 \pmod{7540}$ except $n = 261, 1625, 1885$
29	66	$n \equiv 1, 2233, 2553, 4785, 4873, 5017, 7425, \text{ or } 7569 \pmod{7656}$ except $n = 2233, 2553$
29	67	$n \equiv 1, 1073, 4757, \text{ or } 5829 \pmod{7772}$ except $n = 1073$
29	68	$n \equiv 1, 2465, 4641, \text{ or } 5713 \pmod{7888}$ except $n = 2465$
29	69	$n \equiv 1, 2001, 2553, 4669, 4785, 5221, 5337, \text{ or } 7453 \pmod{8004}$ except $n = 2001, 2553$
29	70	$n \equiv 1, 841, 1625, 2465, 4641, 5481, 6265, \text{ or } 7105 \pmod{8120}$ except $n = 841, 1625, 2465$
29	71	$n \equiv 1, 1421, 4757, \text{ or } 6177 \pmod{8236}$ except $n = 1421$
29	72	$n \equiv 1, 3393, 4321, \text{ or } 7425 \pmod{8352}$ except $n = 3393$
29	73	$n \equiv 1, 2117, 4089, \text{ or } 6497 \pmod{8468}$ except $n = 2117, 4089$
29	74	$n \equiv 1, 1073, 2553, \text{ or } 7105 \pmod{8584}$ except $n = 1073, 2553$
29	75	$n \equiv 1, 2001, 2901, 3625, 4525, 6525, 7425, \text{ or } 7801 \pmod{8700}$ except $n = 2001, 2901, 3625$
29	76	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{8816}$ except $n = 609, 3249, 3857$

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Table 28: Superspectra for  $p = 29$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
29	77	$n \equiv 1, 2233, 2465, 3829, 4873, 6293, 7337, \text{ or } 8701 \pmod{8932}$ except $n = 2233, 2465, 3829$
29	78	$n \equiv 1, 3393, 4641, 4785, 6033, 6409, 7657, \text{ or } 7801 \pmod{9048}$ except $n = 3393$
29	79	$n \equiv 1, 3161, 3713, \text{ or } 6873 \pmod{9164}$ except $n = 3161, 3713$
29	80	$n \equiv 1, 7105, 7425, \text{ or } 8961 \pmod{9280}$
29	81	$n \equiv 1, 2349, 4293, \text{ or } 7453 \pmod{9396}$ except $n = 2349, 4293$
29	82	$n \equiv 1, 697, 5249, \text{ or } 5945 \pmod{9512}$ except $n = 697$
29	83	$n \equiv 1, 581, 6641, \text{ or } 7221 \pmod{9628}$ except $n = 581$
29	84	$n \equiv 1, 609, 1393, 3249, 4641, 5713, 7105, \text{ or } 8961 \pmod{9744}$ except $n = 609, 1393, 3249, 4641$
29	85	$n \equiv 1, 2465, 3741, 3945, 4641, 7685, 8381, \text{ or } 8585 \pmod{9860}$ except $n = 2465, 3741, 3945, 4641$
29	86	$n \equiv 1, 1161, 7569, \text{ or } 8729 \pmod{9976}$ except $n = 1161$
29	87	$n \equiv 1, 841, 6729, \text{ or } 7569 \pmod{10092}$ except $n = 841$
29	88	$n \equiv 1, 2465, 7425, \text{ or } 9889 \pmod{10208}$ except $n = 2465$
29	89	$n \equiv 1, 2581, 6409, \text{ or } 6497 \pmod{10324}$ except $n = 2581$
29	90	$n \equiv 1, 145, 1161, 1305, 4321, 5481, 6265, \text{ or } 7425 \pmod{10440}$ except $n = 145, 1161, 1305, 4321$
29	91	$n \equiv 1, 1625, 3017, 3277, 4641, 4901, 6293, \text{ or } 7917 \pmod{10556}$ except $n = 1625, 3017, 3277, 4641, 4901$
29	92	$n \equiv 1, 2001, 4785, \text{ or } 7889 \pmod{10672}$ except $n = 2001, 4785$
29	93	$n \equiv 1, 465, 2233, 2697, 3597, 5829, 7657, \text{ or } 9889 \pmod{10788}$ except $n = 465, 2233, 2697, 3597$
29	94	$n \equiv 1, 377, 3713, \text{ or } 4089 \pmod{10904}$ except $n = 377, 3713, 4089$
29	95	$n \equiv 1, 1045, 2205, 6061, 7221, 8265, 9425, \text{ or } 9861 \pmod{11020}$ except $n = 1045, 2205$
29	96	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{11136}$ except $n = 1537$

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Table 28: Superspectra for  $p = 29$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
29	97	$n \equiv 1, 2813, 5917, \text{ or } 8149 \pmod{11252}$ except $n = 2813$
29	98	$n \equiv 1, 7105, 7889, \text{ or } 10585 \pmod{11368}$
29	99	$n \equiv 1, 1045, 1189, 2233, 6381, 7425, 7569, \text{ or } 8613 \pmod{11484}$ except $n = 1045, 1189, 2233$
29	100	$n \equiv 1, 2001, 7425, \text{ or } 9425 \pmod{11600}$ except $n = 2001$
29	101	$n \equiv 1, 2929, 6061, \text{ or } 8585 \pmod{11716}$ except $n = 2929$
29	102	$n \equiv 1, 697, 3945, 4641, 5713, 6409, 9657, \text{ or } 10353 \pmod{11832}$ except $n = 697, 3945, 4641, 5713$
29	103	$n \equiv 1, 8961, 9889, \text{ or } 11021 \pmod{11948}$
29	104	$n \equiv 1, 3393, 4641, \text{ or } 10817 \pmod{12064}$ except $n = 3393, 4641$
29	105	$n \equiv 1, 841, 2205, 3045, 4641, 5481, 5685, 6265, 6525,$ $7105, 8121, 8701, 8961, 9541, 9745, \text{ or } 10585 \pmod{12180}$ except $n = 841, 2205, 3045, 4641, 5481, 5685$
29	106	$n \equiv 1, 1537, 3393, \text{ or } 10441 \pmod{12296}$ except $n = 1537, 3393$
29	107	$n \equiv 1, 9309, 10701, \text{ or } 11021 \pmod{12412}$
29	108	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{12528}$ except $n = 4321$
29	109	$n \equiv 1, 3161, 3597, \text{ or } 12209 \pmod{12644}$ except $n = 3161, 3597$
29	110	$n \equiv 1, 2321, 2465, 4785, 5105, 7425, 10121, \text{ or } 12441 \pmod{12760}$ except $n = 2321, 2465, 4785, 5105$
29	111	$n \equiv 1, 2553, 4293, 5365, 7105, 9657, 11137, \text{ or } 11397 \pmod{12876}$ except $n = 2553, 4293, 5365$
29	112	$n \equiv 1, 7105, 8961, \text{ or } 11137 \pmod{12992}$
29	113	$n \equiv 1, 3277, 7685, \text{ or } 8701 \pmod{13108}$ except $n = 3277$
29	114	$n \equiv 1, 609, 3249, 5017, 7657, 8265, 8817, \text{ or } 12673 \pmod{13224}$ except $n = 609, 3249, 5017$
29	115	$n \equiv 1, 2001, 4785, 5221, 8005, 10005, 10121, \text{ or } 13225 \pmod{13340}$ except $n = 2001, 4785, 5221$
29	116	$n \equiv 1 \text{ or } 7569 \pmod{13456}$

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Table 28: Superspectra for  $p = 29$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
29	117	$n \equiv 1, 117, 261, 3133, 3277, 3393, 6409, \text{ or } 10557 \pmod{13572}$ except $n = 117, 261, 3133, 3277, 3393, 6409$
29	118	$n \equiv 1, 3481, 8497, \text{ or } 11977 \pmod{13688}$ except $n = 3481$
29	119	$n \equiv 1, 2465, 4641, 5713, 7889, 10353, 10557, \text{ or } 13601 \pmod{13804}$ except $n = 2465, 4641, 5713$
29	120	$n \equiv 1, 2785, 4321, 4641, 7105, 7425, 8961, \text{ or } 11745 \pmod{13920}$ except $n = 2785, 4321, 4641$
29	121	$n \equiv 1, 3509, 6293, \text{ or } 11253 \pmod{14036}$ except $n = 3509, 6293$
29	122	$n \equiv 1, 1769, 2929, \text{ or } 12993 \pmod{14152}$ except $n = 1769, 2929$
29	123	$n \equiv 1, 493, 697, 1189, 9513, 10005, 10209, \text{ or } 10701 \pmod{14268}$ except $n = 493, 697, 1189$
29	124	$n \equiv 1, 465, 9425, \text{ or } 9889 \pmod{14384}$ except $n = 465$
29	125	$n \equiv 1, 1625, 2001, \text{ or } 3625 \pmod{14500}$ except $n = 1625, 2001, 3625$
29	126	$n \equiv 1, 2233, 3249, 5481, 6265, 9513, 10585, \text{ or } 13833 \pmod{14616}$ except $n = 2233, 3249, 5481, 6265$
29	127	$n \equiv 1, 11049, 12065, \text{ or } 13717 \pmod{14732}$
29	128	$n \equiv 1 \text{ or } 1537 \pmod{14848}$ except $n = 1537$

Table 29: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 30$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	2	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{240}$ except $n = 81$
30	3	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
30	4	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
30	5	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
30	6	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$

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Table 29: Superspectra for  $p = 30$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	7	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
30	8	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
30	9	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
30	10	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
30	11	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
30	12	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
30	13	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
30	14	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
30	15	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
30	16	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
30	17	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
30	18	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
30	19	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
30	20	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
30	21	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
30	22	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
30	23	$n \equiv 1, 345, 921, 1081, 1105, 2001, 2025, \text{ or } 2185 \pmod{2760}$ except $n = 345, 921, 1081, 1105$
30	24	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
30	25	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{3000}$ except $n = 625$

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Table 29: Superspectra for  $p = 30$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	26	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
30	27	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
30	28	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
30	29	$n \equiv 1, 145, 465, 841, 1161, 1305, 2001, \text{ or } 2785 \pmod{3480}$ except $n = 145, 465, 841, 1161, 1305$
30	30	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
30	31	$n \equiv 1, 465, 745, 961, 1705, 2481, 3225, \text{ or } 3441 \pmod{3720}$ except $n = 465, 745, 961, 1705$
30	32	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
30	33	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
30	34	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
30	35	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
30	36	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
30	37	$n \equiv 1, 481, 1185, 1665, 2665, 2961, 3145, \text{ or } 3441 \pmod{4440}$ except $n = 481, 1185, 1665$
30	38	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
30	39	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
30	40	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
30	41	$n \equiv 1, 985, 1641, 1681, 2625, 2665, 3321, \text{ or } 4305 \pmod{4920}$ except $n = 985, 1641, 1681$
30	42	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$

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Table 29: Superspectra for  $p = 30$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	43	$n \equiv 1, 345, 1161, 2065, 2881, 3225, 3441, \text{ or } 4945 \pmod{5160}$ except $n = 345, 1161, 2065$
30	44	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
30	45	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
30	46	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
30	47	$n \equiv 1, 705, 1081, 1881, 2961, 3385, 4465, \text{ or } 5265 \pmod{5640}$ except $n = 705, 1081, 1881$
30	48	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
30	49	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
30	50	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
30	51	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$
30	52	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
30	53	$n \equiv 1, 265, 2121, 2385, 2545, 4081, 4665, \text{ or } 6201 \pmod{6360}$ except $n = 265, 2121, 2385, 2545$
30	54	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
30	55	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
30	56	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
30	57	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
30	58	$n \equiv 1, 145, 465, 2001, 2785, 4321, 4641, \text{ or } 4785 \pmod{6960}$ except $n = 145, 465, 2001, 2785$

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Table 29: Superspectra for  $p = 30$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	59	$n \equiv 1, 945, 2065, 2361, 3481, 4425, 5665, \text{ or } 5841 \pmod{7080}$ except $n = 945, 2065, 2361, 3481$
30	60	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
30	61	$n \equiv 1, 1281, 1465, 2745, 3721, 4881, 5185, \text{ or } 6345 \pmod{7320}$ except $n = 1281, 1465, 2745$
30	62	$n \equiv 1, 465, 961, 2481, 3441, 4465, 5425, \text{ or } 6945 \pmod{7440}$ except $n = 465, 961, 2481, 3441$
30	63	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
30	64	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
30	65	$n \equiv 1, 625, 2601, 3225, 3601, 4225, 6201, \text{ or } 6825 \pmod{7800}$ except $n = 625, 2601, 3225, 3601$
30	66	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
30	67	$n \equiv 1, 201, 2145, 2881, 4825, 5025, 5361, \text{ or } 7705 \pmod{8040}$ except $n = 201, 2145, 2881$
30	68	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
30	69	$n \equiv 1, 1081, 2025, 3105, 3681, 4761, 6625, \text{ or } 7705 \pmod{8280}$ except $n = 1081, 2025, 3105, 3681$
30	70	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
30	71	$n \equiv 1, 1065, 1705, 2841, 4545, 5041, 6745, \text{ or } 7881 \pmod{8520}$ except $n = 1065, 1705, 2841$
30	72	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
30	73	$n \equiv 1, 585, 1825, 3505, 4161, 5841, 7081, \text{ or } 7665 \pmod{8760}$ except $n = 585, 1825, 3505, 4161$
30	74	$n \equiv 1, 481, 1185, 1665, 2961, 3441, 7105, \text{ or } 7585 \pmod{8880}$ except $n = 481, 1185, 1665, 2961, 3441$

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Table 29: Superspectra for  $p = 30$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	75	$n \equiv 1, 5625, 6625, \text{ or } 8001 \pmod{9000}$
30	76	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
30	77	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
30	78	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
30	79	$n \equiv 1, 1185, 3081, 4345, 4425, 6241, 6321, \text{ or } 7585 \pmod{9480}$ except $n = 1185, 3081, 4345, 4425$
30	80	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
30	81	$n \equiv 1, 1945, 6561, \text{ or } 8505 \pmod{9720}$ except $n = 1945$
30	82	$n \equiv 1, 1681, 2625, 4305, 5905, 6561, 7585, \text{ or } 8241 \pmod{9840}$ except $n = 1681, 2625, 4305$
30	83	$n \equiv 1, 2241, 2905, 3321, 3985, 6225, 7305, \text{ or } 8881 \pmod{9960}$ except $n = 2241, 2905, 3321, 3985$
30	84	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
30	85	$n \equiv 1, 1225, 2601, 3825, 6001, 6801, 7225, \text{ or } 8025 \pmod{10200}$ except $n = 1225, 2601, 3825$
30	86	$n \equiv 1, 2065, 2881, 3441, 4945, 5505, 6321, \text{ or } 8385 \pmod{10320}$ except $n = 2065, 2881, 3441, 4945$
30	87	$n \equiv 1, 145, 1161, 1305, 4321, 5481, 6265, \text{ or } 7425 \pmod{10440}$ except $n = 145, 1161, 1305, 4321$
30	88	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
30	89	$n \equiv 1, 801, 1425, 3561, 5785, 7921, 8545, \text{ or } 9345 \pmod{10680}$ except $n = 801, 1425, 3561$
30	90	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$

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Table 29: Superspectra for  $p = 30$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	91	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
30	92	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
30	93	$n \equiv 1, 4185, 4465, 4681, 6201, 9145, 10665, \text{ or } 10881 \pmod{11160}$ except $n = 4185, 4465, 4681$
30	94	$n \equiv 1, 705, 2961, 4465, 5265, 6721, 7521, \text{ or } 9025 \pmod{11280}$ except $n = 705, 2961, 4465, 5265$
30	95	$n \equiv 1, 1425, 1825, 3801, 5625, 7201, 9025, \text{ or } 11001 \pmod{11400}$ except $n = 1425, 1825, 3801, 5625$
30	96	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
30	97	$n \equiv 1, 2425, 3105, 3201, 6985, 7081, 7761, \text{ or } 10185 \pmod{11640}$ except $n = 2425, 3105, 3201$
30	98	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
30	99	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
30	100	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
30	101	$n \equiv 1, 505, 2121, 2425, 4041, 4545, 6465, \text{ or } 10201 \pmod{12120}$ except $n = 505, 2121, 2425, 4041, 4545$
30	102	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
30	103	$n \equiv 1, 721, 825, 1545, 4945, 5665, 8241, \text{ or } 8961 \pmod{12360}$ except $n = 721, 825, 1545, 4945, 5665$
30	104	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
30	105	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$

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Table 29: Superspectra for  $p = 30$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	106	$n \equiv 1, 2385, 2545, 4081, 6625, 8481, 11025, \text{ or } 12561 \pmod{12720}$ except $n = 2385, 2545, 4081$
30	107	$n \equiv 1, 321, 3745, 4281, 7705, 8025, 8881, \text{ or } 11985 \pmod{12840}$ except $n = 321, 3745, 4281$
30	108	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
30	109	$n \equiv 1, 4905, 6105, 7521, 8721, 9265, 10465, \text{ or } 11881 \pmod{13080}$ except $n = 4905, 6105$
30	110	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
30	111	$n \equiv 1, 1665, 2665, 2961, 5625, 9361, 12025, \text{ or } 12321 \pmod{13320}$ except $n = 1665, 2665, 2961, 5625$
30	112	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
30	113	$n \equiv 1, 1921, 4521, 5425, 6441, 7345, 9945, \text{ or } 11865 \pmod{13560}$ except $n = 1921, 4521, 5425, 6441$
30	114	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
30	115	$n \equiv 1, 2001, 2025, 6601, 6625, 8625, 9201, \text{ or } 13225 \pmod{13800}$ except $n = 2001, 2025, 6601, 6625$
30	116	$n \equiv 1, 2785, 4321, 4641, 7105, 7425, 8961, \text{ or } 11745 \pmod{13920}$ except $n = 2785, 4321, 4641$
30	117	$n \equiv 1, 5265, 6345, 7345, 8425, 10881, 11961, \text{ or } 12961 \pmod{14040}$ except $n = 5265, 6345$
30	118	$n \equiv 1, 945, 2065, 5665, 5841, 9441, 10561, \text{ or } 11505 \pmod{14160}$ except $n = 945, 2065, 5665, 5841$
30	119	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
30	120	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$

*continued on next page*

Table 29: Superspectra for  $p = 30$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
30	121	$n \equiv 1, 121, 2905, 3025, 9681, 9801, 12585, \text{ or } 12705 \pmod{14520}$ except $n = 121, 2905, 3025$
30	122	$n \equiv 1, 1281, 4881, 5185, 8785, 10065, 11041, \text{ or } 13665 \pmod{14640}$ except $n = 1281, 4881, 5185$
30	123	$n \equiv 1, 2665, 3321, 5905, 6561, 9225, 11521, \text{ or } 12465 \pmod{14760}$ except $n = 2665, 3321, 5905, 6561$
30	124	$n \equiv 1, 961, 6945, 7905, 9921, 10881, 11905, \text{ or } 12865 \pmod{14880}$ except $n = 961, 6945$
30	125	$n \equiv 1, 625, 5001, \text{ or } 5625 \pmod{15000}$ except $n = 625, 5001, 5625$
30	126	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
30	127	$n \equiv 1, 1905, 4065, 6985, 8001, 9145, 10161, \text{ or } 13081 \pmod{15240}$ except $n = 1905, 4065, 6985$
30	128	$n \equiv 1, 5121, 6145, \text{ or } 11265 \pmod{15360}$ except $n = 5121, 6145$

Table 30: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 31$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
31	2	$n \equiv 1 \text{ or } 217 \pmod{248}$
31	3	$n \equiv 1, 93, 217, \text{ or } 249 \pmod{372}$ except $n = 93$
31	4	$n \equiv 1 \text{ or } 465 \pmod{496}$
31	5	$n \equiv 1, 125, 341, \text{ or } 465 \pmod{620}$ except $n = 125$
31	6	$n \equiv 1, 217, 249, \text{ or } 465 \pmod{744}$ except $n = 217, 249$
31	7	$n \equiv 1, 217, 497, \text{ or } 589 \pmod{868}$ except $n = 217$
31	8	$n \equiv 1 \text{ or } 961 \pmod{992}$
31	9	$n \equiv 1, 217, 621, \text{ or } 837 \pmod{1116}$ except $n = 217$

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Table 30: Superspectra for  $p = 31$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
31	10	$n \equiv 1, 465, 745, \text{ or } 961 \pmod{1240}$ except $n = 465$
31	11	$n \equiv 1, 341, 837, \text{ or } 869 \pmod{1364}$ except $n = 341$
31	12	$n \equiv 1, 465, 961, \text{ or } 993 \pmod{1488}$ except $n = 465$
31	13	$n \equiv 1, 1209, 1365, \text{ or } 1457 \pmod{1612}$
31	14	$n \equiv 1, 217, 497, \text{ or } 1457 \pmod{1736}$ except $n = 217, 497$
31	15	$n \equiv 1, 465, 621, 745, 961, 1365, 1581, \text{ or } 1705 \pmod{1860}$ except $n = 465, 621, 745$
31	16	$n \equiv 1 \text{ or } 961 \pmod{1984}$ except $n = 961$
31	17	$n \equiv 1, 341, 1241, \text{ or } 1581 \pmod{2108}$ except $n = 341$
31	18	$n \equiv 1, 217, 1737, \text{ or } 1953 \pmod{2232}$ except $n = 217$
31	19	$n \equiv 1, 589, 837, \text{ or } 2109 \pmod{2356}$ except $n = 589, 837$
31	20	$n \equiv 1, 465, 961, \text{ or } 1985 \pmod{2480}$ except $n = 465, 961$
31	21	$n \equiv 1, 217, 589, 1365, 1737, 1953, 2233, \text{ or } 2325 \pmod{2604}$ except $n = 217, 589$
31	22	$n \equiv 1, 1705, 2201, \text{ or } 2233 \pmod{2728}$
31	23	$n \equiv 1, 93, 621, \text{ or } 713 \pmod{2852}$ except $n = 93, 621, 713$
31	24	$n \equiv 1, 961, 993, \text{ or } 1953 \pmod{2976}$ except $n = 961, 993$
31	25	$n \equiv 1, 125, 2201, \text{ or } 2325 \pmod{3100}$ except $n = 125$
31	26	$n \equiv 1, 1209, 1457, \text{ or } 2977 \pmod{3224}$ except $n = 1209, 1457$
31	27	$n \equiv 1, 217, 621, \text{ or } 837 \pmod{3348}$ except $n = 217, 621, 837$
31	28	$n \equiv 1, 497, 1457, \text{ or } 1953 \pmod{3472}$ except $n = 497, 1457$
31	29	$n \equiv 1, 465, 2233, \text{ or } 2697 \pmod{3596}$ except $n = 465$
31	30	$n \equiv 1, 465, 745, 961, 1705, 2481, 3225, \text{ or } 3441 \pmod{3720}$ except $n = 465, 745, 961, 1705$
31	31	$n \equiv 1 \text{ or } 961 \pmod{3844}$ except $n = 961$
31	32	$n \equiv 1 \text{ or } 2945 \pmod{3968}$

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Table 30: Superspectra for  $p = 31$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
31	33	$n \equiv 1, 837, 1365, 1705, 2233, 3069, 3565, \text{ or } 3597 \pmod{4092}$ except $n = 837, 1365, 1705$
31	34	$n \equiv 1, 1241, 2449, \text{ or } 3689 \pmod{4216}$ except $n = 1241$
31	35	$n \equiv 1, 1085, 1365, 2325, 2605, 2821, 3101, \text{ or } 4061 \pmod{4340}$ except $n = 1085, 1365$
31	36	$n \equiv 1, 1953, 2449, \text{ or } 3969 \pmod{4464}$ except $n = 1953$
31	37	$n \equiv 1, 1333, 2109, \text{ or } 3441 \pmod{4588}$ except $n = 1333, 2109$
31	38	$n \equiv 1, 2945, 3193, \text{ or } 4465 \pmod{4712}$
31	39	$n \equiv 1, 1209, 1365, 2821, 2977, 3069, 3225, \text{ or } 4681 \pmod{4836}$ except $n = 1209, 1365$
31	40	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{4960}$ except $n = 961, 1985$
31	41	$n \equiv 1, 3813, 3937, \text{ or } 4961 \pmod{5084}$
31	42	$n \equiv 1, 217, 1737, 1953, 2233, 3193, 3969, \text{ or } 4929 \pmod{5208}$ except $n = 217, 1737, 1953, 2233$
31	43	$n \equiv 1, 1333, 3225, \text{ or } 3441 \pmod{5332}$ except $n = 1333$
31	44	$n \equiv 1, 4433, 4929, \text{ or } 4961 \pmod{5456}$
31	45	$n \equiv 1, 621, 3565, 4185, 4465, 4681, 5085, \text{ or } 5301 \pmod{5580}$ except $n = 621$
31	46	$n \equiv 1, 713, 2945, \text{ or } 3473 \pmod{5704}$ except $n = 713$
31	47	$n \equiv 1, 1457, 2821, \text{ or } 4465 \pmod{5828}$ except $n = 1457, 2821$
31	48	$n \equiv 1, 961, 3969, \text{ or } 4929 \pmod{5952}$ except $n = 961$
31	49	$n \equiv 1, 589, 3969, \text{ or } 4557 \pmod{6076}$ except $n = 589$
31	50	$n \equiv 1, 2201, 3225, \text{ or } 5425 \pmod{6200}$ except $n = 2201$
31	51	$n \equiv 1, 1581, 2109, 2449, 3349, 4557, 5457, \text{ or } 5797 \pmod{6324}$ except $n = 1581, 2109, 2449$
31	52	$n \equiv 1, 1457, 2977, \text{ or } 4433 \pmod{6448}$ except $n = 1457, 2977$
31	53	$n \equiv 1, 4929, 5301, \text{ or } 6201 \pmod{6572}$

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Table 30: Superspectra for  $p = 31$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
31	54	$n \equiv 1, 217, 3969, \text{ or } 4185 \pmod{6696}$ except $n = 217$
31	55	$n \equiv 1, 341, 1365, 1705, 2201, 3565, 4961, \text{ or } 6325 \pmod{6820}$ except $n = 341, 1365, 1705, 2201$
31	56	$n \equiv 1, 1953, 3969, \text{ or } 4929 \pmod{6944}$ except $n = 1953$
31	57	$n \equiv 1, 589, 837, 2109, 3193, 4465, 4713, \text{ or } 5301 \pmod{7068}$ except $n = 589, 837, 2109, 3193$
31	58	$n \equiv 1, 465, 2233, \text{ or } 2697 \pmod{7192}$ except $n = 465, 2233, 2697$
31	59	$n \equiv 1, 1829, 3069, \text{ or } 6077 \pmod{7316}$ except $n = 1829, 3069$
31	60	$n \equiv 1, 465, 961, 2481, 3441, 4465, 5425, \text{ or } 6945 \pmod{7440}$ except $n = 465, 961, 2481, 3441$
31	61	$n \equiv 1, 1953, 3721, \text{ or } 5673 \pmod{7564}$ except $n = 1953, 3721$
31	62	$n \equiv 1 \text{ or } 961 \pmod{7688}$ except $n = 961$
31	63	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 5797, \text{ or } 7533 \pmod{7812}$ except $n = 217, 1737, 1953, 2233$
31	64	$n \equiv 1 \text{ or } 6913 \pmod{7936}$
31	65	$n \equiv 1, 1365, 2821, 3225, 4681, 6045, 6201, \text{ or } 7905 \pmod{8060}$ except $n = 1365, 2821, 3225$
31	66	$n \equiv 1, 1705, 2233, 4929, 5457, 7161, 7657, \text{ or } 7689 \pmod{8184}$ except $n = 1705, 2233$
31	67	$n \equiv 1, 2077, 4557, \text{ or } 5829 \pmod{8308}$ except $n = 2077$
31	68	$n \equiv 1, 2449, 5457, \text{ or } 7905 \pmod{8432}$ except $n = 2449$
31	69	$n \equiv 1, 93, 621, 2853, 3565, 5797, 6325, \text{ or } 6417 \pmod{8556}$ except $n = 93, 621, 2853, 3565$
31	70	$n \equiv 1, 5425, 5705, 6665, 6945, 7161, 7441, \text{ or } 8401 \pmod{8680}$
31	71	$n \equiv 1, 497, 1705, \text{ or } 2201 \pmod{8804}$ except $n = 497, 1705, 2201$
31	72	$n \equiv 1, 1953, 3969, \text{ or } 6913 \pmod{8928}$ except $n = 1953, 3969$
31	73	$n \equiv 1, 1241, 5549, \text{ or } 6789 \pmod{9052}$ except $n = 1241$

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Table 30: Superspectra for  $p = 31$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
31	74	$n \equiv 1, 3441, 5921, \text{ or } 6697 \pmod{9176}$ except $n = 3441$
31	75	$n \equiv 1, 2325, 3225, 5301, 5425, 6201, 6325, \text{ or } 8401 \pmod{9300}$ except $n = 2325, 3225$
31	76	$n \equiv 1, 2945, 4465, \text{ or } 7905 \pmod{9424}$ except $n = 2945, 4465$
31	77	$n \equiv 1, 869, 1365, 2233, 4929, 5797, 6293, \text{ or } 7161 \pmod{9548}$ except $n = 869, 1365, 2233$
31	78	$n \equiv 1, 1209, 2977, 3225, 4681, 6201, 7657, \text{ or } 7905 \pmod{9672}$ except $n = 1209, 2977, 3225, 4681$
31	79	$n \equiv 1, 869, 1581, \text{ or } 2449 \pmod{9796}$ except $n = 869, 1581, 2449$
31	80	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{9920}$ except $n = 961, 1985, 2945$
31	81	$n \equiv 1, 3565, 3969, \text{ or } 7533 \pmod{10044}$ except $n = 3565, 3969$
31	82	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{10168}$ except $n = 3937, 4961$
31	83	$n \equiv 1, 249, 2325, \text{ or } 2573 \pmod{10292}$ except $n = 249, 2325, 2573$
31	84	$n \equiv 1, 1953, 3969, 4929, 5425, 6945, 7441, \text{ or } 8401 \pmod{10416}$ except $n = 1953, 3969, 4929$
31	85	$n \equiv 1, 341, 1241, 1581, 6325, 6665, 7565, \text{ or } 7905 \pmod{10540}$ except $n = 341, 1241, 1581$
31	86	$n \equiv 1, 3225, 3441, \text{ or } 6665 \pmod{10664}$ except $n = 3225, 3441$
31	87	$n \equiv 1, 465, 2233, 2697, 3597, 5829, 7657, \text{ or } 9889 \pmod{10788}$ except $n = 465, 2233, 2697, 3597$
31	88	$n \equiv 1, 4929, 4961, \text{ or } 9889 \pmod{10912}$ except $n = 4929, 4961$
31	89	$n \equiv 1, 713, 7565, \text{ or } 8277 \pmod{11036}$ except $n = 713$
31	90	$n \equiv 1, 4185, 4465, 4681, 6201, 9145, 10665, \text{ or } 10881 \pmod{11160}$ except $n = 4185, 4465, 4681$
31	91	$n \equiv 1, 1365, 1457, 2821, 4837, 6293, 7813, \text{ or } 9269 \pmod{11284}$ except $n = 1365, 1457, 2821, 4837$
31	92	$n \equiv 1, 2945, 3473, \text{ or } 6417 \pmod{11408}$ except $n = 2945, 3473$
31	93	$n \equiv 1, 961, 7689, \text{ or } 8649 \pmod{11532}$ except $n = 961$

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Table 30: Superspectra for  $p = 31$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
31	94	$n \equiv 1, 1457, 4465, \text{ or } 8649 \pmod{11656}$ except $n = 1457, 4465$
31	95	$n \equiv 1, 2945, 4465, 5301, 6821, 7905, 9425, \text{ or } 10261 \pmod{11780}$ except $n = 2945, 4465, 5301$
31	96	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{11904}$ except $n = 3969$
31	97	$n \equiv 1, 9021, 9797, \text{ or } 11253 \pmod{12028}$
31	98	$n \equiv 1, 3969, 6665, \text{ or } 10633 \pmod{12152}$ except $n = 3969$
31	99	$n \equiv 1, 837, 2233, 3069, 3565, 5797, 9549, \text{ or } 11781 \pmod{12276}$ except $n = 837, 2233, 3069, 3565, 5797$
31	100	$n \equiv 1, 5425, 8401, \text{ or } 9425 \pmod{12400}$ except $n = 5425$
31	101	$n \equiv 1, 9393, 9797, \text{ or } 12121 \pmod{12524}$
31	102	$n \equiv 1, 2449, 5457, 7905, 8433, 9673, 10881, \text{ or } 12121 \pmod{12648}$ except $n = 2449, 5457$
31	103	$n \equiv 1, 3193, 6077, \text{ or } 9889 \pmod{12772}$ except $n = 3193, 6077$
31	104	$n \equiv 1, 2977, 7905, \text{ or } 10881 \pmod{12896}$ except $n = 2977$
31	105	$n \equiv 1, 1365, 2325, 2605, 2821, 4341, 5425, 6945, 7161,$ $7441, 8401, 9765, 10045, 11005, 11781, \text{ or } 12741 \pmod{13020}$ except $n = 1365, 2325, 2605, 2821, 4341, 5425$
31	106	$n \equiv 1, 4929, 6201, \text{ or } 11873 \pmod{13144}$ except $n = 4929, 6201$
31	107	$n \equiv 1, 3317, 5457, \text{ or } 11129 \pmod{13268}$ except $n = 3317, 5457$
31	108	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{13392}$ except $n = 3969$
31	109	$n \equiv 1, 3597, 6541, \text{ or } 10137 \pmod{13516}$ except $n = 3597, 6541$
31	110	$n \equiv 1, 1705, 2201, 4961, 7161, 8185, 10385, \text{ or } 13145 \pmod{13640}$ except $n = 1705, 2201, 4961$
31	111	$n \equiv 1, 1333, 2109, 3441, 6697, 8029, 9177, \text{ or } 10509 \pmod{13764}$ except $n = 1333, 2109, 3441, 6697$
31	112	$n \equiv 1, 3969, 4929, \text{ or } 8897 \pmod{13888}$ except $n = 3969, 4929$
31	113	$n \equiv 1, 5085, 5425, \text{ or } 10509 \pmod{14012}$ except $n = 5085, 5425$

*continued on next page*

Table 30: Superspectra for  $p = 31$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
31	114	$n \equiv 1, 3193, 4465, 4713, 7657, 7905, 9177, \text{ or } 12369 \pmod{14136}$ except $n = 3193, 4465, 4713$
31	115	$n \equiv 1, 621, 2945, 3565, 5705, 6325, 11501, \text{ or } 12121 \pmod{14260}$ except $n = 621, 2945, 3565, 5705, 6325$
31	116	$n \equiv 1, 465, 9425, \text{ or } 9889 \pmod{14384}$ except $n = 465$
31	117	$n \equiv 1, 3069, 4681, 6201, 7813, 10881, 12493, \text{ or } 12897 \pmod{14508}$ except $n = 3069, 4681, 6201$
31	118	$n \equiv 1, 9145, 10385, \text{ or } 13393 \pmod{14632}$
31	119	$n \equiv 1, 3689, 4557, 5797, 6665, 11781, 12649, \text{ or } 13889 \pmod{14756}$ except $n = 3689, 4557, 5797, 6665$
31	120	$n \equiv 1, 961, 6945, 7905, 9921, 10881, 11905, \text{ or } 12865 \pmod{14880}$ except $n = 961, 6945$
31	121	$n \equiv 1, 4961, 6293, \text{ or } 11253 \pmod{15004}$ except $n = 4961, 6293$
31	122	$n \equiv 1, 1953, 3721, \text{ or } 5673 \pmod{15128}$ except $n = 1953, 3721, 5673$
31	123	$n \equiv 1, 3813, 3937, 5085, 9021, 10045, 13981, \text{ or } 15129 \pmod{15252}$ except $n = 3813, 3937, 5085$
31	124	$n \equiv 1 \text{ or } 961 \pmod{15376}$ except $n = 961$
31	125	$n \equiv 1, 125, 11501, \text{ or } 11625 \pmod{15500}$ except $n = 125$
31	126	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 13609, \text{ or } 15345 \pmod{15624}$ except $n = 217, 1737, 1953, 2233, 3969$
31	127	$n \equiv 1, 3937, 9145, \text{ or } 10541 \pmod{15748}$ except $n = 3937$
31	128	$n \equiv 1 \text{ or } 14849 \pmod{15872}$

Table 31: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 32$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
32	2	$n \equiv 1 \pmod{256}$
32	3	$n \equiv 1$ or $129 \pmod{384}$ except $n = 129$
32	4	$n \equiv 1 \pmod{512}$
32	5	$n \equiv 1$ or $385 \pmod{640}$
32	6	$n \equiv 1$ or $513 \pmod{768}$
32	7	$n \equiv 1$ or $385 \pmod{896}$ except $n = 385$
32	8	$n \equiv 1 \pmod{1024}$
32	9	$n \equiv 1$ or $513 \pmod{1152}$ except $n = 513$
32	10	$n \equiv 1$ or $1025 \pmod{1280}$
32	11	$n \equiv 1$ or $385 \pmod{1408}$ except $n = 385$
32	12	$n \equiv 1$ or $513 \pmod{1536}$ except $n = 513$
32	13	$n \equiv 1$ or $897 \pmod{1664}$
32	14	$n \equiv 1$ or $1281 \pmod{1792}$
32	15	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
32	16	$n \equiv 1 \pmod{2048}$
32	17	$n \equiv 1$ or $1921 \pmod{2176}$
32	18	$n \equiv 1$ or $513 \pmod{2304}$ except $n = 513$
32	19	$n \equiv 1$ or $513 \pmod{2432}$ except $n = 513$
32	20	$n \equiv 1$ or $1025 \pmod{2560}$ except $n = 1025$
32	21	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
32	22	$n \equiv 1$ or $1793 \pmod{2816}$
32	23	$n \equiv 1$ or $897 \pmod{2944}$ except $n = 897$
32	24	$n \equiv 1$ or $2049 \pmod{3072}$
32	25	$n \equiv 1$ or $1025 \pmod{3200}$ except $n = 1025$
32	26	$n \equiv 1$ or $2561 \pmod{3328}$

*continued on next page*

Table 31: Superspectra for  $p = 32$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
32	27	$n \equiv 1$ or $513 \pmod{3456}$ except $n = 513$
32	28	$n \equiv 1$ or $3073 \pmod{3584}$
32	29	$n \equiv 1$ or $1537 \pmod{3712}$ except $n = 1537$
32	30	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
32	31	$n \equiv 1$ or $2945 \pmod{3968}$
32	32	$n \equiv 1 \pmod{4096}$
32	33	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
32	34	$n \equiv 1$ or $4097 \pmod{4352}$
32	35	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
32	36	$n \equiv 1$ or $513 \pmod{4608}$ except $n = 513$
32	37	$n \equiv 1$ or $1665 \pmod{4736}$ except $n = 1665$
32	38	$n \equiv 1$ or $513 \pmod{4864}$ except $n = 513$
32	39	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
32	40	$n \equiv 1$ or $1025 \pmod{5120}$ except $n = 1025$
32	41	$n \equiv 1$ or $1025 \pmod{5248}$ except $n = 1025$
32	42	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
32	43	$n \equiv 1$ or $129 \pmod{5504}$ except $n = 129$
32	44	$n \equiv 1$ or $4609 \pmod{5632}$
32	45	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
32	46	$n \equiv 1$ or $3841 \pmod{5888}$
32	47	$n \equiv 1$ or $3713 \pmod{6016}$
32	48	$n \equiv 1$ or $2049 \pmod{6144}$ except $n = 2049$
32	49	$n \equiv 1$ or $3969 \pmod{6272}$
32	50	$n \equiv 1$ or $1025 \pmod{6400}$ except $n = 1025$
32	51	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$

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Table 31: Superspectra for  $p = 32$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
32	52	$n \equiv 1$ or $2561 \pmod{6656}$ except $n = 2561$
32	53	$n \equiv 1$ or $1537 \pmod{6784}$ except $n = 1537$
32	54	$n \equiv 1$ or $513 \pmod{6912}$ except $n = 513$
32	55	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
32	56	$n \equiv 1$ or $3073 \pmod{7168}$ except $n = 3073$
32	57	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
32	58	$n \equiv 1$ or $1537 \pmod{7424}$ except $n = 1537$
32	59	$n \equiv 1$ or $6785 \pmod{7552}$
32	60	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
32	61	$n \equiv 1$ or $1281 \pmod{7808}$ except $n = 1281$
32	62	$n \equiv 1$ or $6913 \pmod{7936}$
32	63	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
32	64	$n \equiv 1 \pmod{8192}$
32	65	$n \equiv 1, 1665, 2561, \text{ or } 4225 \pmod{8320}$ except $n = 1665, 2561$
32	66	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
32	67	$n \equiv 1$ or $7169 \pmod{8576}$
32	68	$n \equiv 1$ or $4097 \pmod{8704}$ except $n = 4097$
32	69	$n \equiv 1, 897, 3841, \text{ or } 5889 \pmod{8832}$ except $n = 897, 3841$
32	70	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
32	71	$n \equiv 1$ or $8449 \pmod{9088}$
32	72	$n \equiv 1$ or $5121 \pmod{9216}$
32	73	$n \equiv 1$ or $8833 \pmod{9344}$
32	74	$n \equiv 1$ or $6401 \pmod{9472}$
32	75	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
32	76	$n \equiv 1$ or $513 \pmod{9728}$ except $n = 513$

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Table 31: Superspectra for  $p = 32$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
32	77	$n \equiv 1, 385, 1793, \text{ or } 8449 \pmod{9856}$ except $n = 385, 1793$
32	78	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
32	79	$n \equiv 1 \text{ or } 3713 \pmod{10112}$ except $n = 3713$
32	80	$n \equiv 1 \text{ or } 6145 \pmod{10240}$
32	81	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
32	82	$n \equiv 1 \text{ or } 1025 \pmod{10496}$ except $n = 1025$
32	83	$n \equiv 1 \text{ or } 7553 \pmod{10624}$
32	84	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$
32	85	$n \equiv 1, 1921, 8705, \text{ or } 10625 \pmod{10880}$ except $n = 1921$
32	86	$n \equiv 1 \text{ or } 5633 \pmod{11008}$
32	87	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{11136}$ except $n = 1537$
32	88	$n \equiv 1 \text{ or } 10241 \pmod{11264}$
32	89	$n \equiv 1 \text{ or } 9345 \pmod{11392}$
32	90	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
32	91	$n \equiv 1, 897, 6657, \text{ or } 7553 \pmod{11648}$ except $n = 897$
32	92	$n \equiv 1 \text{ or } 9729 \pmod{11776}$
32	93	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{11904}$ except $n = 3969$
32	94	$n \equiv 1 \text{ or } 9729 \pmod{12032}$
32	95	$n \equiv 1, 2945, 4865, \text{ or } 10241 \pmod{12160}$ except $n = 2945, 4865$
32	96	$n \equiv 1 \text{ or } 8193 \pmod{12288}$
32	97	$n \equiv 1 \text{ or } 3201 \pmod{12416}$ except $n = 3201$
32	98	$n \equiv 1 \text{ or } 10241 \pmod{12544}$
32	99	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
32	100	$n \equiv 1 \text{ or } 1025 \pmod{12800}$ except $n = 1025$
32	101	$n \equiv 1 \text{ or } 11009 \pmod{12928}$

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Table 31: Superspectra for  $p = 32$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
32	102	$n \equiv 1, 4353, 8449, \text{ or } 12801 \pmod{13056}$ except $n = 4353$
32	103	$n \equiv 1 \text{ or } 8961 \pmod{13184}$
32	104	$n \equiv 1 \text{ or } 9217 \pmod{13312}$
32	105	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
32	106	$n \equiv 1 \text{ or } 1537 \pmod{13568}$ except $n = 1537$
32	107	$n \equiv 1 \text{ or } 7169 \pmod{13696}$
32	108	$n \equiv 1 \text{ or } 513 \pmod{13824}$ except $n = 513$
32	109	$n \equiv 1 \text{ or } 11009 \pmod{13952}$
32	110	$n \equiv 1, 7425, 10241, \text{ or } 11265 \pmod{14080}$
32	111	$n \equiv 1, 1665, 4737, \text{ or } 11137 \pmod{14208}$ except $n = 1665, 4737$
32	112	$n \equiv 1 \text{ or } 10241 \pmod{14336}$
32	113	$n \equiv 1 \text{ or } 1921 \pmod{14464}$ except $n = 1921$
32	114	$n \equiv 1, 513, 5377, \text{ or } 9729 \pmod{14592}$ except $n = 513, 5377$
32	115	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{14720}$ except $n = 2945, 3841, 6785$
32	116	$n \equiv 1 \text{ or } 1537 \pmod{14848}$ except $n = 1537$
32	117	$n \equiv 1, 1665, 9217, \text{ or } 10881 \pmod{14976}$ except $n = 1665$
32	118	$n \equiv 1 \text{ or } 14337 \pmod{15104}$
32	119	$n \equiv 1, 2177, 6273, \text{ or } 8449 \pmod{15232}$ except $n = 2177, 6273$
32	120	$n \equiv 1, 5121, 6145, \text{ or } 11265 \pmod{15360}$ except $n = 5121, 6145$
32	121	$n \equiv 1 \text{ or } 8833 \pmod{15488}$
32	122	$n \equiv 1 \text{ or } 1281 \pmod{15616}$ except $n = 1281$
32	123	$n \equiv 1, 6273, 10497, \text{ or } 11521 \pmod{15744}$ except $n = 6273$
32	124	$n \equiv 1 \text{ or } 14849 \pmod{15872}$
32	125	$n \equiv 1 \text{ or } 10625 \pmod{16000}$
32	126	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$

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Table 31: Superspectra for  $p = 32$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
32	127	$n \equiv 1$ or $16129 \pmod{16256}$
32	128	$n \equiv 1 \pmod{16384}$

Table 32: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 33$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	2	$n \equiv 1, 33, 121, \text{ or } 177 \pmod{264}$ except $n = 33, 121$
33	3	$n \equiv 1, 45, 253, \text{ or } 297 \pmod{396}$ except $n = 45$
33	4	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
33	5	$n \equiv 1, 45, 121, 165, 265, 385, 441, \text{ or } 561 \pmod{660}$ except $n = 45, 121, 165, 265$
33	6	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
33	7	$n \equiv 1, 133, 253, 309, 385, 441, 561, \text{ or } 693 \pmod{924}$ except $n = 133, 253, 309, 385, 441$
33	8	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
33	9	$n \equiv 1, 297, 649, \text{ or } 837 \pmod{1188}$ except $n = 297$
33	10	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
33	11	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{1452}$ except $n = 121$
33	12	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
33	13	$n \equiv 1, 429, 573, 781, 793, 1353, 1365, \text{ or } 1573 \pmod{1716}$ except $n = 429, 573, 781, 793$
33	14	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
33	15	$n \equiv 1, 45, 441, 1045, 1441, 1485, 1585, \text{ or } 1881 \pmod{1980}$ except $n = 45, 441$

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Table 32: Superspectra for  $p = 33$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	16	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
33	17	$n \equiv 1, 561, 969, 1089, 1309, 1497, 1717, \text{ or } 1837 \pmod{2244}$ except $n = 561, 969, 1089$
33	18	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
33	19	$n \equiv 1, 133, 837, 913, 969, 1045, 1749, \text{ or } 1881 \pmod{2508}$ except $n = 133, 837, 913, 969, 1045$
33	20	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
33	21	$n \equiv 1, 253, 441, 693, 1233, 1485, 1981, \text{ or } 2233 \pmod{2772}$ except $n = 253, 441, 693, 1233$
33	22	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{2904}$ except $n = 121, 969, 1089$
33	23	$n \equiv 1, 253, 529, 1749, 2025, 2277, 2553, \text{ or } 2761 \pmod{3036}$ except $n = 253, 529$
33	24	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
33	25	$n \equiv 1, 825, 925, 1101, 2025, 2101, 3025, \text{ or } 3201 \pmod{3300}$ except $n = 825, 925, 1101$
33	26	$n \equiv 1, 793, 1353, 2145, 2289, 2497, 3081, \text{ or } 3289 \pmod{3432}$ except $n = 793, 1353$
33	27	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{3564}$ except $n = 649$
33	28	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
33	29	$n \equiv 1, 957, 1045, 1189, 2233, 2553, 3597, \text{ or } 3741 \pmod{3828}$ except $n = 957, 1045, 1189$
33	30	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
33	31	$n \equiv 1, 837, 1365, 1705, 2233, 3069, 3565, \text{ or } 3597 \pmod{4092}$ except $n = 837, 1365, 1705$
33	32	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$

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Table 32: Superspectra for  $p = 33$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	33	$n \equiv 1, 1089, 2421, \text{ or } 3025 \pmod{4356}$ except $n = 1089$
33	34	$n \equiv 1, 561, 969, 1089, 1497, 3553, 3961, \text{ or } 4081 \pmod{4488}$ except $n = 561, 969, 1089, 1497$
33	35	$n \equiv 1, 385, 441, 561, 925, 1365, 1485, 1981, 2101,$ $2541, 2905, 3025, 3081, 3465, 4005, \text{ or } 4081 \pmod{4620}$ except $n = 385, 441, 561, 925, 1365, 1485, 1981, 2101$
33	36	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
33	37	$n \equiv 1, 297, 925, 1221, 1629, 2553, 3553, \text{ or } 4477 \pmod{4884}$ except $n = 297, 925, 1221, 1629$
33	38	$n \equiv 1, 913, 969, 1881, 2641, 3345, 3553, \text{ or } 4257 \pmod{5016}$ except $n = 913, 969, 1881$
33	39	$n \equiv 1, 793, 3069, 3861, 4005, 4213, 4797, \text{ or } 5005 \pmod{5148}$ except $n = 793$
33	40	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
33	41	$n \equiv 1, 165, 1189, 1353, 1969, 3157, 3609, \text{ or } 4797 \pmod{5412}$ except $n = 165, 1189, 1353, 1969$
33	42	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
33	43	$n \equiv 1, 517, 1849, 1893, 2365, 2409, 3741, \text{ or } 4257 \pmod{5676}$ except $n = 517, 1849, 1893, 2365, 2409$
33	44	$n \equiv 1, 1089, 3025, \text{ or } 3873 \pmod{5808}$ except $n = 1089$
33	45	$n \equiv 1, 1485, 2025, 3025, 3565, 3861, 4401, \text{ or } 5401 \pmod{5940}$ except $n = 1485, 2025$
33	46	$n \equiv 1, 529, 2025, 2553, 2761, 3289, 4785, \text{ or } 5313 \pmod{6072}$ except $n = 529, 2025, 2553, 2761$
33	47	$n \equiv 1, 517, 705, 1881, 2773, 3949, 4137, \text{ or } 4653 \pmod{6204}$ except $n = 517, 705, 1881, 2773$
33	48	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$

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Table 32: Superspectra for  $p = 33$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	49	$n \equiv 1, 441, 1177, 1617, 2157, 3333, 4753, \text{ or } 5929 \pmod{6468}$ except $n = 441, 1177, 1617, 2157$
33	50	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
33	51	$n \equiv 1, 1089, 1837, 3213, 3961, 5049, 5797, \text{ or } 5985 \pmod{6732}$ except $n = 1089, 1837, 3213$
33	52	$n \equiv 1, 2145, 2289, 2497, 4225, 4785, 6513, \text{ or } 6721 \pmod{6864}$ except $n = 2145, 2289, 2497$
33	53	$n \equiv 1, 265, 1485, 1749, 3817, 4081, 4665, \text{ or } 4929 \pmod{6996}$ except $n = 265, 1485, 1749$
33	54	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{7128}$ except $n = 649, 2025, 2673$
33	55	$n \equiv 1, 121, 2421, 2541, 2905, 3025, 5325, \text{ or } 5445 \pmod{7260}$ except $n = 121, 2421, 2541, 2905, 3025$
33	56	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
33	57	$n \equiv 1, 837, 1045, 1881, 3421, 4257, 5149, \text{ or } 5985 \pmod{7524}$ except $n = 837, 1045, 1881, 3421$
33	58	$n \equiv 1, 2233, 2553, 4785, 4873, 5017, 7425, \text{ or } 7569 \pmod{7656}$ except $n = 2233, 2553$
33	59	$n \equiv 1, 177, 649, 2773, 3069, 5193, 5665, \text{ or } 5841 \pmod{7788}$ except $n = 177, 649, 2773, 3069$
33	60	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
33	61	$n \equiv 1, 793, 1221, 2013, 2685, 3477, 6589, \text{ or } 7381 \pmod{8052}$ except $n = 793, 1221, 2013, 2685, 3477$
33	62	$n \equiv 1, 1705, 2233, 4929, 5457, 7161, 7657, \text{ or } 7689 \pmod{8184}$ except $n = 1705, 2233$
33	63	$n \equiv 1, 1485, 3025, 3213, 4753, 6237, 6777, \text{ or } 7777 \pmod{8316}$ except $n = 1485, 3025, 3213$

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Table 32: Superspectra for  $p = 33$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	64	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
33	65	$n \equiv 1, 781, 1365, 2145, 3081, 3861, 4005, 4225, 4785,$ $5005, 5721, 5941, 6501, 6721, 6865, \text{ or } 7645 \pmod{8580}$ except $n = 781, 1365, 2145, 3081, 3861, 4005, 4225$
33	66	$n \equiv 1, 1089, 3025, \text{ or } 6777 \pmod{8712}$ except $n = 1089, 3025$
33	67	$n \equiv 1, 2145, 2949, 3685, 4489, 6633, 7437, \text{ or } 8041 \pmod{8844}$ except $n = 2145, 2949, 3685$
33	68	$n \equiv 1, 561, 1089, 3553, 4081, 5457, 5985, \text{ or } 8449 \pmod{8976}$ except $n = 561, 1089, 3553, 4081$
33	69	$n \equiv 1, 253, 2025, 2277, 3565, 5589, 5797, \text{ or } 7821 \pmod{9108}$ except $n = 253, 2025, 2277, 3565$
33	70	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
33	71	$n \equiv 1, 781, 1705, 5325, 6249, 7029, 7953, \text{ or } 8449 \pmod{9372}$ except $n = 781, 1705$
33	72	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
33	73	$n \equiv 1, 2409, 2629, 3213, 5841, 6205, 8833, \text{ or } 9417 \pmod{9636}$ except $n = 2409, 2629, 3213$
33	74	$n \equiv 1, 297, 2553, 3553, 5809, 6105, 6513, \text{ or } 9361 \pmod{9768}$ except $n = 297, 2553, 3553$
33	75	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 7525, \text{ or } 9801 \pmod{9900}$ except $n = 2025, 3025, 4401$
33	76	$n \equiv 1, 913, 2641, 3345, 3553, 4257, 5985, \text{ or } 6897 \pmod{10032}$ except $n = 913, 2641, 3345, 3553, 4257$
33	77	$n \equiv 1, 2541, 2905, 3025, 5929, 6777, 9681, \text{ or } 9801 \pmod{10164}$ except $n = 2541, 2905, 3025$
33	78	$n \equiv 1, 793, 8217, 9009, 9153, 9361, 9945, \text{ or } 10153 \pmod{10296}$ except $n = 793$

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Table 32: Superspectra for  $p = 33$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	79	$n \equiv 1, 3081, 3477, 4345, 4741, 7821, 8217, \text{ or } 10033 \pmod{10428}$ except $n = 3081, 3477, 4345, 4741$
33	80	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
33	81	$n \equiv 1, 2673, 5589, \text{ or } 7777 \pmod{10692}$ except $n = 2673$
33	82	$n \equiv 1, 1353, 1969, 3609, 5577, 6601, 8569, \text{ or } 10209 \pmod{10824}$ except $n = 1353, 1969, 3609$
33	83	$n \equiv 1, 913, 2905, 5313, 7305, 8217, 8965, \text{ or } 10209 \pmod{10956}$ except $n = 913, 2905, 5313$
33	84	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
33	85	$n \equiv 1, 561, 2245, 2805, 3741, 3961, 4081, 5985, 6205,$ $6325, 7701, 7821, 8041, 9945, 10065, \text{ or } 10285 \pmod{11220}$ except $n = 561, 2245, 2805, 3741, 3961, 4081$
33	86	$n \equiv 1, 1849, 2409, 4257, 6193, 7569, 8041, \text{ or } 9417 \pmod{11352}$ except $n = 1849, 2409, 4257$
33	87	$n \equiv 1, 1045, 1189, 2233, 6381, 7425, 7569, \text{ or } 8613 \pmod{11484}$ except $n = 1045, 1189, 2233$
33	88	$n \equiv 1, 1089, 3873, \text{ or } 8833 \pmod{11616}$ except $n = 1089, 3873$
33	89	$n \equiv 1, 2937, 4005, 6765, 6853, 7833, 7921, \text{ or } 10681 \pmod{11748}$ except $n = 2937, 4005$
33	90	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
33	91	$n \equiv 1, 1365, 2289, 3081, 4005, 5005, 5929, 6721, 7645,$ $9009, 9373, 9933, 10297, 10725, 11089, \text{ or } 11649 \pmod{12012}$ except $n = 1365, 2289, 3081, 4005, 5005, 5929$
33	92	$n \equiv 1, 529, 4785, 5313, 8097, 8625, 8833, \text{ or } 9361 \pmod{12144}$ except $n = 529, 4785, 5313$

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Table 32: Superspectra for  $p = 33$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	93	$n \equiv 1, 837, 2233, 3069, 3565, 5797, 9549, \text{ or } 11781 \pmod{12276}$ except $n = 837, 2233, 3069, 3565, 5797$
33	94	$n \equiv 1, 705, 1881, 4137, 6721, 8977, 10153, \text{ or } 10857 \pmod{12408}$ except $n = 705, 1881, 4137$
33	95	$n \equiv 1, 1045, 1881, 2641, 3345, 3421, 5985, 6061, 6765,$ $7525, 8361, 9405, 10165, 10945, 11001, \text{ or } 11781 \pmod{12540}$ except $n = 1045, 1881, 2641, 3345, 3421, 5985, 6061$
33	96	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
33	97	$n \equiv 1, 3201, 4269, 4753, 6985, 9021, 11253, \text{ or } 11737 \pmod{12804}$ except $n = 3201, 4269, 4753$
33	98	$n \equiv 1, 441, 1177, 1617, 4753, 5929, 8625, \text{ or } 9801 \pmod{12936}$ except $n = 441, 1177, 1617, 4753, 5929$
33	99	$n \equiv 1, 3025, 6777, \text{ or } 9801 \pmod{13068}$ except $n = 3025$
33	100	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
33	101	$n \equiv 1, 1617, 1717, 3333, 6061, 7777, 8889, \text{ or } 10605 \pmod{13332}$ except $n = 1617, 1717, 3333, 6061$
33	102	$n \equiv 1, 1089, 3961, 5049, 5985, 8569, 9945, \text{ or } 12529 \pmod{13464}$ except $n = 1089, 3961, 5049, 5985$
33	103	$n \equiv 1, 309, 825, 4533, 5665, 9373, 9889, \text{ or } 10197 \pmod{13596}$ except $n = 309, 825, 4533, 5665$
33	104	$n \equiv 1, 2145, 2497, 4225, 6721, 9153, 11649, \text{ or } 13377 \pmod{13728}$ except $n = 2145, 2497, 4225, 6721$
33	105	$n \equiv 1, 441, 1485, 1981, 3025, 3465, 4005, 5005, 5545,$ $5985, 7525, 9801, 11341, 11781, 12321, \text{ or } 13321 \pmod{13860}$ except $n = 441, 1485, 1981, 3025, 3465,$ $4005, 5005, 5545, 5985$
33	106	$n \equiv 1, 265, 3817, 4081, 4665, 4929, 8481, \text{ or } 8745 \pmod{13992}$ except $n = 265, 3817, 4081, 4665, 4929$

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Table 32: Superspectra for  $p = 33$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	107	$n \equiv 1, 429, 1177, 5137, 5457, 9417, 10165, \text{ or } 10593 \pmod{14124}$ except $n = 429, 1177, 5137, 5457$
33	108	$n \equiv 1, 2673, 7777, \text{ or } 9153 \pmod{14256}$ except $n = 2673$
33	109	$n \equiv 1, 1309, 2289, 3597, 4797, 6105, 11881, \text{ or } 13189 \pmod{14388}$ except $n = 1309, 2289, 3597, 4797, 6105$
33	110	$n \equiv 1, 121, 2905, 3025, 9681, 9801, 12585, \text{ or } 12705 \pmod{14520}$ except $n = 121, 2905, 3025$
33	111	$n \equiv 1, 297, 1629, 9361, 10693, 10989, 12321, \text{ or } 13321 \pmod{14652}$ except $n = 297, 1629$
33	112	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
33	113	$n \equiv 1, 3729, 4521, 8701, 9153, 9493, 9945, \text{ or } 14125 \pmod{14916}$ except $n = 3729, 4521$
33	114	$n \equiv 1, 1881, 4257, 5985, 8361, 8569, 10945, \text{ or } 12673 \pmod{15048}$ except $n = 1881, 4257, 5985$
33	115	$n \equiv 1, 2025, 2761, 3565, 4785, 5061, 6325, 6601, 7821,$ $8625, 9361, 11385, 11661, 12145, 14421, \text{ or } 14905 \pmod{15180}$ except $n = 2025, 2761, 3565, 4785, 5061, 6325, 6601$
33	116	$n \equiv 1, 4785, 7425, 7569, 9889, 10209, 12529, \text{ or } 12673 \pmod{15312}$ except $n = 4785, 7425, 7569$
33	117	$n \equiv 1, 3861, 4213, 5941, 9153, 10153, 13365, \text{ or } 15093 \pmod{15444}$ except $n = 3861, 4213, 5941$
33	118	$n \equiv 1, 177, 649, 5193, 5665, 5841, 10561, \text{ or } 10857 \pmod{15576}$ except $n = 177, 649, 5193, 5665, 5841$
33	119	$n \equiv 1, 561, 1309, 3213, 3333, 4081, 5797, 5985, 7701,$ $8449, 8569, 10473, 11221, 11781, 12937, \text{ or } 14553 \pmod{15708}$ except $n = 561, 1309, 3213, 3333, 4081, 5797, 5985, 7701$
33	120	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$

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Table 32: Superspectra for  $p = 33$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
33	121	$n \equiv 1, 3993, 5325, \text{ or } 14641 \pmod{15972}$ except $n = 3993, 5325$
33	122	$n \equiv 1, 793, 9273, 10065, 10737, 11529, 14641, \text{ or } 15433 \pmod{16104}$ except $n = 793$
33	123	$n \equiv 1, 1189, 3609, 4797, 7381, 8569, 10989, \text{ or } 12177 \pmod{16236}$ except $n = 1189, 3609, 4797, 7381$
33	124	$n \equiv 1, 4929, 5457, 9889, 10417, 15345, 15841, \text{ or } 15873 \pmod{16368}$ except $n = 4929, 5457$
33	125	$n \equiv 1, 4125, 6501, 8625, 9625, 11001, 12001, \text{ or } 14125 \pmod{16500}$ except $n = 4125, 6501$
33	126	$n \equiv 1, 3025, 4753, 6777, 7777, 9801, 11529, \text{ or } 14553 \pmod{16632}$ except $n = 3025, 4753, 6777, 7777$
33	127	$n \equiv 1, 2541, 5589, 6985, 10033, 12573, 13717, \text{ or } 15621 \pmod{16764}$ except $n = 2541, 5589, 6985$
33	128	$n \equiv 1, 4609, 11265, \text{ or } 15873 \pmod{16896}$ except $n = 4609$

Table 33: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 34$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
34	2	$n \equiv 1 \text{ or } 17 \pmod{272}$ except $n = 17$
34	3	$n \equiv 1, 153, 273, \text{ or } 289 \pmod{408}$ except $n = 153$
34	4	$n \equiv 1 \text{ or } 289 \pmod{544}$
34	5	$n \equiv 1, 425, 545, \text{ or } 561 \pmod{680}$
34	6	$n \equiv 1, 273, 289, \text{ or } 561 \pmod{816}$ except $n = 273, 289$
34	7	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{952}$ except $n = 273$
34	8	$n \equiv 1 \text{ or } 833 \pmod{1088}$
34	9	$n \equiv 1, 153, 289, \text{ or } 1089 \pmod{1224}$ except $n = 153, 289$

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Table 33: Superspectra for  $p = 34$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
34	10	$n \equiv 1, 545, 561, \text{ or } 1105 \pmod{1360}$ except $n = 545, 561$
34	11	$n \equiv 1, 561, 969, \text{ or } 1089 \pmod{1496}$ except $n = 561$
34	12	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
34	13	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{1768}$ except $n = 273, 833$
34	14	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{1904}$ except $n = 273, 561, 833$
34	15	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
34	16	$n \equiv 1 \text{ or } 1921 \pmod{2176}$
34	17	$n \equiv 1 \text{ or } 289 \pmod{2312}$ except $n = 289$
34	18	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
34	19	$n \equiv 1, 153, 817, \text{ or } 969 \pmod{2584}$ except $n = 153, 817, 969$
34	20	$n \equiv 1, 545, 1921, \text{ or } 2465 \pmod{2720}$ except $n = 545$
34	21	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
34	22	$n \equiv 1, 561, 1089, \text{ or } 2465 \pmod{2992}$ except $n = 561, 1089$
34	23	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{3128}$ except $n = 1105$
34	24	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
34	25	$n \equiv 1, 425, 1225, \text{ or } 2601 \pmod{3400}$ except $n = 425, 1225$
34	26	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{3536}$ except $n = 273, 833, 1105$
34	27	$n \equiv 1, 1377, 1513, \text{ or } 3537 \pmod{3672}$ except $n = 1377, 1513$
34	28	$n \equiv 1, 833, 2177, \text{ or } 2465 \pmod{3808}$ except $n = 833$
34	29	$n \equiv 1, 697, 1769, \text{ or } 2465 \pmod{3944}$ except $n = 697, 1769$
34	30	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
34	31	$n \equiv 1, 1241, 2449, \text{ or } 3689 \pmod{4216}$ except $n = 1241$
34	32	$n \equiv 1 \text{ or } 4097 \pmod{4352}$

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Table 33: Superspectra for  $p = 34$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
34	33	$n \equiv 1, 561, 969, 1089, 1497, 3553, 3961, \text{ or } 4081 \pmod{4488}$ except $n = 561, 969, 1089, 1497$
34	34	$n \equiv 1 \text{ or } 289 \pmod{4624}$ except $n = 289$
34	35	$n \equiv 1, 561, 1225, 1785, 1905, 2465, 4081, \text{ or } 4641 \pmod{4760}$ except $n = 561, 1225, 1785, 1905$
34	36	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
34	37	$n \equiv 1, 3145, 3553, \text{ or } 4625 \pmod{5032}$
34	38	$n \equiv 1, 817, 2737, \text{ or } 3553 \pmod{5168}$ except $n = 817$
34	39	$n \equiv 1, 273, 1105, 2041, 2601, 3537, 4369, \text{ or } 4641 \pmod{5304}$ except $n = 273, 1105, 2041, 2601$
34	40	$n \equiv 1, 1921, 3265, \text{ or } 5185 \pmod{5440}$ except $n = 1921$
34	41	$n \equiv 1, 697, 2993, \text{ or } 3281 \pmod{5576}$ except $n = 697$
34	42	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
34	43	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{5848}$ except $n = 817, 1377, 2193$
34	44	$n \equiv 1, 1089, 2465, \text{ or } 3553 \pmod{5984}$ except $n = 1089, 2465$
34	45	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$
34	46	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{6256}$ except $n = 1105, 1633, 2737$
34	47	$n \equiv 1, 2585, 3009, \text{ or } 5593 \pmod{6392}$ except $n = 2585, 3009$
34	48	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$
34	49	$n \equiv 1, 833, 1225, \text{ or } 6273 \pmod{6664}$ except $n = 833, 1225$
34	50	$n \equiv 1, 3825, 4625, \text{ or } 6001 \pmod{6800}$
34	51	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{6936}$ except $n = 289, 2313, 2601$
34	52	$n \equiv 1, 833, 3809, \text{ or } 4641 \pmod{7072}$ except $n = 833$
34	53	$n \equiv 1, 425, 4081, \text{ or } 4505 \pmod{7208}$ except $n = 425$
34	54	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$

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Table 33: Superspectra for  $p = 34$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
34	55	$n \equiv 1, 561, 2465, 2585, 3961, 4081, 5985, \text{ or } 6545 \pmod{7480}$ except $n = 561, 2465, 2585$
34	56	$n \equiv 1, 833, 2177, \text{ or } 6273 \pmod{7616}$ except $n = 833, 2177$
34	57	$n \equiv 1, 153, 817, 969, 2737, 3553, 5169, \text{ or } 5985 \pmod{7752}$ except $n = 153, 817, 969, 2737, 3553$
34	58	$n \equiv 1, 2465, 4641, \text{ or } 5713 \pmod{7888}$ except $n = 2465$
34	59	$n \equiv 1, 3009, 4897, \text{ or } 6137 \pmod{8024}$ except $n = 3009$
34	60	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
34	61	$n \equiv 1, 1769, 3417, \text{ or } 5185 \pmod{8296}$ except $n = 1769, 3417$
34	62	$n \equiv 1, 2449, 5457, \text{ or } 7905 \pmod{8432}$ except $n = 2449$
34	63	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
34	64	$n \equiv 1 \text{ or } 4097 \pmod{8704}$ except $n = 4097$
34	65	$n \equiv 1, 1105, 2041, 2601, 4641, 5305, 7345, \text{ or } 7905 \pmod{8840}$ except $n = 1105, 2041, 2601$
34	66	$n \equiv 1, 561, 1089, 3553, 4081, 5457, 5985, \text{ or } 8449 \pmod{8976}$ except $n = 561, 1089, 3553, 4081$
34	67	$n \equiv 1, 3417, 4489, \text{ or } 8041 \pmod{9112}$ except $n = 3417, 4489$
34	68	$n \equiv 1 \text{ or } 289 \pmod{9248}$ except $n = 289$
34	69	$n \equiv 1, 1105, 1633, 2737, 3129, 4233, 4761, \text{ or } 5865 \pmod{9384}$ except $n = 1105, 1633, 2737, 3129, 4233$
34	70	$n \equiv 1, 561, 1905, 2465, 4081, 4641, 5985, \text{ or } 6545 \pmod{9520}$ except $n = 561, 1905, 2465, 4081, 4641$
34	71	$n \equiv 1, 1633, 6817, \text{ or } 8449 \pmod{9656}$ except $n = 1633$
34	72	$n \equiv 1, 1089, 5185, \text{ or } 6273 \pmod{9792}$ except $n = 1089$
34	73	$n \equiv 1, 1241, 2993, \text{ or } 8177 \pmod{9928}$ except $n = 1241, 2993$
34	74	$n \equiv 1, 3553, 4625, \text{ or } 8177 \pmod{10064}$ except $n = 3553, 4625$

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Table 33: Superspectra for  $p = 34$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
34	75	$n \equiv 1, 1225, 2601, 3825, 6001, 6801, 7225, \text{ or } 8025 \pmod{10200}$ except $n = 1225, 2601, 3825$
34	76	$n \equiv 1, 3553, 5985, \text{ or } 7905 \pmod{10336}$ except $n = 3553$
34	77	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 8449, \text{ or } 8569 \pmod{10472}$ except $n = 561, 2465, 4081$
34	78	$n \equiv 1, 273, 1105, 3537, 4369, 4641, 7345, \text{ or } 7905 \pmod{10608}$ except $n = 273, 1105, 3537, 4369, 4641$
34	79	$n \equiv 1, 2449, 6953, \text{ or } 9401 \pmod{10744}$ except $n = 2449$
34	80	$n \equiv 1, 1921, 8705, \text{ or } 10625 \pmod{10880}$ except $n = 1921$
34	81	$n \equiv 1, 1377, 5185, \text{ or } 7209 \pmod{11016}$ except $n = 1377, 5185$
34	82	$n \equiv 1, 2993, 3281, \text{ or } 6273 \pmod{11152}$ except $n = 2993, 3281$
34	83	$n \equiv 1, 4233, 4897, \text{ or } 10625 \pmod{11288}$ except $n = 4233, 4897$
34	84	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
34	85	$n \equiv 1, 2601, 4625, \text{ or } 7225 \pmod{11560}$ except $n = 2601, 4625$
34	86	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{11696}$ except $n = 817, 1377, 2193$
34	87	$n \equiv 1, 697, 3945, 4641, 5713, 6409, 9657, \text{ or } 10353 \pmod{11832}$ except $n = 697, 3945, 4641, 5713$
34	88	$n \equiv 1, 1089, 8449, \text{ or } 9537 \pmod{11968}$ except $n = 1089$
34	89	$n \equiv 1, 1513, 6409, \text{ or } 7209 \pmod{12104}$ except $n = 1513$
34	90	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
34	91	$n \equiv 1, 273, 833, 3809, 4369, 4641, 8177, \text{ or } 8841 \pmod{12376}$ except $n = 273, 833, 3809, 4369, 4641$
34	92	$n \equiv 1, 1633, 7361, \text{ or } 8993 \pmod{12512}$ except $n = 1633$
34	93	$n \equiv 1, 2449, 5457, 7905, 8433, 9673, 10881, \text{ or } 12121 \pmod{12648}$ except $n = 2449, 5457$
34	94	$n \equiv 1, 3009, 8977, \text{ or } 11985 \pmod{12784}$ except $n = 3009$

*continued on next page*



Table 33: Superspectra for  $p = 34$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
34	95	$n \equiv 1, 2585, 3401, 5321, 5985, 7905, 8721, \text{ or } 11305 \pmod{12920}$ except $n = 2585, 3401, 5321, 5985$
34	96	$n \equiv 1, 4353, 8449, \text{ or } 12801 \pmod{13056}$ except $n = 4353$
34	97	$n \equiv 1, 1649, 2329, \text{ or } 12513 \pmod{13192}$ except $n = 1649, 2329$
34	98	$n \equiv 1, 833, 6273, \text{ or } 7889 \pmod{13328}$ except $n = 833, 6273$
34	99	$n \equiv 1, 1089, 3961, 5049, 5985, 8569, 9945, \text{ or } 12529 \pmod{13464}$ except $n = 1089, 3961, 5049, 5985$
34	100	$n \equiv 1, 10625, 11425, \text{ or } 12801 \pmod{13600}$
34	101	$n \equiv 1, 8585, 10201, \text{ or } 12121 \pmod{13736}$
34	102	$n \equiv 1, 289, 9249, \text{ or } 9537 \pmod{13872}$ except $n = 289$
34	103	$n \equiv 1, 1649, 10609, \text{ or } 12257 \pmod{14008}$ except $n = 1649$
34	104	$n \equiv 1, 833, 10881, \text{ or } 11713 \pmod{14144}$ except $n = 833$
34	105	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
34	106	$n \equiv 1, 4081, 7633, \text{ or } 11713 \pmod{14416}$ except $n = 4081$
34	107	$n \equiv 1, 5457, 8025, \text{ or } 11985 \pmod{14552}$ except $n = 5457$
34	108	$n \equiv 1, 1377, 5185, \text{ or } 10881 \pmod{14688}$ except $n = 1377, 5185$
34	109	$n \equiv 1, 545, 8721, \text{ or } 9265 \pmod{14824}$ except $n = 545$
34	110	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 10065, \text{ or } 11441 \pmod{14960}$ except $n = 561, 2465, 4081, 5985, 6545$
34	111	$n \equiv 1, 3145, 3553, 9657, 10065, 13209, 13617, \text{ or } 14689 \pmod{15096}$ except $n = 3145, 3553$
34	112	$n \equiv 1, 2177, 6273, \text{ or } 8449 \pmod{15232}$ except $n = 2177, 6273$
34	113	$n \equiv 1, 1921, 7345, \text{ or } 9945 \pmod{15368}$ except $n = 1921, 7345$
34	114	$n \equiv 1, 817, 2737, 3553, 5169, 5985, 7905, \text{ or } 8721 \pmod{15504}$ except $n = 817, 2737, 3553, 5169, 5985$

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Table 33: Superspectra for  $p = 34$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
34	115	$n \equiv 1, 1105, 4761, 5865, 7361, 9385, 12121, \text{ or } 14145 \pmod{15640}$ except $n = 1105, 4761, 5865, 7361$
34	116	$n \equiv 1, 2465, 4641, \text{ or } 13601 \pmod{15776}$ except $n = 2465, 4641$
34	117	$n \equiv 1, 2601, 3537, 6409, 7345, 9945, 10881, \text{ or } 14977 \pmod{15912}$ except $n = 2601, 3537, 6409, 7345$
34	118	$n \equiv 1, 3009, 4897, \text{ or } 14161 \pmod{16048}$ except $n = 3009, 4897$
34	119	$n \equiv 1, 6937, 7225, \text{ or } 14161 \pmod{16184}$ except $n = 6937, 7225$
34	120	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
34	121	$n \equiv 1, 969, 1089, \text{ or } 2057 \pmod{16456}$ except $n = 969, 1089, 2057$
34	122	$n \equiv 1, 5185, 10065, \text{ or } 11713 \pmod{16592}$ except $n = 5185$
34	123	$n \equiv 1, 697, 5577, 6273, 8569, 8857, 14145, \text{ or } 14433 \pmod{16728}$ except $n = 697, 5577, 6273$
34	124	$n \equiv 1, 7905, 10881, \text{ or } 13889 \pmod{16864}$ except $n = 7905$
34	125	$n \equiv 1, 4625, 6001, \text{ or } 10625 \pmod{17000}$ except $n = 4625, 6001$
34	126	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
34	127	$n \equiv 1, 1905, 13209, \text{ or } 15113 \pmod{17272}$ except $n = 1905$
34	128	$n \equiv 1 \text{ or } 4097 \pmod{17408}$ except $n = 4097$

Table 34: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 35$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	2	$n \equiv 1, 105, 161, \text{ or } 225 \pmod{280}$ except $n = 105$
35	3	$n \equiv 1, 21, 85, 105, 141, 225, 301, \text{ or } 385 \pmod{420}$ except $n = 21, 85, 105, 141$

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Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	4	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
35	5	$n \equiv 1, 225, 301, \text{ or } 525 \pmod{700}$ except $n = 225, 301$
35	6	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
35	7	$n \equiv 1, 245, 441, \text{ or } 785 \pmod{980}$ except $n = 245, 441$
35	8	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
35	9	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
35	10	$n \equiv 1, 225, 1001, \text{ or } 1225 \pmod{1400}$ except $n = 225$
35	11	$n \equiv 1, 385, 441, 561, 925, 1001, 1365, \text{ or } 1485 \pmod{1540}$ except $n = 385, 441, 561$
35	12	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
35	13	$n \equiv 1, 105, 365, 1001, 1261, 1365, 1561, \text{ or } 1625 \pmod{1820}$ except $n = 105, 365$
35	14	$n \equiv 1, 441, 785, \text{ or } 1225 \pmod{1960}$ except $n = 441, 785$
35	15	$n \equiv 1, 225, 301, 525, 925, 1225, 1401, \text{ or } 1701 \pmod{2100}$ except $n = 225, 301, 525, 925$
35	16	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
35	17	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, \text{ or } 2261 \pmod{2380}$ except $n = 85, 561$
35	18	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
35	19	$n \equiv 1, 665, 1065, 1121, 1141, 2185, 2205, \text{ or } 2261 \pmod{2660}$ except $n = 665, 1065, 1121, 1141$
35	20	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{2800}$ except $n = 225$
35	21	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2401, \text{ or } 2745 \pmod{2940}$ except $n = 441, 981, 1225$

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Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	22	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
35	23	$n \equiv 1, 161, 645, 805, 1541, 1841, 2185, \text{ or } 2485 \pmod{3220}$ except $n = 161, 645, 805, 1541$
35	24	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
35	25	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{3500}$ except $n = 1001, 1625$
35	26	$n \equiv 1, 105, 1001, 1561, 1625, 2185, 3081, \text{ or } 3185 \pmod{3640}$ except $n = 105, 1001, 1561, 1625$
35	27	$n \equiv 1, 945, 1485, 1701, 2241, 2485, 3025, \text{ or } 3241 \pmod{3780}$ except $n = 945, 1485, 1701$
35	28	$n \equiv 1, 785, 2401, \text{ or } 3185 \pmod{3920}$ except $n = 785$
35	29	$n \equiv 1, 581, 841, 1421, 1625, 2205, 2465, \text{ or } 3045 \pmod{4060}$ except $n = 581, 841, 1421, 1625$
35	30	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
35	31	$n \equiv 1, 1085, 1365, 2325, 2605, 2821, 3101, \text{ or } 4061 \pmod{4340}$ except $n = 1085, 1365$
35	32	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
35	33	$n \equiv 1, 385, 441, 561, 925, 1365, 1485, 1981, 2101,$ $2541, 2905, 3025, 3081, 3465, 4005, \text{ or } 4081 \pmod{4620}$ except $n = 385, 441, 561, 925, 1365, 1485, 1981, 2101$
35	34	$n \equiv 1, 561, 1225, 1785, 1905, 2465, 4081, \text{ or } 4641 \pmod{4760}$ except $n = 561, 1225, 1785, 1905$
35	35	$n \equiv 1, 1225, 2401, \text{ or } 3725 \pmod{4900}$ except $n = 1225, 2401$
35	36	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
35	37	$n \equiv 1, 925, 1925, 1961, 2961, 3885, 4145, \text{ or } 4921 \pmod{5180}$ except $n = 925, 1925, 1961$

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Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	38	$n \equiv 1, 665, 1065, 1121, 2185, 3801, 4865, \text{ or } 4921 \pmod{5320}$ except $n = 665, 1065, 1121, 2185$
35	39	$n \equiv 1, 105, 1261, 1365, 1561, 1821, 2185, 2821, 3081,$ $3381, 3445, 3745, 4005, 4641, 5005, \text{ or } 5265 \pmod{5460}$ except $n = 105, 1261, 1365, 1561, 1821, 2185$
35	40	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$
35	41	$n \equiv 1, 861, 1681, 2625, 3445, 4305, 4921, \text{ or } 5125 \pmod{5740}$ except $n = 861, 1681, 2625$
35	42	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
35	43	$n \equiv 1, 301, 645, 861, 1205, 1505, 2065, \text{ or } 5461 \pmod{6020}$ except $n = 301, 645, 861, 1205, 1505, 2065$
35	44	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
35	45	$n \equiv 1, 225, 1225, 1701, 3025, 3501, 4501, \text{ or } 4725 \pmod{6300}$ except $n = 225, 1225, 1701, 3025$
35	46	$n \equiv 1, 161, 1841, 2185, 3865, 4025, 4761, \text{ or } 5705 \pmod{6440}$ except $n = 161, 1841, 2185$
35	47	$n \equiv 1, 141, 1505, 1645, 2821, 2961, 5265, \text{ or } 5405 \pmod{6580}$ except $n = 141, 1505, 1645, 2821, 2961$
35	48	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
35	49	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{6860}$ except $n = 2401, 2745$
35	50	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{7000}$ except $n = 1001, 1625, 2625$
35	51	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, 2941, 4081,$ $4165, 4285, 4641, 4761, 4845, 5985, \text{ or } 7021 \pmod{7140}$ except $n = 85, 561, 1225, 1701, 1785, 1905, 2941$
35	52	$n \equiv 1, 3185, 3745, 4641, 5201, 5265, 5825, \text{ or } 6721 \pmod{7280}$ except $n = 3185$

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Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	53	$n \equiv 1, 1485, 1961, 2121, 3445, 3605, 4081, \text{ or } 5565 \pmod{7420}$ except $n = 1485, 1961, 2121, 3445, 3605$
35	54	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
35	55	$n \equiv 1, 925, 1001, 1925, 2101, 3025, 6601, \text{ or } 7525 \pmod{7700}$ except $n = 925, 1001, 1925, 2101, 3025$
35	56	$n \equiv 1, 2401, 4705, \text{ or } 7105 \pmod{7840}$ except $n = 2401$
35	57	$n \equiv 1, 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801,$ $4845, 4921, 5985, 6385, 6441, 7525, \text{ or } 7581 \pmod{7980}$ except $n = 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801$
35	58	$n \equiv 1, 841, 1625, 2465, 4641, 5481, 6265, \text{ or } 7105 \pmod{8120}$ except $n = 841, 1625, 2465$
35	59	$n \equiv 1, 945, 1121, 2065, 3305, 4425, 5901, \text{ or } 7021 \pmod{8260}$ except $n = 945, 1121, 2065, 3305$
35	60	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
35	61	$n \equiv 1, 245, 1281, 2745, 3661, 5125, 6161, \text{ or } 6405 \pmod{8540}$ except $n = 245, 1281, 2745, 3661$
35	62	$n \equiv 1, 5425, 5705, 6665, 6945, 7161, 7441, \text{ or } 8401 \pmod{8680}$
35	63	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2745, \text{ or } 8281 \pmod{8820}$ except $n = 441, 981, 1225, 1765, 2205, 2745$
35	64	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
35	65	$n \equiv 1, 1001, 1625, 1925, 4901, 5201, 5825, \text{ or } 6825 \pmod{9100}$ except $n = 1001, 1625, 1925$
35	66	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
35	67	$n \equiv 1, 805, 1541, 2345, 2681, 4221, 7505, \text{ or } 9045 \pmod{9380}$ except $n = 805, 1541, 2345, 2681, 4221$

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Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	68	$n \equiv 1, 561, 1905, 2465, 4081, 4641, 5985, \text{ or } 6545 \pmod{9520}$ except $n = 561, 1905, 2465, 4081, 4641$
35	69	$n \equiv 1, 645, 805, 2185, 2485, 3381, 3865, 4761, 5061,$ $6441, 6601, 7245, 7981, 8281, 8625, \text{ or } 8925 \pmod{9660}$ except $n = 645, 805, 2185, 2485, 3381, 3865, 4761$
35	70	$n \equiv 1, 1225, 2401, \text{ or } 8625 \pmod{9800}$ except $n = 1225, 2401$
35	71	$n \equiv 1, 1065, 1421, 2485, 5041, 5965, 6461, \text{ or } 7385 \pmod{9940}$ except $n = 1065, 1421, 2485$
35	72	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
35	73	$n \equiv 1, 365, 2045, 5621, 7301, 7665, 8541, \text{ or } 9345 \pmod{10220}$ except $n = 365, 2045$
35	74	$n \equiv 1, 1961, 2961, 4145, 4921, 6105, 7105, \text{ or } 9065 \pmod{10360}$ except $n = 1961, 2961, 4145, 4921$
35	75	$n \equiv 1, 2625, 3501, 4501, 5125, 8001, 8625, \text{ or } 9625 \pmod{10500}$ except $n = 2625, 3501, 4501, 5125$
35	76	$n \equiv 1, 1121, 4865, 5985, 6385, 7505, 9121, \text{ or } 10241 \pmod{10640}$ except $n = 1121, 4865$
35	77	$n \equiv 1, 441, 7645, 8085, 8625, 9065, 9801, \text{ or } 10241 \pmod{10780}$ except $n = 441$
35	78	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
35	79	$n \equiv 1, 2765, 3081, 4425, 6321, 7505, 9401, \text{ or } 10745 \pmod{11060}$ except $n = 2765, 3081, 4425$
35	80	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$
35	81	$n \equiv 1, 1701, 3241, 5265, 6805, 8505, 9801, \text{ or } 10045 \pmod{11340}$ except $n = 1701, 3241, 5265$

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Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	82	$n \equiv 1, 1681, 2625, 4305, 4921, 6601, 9185, \text{ or } 10865 \pmod{11480}$ except $n = 1681, 2625, 4305, 4921$
35	83	$n \equiv 1, 581, 665, 2241, 2325, 2905, 4565, \text{ or } 9961 \pmod{11620}$ except $n = 581, 665, 2241, 2325, 2905, 4565$
35	84	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
35	85	$n \equiv 1, 1225, 1701, 7225, 7701, 8925, 9401, \text{ or } 11425 \pmod{11900}$ except $n = 1225, 1701$
35	86	$n \equiv 1, 1505, 2065, 6321, 6665, 6881, 7225, \text{ or } 11481 \pmod{12040}$ except $n = 1505, 2065$
35	87	$n \equiv 1, 841, 2205, 3045, 4641, 5481, 5685, 6265, 6525,$ $7105, 8121, 8701, 8961, 9541, 9745, \text{ or } 10585 \pmod{12180}$ except $n = 841, 2205, 3045, 4641, 5481, 5685$
35	88	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
35	89	$n \equiv 1, 4005, 4361, 4985, 5341, 9345, 10325, \text{ or } 11481 \pmod{12460}$ except $n = 4005, 4361, 4985, 5341$
35	90	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
35	91	$n \equiv 1, 3185, 3381, 4901, 7645, 8281, 11025, \text{ or } 12545 \pmod{12740}$ except $n = 3185, 3381, 4901$
35	92	$n \equiv 1, 161, 1841, 8625, 10305, 10465, 11201, \text{ or } 12145 \pmod{12880}$ except $n = 161, 1841$
35	93	$n \equiv 1, 1365, 2325, 2605, 2821, 4341, 5425, 6945, 7161,$ $7441, 8401, 9765, 10045, 11005, 11781, \text{ or } 12741 \pmod{13020}$ except $n = 1365, 2325, 2605, 2821, 4341, 5425$
35	94	$n \equiv 1, 1505, 2961, 5265, 6721, 8225, 9401, \text{ or } 11985 \pmod{13160}$ except $n = 1505, 2961, 5265$
35	95	$n \equiv 1, 3325, 3725, 3801, 7525, 9101, 12825, \text{ or } 12901 \pmod{13300}$ except $n = 3325, 3725, 3801$

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Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	96	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
35	97	$n \equiv 1, 1261, 8925, 10185, 10865, 11641, 12125, \text{ or } 12901 \pmod{13580}$ except $n = 1261$
35	98	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{13720}$ except $n = 2401, 2745, 5145$
35	99	$n \equiv 1, 441, 1485, 1981, 3025, 3465, 4005, 5005, 5545,$ $5985, 7525, 9801, 11341, 11781, 12321, \text{ or } 13321 \pmod{13860}$ except $n = 441, 1485, 1981, 3025, 3465,$ $4005, 5005, 5545, 5985$
35	100	$n \equiv 1, 2625, 8001, \text{ or } 8625 \pmod{14000}$ except $n = 2625$
35	101	$n \equiv 1, 505, 2121, 4445, 6161, 8485, 10101, \text{ or } 10605 \pmod{14140}$ except $n = 505, 2121, 4445, 6161$
35	102	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
35	103	$n \equiv 1, 721, 2885, 3605, 6181, 8961, 9065, \text{ or } 11845 \pmod{14420}$ except $n = 721, 2885, 3605, 6181$
35	104	$n \equiv 1, 3745, 4641, 5825, 6721, 10465, 12481, \text{ or } 12545 \pmod{14560}$ except $n = 3745, 4641, 5825, 6721$
35	105	$n \equiv 1, 1225, 2401, 8625, 9801, 11025, 12201, \text{ or } 13525 \pmod{14700}$ except $n = 1225, 2401$
35	106	$n \equiv 1, 1961, 2121, 4081, 8905, 10865, 11025, \text{ or } 12985 \pmod{14840}$ except $n = 1961, 2121, 4081$
35	107	$n \equiv 1, 3745, 5565, 6741, 8561, 10165, 11985, \text{ or } 13161 \pmod{14980}$ except $n = 3745, 5565, 6741$
35	108	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
35	109	$n \equiv 1, 981, 4361, 5341, 6105, 7085, 10465, \text{ or } 11445 \pmod{15260}$ except $n = 981, 4361, 5341, 6105, 7085$

*continued on next page*

Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	110	$n \equiv 1, 1001, 3025, 6601, 8625, 9625, 9801, \text{ or } 15225 \pmod{15400}$ except $n = 1001, 3025, 6601$
35	111	$n \equiv 1, 925, 2961, 3885, 4921, 5181, 6105, 7105, 7141,$ $9325, 10101, 12285, 12321, 13321, 14245, \text{ or } 14505 \pmod{15540}$ except $n = 925, 2961, 3885, 4921, 5181, 6105, 7105, 7141$
35	112	$n \equiv 1, 7105, 10241, \text{ or } 12545 \pmod{15680}$ except $n = 7105$
35	113	$n \equiv 1, 2261, 3165, 5425, 6441, 8701, 9605, \text{ or } 11865 \pmod{15820}$ except $n = 2261, 3165, 5425, 6441$
35	114	$n \equiv 1, 1065, 2185, 3801, 4921, 5985, 6385, 6441, 9121,$ $10185, 10641, 11305, 11761, 12825, 15505, \text{ or } 15561 \pmod{15960}$ except $n = 1065, 2185, 3801, 4921, 5985, 6385, 6441$
35	115	$n \equiv 1, 4025, 6601, 8625, 8925, 11201, 11501, \text{ or } 13525 \pmod{16100}$ except $n = 4025, 6601$
35	116	$n \equiv 1, 2465, 4641, 7105, 8961, 9745, 13601, \text{ or } 14385 \pmod{16240}$ except $n = 2465, 4641, 7105$
35	117	$n \equiv 1, 1261, 3745, 4005, 5005, 5265, 7021, 7281, 8281,$ $8541, 11025, 12285, 13105, 14301, 14365, \text{ or } 15561 \pmod{16380}$ except $n = 1261, 3745, 4005, 5005, 5265, 7021, 7281$
35	118	$n \equiv 1, 945, 1121, 2065, 3305, 4425, 14161, \text{ or } 15281 \pmod{16520}$ except $n = 945, 1121, 2065, 3305, 4425$
35	119	$n \equiv 1, 1225, 2941, 4165, 6665, 9605, 11221, \text{ or } 14161 \pmod{16660}$ except $n = 1225, 2941, 4165, 6665$
35	120	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
35	121	$n \equiv 1, 2541, 2905, 3025, 9681, 9801, 10165, \text{ or } 12705 \pmod{16940}$ except $n = 2541, 2905, 3025$
35	122	$n \equiv 1, 1281, 2745, 6161, 8785, 12201, 13665, \text{ or } 14945 \pmod{17080}$ except $n = 1281, 2745, 6161$

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Table 34: Superspectra for  $p = 35$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
35	123	$n \equiv 1, 861, 1681, 2625, 3445, 4305, 4921, 5125, 6601,$ $8365, 10045, 11481, 13161, 14925, 16401, \text{ or } 16605 \pmod{17220}$ except $n = 861, 1681, 2625, 3445, 4305,$ $4921, 5125, 6601, 8365$
35	124	$n \equiv 1, 5425, 6945, 7441, 8401, 14385, 15345, \text{ or } 15841 \pmod{17360}$ except $n = 5425, 6945, 7441, 8401$
35	125	$n \equiv 1, 13125, 15001, \text{ or } 15625 \pmod{17500}$
35	126	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
35	127	$n \equiv 1, 1905, 2541, 4445, 5461, 8001, 14225, \text{ or } 16765 \pmod{17780}$ except $n = 1905, 2541, 4445, 5461, 8001$
35	128	$n \equiv 1, 3585, 10241, \text{ or } 13825 \pmod{17920}$ except $n = 3585$

Table 35: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 36$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
36	2	$n \equiv 1 \text{ or } 225 \pmod{288}$
36	3	$n \equiv 1 \text{ or } 81 \pmod{432}$ except $n = 81$
36	4	$n \equiv 1 \text{ or } 513 \pmod{576}$
36	5	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
36	6	$n \equiv 1 \text{ or } 513 \pmod{864}$
36	7	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
36	8	$n \equiv 1 \text{ or } 513 \pmod{1152}$ except $n = 513$
36	9	$n \equiv 1 \text{ or } 81 \pmod{1296}$ except $n = 81$
36	10	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
36	11	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$

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Table 35: Superspectra for  $p = 36$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
36	12	$n \equiv 1$ or $513 \pmod{1728}$ except $n = 513$
36	13	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
36	14	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
36	15	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
36	16	$n \equiv 1$ or $513 \pmod{2304}$ except $n = 513$
36	17	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
36	18	$n \equiv 1$ or $1377 \pmod{2592}$
36	19	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
36	20	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
36	21	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
36	22	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
36	23	$n \equiv 1, 369, 2737, \text{ or } 3105 \pmod{3312}$ except $n = 369$
36	24	$n \equiv 1$ or $513 \pmod{3456}$ except $n = 513$
36	25	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
36	26	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
36	27	$n \equiv 1$ or $2673 \pmod{3888}$
36	28	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
36	29	$n \equiv 1, 145, 3249, \text{ or } 3393 \pmod{4176}$ except $n = 145$
36	30	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
36	31	$n \equiv 1, 1953, 2449, \text{ or } 3969 \pmod{4464}$ except $n = 1953$
36	32	$n \equiv 1$ or $513 \pmod{4608}$ except $n = 513$
36	33	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
36	34	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
36	35	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
36	36	$n \equiv 1$ or $3969 \pmod{5184}$

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Table 35: Superspectra for  $p = 36$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
36	37	$n \equiv 1, 1665, 2961, \text{ or } 4033 \pmod{5328}$ except $n = 1665$
36	38	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
36	39	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
36	40	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
36	41	$n \equiv 1, 369, 657, \text{ or } 5617 \pmod{5904}$ except $n = 369, 657$
36	42	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
36	43	$n \equiv 1, 1377, 2881, \text{ or } 4257 \pmod{6192}$ except $n = 1377, 2881$
36	44	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
36	45	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
36	46	$n \equiv 1, 3105, 3681, \text{ or } 6049 \pmod{6624}$ except $n = 3105$
36	47	$n \equiv 1, 2961, 4465, \text{ or } 5265 \pmod{6768}$ except $n = 2961$
36	48	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
36	49	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
36	50	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
36	51	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
36	52	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
36	53	$n \equiv 1, 2385, 3393, \text{ or } 6625 \pmod{7632}$ except $n = 2385, 3393$
36	54	$n \equiv 1 \text{ or } 6561 \pmod{7776}$
36	55	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
36	56	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
36	57	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
36	58	$n \equiv 1, 3393, 4321, \text{ or } 7425 \pmod{8352}$ except $n = 3393$
36	59	$n \equiv 1, 945, 4897, \text{ or } 5841 \pmod{8496}$ except $n = 945$
36	60	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
36	61	$n \equiv 1, 1953, 5185, \text{ or } 7137 \pmod{8784}$ except $n = 1953$

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Table 35: Superspectra for  $p = 36$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
36	62	$n \equiv 1, 1953, 3969, \text{ or } 6913 \pmod{8928}$ except $n = 1953, 3969$
36	63	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
36	64	$n \equiv 1 \text{ or } 5121 \pmod{9216}$
36	65	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
36	66	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
36	67	$n \equiv 1, 1809, 2881, \text{ or } 8577 \pmod{9648}$ except $n = 1809, 2881$
36	68	$n \equiv 1, 1089, 5185, \text{ or } 6273 \pmod{9792}$ except $n = 1089$
36	69	$n \equiv 1, 3105, 6049, \text{ or } 6993 \pmod{9936}$ except $n = 3105$
36	70	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
36	71	$n \equiv 1, 4545, 5041, \text{ or } 9585 \pmod{10224}$ except $n = 4545, 5041$
36	72	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
36	73	$n \equiv 1, 657, 5329, \text{ or } 5841 \pmod{10512}$ except $n = 657$
36	74	$n \equiv 1, 1665, 4033, \text{ or } 8289 \pmod{10656}$ except $n = 1665, 4033$
36	75	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
36	76	$n \equiv 1, 513, 1729, \text{ or } 9729 \pmod{10944}$ except $n = 513, 1729$
36	77	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
36	78	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
36	79	$n \equiv 1, 2449, 2529, \text{ or } 4977 \pmod{11376}$ except $n = 2449, 2529, 4977$
36	80	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
36	81	$n \equiv 1 \text{ or } 6561 \pmod{11664}$
36	82	$n \equiv 1, 6273, 6561, \text{ or } 11521 \pmod{11808}$
36	83	$n \equiv 1, 2241, 4897, \text{ or } 9297 \pmod{11952}$ except $n = 2241, 4897$
36	84	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$

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Table 35: Superspectra for  $p = 36$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
36	85	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
36	86	$n \equiv 1, 1377, 2881, \text{ or } 4257 \pmod{12384}$ except $n = 1377, 2881, 4257$
36	87	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{12528}$ except $n = 4321$
36	88	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
36	89	$n \equiv 1, 801, 5697, \text{ or } 7921 \pmod{12816}$ except $n = 801, 5697$
36	90	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
36	91	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
36	92	$n \equiv 1, 9729, 10305, \text{ or } 12673 \pmod{13248}$
36	93	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{13392}$ except $n = 3969$
36	94	$n \equiv 1, 9729, 11233, \text{ or } 12033 \pmod{13536}$
36	95	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
36	96	$n \equiv 1 \text{ or } 513 \pmod{13824}$ except $n = 513$
36	97	$n \equiv 1, 3105, 4753, \text{ or } 7857 \pmod{13968}$ except $n = 3105, 4753$
36	98	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
36	99	$n \equiv 1, 2673, 7777, \text{ or } 9153 \pmod{14256}$ except $n = 2673$
36	100	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
36	101	$n \equiv 1, 4545, 7777, \text{ or } 11313 \pmod{14544}$ except $n = 4545$
36	102	$n \equiv 1, 1377, 5185, \text{ or } 10881 \pmod{14688}$ except $n = 1377, 5185$
36	103	$n \equiv 1, 721, 13185, \text{ or } 13905 \pmod{14832}$ except $n = 721$
36	104	$n \equiv 1, 1665, 9217, \text{ or } 10881 \pmod{14976}$ except $n = 1665$
36	105	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
36	106	$n \equiv 1, 3393, 6625, \text{ or } 10017 \pmod{15264}$ except $n = 3393, 6625$
36	107	$n \equiv 1, 3745, 6849, \text{ or } 10593 \pmod{15408}$ except $n = 3745, 6849$

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Table 35: Superspectra for  $p = 36$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
36	108	$n \equiv 1$ or $14337 \pmod{15552}$
36	109	$n \equiv 1, 4033, 8721, \text{ or } 12753 \pmod{15696}$ except $n = 4033$
36	110	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
36	111	$n \equiv 1, 6993, 8289, \text{ or } 14689 \pmod{15984}$ except $n = 6993$
36	112	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
36	113	$n \equiv 1, 1809, 7345, \text{ or } 9153 \pmod{16272}$ except $n = 1809, 7345$
36	114	$n \equiv 1, 513, 1729, \text{ or } 15201 \pmod{16416}$ except $n = 513, 1729$
36	115	$n \equiv 1, 3105, 3681, 6625, 9361, 10305, 13041, \text{ or } 15985 \pmod{16560}$ except $n = 3105, 3681, 6625$
36	116	$n \equiv 1, 3393, 7425, \text{ or } 12673 \pmod{16704}$ except $n = 3393, 7425$
36	117	$n \equiv 1, 5265, 9153, \text{ or } 12961 \pmod{16848}$ except $n = 5265$
36	118	$n \equiv 1, 4897, 9441, \text{ or } 14337 \pmod{16992}$ except $n = 4897$
36	119	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
36	120	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
36	121	$n \equiv 1, 1089, 3025, \text{ or } 15489 \pmod{17424}$ except $n = 1089, 3025$
36	122	$n \equiv 1, 1953, 5185, \text{ or } 7137 \pmod{17568}$ except $n = 1953, 5185, 7137$
36	123	$n \equiv 1, 5617, 6561, \text{ or } 12177 \pmod{17712}$ except $n = 5617, 6561$
36	124	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{17856}$ except $n = 3969, 6913$
36	125	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{18000}$ except $n = 6625, 8001$
36	126	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
36	127	$n \equiv 1, 8001, 10161, \text{ or } 16129 \pmod{18288}$ except $n = 8001$
36	128	$n \equiv 1$ or $14337 \pmod{18432}$



Table 36: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 37$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
37	2	$n \equiv 1$ or $185 \pmod{296}$
37	3	$n \equiv 1, 37, 297, \text{ or } 333 \pmod{444}$ except $n = 37$
37	4	$n \equiv 1$ or $481 \pmod{592}$
37	5	$n \equiv 1, 185, 445, \text{ or } 481 \pmod{740}$ except $n = 185$
37	6	$n \equiv 1, 297, 481, \text{ or } 777 \pmod{888}$ except $n = 297$
37	7	$n \equiv 1, 777, 889, \text{ or } 925 \pmod{1036}$
37	8	$n \equiv 1$ or $481 \pmod{1184}$ except $n = 481$
37	9	$n \equiv 1, 37, 297, \text{ or } 333 \pmod{1332}$ except $n = 37, 297, 333$
37	10	$n \equiv 1, 185, 481, \text{ or } 1185 \pmod{1480}$ except $n = 185, 481$
37	11	$n \equiv 1, 297, 925, \text{ or } 1221 \pmod{1628}$ except $n = 297$
37	12	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{1776}$ except $n = 481$
37	13	$n \equiv 1, 481, 741, \text{ or } 1665 \pmod{1924}$ except $n = 481, 741$
37	14	$n \equiv 1, 777, 889, \text{ or } 1961 \pmod{2072}$ except $n = 777, 889$
37	15	$n \equiv 1, 445, 481, 741, 925, 1185, 1221, \text{ or } 1665 \pmod{2220}$ except $n = 445, 481, 741, 925$
37	16	$n \equiv 1$ or $1665 \pmod{2368}$
37	17	$n \equiv 1, 629, 1037, \text{ or } 2109 \pmod{2516}$ except $n = 629, 1037$
37	18	$n \equiv 1, 297, 1369, \text{ or } 1665 \pmod{2664}$ except $n = 297$
37	19	$n \equiv 1, 741, 1369, \text{ or } 2109 \pmod{2812}$ except $n = 741, 1369$
37	20	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{2960}$ except $n = 481, 1185$
37	21	$n \equiv 1, 777, 889, 925, 1813, 2073, 2961, \text{ or } 2997 \pmod{3108}$ except $n = 777, 889, 925$
37	22	$n \equiv 1, 297, 2553, \text{ or } 2849 \pmod{3256}$ except $n = 297$
37	23	$n \equiv 1, 185, 2369, \text{ or } 2553 \pmod{3404}$ except $n = 185$
37	24	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{3552}$ except $n = 481, 1185, 1665$

*continued on next page*

Table 36: Superspectra for  $p = 37$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
37	25	$n \equiv 1, 925, 1925, \text{ or } 2701 \pmod{3700}$ except $n = 925$
37	26	$n \equiv 1, 481, 1665, \text{ or } 2665 \pmod{3848}$ except $n = 481, 1665$
37	27	$n \equiv 1, 297, 2701, \text{ or } 2997 \pmod{3996}$ except $n = 297$
37	28	$n \equiv 1, 2849, 2961, \text{ or } 4033 \pmod{4144}$
37	29	$n \equiv 1, 1073, 2553, \text{ or } 2813 \pmod{4292}$ except $n = 1073$
37	30	$n \equiv 1, 481, 1185, 1665, 2665, 2961, 3145, \text{ or } 3441 \pmod{4440}$ except $n = 481, 1185, 1665$
37	31	$n \equiv 1, 1333, 2109, \text{ or } 3441 \pmod{4588}$ except $n = 1333, 2109$
37	32	$n \equiv 1 \text{ or } 1665 \pmod{4736}$ except $n = 1665$
37	33	$n \equiv 1, 297, 925, 1221, 1629, 2553, 3553, \text{ or } 4477 \pmod{4884}$ except $n = 297, 925, 1221, 1629$
37	34	$n \equiv 1, 3145, 3553, \text{ or } 4625 \pmod{5032}$
37	35	$n \equiv 1, 925, 1925, 1961, 2961, 3885, 4145, \text{ or } 4921 \pmod{5180}$ except $n = 925, 1925, 1961$
37	36	$n \equiv 1, 1665, 2961, \text{ or } 4033 \pmod{5328}$ except $n = 1665$
37	37	$n \equiv 1 \text{ or } 1369 \pmod{5476}$ except $n = 1369$
37	38	$n \equiv 1, 1369, 3553, \text{ or } 4921 \pmod{5624}$ except $n = 1369$
37	39	$n \equiv 1, 481, 741, 1665, 2665, 3589, 3849, \text{ or } 4329 \pmod{5772}$ except $n = 481, 741, 1665, 2665$
37	40	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{5920}$ except $n = 481, 1185, 1665$
37	41	$n \equiv 1, 1517, 2665, \text{ or } 4921 \pmod{6068}$ except $n = 1517, 2665$
37	42	$n \equiv 1, 777, 889, 2073, 2961, 4033, 4921, \text{ or } 6105 \pmod{6216}$ except $n = 777, 889, 2073, 2961$
37	43	$n \equiv 1, 1333, 3441, \text{ or } 4773 \pmod{6364}$ except $n = 1333$
37	44	$n \equiv 1, 2849, 3553, \text{ or } 5809 \pmod{6512}$ except $n = 2849$
37	45	$n \equiv 1, 1665, 2665, 2701, 2961, 5365, 5625, \text{ or } 5661 \pmod{6660}$ except $n = 1665, 2665, 2701, 2961$

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Table 36: Superspectra for  $p = 37$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
37	46	$n \equiv 1, 185, 2369, \text{ or } 2553 \pmod{6808}$ except $n = 185, 2369, 2553$
37	47	$n \equiv 1, 2257, 2961, \text{ or } 5217 \pmod{6956}$ except $n = 2257, 2961$
37	48	$n \equiv 1, 1665, 4033, \text{ or } 4737 \pmod{7104}$ except $n = 1665$
37	49	$n \equiv 1, 1813, 1961, \text{ or } 7105 \pmod{7252}$ except $n = 1813, 1961$
37	50	$n \equiv 1, 4625, 5625, \text{ or } 6401 \pmod{7400}$
37	51	$n \equiv 1, 2109, 2517, 3145, 3553, 5661, 6069, \text{ or } 7141 \pmod{7548}$ except $n = 2109, 2517, 3145, 3553$
37	52	$n \equiv 1, 481, 1665, \text{ or } 6513 \pmod{7696}$ except $n = 481, 1665$
37	53	$n \equiv 1, 1961, 4293, \text{ or } 5513 \pmod{7844}$ except $n = 1961$
37	54	$n \equiv 1, 297, 6697, \text{ or } 6993 \pmod{7992}$ except $n = 297$
37	55	$n \equiv 1, 925, 1221, 1925, 4181, 4885, 5181, \text{ or } 6105 \pmod{8140}$ except $n = 925, 1221, 1925$
37	56	$n \equiv 1, 2849, 4033, \text{ or } 7105 \pmod{8288}$ except $n = 2849, 4033$
37	57	$n \equiv 1, 741, 1369, 2109, 3553, 4921, 5625, \text{ or } 6993 \pmod{8436}$ except $n = 741, 1369, 2109, 3553$
37	58	$n \equiv 1, 1073, 2553, \text{ or } 7105 \pmod{8584}$ except $n = 1073, 2553$
37	59	$n \equiv 1, 6549, 6845, \text{ or } 8437 \pmod{8732}$
37	60	$n \equiv 1, 481, 1185, 1665, 2961, 3441, 7105, \text{ or } 7585 \pmod{8880}$ except $n = 481, 1185, 1665, 2961, 3441$
37	61	$n \equiv 1, 1037, 1221, \text{ or } 2257 \pmod{9028}$ except $n = 1037, 1221, 2257$
37	62	$n \equiv 1, 3441, 5921, \text{ or } 6697 \pmod{9176}$ except $n = 3441$
37	63	$n \equiv 1, 2961, 2997, 3997, 4033, 6993, 8029, \text{ or } 8289 \pmod{9324}$ except $n = 2961, 2997, 3997, 4033$
37	64	$n \equiv 1 \text{ or } 6401 \pmod{9472}$
37	65	$n \equiv 1, 481, 741, 1665, 1925, 2405, 2665, \text{ or } 9361 \pmod{9620}$ except $n = 481, 741, 1665, 1925, 2405, 2665$

*continued on next page*

Table 36: Superspectra for  $p = 37$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
37	66	$n \equiv 1, 297, 2553, 3553, 5809, 6105, 6513, \text{ or } 9361 \pmod{9768}$ except $n = 297, 2553, 3553$
37	67	$n \equiv 1, 1073, 6365, \text{ or } 7437 \pmod{9916}$ except $n = 1073$
37	68	$n \equiv 1, 3553, 4625, \text{ or } 8177 \pmod{10064}$ except $n = 3553, 4625$
37	69	$n \equiv 1, 2553, 3405, 3589, 5773, 6993, 9177, \text{ or } 9361 \pmod{10212}$ except $n = 2553, 3405, 3589$
37	70	$n \equiv 1, 1961, 2961, 4145, 4921, 6105, 7105, \text{ or } 9065 \pmod{10360}$ except $n = 1961, 2961, 4145, 4921$
37	71	$n \equiv 1, 7881, 8733, \text{ or } 9657 \pmod{10508}$
37	72	$n \equiv 1, 1665, 4033, \text{ or } 8289 \pmod{10656}$ except $n = 1665, 4033$
37	73	$n \equiv 1, 2701, 5329, \text{ or } 8177 \pmod{10804}$ except $n = 2701, 5329$
37	74	$n \equiv 1 \text{ or } 1369 \pmod{10952}$ except $n = 1369$
37	75	$n \equiv 1, 925, 2701, 5625, 7401, 8325, 9325, \text{ or } 10101 \pmod{11100}$ except $n = 925, 2701$
37	76	$n \equiv 1, 3553, 6993, \text{ or } 10545 \pmod{11248}$ except $n = 3553$
37	77	$n \equiv 1, 925, 1925, 2849, 5181, 6105, 8141, \text{ or } 9065 \pmod{11396}$ except $n = 925, 1925, 2849, 5181$
37	78	$n \equiv 1, 481, 1665, 2665, 3849, 4329, 6513, \text{ or } 9361 \pmod{11544}$ except $n = 481, 1665, 2665, 3849, 4329$
37	79	$n \equiv 1, 1185, 7585, \text{ or } 8769 \pmod{11692}$ except $n = 1185$
37	80	$n \equiv 1, 1665, 6401, \text{ or } 7105 \pmod{11840}$ except $n = 1665$
37	81	$n \equiv 1, 2997, 4293, \text{ or } 10693 \pmod{11988}$ except $n = 2997, 4293$
37	82	$n \equiv 1, 2665, 4921, \text{ or } 7585 \pmod{12136}$ except $n = 2665, 4921$
37	83	$n \equiv 1, 333, 8881, \text{ or } 9213 \pmod{12284}$ except $n = 333$
37	84	$n \equiv 1, 2961, 4033, 6993, 7105, 8289, 11137, \text{ or } 12321 \pmod{12432}$ except $n = 2961, 4033$
37	85	$n \equiv 1, 3145, 4625, 5661, 7141, 8585, 10065, \text{ or } 11101 \pmod{12580}$ except $n = 3145, 4625, 5661$

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Table 36: Superspectra for  $p = 37$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
37	86	$n \equiv 1, 3441, 7697, \text{ or } 11137 \pmod{12728}$ except $n = 3441$
37	87	$n \equiv 1, 2553, 4293, 5365, 7105, 9657, 11137, \text{ or } 11397 \pmod{12876}$ except $n = 2553, 4293, 5365$
37	88	$n \equiv 1, 2849, 3553, \text{ or } 12321 \pmod{13024}$ except $n = 2849, 3553$
37	89	$n \equiv 1, 445, 2849, \text{ or } 3293 \pmod{13172}$ except $n = 445, 2849, 3293$
37	90	$n \equiv 1, 1665, 2665, 2961, 5625, 9361, 12025, \text{ or } 12321 \pmod{13320}$ except $n = 1665, 2665, 2961, 5625$
37	91	$n \equiv 1, 1925, 8177, 10101, 10361, 11285, 12285, \text{ or } 13209 \pmod{13468}$ except $n = 1925$
37	92	$n \equiv 1, 2369, 6993, \text{ or } 9361 \pmod{13616}$ except $n = 2369$
37	93	$n \equiv 1, 1333, 2109, 3441, 6697, 8029, 9177, \text{ or } 10509 \pmod{13764}$ except $n = 1333, 2109, 3441, 6697$
37	94	$n \equiv 1, 2257, 2961, \text{ or } 5217 \pmod{13912}$ except $n = 2257, 2961, 5217$
37	95	$n \equiv 1, 741, 4181, 4921, 5625, 6365, 9805, \text{ or } 10545 \pmod{14060}$ except $n = 741, 4181, 4921, 5625, 6365$
37	96	$n \equiv 1, 1665, 4737, \text{ or } 11137 \pmod{14208}$ except $n = 1665, 4737$
37	97	$n \equiv 1, 777, 2813, \text{ or } 3589 \pmod{14356}$ except $n = 777, 2813, 3589$
37	98	$n \equiv 1, 1961, 7105, \text{ or } 9065 \pmod{14504}$ except $n = 1961, 7105$
37	99	$n \equiv 1, 297, 1629, 9361, 10693, 10989, 12321, \text{ or } 13321 \pmod{14652}$ except $n = 297, 1629$
37	100	$n \equiv 1, 4625, 6401, \text{ or } 13025 \pmod{14800}$ except $n = 4625, 6401$
37	101	$n \equiv 1, 3737, 8585, \text{ or } 10101 \pmod{14948}$ except $n = 3737$
37	102	$n \equiv 1, 3145, 3553, 9657, 10065, 13209, 13617, \text{ or } 14689 \pmod{15096}$ except $n = 3145, 3553$
37	103	$n \equiv 1, 2369, 9065, \text{ or } 11433 \pmod{15244}$ except $n = 2369$
37	104	$n \equiv 1, 481, 1665, \text{ or } 14209 \pmod{15392}$ except $n = 481, 1665$

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Table 36: Superspectra for  $p = 37$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
37	105	$n \equiv 1, 925, 2961, 3885, 4921, 5181, 6105, 7105, 7141,$ $9325, 10101, 12285, 12321, 13321, 14245, \text{ or } 14505 \pmod{15540}$ except $n = 925, 2961, 3885, 4921, 5181, 6105, 7105, 7141$
37	106	$n \equiv 1, 1961, 5513, \text{ or } 12137 \pmod{15688}$ except $n = 1961, 5513$
37	107	$n \equiv 1, 2997, 8881, \text{ or } 11877 \pmod{15836}$ except $n = 2997$
37	108	$n \equiv 1, 6993, 8289, \text{ or } 14689 \pmod{15984}$ except $n = 6993$
37	109	$n \equiv 1, 4033, 6105, \text{ or } 14061 \pmod{16132}$ except $n = 4033, 6105$
37	110	$n \equiv 1, 6105, 9065, 9361, 10065, 12321, 13025, \text{ or } 13321 \pmod{16280}$ except $n = 6105$
37	111	$n \equiv 1, 1369, 10953, \text{ or } 12321 \pmod{16428}$ except $n = 1369$
37	112	$n \equiv 1, 4033, 7105, \text{ or } 11137 \pmod{16576}$ except $n = 4033, 7105$
37	113	$n \equiv 1, 4181, 10397, \text{ or } 10509 \pmod{16724}$ except $n = 4181$
37	114	$n \equiv 1, 1369, 3553, 4921, 5625, 6993, 9177, \text{ or } 10545 \pmod{16872}$ except $n = 1369, 3553, 4921, 5625, 6993$
37	115	$n \equiv 1, 185, 3405, 9361, 12581, 12765, 13801, \text{ or } 15985 \pmod{17020}$ except $n = 185, 3405$
37	116	$n \equiv 1, 1073, 7105, \text{ or } 11137 \pmod{17168}$ except $n = 1073, 7105$
37	117	$n \equiv 1, 1665, 2665, 4329, 9361, 9621, 12025, \text{ or } 12285 \pmod{17316}$ except $n = 1665, 2665, 4329$
37	118	$n \equiv 1, 15281, 15577, \text{ or } 17169 \pmod{17464}$
37	119	$n \equiv 1, 1037, 5033, 6069, 7141, 8177, 12173, \text{ or } 13209 \pmod{17612}$ except $n = 1037, 5033, 6069, 7141, 8177$
37	120	$n \equiv 1, 481, 1185, 1665, 7105, 7585, 11841, \text{ or } 12321 \pmod{17760}$ except $n = 481, 1185, 1665, 7105, 7585$
37	121	$n \equiv 1, 4477, 5809, \text{ or } 16577 \pmod{17908}$ except $n = 4477, 5809$
37	122	$n \equiv 1, 2257, 10065, \text{ or } 10249 \pmod{18056}$ except $n = 2257$
37	123	$n \equiv 1, 2665, 4921, 6069, 7585, 8733, 10989, \text{ or } 13653 \pmod{18204}$ except $n = 2665, 4921, 6069, 7585, 8733$

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Table 36: Superspectra for  $p = 37$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
37	124	$n \equiv 1, 3441, 5921, \text{ or } 15873 \pmod{18352}$ except $n = 3441, 5921$
37	125	$n \equiv 1, 4625, 5625, \text{ or } 17501 \pmod{18500}$ except $n = 4625, 5625$
37	126	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 13321, \text{ or } 17353 \pmod{18648}$ except $n = 2961, 4033, 6993, 8289$
37	127	$n \equiv 1, 889, 13209, \text{ or } 14097 \pmod{18796}$ except $n = 889$
37	128	$n \equiv 1 \text{ or } 15873 \pmod{18944}$

Table 37: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 38$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
38	2	$n \equiv 1 \text{ or } 209 \pmod{304}$
38	3	$n \equiv 1, 57, 153, \text{ or } 361 \pmod{456}$ except $n = 57, 153$
38	4	$n \equiv 1 \text{ or } 513 \pmod{608}$
38	5	$n \equiv 1, 305, 361, \text{ or } 665 \pmod{760}$ except $n = 305, 361$
38	6	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
38	7	$n \equiv 1, 57, 609, \text{ or } 665 \pmod{1064}$ except $n = 57$
38	8	$n \equiv 1 \text{ or } 513 \pmod{1216}$ except $n = 513$
38	9	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{1368}$ except $n = 153, 361, 513$
38	10	$n \equiv 1, 305, 1121, \text{ or } 1425 \pmod{1520}$ except $n = 305$
38	11	$n \equiv 1, 209, 913, \text{ or } 969 \pmod{1672}$ except $n = 209$
38	12	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
38	13	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{1976}$ except $n = 209$
38	14	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{2128}$ except $n = 609$
38	15	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$

*continued on next page*

Table 37: Superspectra for  $p = 38$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
38	16	$n \equiv 1$ or $513 \pmod{2432}$ except $n = 513$
38	17	$n \equiv 1, 153, 817, \text{ or } 969 \pmod{2584}$ except $n = 153, 817, 969$
38	18	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
38	19	$n \equiv 1$ or $361 \pmod{2888}$ except $n = 361$
38	20	$n \equiv 1, 1121, 1825, \text{ or } 2945 \pmod{3040}$ except $n = 1121$
38	21	$n \equiv 1, 57, 609, 1065, 1729, 2185, 2737, \text{ or } 2793 \pmod{3192}$ except $n = 57, 609, 1065$
38	22	$n \equiv 1, 209, 913, \text{ or } 2641 \pmod{3344}$ except $n = 209, 913$
38	23	$n \equiv 1, 2185, 2737, \text{ or } 2945 \pmod{3496}$
38	24	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
38	25	$n \equiv 1, 1425, 1825, \text{ or } 3401 \pmod{3800}$ except $n = 1425, 1825$
38	26	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{3952}$ except $n = 209, 1521, 1729$
38	27	$n \equiv 1, 513, 1729, \text{ or } 2889 \pmod{4104}$ except $n = 513, 1729$
38	28	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{4256}$ except $n = 609, 1121, 1729$
38	29	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{4408}$ except $n = 609$
38	30	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
38	31	$n \equiv 1, 2945, 3193, \text{ or } 4465 \pmod{4712}$
38	32	$n \equiv 1$ or $513 \pmod{4864}$ except $n = 513$
38	33	$n \equiv 1, 913, 969, 1881, 2641, 3345, 3553, \text{ or } 4257 \pmod{5016}$ except $n = 913, 969, 1881$
38	34	$n \equiv 1, 817, 2737, \text{ or } 3553 \pmod{5168}$ except $n = 817$
38	35	$n \equiv 1, 665, 1065, 1121, 2185, 3801, 4865, \text{ or } 4921 \pmod{5320}$ except $n = 665, 1065, 1121, 2185$
38	36	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
38	37	$n \equiv 1, 1369, 3553, \text{ or } 4921 \pmod{5624}$ except $n = 1369$
38	38	$n \equiv 1$ or $3249 \pmod{5776}$

*continued on next page*



Table 37: Superspectra for  $p = 38$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
38	39	$n \equiv 1, 1521, 1729, 1977, 2185, 3705, 4161, \text{ or } 5473 \pmod{5928}$ except $n = 1521, 1729, 1977, 2185$
38	40	$n \equiv 1, 2945, 4161, \text{ or } 4865 \pmod{6080}$ except $n = 2945$
38	41	$n \equiv 1, 2337, 3649, \text{ or } 4921 \pmod{6232}$ except $n = 2337$
38	42	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
38	43	$n \equiv 1, 817, 3097, \text{ or } 4257 \pmod{6536}$ except $n = 817, 3097$
38	44	$n \equiv 1, 3553, 4257, \text{ or } 5985 \pmod{6688}$
38	45	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
38	46	$n \equiv 1, 2737, 2945, \text{ or } 5681 \pmod{6992}$ except $n = 2737, 2945$
38	47	$n \equiv 1, 1881, 2585, \text{ or } 4465 \pmod{7144}$ except $n = 1881, 2585$
38	48	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
38	49	$n \equiv 1, 2793, 4313, \text{ or } 5929 \pmod{7448}$ except $n = 2793$
38	50	$n \equiv 1, 1425, 1825, \text{ or } 7201 \pmod{7600}$ except $n = 1425, 1825$
38	51	$n \equiv 1, 153, 817, 969, 2737, 3553, 5169, \text{ or } 5985 \pmod{7752}$ except $n = 153, 817, 969, 2737, 3553$
38	52	$n \equiv 1, 1729, 4161, \text{ or } 5473 \pmod{7904}$ except $n = 1729$
38	53	$n \equiv 1, 1273, 5777, \text{ or } 7049 \pmod{8056}$ except $n = 1273$
38	54	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
38	55	$n \equiv 1, 1881, 2585, 2641, 3345, 5225, 5985, \text{ or } 7601 \pmod{8360}$ except $n = 1881, 2585, 2641, 3345$
38	56	$n \equiv 1, 1729, 4865, \text{ or } 5377 \pmod{8512}$ except $n = 1729$
38	57	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{8664}$ except $n = 361, 2889, 3249$
38	58	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{8816}$ except $n = 609, 3249, 3857$
38	59	$n \equiv 1, 1121, 3953, \text{ or } 6137 \pmod{8968}$ except $n = 1121, 3953$

*continued on next page*

Table 37: Superspectra for  $p = 38$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
38	60	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
38	61	$n \equiv 1, 305, 7809, \text{ or } 8113 \pmod{9272}$ except $n = 305$
38	62	$n \equiv 1, 2945, 4465, \text{ or } 7905 \pmod{9424}$ except $n = 2945, 4465$
38	63	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 8569 \pmod{9576}$ except $n = 1729, 2737, 3249, 4257$
38	64	$n \equiv 1 \text{ or } 513 \pmod{9728}$ except $n = 513$
38	65	$n \equiv 1, 1521, 2185, 3705, 4161, 5681, 7905, \text{ or } 9425 \pmod{9880}$ except $n = 1521, 2185, 3705, 4161$
38	66	$n \equiv 1, 913, 2641, 3345, 3553, 4257, 5985, \text{ or } 6897 \pmod{10032}$ except $n = 913, 2641, 3345, 3553, 4257$
38	67	$n \equiv 1, 1273, 3953, \text{ or } 7505 \pmod{10184}$ except $n = 1273, 3953$
38	68	$n \equiv 1, 3553, 5985, \text{ or } 7905 \pmod{10336}$ except $n = 3553$
38	69	$n \equiv 1, 2185, 2737, 6441, 6993, 9177, 9729, \text{ or } 9937 \pmod{10488}$ except $n = 2185, 2737$
38	70	$n \equiv 1, 1121, 4865, 5985, 6385, 7505, 9121, \text{ or } 10241 \pmod{10640}$ except $n = 1121, 4865$
38	71	$n \equiv 1, 1065, 5681, \text{ or } 6745 \pmod{10792}$ except $n = 1065$
38	72	$n \equiv 1, 513, 1729, \text{ or } 9729 \pmod{10944}$ except $n = 513, 1729$
38	73	$n \equiv 1, 1825, 2337, \text{ or } 4161 \pmod{11096}$ except $n = 1825, 2337, 4161$
38	74	$n \equiv 1, 3553, 6993, \text{ or } 10545 \pmod{11248}$ except $n = 3553$
38	75	$n \equiv 1, 1425, 1825, 3801, 5625, 7201, 9025, \text{ or } 11001 \pmod{11400}$ except $n = 1425, 1825, 3801, 5625$
38	76	$n \equiv 1 \text{ or } 9025 \pmod{11552}$
38	77	$n \equiv 1, 1673, 4257, 4313, 5929, 5985, 8569, \text{ or } 10241 \pmod{11704}$ except $n = 1673, 4257, 4313$
38	78	$n \equiv 1, 1521, 1729, 4161, 5473, 7905, 8113, \text{ or } 9633 \pmod{11856}$ except $n = 1521, 1729, 4161, 5473$

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Table 37: Superspectra for  $p = 38$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
38	79	$n \equiv 1, 7505, 9481, \text{ or } 10033 \pmod{12008}$
38	80	$n \equiv 1, 2945, 4865, \text{ or } 10241 \pmod{12160}$ except $n = 2945, 4865$
38	81	$n \equiv 1, 4617, 5833, \text{ or } 11097 \pmod{12312}$ except $n = 4617, 5833$
38	82	$n \equiv 1, 2337, 3649, \text{ or } 11153 \pmod{12464}$ except $n = 2337, 3649$
38	83	$n \equiv 1, 665, 913, \text{ or } 1577 \pmod{12616}$ except $n = 665, 913, 1577$
38	84	$n \equiv 1, 609, 1729, 4257, 5377, 5985, 9121, \text{ or } 9633 \pmod{12768}$ except $n = 609, 1729, 4257, 5377, 5985$
38	85	$n \equiv 1, 2585, 3401, 5321, 5985, 7905, 8721, \text{ or } 11305 \pmod{12920}$ except $n = 2585, 3401, 5321, 5985$
38	86	$n \equiv 1, 817, 4257, \text{ or } 9633 \pmod{13072}$ except $n = 817, 4257$
38	87	$n \equiv 1, 609, 3249, 5017, 7657, 8265, 8817, \text{ or } 12673 \pmod{13224}$ except $n = 609, 3249, 5017$
38	88	$n \equiv 1, 10241, 10945, \text{ or } 12673 \pmod{13376}$
38	89	$n \equiv 1, 1425, 3649, \text{ or } 5073 \pmod{13528}$ except $n = 1425, 3649, 5073$
38	90	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
38	91	$n \equiv 1, 1729, 2185, 5929, 7449, 8113, 9633, \text{ or } 13377 \pmod{13832}$ except $n = 1729, 2185, 5929$
38	92	$n \equiv 1, 2945, 9729, \text{ or } 12673 \pmod{13984}$ except $n = 2945$
38	93	$n \equiv 1, 3193, 4465, 4713, 7657, 7905, 9177, \text{ or } 12369 \pmod{14136}$ except $n = 3193, 4465, 4713$
38	94	$n \equiv 1, 4465, 9025, \text{ or } 9729 \pmod{14288}$ except $n = 4465$
38	95	$n \equiv 1, 361, 8665, \text{ or } 9025 \pmod{14440}$ except $n = 361$
38	96	$n \equiv 1, 513, 5377, \text{ or } 9729 \pmod{14592}$ except $n = 513, 5377$
38	97	$n \equiv 1, 5529, 10089, \text{ or } 10185 \pmod{14744}$ except $n = 5529$
38	98	$n \equiv 1, 10241, 11761, \text{ or } 13377 \pmod{14896}$

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Table 37: Superspectra for  $p = 38$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
38	99	$n \equiv 1, 1881, 4257, 5985, 8361, 8569, 10945, \text{ or } 12673 \pmod{15048}$ except $n = 1881, 4257, 5985$
38	100	$n \equiv 1, 1825, 7201, \text{ or } 9025 \pmod{15200}$ except $n = 1825, 7201$
38	101	$n \equiv 1, 13433, 13737, \text{ or } 15049 \pmod{15352}$
38	102	$n \equiv 1, 817, 2737, 3553, 5169, 5985, 7905, \text{ or } 8721 \pmod{15504}$ except $n = 817, 2737, 3553, 5169, 5985$
38	103	$n \equiv 1, 3193, 6593, \text{ or } 9785 \pmod{15656}$ except $n = 3193, 6593$
38	104	$n \equiv 1, 1729, 4161, \text{ or } 13377 \pmod{15808}$ except $n = 1729, 4161$
38	105	$n \equiv 1, 1065, 2185, 3801, 4921, 5985, 6385, 6441, 9121,$ $10185, 10641, 11305, 11761, 12825, 15505, \text{ or } 15561 \pmod{15960}$ except $n = 1065, 2185, 3801, 4921, 5985, 6385, 6441$
38	106	$n \equiv 1, 5777, 9329, \text{ or } 15105 \pmod{16112}$ except $n = 5777$
38	107	$n \equiv 1, 2033, 2889, \text{ or } 15409 \pmod{16264}$ except $n = 2033, 2889$
38	108	$n \equiv 1, 513, 1729, \text{ or } 15201 \pmod{16416}$ except $n = 513, 1729$
38	109	$n \equiv 1, 5777, 8721, \text{ or } 14497 \pmod{16568}$ except $n = 5777$
38	110	$n \equiv 1, 2641, 3345, 5985, 7601, 10241, 10945, \text{ or } 13585 \pmod{16720}$ except $n = 2641, 3345, 5985, 7601$
38	111	$n \equiv 1, 1369, 3553, 4921, 5625, 6993, 9177, \text{ or } 10545 \pmod{16872}$ except $n = 1369, 3553, 4921, 5625, 6993$
38	112	$n \equiv 1, 4865, 5377, \text{ or } 10241 \pmod{17024}$ except $n = 4865, 5377$
38	113	$n \equiv 1, 6441, 10849, \text{ or } 12769 \pmod{17176}$ except $n = 6441$
38	114	$n \equiv 1, 3249, 9025, \text{ or } 11553 \pmod{17328}$ except $n = 3249$
38	115	$n \equiv 1, 2185, 2945, 5681, 6441, 13225, 13985, \text{ or } 16721 \pmod{17480}$ except $n = 2185, 2945, 5681, 6441$
38	116	$n \equiv 1, 609, 12065, \text{ or } 12673 \pmod{17632}$ except $n = 609$
38	117	$n \equiv 1, 1521, 1729, 5473, 10089, 13833, 14041, \text{ or } 15561 \pmod{17784}$ except $n = 1521, 1729, 5473$
38	118	$n \equiv 1, 1121, 3953, \text{ or } 15105 \pmod{17936}$ except $n = 1121, 3953$

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Table 37: Superspectra for  $p = 38$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
38	119	$n \equiv 1, 2737, 5321, 5985, 8569, 11305, 13889, \text{ or } 15505 \pmod{18088}$ except $n = 2737, 5321, 5985, 8569$
38	120	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
38	121	$n \equiv 1, 969, 5929, \text{ or } 6897 \pmod{18392}$ except $n = 969, 5929, 6897$
38	122	$n \equiv 1, 305, 7809, \text{ or } 8113 \pmod{18544}$ except $n = 305, 7809, 8113$
38	123	$n \equiv 1, 2337, 3649, 4921, 8569, 12465, 16113, \text{ or } 17385 \pmod{18696}$ except $n = 2337, 3649, 4921, 8569$
38	124	$n \equiv 1, 2945, 7905, \text{ or } 13889 \pmod{18848}$ except $n = 2945, 7905$
38	125	$n \equiv 1, 5625, 11001, \text{ or } 16625 \pmod{19000}$ except $n = 5625$
38	126	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 18145 \pmod{19152}$ except $n = 1729, 2737, 3249, 4257, 5985, 6993$
38	127	$n \equiv 1, 2033, 10033, \text{ or } 12065 \pmod{19304}$ except $n = 2033$
38	128	$n \equiv 1 \text{ or } 10241 \pmod{19456}$

Table 38: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 39$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	2	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{312}$ except $n = 105$
39	3	$n \equiv 1, 117, 261, \text{ or } 325 \pmod{468}$ except $n = 117$
39	4	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$
39	5	$n \equiv 1, 105, 261, 325, 481, 585, 625, \text{ or } 741 \pmod{780}$ except $n = 105, 261, 325$
39	6	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
39	7	$n \equiv 1, 105, 169, 273, 469, 637, 729, \text{ or } 897 \pmod{1092}$ except $n = 105, 169, 273, 469$

*continued on next page*

Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	8	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
39	9	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{1404}$ except $n = 325$
39	10	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
39	11	$n \equiv 1, 429, 573, 781, 793, 1353, 1365, \text{ or } 1573 \pmod{1716}$ except $n = 429, 573, 781, 793$
39	12	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
39	13	$n \equiv 1, 169, 1353, \text{ or } 1521 \pmod{2028}$ except $n = 169$
39	14	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
39	15	$n \equiv 1, 261, 325, 585, 1261, 1405, 1521, \text{ or } 1665 \pmod{2340}$ except $n = 261, 325, 585$
39	16	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
39	17	$n \equiv 1, 273, 885, 1105, 1717, 1989, 2041, \text{ or } 2601 \pmod{2652}$ except $n = 273, 885, 1105$
39	18	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$
39	19	$n \equiv 1, 741, 1197, 1521, 1729, 1977, 2185, \text{ or } 2509 \pmod{2964}$ except $n = 741, 1197$
39	20	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
39	21	$n \equiv 1, 469, 729, 1197, 1261, 1729, 1989, \text{ or } 2457 \pmod{3276}$ except $n = 469, 729, 1197, 1261$
39	22	$n \equiv 1, 793, 1353, 2145, 2289, 2497, 3081, \text{ or } 3289 \pmod{3432}$ except $n = 793, 1353$
39	23	$n \equiv 1, 897, 1105, 1197, 2185, 2301, 3289, \text{ or } 3381 \pmod{3588}$ except $n = 897, 1105, 1197$
39	24	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$

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Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	25	$n \equiv 1, 325, 625, 2301, 2601, 2925, 3225, \text{ or } 3601 \pmod{3900}$ except $n = 325, 625$
39	26	$n \equiv 1, 169, 1353, \text{ or } 1521 \pmod{4056}$ except $n = 169, 1353, 1521$
39	27	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{4212}$ except $n = 325, 729, 1053$
39	28	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
39	29	$n \equiv 1, 117, 261, 1509, 1885, 3133, 3277, \text{ or } 3393 \pmod{4524}$ except $n = 117, 261, 1509, 1885$
39	30	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
39	31	$n \equiv 1, 1209, 1365, 2821, 2977, 3069, 3225, \text{ or } 4681 \pmod{4836}$ except $n = 1209, 1365$
39	32	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
39	33	$n \equiv 1, 793, 3069, 3861, 4005, 4213, 4797, \text{ or } 5005 \pmod{5148}$ except $n = 793$
39	34	$n \equiv 1, 273, 1105, 2041, 2601, 3537, 4369, \text{ or } 4641 \pmod{5304}$ except $n = 273, 1105, 2041, 2601$
39	35	$n \equiv 1, 105, 1261, 1365, 1561, 1821, 2185, 2821, 3081,$ $3381, 3445, 3745, 4005, 4641, 5005, \text{ or } 5265 \pmod{5460}$ except $n = 105, 1261, 1365, 1561, 1821, 2185$
39	36	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
39	37	$n \equiv 1, 481, 741, 1665, 2665, 3589, 3849, \text{ or } 4329 \pmod{5772}$ except $n = 481, 741, 1665, 2665$
39	38	$n \equiv 1, 1521, 1729, 1977, 2185, 3705, 4161, \text{ or } 5473 \pmod{5928}$ except $n = 1521, 1729, 1977, 2185$
39	39	$n \equiv 1, 1521, 2197, \text{ or } 5409 \pmod{6084}$ except $n = 1521, 2197$
39	40	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$

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Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	41	$n \equiv 1, 1353, 2133, 2665, 3445, 4797, 5577, \text{ or } 5617 \pmod{6396}$ except $n = 1353, 2133, 2665$
39	42	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
39	43	$n \equiv 1, 1677, 2925, 3225, 3913, 4473, 5161, \text{ or } 5461 \pmod{6708}$ except $n = 1677, 2925, 3225$
39	44	$n \equiv 1, 2145, 2289, 2497, 4225, 4785, 6513, \text{ or } 6721 \pmod{6864}$ except $n = 2145, 2289, 2497$
39	45	$n \equiv 1, 325, 1405, 3861, 4941, 5265, 5941, \text{ or } 6345 \pmod{7020}$ except $n = 325, 1405$
39	46	$n \equiv 1, 897, 1105, 2185, 3289, 4785, 5889, \text{ or } 6969 \pmod{7176}$ except $n = 897, 1105, 2185, 3289$
39	47	$n \equiv 1, 1833, 2445, 2821, 3901, 5265, 6345, \text{ or } 6721 \pmod{7332}$ except $n = 1833, 2445, 2821$
39	48	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
39	49	$n \equiv 1, 637, 2353, 3381, 5097, 5733, 5929, \text{ or } 7449 \pmod{7644}$ except $n = 637, 2353, 3381$
39	50	$n \equiv 1, 625, 2601, 3225, 3601, 4225, 6201, \text{ or } 6825 \pmod{7800}$ except $n = 625, 2601, 3225, 3601$
39	51	$n \equiv 1, 1989, 2601, 2925, 3537, 6409, 7021, \text{ or } 7345 \pmod{7956}$ except $n = 1989, 2601, 2925, 3537$
39	52	$n \equiv 1, 1521, 4225, \text{ or } 5409 \pmod{8112}$ except $n = 1521$
39	53	$n \equiv 1, 637, 2757, 2809, 3393, 3445, 5565, \text{ or } 6201 \pmod{8268}$ except $n = 637, 2757, 2809, 3393, 3445$
39	54	$n \equiv 1, 729, 4537, \text{ or } 5265 \pmod{8424}$ except $n = 729$
39	55	$n \equiv 1, 781, 1365, 2145, 3081, 3861, 4005, 4225, 4785,$ $5005, 5721, 5941, 6501, 6721, 6865, \text{ or } 7645 \pmod{8580}$ except $n = 781, 1365, 2145, 3081, 3861, 4005, 4225$

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Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	56	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
39	57	$n \equiv 1, 1197, 1521, 1729, 4941, 5149, 5473, \text{ or } 6669 \pmod{8892}$ except $n = 1197, 1521, 1729$
39	58	$n \equiv 1, 3393, 4641, 4785, 6033, 6409, 7657, \text{ or } 7801 \pmod{9048}$ except $n = 3393$
39	59	$n \equiv 1, 885, 1417, 2301, 3069, 4485, 7021, \text{ or } 8437 \pmod{9204}$ except $n = 885, 1417, 2301, 3069, 4485$
39	60	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
39	61	$n \equiv 1, 793, 2197, 4941, 6345, 7137, 8113, \text{ or } 8541 \pmod{9516}$ except $n = 793, 2197$
39	62	$n \equiv 1, 1209, 2977, 3225, 4681, 6201, 7657, \text{ or } 7905 \pmod{9672}$ except $n = 1209, 2977, 3225, 4681$
39	63	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 7021, \text{ or } 7749 \pmod{9828}$ except $n = 729, 1729, 2457, 4537$
39	64	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
39	65	$n \equiv 1, 1521, 3381, 4225, 6085, 7605, 8281, \text{ or } 9465 \pmod{10140}$ except $n = 1521, 3381, 4225$
39	66	$n \equiv 1, 793, 8217, 9009, 9153, 9361, 9945, \text{ or } 10153 \pmod{10296}$ except $n = 793$
39	67	$n \equiv 1, 469, 2145, 2613, 5629, 6097, 6969, \text{ or } 7437 \pmod{10452}$ except $n = 469, 2145, 2613$
39	68	$n \equiv 1, 273, 1105, 3537, 4369, 4641, 7345, \text{ or } 7905 \pmod{10608}$ except $n = 273, 1105, 3537, 4369, 4641$
39	69	$n \equiv 1, 1197, 6877, 8073, 8281, 9361, 9477, \text{ or } 10557 \pmod{10764}$ except $n = 1197$

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Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	70	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
39	71	$n \equiv 1, 781, 1989, 2769, 3693, 4473, 9373, \text{ or } 10153 \pmod{11076}$ except $n = 781, 1989, 2769, 3693, 4473$
39	72	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
39	73	$n \equiv 1, 585, 949, 4161, 4381, 7593, 7957, \text{ or } 8541 \pmod{11388}$ except $n = 585, 949, 4161, 4381$
39	74	$n \equiv 1, 481, 1665, 2665, 3849, 4329, 6513, \text{ or } 9361 \pmod{11544}$ except $n = 481, 1665, 2665, 3849, 4329$
39	75	$n \equiv 1, 325, 2601, 2925, 3601, 6201, 8425, \text{ or } 11025 \pmod{11700}$ except $n = 325, 2601, 2925, 3601$
39	76	$n \equiv 1, 1521, 1729, 4161, 5473, 7905, 8113, \text{ or } 9633 \pmod{11856}$ except $n = 1521, 1729, 4161, 5473$
39	77	$n \equiv 1, 1365, 2289, 3081, 4005, 5005, 5929, 6721, 7645,$ $9009, 9373, 9933, 10297, 10725, 11089, \text{ or } 11649 \pmod{12012}$ except $n = 1365, 2289, 3081, 4005, 5005, 5929$
39	78	$n \equiv 1, 1521, 5409, \text{ or } 8281 \pmod{12168}$ except $n = 1521, 5409$
39	79	$n \equiv 1, 949, 2133, 3081, 6241, 7189, 8217, \text{ or } 9165 \pmod{12324}$ except $n = 949, 2133, 3081$
39	80	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
39	81	$n \equiv 1, 729, 8749, \text{ or } 9477 \pmod{12636}$ except $n = 729$
39	82	$n \equiv 1, 1353, 2665, 5577, 5617, 8529, 9841, \text{ or } 11193 \pmod{12792}$ except $n = 1353, 2665, 5577, 5617$
39	83	$n \equiv 1, 3237, 3901, 4317, 7969, 8217, 11869, \text{ or } 12285 \pmod{12948}$ except $n = 3237, 3901, 4317$
39	84	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$

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Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	85	$n \equiv 1, 885, 1105, 2041, 2601, 2925, 4641, 5305, 7021,$ 7345, 7905, 8841, 9061, 9945, 10881, or 12325 (mod 13260) except $n = 885, 1105, 2041, 2601, 2925, 4641, 5305$
39	86	$n \equiv 1, 3225, 3913, 4473, 5161, 8385, 9633,$ or 12169 (mod 13416) except $n = 3225, 3913, 4473, 5161$
39	87	$n \equiv 1, 117, 261, 3133, 3277, 3393, 6409,$ or 10557 (mod 13572) except $n = 117, 261, 3133, 3277, 3393, 6409$
39	88	$n \equiv 1, 2145, 2497, 4225, 6721, 9153, 11649,$ or 13377 (mod 13728) except $n = 2145, 2497, 4225, 6721$
39	89	$n \equiv 1, 4005, 4629, 5785, 6409, 10413, 11037,$ or 13261 (mod 13884) except $n = 4005, 4629, 5785, 6409$
39	90	$n \equiv 1, 5265, 6345, 7345, 8425, 10881, 11961,$ or 12961 (mod 14040) except $n = 5265, 6345$
39	91	$n \equiv 1, 169, 3381, 3549, 8113, 8281, 9465,$ or 9633 (mod 14196) except $n = 169, 3381, 3549$
39	92	$n \equiv 1, 897, 1105, 4785, 5889, 9361, 10465,$ or 14145 (mod 14352) except $n = 897, 1105, 4785, 5889$
39	93	$n \equiv 1, 3069, 4681, 6201, 7813, 10881, 12493,$ or 12897 (mod 14508) except $n = 3069, 4681, 6201$
39	94	$n \equiv 1, 1833, 5265, 6345, 6721, 9777, 10153,$ or 11233 (mod 14664) except $n = 1833, 5265, 6345, 6721$
39	95	$n \equiv 1, 741, 1521, 2185, 2965, 3705, 4161, 4485, 4941,$ 7125, 7905, 10621, 11401, 13585, 14041, or 14365 (mod 14820) except $n = 741, 1521, 2185, 2965, 3705,$ 4161, 4485, 4941, 7125
39	96	$n \equiv 1, 1665, 9217,$ or 10881 (mod 14976)    except $n = 1665$
39	97	$n \equiv 1, 1261, 3589, 7761, 10089, 11349, 12805,$ or 13677 (mod 15132) except $n = 1261, 3589$
39	98	$n \equiv 1, 2353, 5097, 5929, 7449, 8281, 11025,$ or 13377 (mod 15288) except $n = 2353, 5097, 5929, 7449$

*continued on next page*

Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	99	$n \equiv 1, 3861, 4213, 5941, 9153, 10153, 13365, \text{ or } 15093 \pmod{15444}$ except $n = 3861, 4213, 5941$
39	100	$n \equiv 1, 625, 3601, 4225, 10401, 11025, 14001, \text{ or } 14625 \pmod{15600}$ except $n = 625, 3601, 4225$
39	101	$n \equiv 1, 1717, 4849, 5253, 6565, 6969, 10101, \text{ or } 11817 \pmod{15756}$ except $n = 1717, 4849, 5253, 6565, 6969$
39	102	$n \equiv 1, 2601, 3537, 6409, 7345, 9945, 10881, \text{ or } 14977 \pmod{15912}$ except $n = 2601, 3537, 6409, 7345$
39	103	$n \equiv 1, 4017, 5253, 9373, 9477, 10609, 10713, \text{ or } 14833 \pmod{16068}$ except $n = 4017, 5253$
39	104	$n \equiv 1, 4225, 5409, \text{ or } 9633 \pmod{16224}$ except $n = 4225, 5409$
39	105	$n \equiv 1, 1261, 3745, 4005, 5005, 5265, 7021, 7281, 8281,$ $8541, 11025, 12285, 13105, 14301, 14365, \text{ or } 15561 \pmod{16380}$ except $n = 1261, 3745, 4005, 5005, 5265, 7021, 7281$
39	106	$n \equiv 1, 2809, 3393, 6201, 8905, 11025, 11713, \text{ or } 13833 \pmod{16536}$ except $n = 2809, 3393, 6201$
39	107	$n \equiv 1, 429, 3745, 4173, 5565, 9309, 11557, \text{ or } 15301 \pmod{16692}$ except $n = 429, 3745, 4173, 5565$
39	108	$n \equiv 1, 5265, 9153, \text{ or } 12961 \pmod{16848}$ except $n = 5265$
39	109	$n \equiv 1, 1417, 2289, 4797, 7957, 10465, 11337, \text{ or } 12753 \pmod{17004}$ except $n = 1417, 2289, 4797, 7957$
39	110	$n \equiv 1, 2145, 3081, 4225, 4785, 5721, 6721, 6865, 9361,$ $9945, 12441, 12585, 13585, 14521, 15081, \text{ or } 16225 \pmod{17160}$ except $n = 2145, 3081, 4225, 4785, 5721, 6721, 6865$
39	111	$n \equiv 1, 1665, 2665, 4329, 9361, 9621, 12025, \text{ or } 12285 \pmod{17316}$ except $n = 1665, 2665, 4329$
39	112	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$

*continued on next page*

Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	113	$n \equiv 1, 3277, 4069, 5877, 7345, 9153, 9945, \text{ or } 13221 \pmod{17628}$ except $n = 3277, 4069, 5877, 7345$
39	114	$n \equiv 1, 1521, 1729, 5473, 10089, 13833, 14041, \text{ or } 15561 \pmod{17784}$ except $n = 1521, 1729, 5473$
39	115	$n \equiv 1, 1105, 2185, 2301, 3381, 4485, 4785, 8281, 9361,$ $10465, 10765, 11661, 11961, 13065, 14145, \text{ or } 17641 \pmod{17940}$ except $n = 1105, 2185, 2301, 3381, 4485, 4785, 8281$
39	116	$n \equiv 1, 3393, 4641, 4785, 6033, 15457, 16705, \text{ or } 16849 \pmod{18096}$ except $n = 3393, 4641, 4785, 6033$
39	117	$n \equiv 1, 13689, 14365, \text{ or } 17577 \pmod{18252}$
39	118	$n \equiv 1, 1417, 10089, 11505, 12273, 13689, 16225, \text{ or } 17641 \pmod{18408}$ except $n = 1417$
39	119	$n \equiv 1, 273, 1989, 2653, 4369, 4641, 6189, 7021, 8841,$ $9997, 10557, 12649, 13209, 14365, 16185, \text{ or } 17017 \pmod{18564}$ except $n = 273, 1989, 2653, 4369, 4641, 6189, 7021, 8841$
39	120	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
39	121	$n \equiv 1, 1573, 5929, 8229, 12585, 14157, 14521, \text{ or } 18513 \pmod{18876}$ except $n = 1573, 5929, 8229$
39	122	$n \equiv 1, 793, 6345, 7137, 8113, 11713, 14457, \text{ or } 18057 \pmod{19032}$ except $n = 793, 6345, 7137, 8113$
39	123	$n \equiv 1, 2133, 2665, 4797, 5617, 7749, 16237, \text{ or } 18369 \pmod{19188}$ except $n = 2133, 2665, 4797, 5617, 7749$
39	124	$n \equiv 1, 2977, 7905, 10881, 12897, 14353, 15873, \text{ or } 17329 \pmod{19344}$ except $n = 2977, 7905$
39	125	$n \equiv 1, 625, 6501, 7125, 7501, 8125, 14001, \text{ or } 14625 \pmod{19500}$ except $n = 625, 6501, 7125, 7501, 8125$
39	126	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 16849, \text{ or } 17577 \pmod{19656}$ except $n = 729, 1729, 2457, 4537, 5265$

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Table 38: Superspectra for  $p = 39$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
39	127	$n \equiv 1, 4953, 5461, 6097, 11557, 13209, 18669, \text{ or } 19305 \pmod{19812}$ except $n = 4953, 5461, 6097$
39	128	$n \equiv 1, 6657, 9217, \text{ or } 15873 \pmod{19968}$ except $n = 6657, 9217$

Table 39: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 40$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
40	2	$n \equiv 1 \text{ or } 65 \pmod{320}$ except $n = 65$
40	3	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
40	4	$n \equiv 1 \text{ or } 385 \pmod{640}$
40	5	$n \equiv 1 \text{ or } 225 \pmod{800}$ except $n = 225$
40	6	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
40	7	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
40	8	$n \equiv 1 \text{ or } 1025 \pmod{1280}$
40	9	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
40	10	$n \equiv 1 \text{ or } 1025 \pmod{1600}$
40	11	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
40	12	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
40	13	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
40	14	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
40	15	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
40	16	$n \equiv 1 \text{ or } 1025 \pmod{2560}$ except $n = 1025$
40	17	$n \equiv 1, 545, 1921, \text{ or } 2465 \pmod{2720}$ except $n = 545$
40	18	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
40	19	$n \equiv 1, 1121, 1825, \text{ or } 2945 \pmod{3040}$ except $n = 1121$

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Table 39: Superspectra for  $p = 40$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
40	20	$n \equiv 1$ or $1025 \pmod{3200}$ except $n = 1025$
40	21	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
40	22	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
40	23	$n \equiv 1, 161, 2945, \text{ or } 3105 \pmod{3680}$ except $n = 161$
40	24	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
40	25	$n \equiv 1$ or $2625 \pmod{4000}$
40	26	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
40	27	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
40	28	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
40	29	$n \equiv 1, 2465, 2785, \text{ or } 4321 \pmod{4640}$
40	30	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
40	31	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{4960}$ except $n = 961, 1985$
40	32	$n \equiv 1$ or $1025 \pmod{5120}$ except $n = 1025$
40	33	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
40	34	$n \equiv 1, 1921, 3265, \text{ or } 5185 \pmod{5440}$ except $n = 1921$
40	35	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$
40	36	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
40	37	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{5920}$ except $n = 481, 1185, 1665$
40	38	$n \equiv 1, 2945, 4161, \text{ or } 4865 \pmod{6080}$ except $n = 2945$
40	39	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
40	40	$n \equiv 1$ or $1025 \pmod{6400}$ except $n = 1025$
40	41	$n \equiv 1, 1025, 2625, \text{ or } 4961 \pmod{6560}$ except $n = 1025, 2625$
40	42	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$

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Table 39: Superspectra for  $p = 40$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
40	43	$n \equiv 1, 1505, 2881, \text{ or } 5505 \pmod{6880}$ except $n = 1505, 2881$
40	44	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
40	45	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
40	46	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{7360}$ except $n = 2945$
40	47	$n \equiv 1, 705, 1505, \text{ or } 6721 \pmod{7520}$ except $n = 705, 1505$
40	48	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
40	49	$n \equiv 1, 2401, 4705, \text{ or } 7105 \pmod{7840}$ except $n = 2401$
40	50	$n \equiv 1 \text{ or } 2625 \pmod{8000}$ except $n = 2625$
40	51	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
40	52	$n \equiv 1, 1665, 2561, \text{ or } 4225 \pmod{8320}$ except $n = 1665, 2561$
40	53	$n \equiv 1, 6625, 6785, \text{ or } 8321 \pmod{8480}$
40	54	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
40	55	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
40	56	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
40	57	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
40	58	$n \equiv 1, 7105, 7425, \text{ or } 8961 \pmod{9280}$
40	59	$n \equiv 1, 1121, 5665, \text{ or } 6785 \pmod{9440}$ except $n = 1121$
40	60	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
40	61	$n \equiv 1, 1281, 3905, \text{ or } 5185 \pmod{9760}$ except $n = 1281, 3905$
40	62	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{9920}$ except $n = 961, 1985, 2945$
40	63	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
40	64	$n \equiv 1 \text{ or } 6145 \pmod{10240}$
40	65	$n \equiv 1, 4225, 5825, \text{ or } 8801 \pmod{10400}$ except $n = 4225$

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Table 39: Superspectra for  $p = 40$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
40	66	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
40	67	$n \equiv 1, 2145, 2881, \text{ or } 5025 \pmod{10720}$ except $n = 2145, 2881, 5025$
40	68	$n \equiv 1, 1921, 8705, \text{ or } 10625 \pmod{10880}$ except $n = 1921$
40	69	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
40	70	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$
40	71	$n \equiv 1, 3905, 4545, \text{ or } 10721 \pmod{11360}$ except $n = 3905, 4545$
40	72	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
40	73	$n \equiv 1, 1825, 4161, \text{ or } 9345 \pmod{11680}$ except $n = 1825, 4161$
40	74	$n \equiv 1, 1665, 6401, \text{ or } 7105 \pmod{11840}$ except $n = 1665$
40	75	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
40	76	$n \equiv 1, 2945, 4865, \text{ or } 10241 \pmod{12160}$ except $n = 2945, 4865$
40	77	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
40	78	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
40	79	$n \equiv 1, 1185, 6241, \text{ or } 7585 \pmod{12640}$ except $n = 1185, 6241$
40	80	$n \equiv 1 \text{ or } 1025 \pmod{12800}$ except $n = 1025$
40	81	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
40	82	$n \equiv 1, 1025, 2625, \text{ or } 11521 \pmod{13120}$ except $n = 1025, 2625$
40	83	$n \equiv 1, 2241, 10625, \text{ or } 12865 \pmod{13280}$ except $n = 2241$
40	84	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
40	85	$n \equiv 1, 10625, 11425, \text{ or } 12801 \pmod{13600}$
40	86	$n \equiv 1, 2881, 5505, \text{ or } 8385 \pmod{13760}$ except $n = 2881, 5505$

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Table 39: Superspectra for  $p = 40$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
40	87	$n \equiv 1, 2785, 4321, 4641, 7105, 7425, 8961, \text{ or } 11745 \pmod{13920}$ except $n = 2785, 4321, 4641$
40	88	$n \equiv 1, 7425, 10241, \text{ or } 11265 \pmod{14080}$
40	89	$n \equiv 1, 801, 8545, \text{ or } 9345 \pmod{14240}$ except $n = 801$
40	90	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
40	91	$n \equiv 1, 3745, 4641, 5825, 6721, 10465, 12481, \text{ or } 12545 \pmod{14560}$ except $n = 3745, 4641, 5825, 6721$
40	92	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{14720}$ except $n = 2945, 3841, 6785$
40	93	$n \equiv 1, 961, 6945, 7905, 9921, 10881, 11905, \text{ or } 12865 \pmod{14880}$ except $n = 961, 6945$
40	94	$n \equiv 1, 705, 6721, \text{ or } 9025 \pmod{15040}$ except $n = 705, 6721$
40	95	$n \equiv 1, 1825, 7201, \text{ or } 9025 \pmod{15200}$ except $n = 1825, 7201$
40	96	$n \equiv 1, 5121, 6145, \text{ or } 11265 \pmod{15360}$ except $n = 5121, 6145$
40	97	$n \equiv 1, 3105, 3201, \text{ or } 6305 \pmod{15520}$ except $n = 3105, 3201, 6305$
40	98	$n \equiv 1, 7105, 10241, \text{ or } 12545 \pmod{15680}$ except $n = 7105$
40	99	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
40	100	$n \equiv 1 \text{ or } 10625 \pmod{16000}$
40	101	$n \equiv 1, 4545, 6465, \text{ or } 14241 \pmod{16160}$ except $n = 4545, 6465$
40	102	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
40	103	$n \equiv 1, 5665, 8961, \text{ or } 13185 \pmod{16480}$ except $n = 5665$
40	104	$n \equiv 1, 2561, 9985, \text{ or } 12545 \pmod{16640}$ except $n = 2561$
40	105	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
40	106	$n \equiv 1, 6785, 8321, \text{ or } 15105 \pmod{16960}$ except $n = 6785, 8321$
40	107	$n \equiv 1, 321, 3425, \text{ or } 3745 \pmod{17120}$ except $n = 321, 3425, 3745$

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Table 39: Superspectra for  $p = 40$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
40	108	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
40	109	$n \equiv 1, 545, 7521, \text{ or } 10465 \pmod{17440}$ except $n = 545, 7521$
40	110	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{17600}$ except $n = 3201, 4225, 7425$
40	111	$n \equiv 1, 481, 1185, 1665, 7105, 7585, 11841, \text{ or } 12321 \pmod{17760}$ except $n = 481, 1185, 1665, 7105, 7585$
40	112	$n \equiv 1, 3585, 10241, \text{ or } 13825 \pmod{17920}$ except $n = 3585$
40	113	$n \equiv 1, 1921, 14465, \text{ or } 16385 \pmod{18080}$ except $n = 1921$
40	114	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
40	115	$n \equiv 1, 6625, 11201, \text{ or } 17825 \pmod{18400}$ except $n = 6625$
40	116	$n \equiv 1, 7425, 8961, \text{ or } 16385 \pmod{18560}$ except $n = 7425, 8961$
40	117	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
40	118	$n \equiv 1, 6785, 10561, \text{ or } 15105 \pmod{18880}$ except $n = 6785$
40	119	$n \equiv 1, 2465, 4641, 5985, 10081, 11425, 13601, \text{ or } 16065 \pmod{19040}$ except $n = 2465, 4641, 5985$
40	120	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
40	121	$n \equiv 1, 4961, 7745, \text{ or } 12705 \pmod{19360}$ except $n = 4961, 7745$
40	122	$n \equiv 1, 1281, 3905, \text{ or } 5185 \pmod{19520}$ except $n = 1281, 3905, 5185$
40	123	$n \equiv 1, 2625, 6561, 7585, 11521, 14145, 15745, \text{ or } 18081 \pmod{19680}$ except $n = 2625, 6561, 7585$
40	124	$n \equiv 1, 2945, 10881, \text{ or } 11905 \pmod{19840}$ except $n = 2945$
40	125	$n \equiv 1 \text{ or } 10625 \pmod{20000}$
40	126	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
40	127	$n \equiv 1, 4065, 8001, \text{ or } 12065 \pmod{20320}$ except $n = 4065, 8001$
40	128	$n \equiv 1 \text{ or } 16385 \pmod{20480}$

Table 40: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 41$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
41	2	$n \equiv 1$ or $41 \pmod{328}$ except $n = 41$
41	3	$n \equiv 1, 165, 205,$ or $369 \pmod{492}$ except $n = 165, 205$
41	4	$n \equiv 1$ or $369 \pmod{656}$
41	5	$n \equiv 1, 41, 165,$ or $205 \pmod{820}$ except $n = 41, 165, 205$
41	6	$n \equiv 1, 369, 657,$ or $697 \pmod{984}$ except $n = 369$
41	7	$n \equiv 1, 329, 533,$ or $861 \pmod{1148}$ except $n = 329, 533$
41	8	$n \equiv 1$ or $1025 \pmod{1312}$
41	9	$n \equiv 1, 369, 657,$ or $1189 \pmod{1476}$ except $n = 369, 657$
41	10	$n \equiv 1, 41, 985,$ or $1025 \pmod{1640}$ except $n = 41$
41	11	$n \equiv 1, 165, 1189,$ or $1353 \pmod{1804}$ except $n = 165$
41	12	$n \equiv 1, 369, 657,$ or $1681 \pmod{1968}$ except $n = 369, 657$
41	13	$n \equiv 1, 533, 1313,$ or $1353 \pmod{2132}$ except $n = 533$
41	14	$n \equiv 1, 329, 1681,$ or $2009 \pmod{2296}$ except $n = 329$
41	15	$n \equiv 1, 165, 205, 861, 985, 1641, 1681,$ or $1845 \pmod{2460}$ except $n = 165, 205, 861, 985$
41	16	$n \equiv 1$ or $1025 \pmod{2624}$ except $n = 1025$
41	17	$n \equiv 1, 205, 493,$ or $697 \pmod{2788}$ except $n = 205, 493, 697$
41	18	$n \equiv 1, 369, 657,$ or $2665 \pmod{2952}$ except $n = 369, 657$
41	19	$n \equiv 1, 533, 1805,$ or $2337 \pmod{3116}$ except $n = 533$
41	20	$n \equiv 1, 1025, 1681,$ or $2625 \pmod{3280}$ except $n = 1025$
41	21	$n \equiv 1, 861, 1149, 1477, 1681, 2625, 2829,$ or $3157 \pmod{3444}$ except $n = 861, 1149, 1477, 1681$
41	22	$n \equiv 1, 1353, 1969,$ or $2993 \pmod{3608}$ except $n = 1353$
41	23	$n \equiv 1, 369, 2461,$ or $2829 \pmod{3772}$ except $n = 369$

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Table 40: Superspectra for  $p = 41$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
41	24	$n \equiv 1, 2337, 2625, \text{ or } 3649 \pmod{3936}$
41	25	$n \equiv 1, 1025, 2501, \text{ or } 2625 \pmod{4100}$ except $n = 1025$
41	26	$n \equiv 1, 1313, 1353, \text{ or } 2665 \pmod{4264}$ except $n = 1313, 1353$
41	27	$n \equiv 1, 1189, 2133, \text{ or } 3321 \pmod{4428}$ except $n = 1189, 2133$
41	28	$n \equiv 1, 1681, 2625, \text{ or } 4305 \pmod{4592}$ except $n = 1681$
41	29	$n \equiv 1, 493, 697, \text{ or } 1189 \pmod{4756}$ except $n = 493, 697, 1189$
41	30	$n \equiv 1, 985, 1641, 1681, 2625, 2665, 3321, \text{ or } 4305 \pmod{4920}$ except $n = 985, 1641, 1681$
41	31	$n \equiv 1, 3813, 3937, \text{ or } 4961 \pmod{5084}$
41	32	$n \equiv 1 \text{ or } 1025 \pmod{5248}$ except $n = 1025$
41	33	$n \equiv 1, 165, 1189, 1353, 1969, 3157, 3609, \text{ or } 4797 \pmod{5412}$ except $n = 165, 1189, 1353, 1969$
41	34	$n \equiv 1, 697, 2993, \text{ or } 3281 \pmod{5576}$ except $n = 697$
41	35	$n \equiv 1, 861, 1681, 2625, 3445, 4305, 4921, \text{ or } 5125 \pmod{5740}$ except $n = 861, 1681, 2625$
41	36	$n \equiv 1, 369, 657, \text{ or } 5617 \pmod{5904}$ except $n = 369, 657$
41	37	$n \equiv 1, 1517, 2665, \text{ or } 4921 \pmod{6068}$ except $n = 1517, 2665$
41	38	$n \equiv 1, 2337, 3649, \text{ or } 4921 \pmod{6232}$ except $n = 2337$
41	39	$n \equiv 1, 1353, 2133, 2665, 3445, 4797, 5577, \text{ or } 5617 \pmod{6396}$ except $n = 1353, 2133, 2665$
41	40	$n \equiv 1, 1025, 2625, \text{ or } 4961 \pmod{6560}$ except $n = 1025, 2625$
41	41	$n \equiv 1 \text{ or } 1681 \pmod{6724}$ except $n = 1681$
41	42	$n \equiv 1, 1681, 2625, 4305, 4593, 4921, 6273, \text{ or } 6601 \pmod{6888}$ except $n = 1681, 2625$
41	43	$n \equiv 1, 861, 4429, \text{ or } 5289 \pmod{7052}$ except $n = 861$
41	44	$n \equiv 1, 1969, 2993, \text{ or } 4961 \pmod{7216}$ except $n = 1969, 2993$

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Table 40: Superspectra for  $p = 41$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
41	45	$n \equiv 1, 1845, 2665, 3321, 4141, 5085, 5905, \text{ or } 6561 \pmod{7380}$ except $n = 1845, 2665, 3321$
41	46	$n \equiv 1, 369, 6233, \text{ or } 6601 \pmod{7544}$ except $n = 369$
41	47	$n \equiv 1, 329, 5453, \text{ or } 5781 \pmod{7708}$ except $n = 329$
41	48	$n \equiv 1, 2625, 3649, \text{ or } 6273 \pmod{7872}$ except $n = 2625, 3649$
41	49	$n \equiv 1, 2009, 3773, \text{ or } 6273 \pmod{8036}$ except $n = 2009, 3773$
41	50	$n \equiv 1, 1025, 2625, \text{ or } 6601 \pmod{8200}$ except $n = 1025, 2625$
41	51	$n \equiv 1, 205, 493, 697, 5577, 5781, 6069, \text{ or } 6273 \pmod{8364}$ except $n = 205, 493, 697$
41	52	$n \equiv 1, 1313, 5617, \text{ or } 6929 \pmod{8528}$ except $n = 1313$
41	53	$n \equiv 1, 2173, 3445, \text{ or } 7421 \pmod{8692}$ except $n = 2173, 3445$
41	54	$n \equiv 1, 3321, 5617, \text{ or } 6561 \pmod{8856}$ except $n = 3321$
41	55	$n \equiv 1, 165, 1805, 4961, 6601, 6765, 7381, \text{ or } 8405 \pmod{9020}$ except $n = 165, 1805$
41	56	$n \equiv 1, 2625, 6273, \text{ or } 8897 \pmod{9184}$ except $n = 2625$
41	57	$n \equiv 1, 2337, 3117, 3649, 4921, 6765, 8037, \text{ or } 8569 \pmod{9348}$ except $n = 2337, 3117, 3649$
41	58	$n \equiv 1, 697, 5249, \text{ or } 5945 \pmod{9512}$ except $n = 697$
41	59	$n \equiv 1, 7257, 8201, \text{ or } 8733 \pmod{9676}$
41	60	$n \equiv 1, 1681, 2625, 4305, 5905, 6561, 7585, \text{ or } 8241 \pmod{9840}$ except $n = 1681, 2625, 4305$
41	61	$n \equiv 1, 2501, 5125, \text{ or } 7381 \pmod{10004}$ except $n = 2501$
41	62	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{10168}$ except $n = 3937, 4961$
41	63	$n \equiv 1, 1477, 6273, 7749, 8037, 8569, 9513, \text{ or } 10045 \pmod{10332}$ except $n = 1477$
41	64	$n \equiv 1 \text{ or } 1025 \pmod{10496}$ except $n = 1025$

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Table 40: Superspectra for  $p = 41$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
41	65	$n \equiv 1, 2665, 3445, 3485, 4265, 9061, 9841, \text{ or } 9881 \pmod{10660}$ except $n = 2665, 3445, 3485, 4265$
41	66	$n \equiv 1, 1353, 1969, 3609, 5577, 6601, 8569, \text{ or } 10209 \pmod{10824}$ except $n = 1353, 1969, 3609$
41	67	$n \equiv 1, 3485, 4757, \text{ or } 8241 \pmod{10988}$ except $n = 3485, 4757$
41	68	$n \equiv 1, 2993, 3281, \text{ or } 6273 \pmod{11152}$ except $n = 2993, 3281$
41	69	$n \equiv 1, 369, 2461, 2829, 4141, 6601, 7545, \text{ or } 10005 \pmod{11316}$ except $n = 369, 2461, 2829, 4141$
41	70	$n \equiv 1, 1681, 2625, 4305, 4921, 6601, 9185, \text{ or } 10865 \pmod{11480}$ except $n = 1681, 2625, 4305, 4921$
41	71	$n \equiv 1, 3977, 4757, \text{ or } 8733 \pmod{11644}$ except $n = 3977, 4757$
41	72	$n \equiv 1, 6273, 6561, \text{ or } 11521 \pmod{11808}$
41	73	$n \equiv 1, 657, 2337, \text{ or } 2993 \pmod{11972}$ except $n = 657, 2337, 2993$
41	74	$n \equiv 1, 2665, 4921, \text{ or } 7585 \pmod{12136}$ except $n = 2665, 4921$
41	75	$n \equiv 1, 2625, 4101, 5125, 6601, 9225, 10701, \text{ or } 10825 \pmod{12300}$ except $n = 2625, 4101, 5125$
41	76	$n \equiv 1, 2337, 3649, \text{ or } 11153 \pmod{12464}$ except $n = 2337, 3649$
41	77	$n \equiv 1, 3157, 3773, 6601, 7217, 8569, 9185, \text{ or } 12013 \pmod{12628}$ except $n = 3157, 3773$
41	78	$n \equiv 1, 1353, 2665, 5577, 5617, 8529, 9841, \text{ or } 11193 \pmod{12792}$ except $n = 1353, 2665, 5577, 5617$
41	79	$n \equiv 1, 2133, 7585, \text{ or } 9717 \pmod{12956}$ except $n = 2133$
41	80	$n \equiv 1, 1025, 2625, \text{ or } 11521 \pmod{13120}$ except $n = 1025, 2625$
41	81	$n \equiv 1, 3321, 6561, \text{ or } 10045 \pmod{13284}$ except $n = 3321, 6561$
41	82	$n \equiv 1 \text{ or } 1681 \pmod{13448}$ except $n = 1681$
41	83	$n \equiv 1, 3321, 6889, \text{ or } 10209 \pmod{13612}$ except $n = 3321$
41	84	$n \equiv 1, 1681, 2625, 4305, 4593, 6273, 11809, \text{ or } 13489 \pmod{13776}$ except $n = 1681, 2625, 4305, 4593, 6273$

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Table 40: Superspectra for  $p = 41$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
41	85	$n \equiv 1, 205, 3281, 3485, 5781, 8365, 9061, \text{ or } 11645 \pmod{13940}$ except $n = 205, 3281, 3485, 5781$
41	86	$n \equiv 1, 5289, 7913, \text{ or } 11481 \pmod{14104}$ except $n = 5289$
41	87	$n \equiv 1, 493, 697, 1189, 9513, 10005, 10209, \text{ or } 10701 \pmod{14268}$ except $n = 493, 697, 1189$
41	88	$n \equiv 1, 4961, 9185, \text{ or } 10209 \pmod{14432}$ except $n = 4961$
41	89	$n \equiv 1, 3649, 6765, \text{ or } 11481 \pmod{14596}$ except $n = 3649, 6765$
41	90	$n \equiv 1, 2665, 3321, 5905, 6561, 9225, 11521, \text{ or } 12465 \pmod{14760}$ except $n = 2665, 3321, 5905, 6561$
41	91	$n \equiv 1, 533, 3445, 7749, 10661, 11193, 12013, \text{ or } 14105 \pmod{14924}$ except $n = 533, 3445$
41	92	$n \equiv 1, 369, 13777, \text{ or } 14145 \pmod{15088}$ except $n = 369$
41	93	$n \equiv 1, 3813, 3937, 5085, 9021, 10045, 13981, \text{ or } 15129 \pmod{15252}$ except $n = 3813, 3937, 5085$
41	94	$n \equiv 1, 329, 13161, \text{ or } 13489 \pmod{15416}$ except $n = 329$
41	95	$n \equiv 1, 1805, 4921, 6765, 9881, 11685, 12465, \text{ or } 14801 \pmod{15580}$ except $n = 1805, 4921, 6765$
41	96	$n \equiv 1, 6273, 10497, \text{ or } 11521 \pmod{15744}$ except $n = 6273$
41	97	$n \equiv 1, 3977, 9021, \text{ or } 10865 \pmod{15908}$ except $n = 3977$
41	98	$n \equiv 1, 2009, 6273, \text{ or } 11809 \pmod{16072}$ except $n = 2009, 6273$
41	99	$n \equiv 1, 1189, 3609, 4797, 7381, 8569, 10989, \text{ or } 12177 \pmod{16236}$ except $n = 1189, 3609, 4797, 7381$
41	100	$n \equiv 1, 1025, 2625, \text{ or } 14801 \pmod{16400}$ except $n = 1025, 2625$
41	101	$n \equiv 1, 1313, 2829, \text{ or } 4141 \pmod{16564}$ except $n = 1313, 2829, 4141$
41	102	$n \equiv 1, 697, 5577, 6273, 8569, 8857, 14145, \text{ or } 14433 \pmod{16728}$ except $n = 697, 5577, 6273$
41	103	$n \equiv 1, 4429, 8241, \text{ or } 12669 \pmod{16892}$ except $n = 4429, 8241$
41	104	$n \equiv 1, 1313, 14145, \text{ or } 15457 \pmod{17056}$ except $n = 1313$

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Table 40: Superspectra for  $p = 41$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
41	105	$n \equiv 1, 861, 1681, 2625, 3445, 4305, 4921, 5125, 6601,$ $8365, 10045, 11481, 13161, 14925, 16401, \text{ or } 16605 \pmod{17220}$ except $n = 861, 1681, 2625, 3445, 4305,$ $4921, 5125, 6601, 8365$
41	106	$n \equiv 1, 10865, 12137, \text{ or } 16113 \pmod{17384}$
41	107	$n \equiv 1, 2461, 10701, \text{ or } 13161 \pmod{17548}$ except $n = 2461$
41	108	$n \equiv 1, 5617, 6561, \text{ or } 12177 \pmod{17712}$ except $n = 5617, 6561$
41	109	$n \equiv 1, 4469, 4797, \text{ or } 17549 \pmod{17876}$ except $n = 4469, 4797$
41	110	$n \equiv 1, 4961, 6601, 9185, 10825, 15785, 16401, \text{ or } 17425 \pmod{18040}$ except $n = 4961, 6601$
41	111	$n \equiv 1, 2665, 4921, 6069, 7585, 8733, 10989, \text{ or } 13653 \pmod{18204}$ except $n = 2665, 4921, 6069, 7585, 8733$
41	112	$n \equiv 1, 2625, 6273, \text{ or } 8897 \pmod{18368}$ except $n = 2625, 6273, 8897$
41	113	$n \equiv 1, 4633, 5085, \text{ or } 18081 \pmod{18532}$ except $n = 4633, 5085$
41	114	$n \equiv 1, 2337, 3649, 4921, 8569, 12465, 16113, \text{ or } 17385 \pmod{18696}$ except $n = 2337, 3649, 4921, 8569$
41	115	$n \equiv 1, 2461, 4141, 6601, 7545, 10005, 11685, \text{ or } 14145 \pmod{18860}$ except $n = 2461, 4141, 6601, 7545$
41	116	$n \equiv 1, 5249, 10209, \text{ or } 15457 \pmod{19024}$ except $n = 5249$
41	117	$n \equiv 1, 2133, 2665, 4797, 5617, 7749, 16237, \text{ or } 18369 \pmod{19188}$ except $n = 2133, 2665, 4797, 5617, 7749$
41	118	$n \equiv 1, 7257, 8201, \text{ or } 18409 \pmod{19352}$ except $n = 7257, 8201$
41	119	$n \equiv 1, 6069, 6273, 8365, 8569, 14637, 16933, \text{ or } 17221 \pmod{19516}$ except $n = 6069, 6273, 8365, 8569$
41	120	$n \equiv 1, 2625, 6561, 7585, 11521, 14145, 15745, \text{ or } 18081 \pmod{19680}$ except $n = 2625, 6561, 7585$
41	121	$n \equiv 1, 4961, 7381, \text{ or } 17425 \pmod{19844}$ except $n = 4961, 7381$
41	122	$n \equiv 1, 12505, 15129, \text{ or } 17385 \pmod{20008}$

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Table 40: Superspectra for  $p = 41$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
41	123	$n \equiv 1, 1681, 13449, \text{ or } 15129 \pmod{20172}$ except $n = 1681$
41	124	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{20336}$ except $n = 3937, 4961, 8897$
41	125	$n \equiv 1, 2501, 2625, \text{ or } 5125 \pmod{20500}$ except $n = 2501, 2625, 5125$
41	126	$n \equiv 1, 6273, 8569, 9513, 11809, 18081, 18369, \text{ or } 20377 \pmod{20664}$ except $n = 6273, 8569, 9513$
41	127	$n \equiv 1, 3937, 11685, \text{ or } 15621 \pmod{20828}$ except $n = 3937$
41	128	$n \equiv 1 \text{ or } 1025 \pmod{20992}$ except $n = 1025$

Table 41: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 42$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	2	$n \equiv 1, 49, 225, \text{ or } 273 \pmod{336}$ except $n = 49$
42	3	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
42	4	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
42	5	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
42	6	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
42	7	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{1176}$ except $n = 49, 393, 441$
42	8	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
42	9	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
42	10	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
42	11	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
42	12	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$

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Table 41: Superspectra for  $p = 42$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	13	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
42	14	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
42	15	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
42	16	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
42	17	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
42	18	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
42	19	$n \equiv 1, 57, 609, 1065, 1729, 2185, 2737, \text{ or } 2793 \pmod{3192}$ except $n = 57, 609, 1065$
42	20	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
42	21	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
42	22	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
42	23	$n \equiv 1, 553, 897, 1449, 2185, 2577, 2737, \text{ or } 3129 \pmod{3864}$ except $n = 553, 897, 1449$
42	24	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
42	25	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
42	26	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
42	27	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
42	28	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
42	29	$n \equiv 1, 609, 841, 1393, 2233, 3249, 4089, \text{ or } 4641 \pmod{4872}$ except $n = 609, 841, 1393, 2233$

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Table 41: Superspectra for  $p = 42$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	30	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
42	31	$n \equiv 1, 217, 1737, 1953, 2233, 3193, 3969, \text{ or } 4929 \pmod{5208}$ except $n = 217, 1737, 1953, 2233$
42	32	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
42	33	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
42	34	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
42	35	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
42	36	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
42	37	$n \equiv 1, 777, 889, 2073, 2961, 4033, 4921, \text{ or } 6105 \pmod{6216}$ except $n = 777, 889, 2073, 2961$
42	38	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
42	39	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
42	40	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
42	41	$n \equiv 1, 1681, 2625, 4305, 4593, 4921, 6273, \text{ or } 6601 \pmod{6888}$ except $n = 1681, 2625$
42	42	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
42	43	$n \equiv 1, 1849, 2065, 2409, 3913, 4257, 4473, \text{ or } 6321 \pmod{7224}$ except $n = 1849, 2065, 2409$
42	44	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
42	45	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$

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Table 41: Superspectra for  $p = 42$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	46	$n \equiv 1, 897, 2577, 2737, 4417, 5313, 6049, \text{ or } 6993 \pmod{7728}$ except $n = 897, 2577, 2737$
42	47	$n \equiv 1, 2961, 4089, 4137, 5265, 5593, 6721, \text{ or } 6769 \pmod{7896}$ except $n = 2961$
42	48	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
42	49	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{8232}$ except $n = 2401, 2745$
42	50	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
42	51	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
42	52	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
42	53	$n \equiv 1, 1113, 2121, 4081, 4929, 5089, 5937, \text{ or } 7897 \pmod{8904}$ except $n = 1113, 2121, 4081$
42	54	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
42	55	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
42	56	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
42	57	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 8569 \pmod{9576}$ except $n = 1729, 2737, 3249, 4257$
42	58	$n \equiv 1, 609, 1393, 3249, 4641, 5713, 7105, \text{ or } 8961 \pmod{9744}$ except $n = 609, 1393, 3249, 4641$
42	59	$n \equiv 1, 945, 2065, 4249, 4425, 6609, 7729, \text{ or } 8673 \pmod{9912}$ except $n = 945, 2065, 4249, 4425$
42	60	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
42	61	$n \equiv 1, 1281, 1953, 2745, 3417, 8113, 8785, \text{ or } 9577 \pmod{10248}$ except $n = 1281, 1953, 2745, 3417$

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Table 41: Superspectra for  $p = 42$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	62	$n \equiv 1, 1953, 3969, 4929, 5425, 6945, 7441, \text{ or } 8401 \pmod{10416}$ except $n = 1953, 3969, 4929$
42	63	$n \equiv 1, 3969, 4753, \text{ or } 9801 \pmod{10584}$ except $n = 3969, 4753$
42	64	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$
42	65	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
42	66	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
42	67	$n \equiv 1, 3417, 3753, 6097, 6433, 9849, 10185, \text{ or } 10921 \pmod{11256}$ except $n = 3417, 3753$
42	68	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
42	69	$n \equiv 1, 1449, 2737, 4761, 6049, 6993, 8281, \text{ or } 10305 \pmod{11592}$ except $n = 1449, 2737, 4761$
42	70	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
42	71	$n \equiv 1, 1065, 3409, 4473, 5041, 7953, 8449, \text{ or } 11361 \pmod{11928}$ except $n = 1065, 3409, 4473, 5041$
42	72	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
42	73	$n \equiv 1, 2409, 3577, 4089, 5257, 7665, 9345, \text{ or } 10585 \pmod{12264}$ except $n = 2409, 3577, 4089, 5257$
42	74	$n \equiv 1, 2961, 4033, 6993, 7105, 8289, 11137, \text{ or } 12321 \pmod{12432}$ except $n = 2961, 4033$
42	75	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
42	76	$n \equiv 1, 609, 1729, 4257, 5377, 5985, 9121, \text{ or } 9633 \pmod{12768}$ except $n = 609, 1729, 4257, 5377, 5985$

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Table 41: Superspectra for  $p = 42$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	77	$n \equiv 1, 441, 1177, 1617, 4753, 5929, 8625, \text{ or } 9801 \pmod{12936}$ except $n = 441, 1177, 1617, 4753, 5929$
42	78	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
42	79	$n \equiv 1, 553, 1897, 3081, 4425, 4977, 6321, \text{ or } 11929 \pmod{13272}$ except $n = 553, 1897, 3081, 4425, 4977, 6321$
42	80	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
42	81	$n \equiv 1, 729, 7777, \text{ or } 8505 \pmod{13608}$ except $n = 729$
42	82	$n \equiv 1, 1681, 2625, 4305, 4593, 6273, 11809, \text{ or } 13489 \pmod{13776}$ except $n = 1681, 2625, 4305, 4593, 6273$
42	83	$n \equiv 1, 2241, 2905, 5313, 6889, 9297, 9961, \text{ or } 12201 \pmod{13944}$ except $n = 2241, 2905, 5313, 6889$
42	84	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
42	85	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
42	86	$n \equiv 1, 2065, 4257, 6321, 9073, 9633, 11137, \text{ or } 11697 \pmod{14448}$ except $n = 2065, 4257, 6321$
42	87	$n \equiv 1, 2233, 3249, 5481, 6265, 9513, 10585, \text{ or } 13833 \pmod{14616}$ except $n = 2233, 3249, 5481, 6265$
42	88	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
42	89	$n \equiv 1, 1513, 7833, 9345, 9969, 11481, 12817, \text{ or } 14329 \pmod{14952}$ except $n = 1513$
42	90	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
42	91	$n \equiv 1, 2353, 5097, 5929, 7449, 8281, 11025, \text{ or } 13377 \pmod{15288}$ except $n = 2353, 5097, 5929, 7449$

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Table 41: Superspectra for  $p = 42$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	92	$n \equiv 1, 897, 4417, 5313, 6049, 10305, 10465, \text{ or } 14721 \pmod{15456}$ except $n = 897, 4417, 5313, 6049$
42	93	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 13609, \text{ or } 15345 \pmod{15624}$ except $n = 217, 1737, 1953, 2233, 3969$
42	94	$n \equiv 1, 2961, 5265, 6721, 6769, 11985, 12033, \text{ or } 13489 \pmod{15792}$ except $n = 2961, 5265, 6721, 6769$
42	95	$n \equiv 1, 1065, 2185, 3801, 4921, 5985, 6385, 6441, 9121,$ $10185, 10641, 11305, 11761, 12825, 15505, \text{ or } 15561 \pmod{15960}$ except $n = 1065, 2185, 3801, 4921, 5985, 6385, 6441$
42	96	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
42	97	$n \equiv 1, 777, 4753, 5433, 9409, 10185, 11641, \text{ or } 14841 \pmod{16296}$ except $n = 777, 4753, 5433$
42	98	$n \equiv 1, 2401, 10977, \text{ or } 13377 \pmod{16464}$ except $n = 2401$
42	99	$n \equiv 1, 3025, 4753, 6777, 7777, 9801, 11529, \text{ or } 14553 \pmod{16632}$ except $n = 3025, 4753, 6777, 7777$
42	100	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
42	101	$n \equiv 1, 505, 1617, 2121, 7273, 7777, 11313, \text{ or } 11817 \pmod{16968}$ except $n = 505, 1617, 2121, 7273, 7777$
42	102	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
42	103	$n \equiv 1, 721, 3193, 3297, 5769, 6489, 8961, \text{ or } 14833 \pmod{17304}$ except $n = 721, 3193, 3297, 5769, 6489$
42	104	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
42	105	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
42	106	$n \equiv 1, 4081, 4929, 5089, 5937, 10017, 11025, \text{ or } 16801 \pmod{17808}$ except $n = 4081, 4929, 5089, 5937$

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Table 41: Superspectra for  $p = 42$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	107	$n \equiv 1, 1177, 2569, 3745, 11985, 13161, 14553, \text{ or } 15729 \pmod{17976}$ except $n = 1177, 2569, 3745$
42	108	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
42	109	$n \equiv 1, 2289, 4033, 6105, 10137, 10465, 14497, \text{ or } 16569 \pmod{18312}$ except $n = 2289, 4033, 6105$
42	110	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
42	111	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 13321, \text{ or } 17353 \pmod{18648}$ except $n = 2961, 4033, 6993, 8289$
42	112	$n \equiv 1, 3969, 6273, \text{ or } 16513 \pmod{18816}$ except $n = 3969, 6273$
42	113	$n \equiv 1, 5425, 6441, 11865, 12657, 12769, 18081, \text{ or } 18193 \pmod{18984}$ except $n = 5425, 6441$
42	114	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 18145 \pmod{19152}$ except $n = 1729, 2737, 3249, 4257, 5985, 6993$
42	115	$n \equiv 1, 2185, 3865, 4761, 6441, 6601, 8281, 8625, 10305,$ $10465, 12145, 13041, 14721, 16905, 17641, \text{ or } 18585 \pmod{19320}$ except $n = 2185, 3865, 4761, 6441, 6601, 8281, 8625$
42	116	$n \equiv 1, 609, 4641, 7105, 8961, 11137, 12993, \text{ or } 15457 \pmod{19488}$ except $n = 609, 4641, 7105, 8961$
42	117	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 16849, \text{ or } 17577 \pmod{19656}$ except $n = 729, 1729, 2457, 4537, 5265$
42	118	$n \equiv 1, 945, 2065, 6609, 7729, 8673, 14161, \text{ or } 14337 \pmod{19824}$ except $n = 945, 2065, 6609, 7729, 8673$
42	119	$n \equiv 1, 1225, 6273, 7497, 12937, 13329, 14161, \text{ or } 14553 \pmod{19992}$ except $n = 1225, 6273, 7497$
42	120	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$

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Table 41: Superspectra for  $p = 42$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
42	121	$n \equiv 1, 2905, 3025, 5929, 6777, 9681, 9801, \text{ or } 12705 \pmod{20328}$ except $n = 2905, 3025, 5929, 6777, 9681, 9801$
42	122	$n \equiv 1, 1281, 1953, 8113, 8785, 12993, 13665, \text{ or } 19825 \pmod{20496}$ except $n = 1281, 1953, 8113, 8785$
42	123	$n \equiv 1, 6273, 8569, 9513, 11809, 18081, 18369, \text{ or } 20377 \pmod{20664}$ except $n = 6273, 8569, 9513$
42	124	$n \equiv 1, 1953, 3969, 4929, 6945, 15841, 17857, \text{ or } 18817 \pmod{20832}$ except $n = 1953, 3969, 4929, 6945$
42	125	$n \equiv 1, 2625, 8001, 8625, 9625, 14001, 15001, \text{ or } 15625 \pmod{21000}$ except $n = 2625, 8001, 8625, 9625$
42	126	$n \equiv 1, 3969, 4753, \text{ or } 20385 \pmod{21168}$ except $n = 3969, 4753$
42	127	$n \equiv 1, 889, 1905, 6097, 7113, 8001, 13209, \text{ or } 16129 \pmod{21336}$ except $n = 889, 1905, 6097, 7113, 8001$
42	128	$n \equiv 1, 3073, 14337, \text{ or } 17409 \pmod{21504}$ except $n = 3073$

Table 42: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 43$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
43	2	$n \equiv 1 \text{ or } 129 \pmod{344}$ except $n = 129$
43	3	$n \equiv 1, 129, 301, \text{ or } 345 \pmod{516}$ except $n = 129$
43	4	$n \equiv 1 \text{ or } 129 \pmod{688}$ except $n = 129$
43	5	$n \equiv 1, 301, 345, \text{ or } 645 \pmod{860}$ except $n = 301, 345$
43	6	$n \equiv 1, 129, 345, \text{ or } 817 \pmod{1032}$ except $n = 129, 345$
43	7	$n \equiv 1, 301, 645, \text{ or } 861 \pmod{1204}$ except $n = 301$
43	8	$n \equiv 1 \text{ or } 129 \pmod{1376}$ except $n = 129$
43	9	$n \equiv 1, 1161, 1333, \text{ or } 1377 \pmod{1548}$

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Table 42: Superspectra for  $p = 43$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
43	10	$n \equiv 1, 345, 1161, \text{ or } 1505 \pmod{1720}$ except $n = 345$
43	11	$n \equiv 1, 473, 517, \text{ or } 1849 \pmod{1892}$ except $n = 473, 517$
43	12	$n \equiv 1, 129, 817, \text{ or } 1377 \pmod{2064}$ except $n = 129, 817$
43	13	$n \equiv 1, 689, 989, \text{ or } 1677 \pmod{2236}$ except $n = 689, 989$
43	14	$n \equiv 1, 1505, 1849, \text{ or } 2065 \pmod{2408}$
43	15	$n \equiv 1, 301, 345, 645, 861, 1161, 2065, \text{ or } 2365 \pmod{2580}$ except $n = 301, 345, 645, 861, 1161$
43	16	$n \equiv 1 \text{ or } 129 \pmod{2752}$ except $n = 129$
43	17	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{2924}$ except $n = 817, 1377$
43	18	$n \equiv 1, 1161, 1377, \text{ or } 2881 \pmod{3096}$ except $n = 1161, 1377$
43	19	$n \equiv 1, 817, 989, \text{ or } 3097 \pmod{3268}$ except $n = 817, 989$
43	20	$n \equiv 1, 1505, 2065, \text{ or } 2881 \pmod{3440}$ except $n = 1505$
43	21	$n \equiv 1, 301, 645, 861, 1849, 2065, 2409, \text{ or } 2709 \pmod{3612}$ except $n = 301, 645, 861$
43	22	$n \equiv 1, 473, 1849, \text{ or } 2409 \pmod{3784}$ except $n = 473, 1849$
43	23	$n \equiv 1, 345, 645, \text{ or } 989 \pmod{3956}$ except $n = 345, 645, 989$
43	24	$n \equiv 1, 129, 1377, \text{ or } 2881 \pmod{4128}$ except $n = 129, 1377$
43	25	$n \equiv 1, 301, 2925, \text{ or } 3225 \pmod{4300}$ except $n = 301$
43	26	$n \equiv 1, 689, 3225, \text{ or } 3913 \pmod{4472}$ except $n = 689$
43	27	$n \equiv 1, 1161, 1377, \text{ or } 4429 \pmod{4644}$ except $n = 1161, 1377$
43	28	$n \equiv 1, 1505, 2065, \text{ or } 4257 \pmod{4816}$ except $n = 1505, 2065$
43	29	$n \equiv 1, 1161, 2581, \text{ or } 3741 \pmod{4988}$ except $n = 1161$
43	30	$n \equiv 1, 345, 1161, 2065, 2881, 3225, 3441, \text{ or } 4945 \pmod{5160}$ except $n = 345, 1161, 2065$
43	31	$n \equiv 1, 1333, 3225, \text{ or } 3441 \pmod{5332}$ except $n = 1333$
43	32	$n \equiv 1 \text{ or } 129 \pmod{5504}$ except $n = 129$

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Table 42: Superspectra for  $p = 43$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
43	33	$n \equiv 1, 517, 1849, 1893, 2365, 2409, 3741, \text{ or } 4257 \pmod{5676}$ except $n = 517, 1849, 1893, 2365, 2409$
43	34	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{5848}$ except $n = 817, 1377, 2193$
43	35	$n \equiv 1, 301, 645, 861, 1205, 1505, 2065, \text{ or } 5461 \pmod{6020}$ except $n = 301, 645, 861, 1205, 1505, 2065$
43	36	$n \equiv 1, 1377, 2881, \text{ or } 4257 \pmod{6192}$ except $n = 1377, 2881$
43	37	$n \equiv 1, 1333, 3441, \text{ or } 4773 \pmod{6364}$ except $n = 1333$
43	38	$n \equiv 1, 817, 3097, \text{ or } 4257 \pmod{6536}$ except $n = 817, 3097$
43	39	$n \equiv 1, 1677, 2925, 3225, 3913, 4473, 5161, \text{ or } 5461 \pmod{6708}$ except $n = 1677, 2925, 3225$
43	40	$n \equiv 1, 1505, 2881, \text{ or } 5505 \pmod{6880}$ except $n = 1505, 2881$
43	41	$n \equiv 1, 861, 4429, \text{ or } 5289 \pmod{7052}$ except $n = 861$
43	42	$n \equiv 1, 1849, 2065, 2409, 3913, 4257, 4473, \text{ or } 6321 \pmod{7224}$ except $n = 1849, 2065, 2409$
43	43	$n \equiv 1 \text{ or } 1849 \pmod{7396}$ except $n = 1849$
43	44	$n \equiv 1, 4257, 5633, \text{ or } 6193 \pmod{7568}$
43	45	$n \equiv 1, 1161, 2881, 2925, 4645, 5805, 6021, \text{ or } 7525 \pmod{7740}$ except $n = 1161, 2881, 2925$
43	46	$n \equiv 1, 345, 4601, \text{ or } 4945 \pmod{7912}$ except $n = 345$
43	47	$n \equiv 1, 517, 1505, \text{ or } 2021 \pmod{8084}$ except $n = 517, 1505, 2021$
43	48	$n \equiv 1, 129, 2881, \text{ or } 5505 \pmod{8256}$ except $n = 129, 2881$
43	49	$n \equiv 1, 6321, 6665, \text{ or } 8085 \pmod{8428}$
43	50	$n \equiv 1, 3225, 4601, \text{ or } 7225 \pmod{8600}$ except $n = 3225$
43	51	$n \equiv 1, 817, 1377, 2193, 2925, 3741, 7225, \text{ or } 8041 \pmod{8772}$ except $n = 817, 1377, 2193, 2925, 3741$
43	52	$n \equiv 1, 689, 7697, \text{ or } 8385 \pmod{8944}$ except $n = 689$
43	53	$n \equiv 1, 689, 6149, \text{ or } 6837 \pmod{9116}$ except $n = 689$

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Table 42: Superspectra for  $p = 43$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
43	54	$n \equiv 1, 1161, 1377, \text{ or } 9073 \pmod{9288}$ except $n = 1161, 1377$
43	55	$n \equiv 1, 2365, 3741, 3785, 4301, 7525, 8041, \text{ or } 8085 \pmod{9460}$ except $n = 2365, 3741, 3785, 4301$
43	56	$n \equiv 1, 1505, 4257, \text{ or } 6881 \pmod{9632}$ except $n = 1505, 4257$
43	57	$n \equiv 1, 817, 3097, 4257, 6537, 7353, 7525, \text{ or } 9633 \pmod{9804}$ except $n = 817, 3097, 4257$
43	58	$n \equiv 1, 1161, 7569, \text{ or } 8729 \pmod{9976}$ except $n = 1161$
43	59	$n \equiv 1, 473, 2065, \text{ or } 2537 \pmod{10148}$ except $n = 473, 2065, 2537$
43	60	$n \equiv 1, 2065, 2881, 3441, 4945, 5505, 6321, \text{ or } 8385 \pmod{10320}$ except $n = 2065, 2881, 3441, 4945$
43	61	$n \equiv 1, 7869, 8601, \text{ or } 9761 \pmod{10492}$
43	62	$n \equiv 1, 3225, 3441, \text{ or } 6665 \pmod{10664}$ except $n = 3225, 3441$
43	63	$n \equiv 1, 2709, 4257, 4473, 6021, 7525, 9073, \text{ or } 9289 \pmod{10836}$ except $n = 2709, 4257, 4473$
43	64	$n \equiv 1 \text{ or } 5633 \pmod{11008}$
43	65	$n \equiv 1, 2925, 3225, 5161, 5461, 8385, 8945, \text{ or } 10621 \pmod{11180}$ except $n = 2925, 3225, 5161, 5461$
43	66	$n \equiv 1, 1849, 2409, 4257, 6193, 7569, 8041, \text{ or } 9417 \pmod{11352}$ except $n = 1849, 2409, 4257$
43	67	$n \equiv 1, 2881, 6365, \text{ or } 8041 \pmod{11524}$ except $n = 2881$
43	68	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{11696}$ except $n = 817, 1377, 2193$
43	69	$n \equiv 1, 345, 645, 3957, 4945, 8257, 8557, \text{ or } 8901 \pmod{11868}$ except $n = 345, 645, 3957, 4945$
43	70	$n \equiv 1, 1505, 2065, 6321, 6665, 6881, 7225, \text{ or } 11481 \pmod{12040}$ except $n = 1505, 2065$
43	71	$n \equiv 1, 3053, 4473, \text{ or } 10793 \pmod{12212}$ except $n = 3053, 4473$
43	72	$n \equiv 1, 1377, 2881, \text{ or } 4257 \pmod{12384}$ except $n = 1377, 2881, 4257$
43	73	$n \equiv 1, 2409, 7009, \text{ or } 9417 \pmod{12556}$ except $n = 2409$

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Table 42: Superspectra for  $p = 43$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
43	74	$n \equiv 1, 3441, 7697, \text{ or } 11137 \pmod{12728}$ except $n = 3441$
43	75	$n \equiv 1, 301, 2925, 3225, 7225, 7525, 8601, \text{ or } 8901 \pmod{12900}$ except $n = 301, 2925, 3225$
43	76	$n \equiv 1, 817, 4257, \text{ or } 9633 \pmod{13072}$ except $n = 817, 4257$
43	77	$n \equiv 1, 1849, 2409, 4257, 5677, 7525, 8085, \text{ or } 9933 \pmod{13244}$ except $n = 1849, 2409, 4257, 5677$
43	78	$n \equiv 1, 3225, 3913, 4473, 5161, 8385, 9633, \text{ or } 12169 \pmod{13416}$ except $n = 3225, 3913, 4473, 5161$
43	79	$n \equiv 1, 3397, 6321, \text{ or } 10665 \pmod{13588}$ except $n = 3397, 6321$
43	80	$n \equiv 1, 2881, 5505, \text{ or } 8385 \pmod{13760}$ except $n = 2881, 5505$
43	81	$n \equiv 1, 1377, 9073, \text{ or } 10449 \pmod{13932}$ except $n = 1377$
43	82	$n \equiv 1, 5289, 7913, \text{ or } 11481 \pmod{14104}$ except $n = 5289$
43	83	$n \equiv 1, 3569, 5977, \text{ or } 11869 \pmod{14276}$ except $n = 3569, 5977$
43	84	$n \equiv 1, 2065, 4257, 6321, 9073, 9633, 11137, \text{ or } 11697 \pmod{14448}$ except $n = 2065, 4257, 6321$
43	85	$n \equiv 1, 2925, 3741, 4301, 6665, 7225, 8041, \text{ or } 10965 \pmod{14620}$ except $n = 2925, 3741, 4301, 6665, 7225$
43	86	$n \equiv 1 \text{ or } 1849 \pmod{14792}$ except $n = 1849$
43	87	$n \equiv 1, 1161, 2581, 3741, 4989, 7569, 11137, \text{ or } 13717 \pmod{14964}$ except $n = 1161, 2581, 3741, 4989$
43	88	$n \equiv 1, 4257, 5633, \text{ or } 13761 \pmod{15136}$ except $n = 4257, 5633$
43	89	$n \equiv 1, 2581, 8901, \text{ or } 11481 \pmod{15308}$ except $n = 2581$
43	90	$n \equiv 1, 1161, 2881, 10665, 12385, 13545, 13761, \text{ or } 15265 \pmod{15480}$ except $n = 1161, 2881$
43	91	$n \equiv 1, 3913, 4473, 5461, 9633, 9933, 14105, \text{ or } 15093 \pmod{15652}$ except $n = 3913, 4473, 5461$
43	92	$n \equiv 1, 4945, 8257, \text{ or } 12513 \pmod{15824}$ except $n = 4945$

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Table 42: Superspectra for  $p = 43$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
43	93	$n \equiv 1, 1333, 3225, 3441, 8557, 8773, 10665, \text{ or } 11997 \pmod{15996}$ except $n = 1333, 3225, 3441$
43	94	$n \equiv 1, 1505, 8601, \text{ or } 10105 \pmod{16168}$ except $n = 1505$
43	95	$n \equiv 1, 4085, 6365, 7525, 9805, 10621, 12901, \text{ or } 14061 \pmod{16340}$ except $n = 4085, 6365, 7525$
43	96	$n \equiv 1, 129, 5505, \text{ or } 11137 \pmod{16512}$ except $n = 129, 5505$
43	97	$n \equiv 1, 12513, 12901, \text{ or } 16297 \pmod{16684}$
43	98	$n \equiv 1, 6321, 6665, \text{ or } 16513 \pmod{16856}$ except $n = 6321, 6665$
43	99	$n \equiv 1, 4257, 6193, 7525, 7569, 13717, 13761, \text{ or } 15093 \pmod{17028}$ except $n = 4257, 6193, 7525, 7569$
43	100	$n \equiv 1, 11825, 13201, \text{ or } 15825 \pmod{17200}$
43	101	$n \equiv 1, 2021, 11009, \text{ or } 13029 \pmod{17372}$ except $n = 2021$
43	102	$n \equiv 1, 817, 1377, 2193, 7225, 8041, 11697, \text{ or } 12513 \pmod{17544}$ except $n = 817, 1377, 2193, 7225, 8041$
43	103	$n \equiv 1, 4429, 4945, \text{ or } 17201 \pmod{17716}$ except $n = 4429, 4945$
43	104	$n \equiv 1, 8385, 9633, \text{ or } 16641 \pmod{17888}$ except $n = 8385$
43	105	$n \equiv 1, 301, 645, 861, 2065, 5461, 6021, 6321, 7225,$ $7525, 8085, 11481, 12685, 12901, 13245, \text{ or } 13545 \pmod{18060}$ except $n = 301, 645, 861, 2065, 5461,$ $6021, 6321, 7225, 7525, 8085$
43	106	$n \equiv 1, 689, 15265, \text{ or } 15953 \pmod{18232}$ except $n = 689$
43	107	$n \equiv 1, 4601, 9417, \text{ or } 13589 \pmod{18404}$ except $n = 4601$
43	108	$n \equiv 1, 1377, 9073, \text{ or } 10449 \pmod{18576}$ except $n = 1377, 9073$
43	109	$n \equiv 1, 3053, 11009, \text{ or } 14061 \pmod{18748}$ except $n = 3053$
43	110	$n \equiv 1, 3785, 8041, 11825, 13201, 13761, 16985, \text{ or } 17545 \pmod{18920}$ except $n = 3785, 8041$
43	111	$n \equiv 1, 1333, 3441, 4773, 9805, 11137, 12729, \text{ or } 14061 \pmod{19092}$ except $n = 1333, 3441, 4773$

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Table 42: Superspectra for  $p = 43$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
43	112	$n \equiv 1, 11137, 13889, \text{ or } 16513 \pmod{19264}$
43	113	$n \equiv 1, 14577, 15481, \text{ or } 18533 \pmod{19436}$
43	114	$n \equiv 1, 817, 3097, 4257, 6537, 7353, 9633, \text{ or } 17329 \pmod{19608}$ except $n = 817, 3097, 4257, 6537, 7353, 9633$
43	115	$n \equiv 1, 345, 645, 4301, 4601, 4945, 8901, \text{ or } 15825 \pmod{19780}$ except $n = 345, 645, 4301, 4601, 4945, 8901$
43	116	$n \equiv 1, 7569, 11137, \text{ or } 18705 \pmod{19952}$ except $n = 7569$
43	117	$n \equiv 1, 2925, 4473, 10621, 12169, 15093, 16641, \text{ or } 18577 \pmod{20124}$ except $n = 2925, 4473$
43	118	$n \equiv 1, 473, 2065, \text{ or } 2537 \pmod{20296}$ except $n = 473, 2065, 2537$
43	119	$n \equiv 1, 5117, 6665, 7225, 11697, 13889, 18361, \text{ or } 18921 \pmod{20468}$ except $n = 5117, 6665, 7225$
43	120	$n \equiv 1, 2881, 5505, 8385, 12385, 13761, 15265, \text{ or } 16641 \pmod{20640}$ except $n = 2881, 5505, 8385$
43	121	$n \equiv 1, 15609, 17545, \text{ or } 18877 \pmod{20812}$
43	122	$n \equiv 1, 8601, 9761, \text{ or } 18361 \pmod{20984}$ except $n = 8601, 9761$
43	123	$n \equiv 1, 861, 4429, 5289, 7053, 11481, 14965, \text{ or } 19393 \pmod{21156}$ except $n = 861, 4429, 5289, 7053$
43	124	$n \equiv 1, 3441, 13889, \text{ or } 17329 \pmod{21328}$ except $n = 3441$
43	125	$n \equiv 1, 16125, 17501, \text{ or } 20125 \pmod{21500}$
43	126	$n \equiv 1, 4257, 4473, 9073, 9289, 13545, 16857, \text{ or } 18361 \pmod{21672}$ except $n = 4257, 4473, 9073, 9289$
43	127	$n \equiv 1, 5461, 13589, \text{ or } 13717 \pmod{21844}$ except $n = 5461$
43	128	$n \equiv 1 \text{ or } 5633 \pmod{22016}$ except $n = 5633$



Table 43: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 44$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
44	2	$n \equiv 1$ or $33 \pmod{352}$ except $n = 33$
44	3	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
44	4	$n \equiv 1$ or $385 \pmod{704}$
44	5	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
44	6	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
44	7	$n \equiv 1, 385, 561, \text{ or } 1057 \pmod{1232}$ except $n = 385, 561$
44	8	$n \equiv 1$ or $385 \pmod{1408}$ except $n = 385$
44	9	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
44	10	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
44	11	$n \equiv 1$ or $1089 \pmod{1936}$
44	12	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
44	13	$n \equiv 1, 209, 1937, \text{ or } 2145 \pmod{2288}$ except $n = 209$
44	14	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
44	15	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
44	16	$n \equiv 1$ or $1793 \pmod{2816}$
44	17	$n \equiv 1, 561, 1089, \text{ or } 2465 \pmod{2992}$ except $n = 561, 1089$
44	18	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
44	19	$n \equiv 1, 209, 913, \text{ or } 2641 \pmod{3344}$ except $n = 209, 913$
44	20	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
44	21	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
44	22	$n \equiv 1$ or $1089 \pmod{3872}$ except $n = 1089$
44	23	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{4048}$ except $n = 529, 737, 1265$
44	24	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$

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Table 43: Superspectra for  $p = 44$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
44	25	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
44	26	$n \equiv 1, 2145, 2497, \text{ or } 4225 \pmod{4576}$ except $n = 2145$
44	27	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
44	28	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
44	29	$n \equiv 1, 2321, 2465, \text{ or } 4785 \pmod{5104}$ except $n = 2321, 2465$
44	30	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
44	31	$n \equiv 1, 4433, 4929, \text{ or } 4961 \pmod{5456}$
44	32	$n \equiv 1 \text{ or } 4609 \pmod{5632}$
44	33	$n \equiv 1, 1089, 3025, \text{ or } 3873 \pmod{5808}$ except $n = 1089$
44	34	$n \equiv 1, 1089, 2465, \text{ or } 3553 \pmod{5984}$ except $n = 1089, 2465$
44	35	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
44	36	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
44	37	$n \equiv 1, 2849, 3553, \text{ or } 5809 \pmod{6512}$ except $n = 2849$
44	38	$n \equiv 1, 3553, 4257, \text{ or } 5985 \pmod{6688}$
44	39	$n \equiv 1, 2145, 2289, 2497, 4225, 4785, 6513, \text{ or } 6721 \pmod{6864}$ except $n = 2145, 2289, 2497$
44	40	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
44	41	$n \equiv 1, 1969, 2993, \text{ or } 4961 \pmod{7216}$ except $n = 1969, 2993$
44	42	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
44	43	$n \equiv 1, 4257, 5633, \text{ or } 6193 \pmod{7568}$
44	44	$n \equiv 1 \text{ or } 1089 \pmod{7744}$ except $n = 1089$
44	45	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
44	46	$n \equiv 1, 737, 4577, \text{ or } 5313 \pmod{8096}$ except $n = 737$

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Table 43: Superspectra for  $p = 44$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
44	47	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{8272}$ except $n = 705$
44	48	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
44	49	$n \equiv 1, 1617, 4753, \text{ or } 5489 \pmod{8624}$ except $n = 1617$
44	50	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
44	51	$n \equiv 1, 561, 1089, 3553, 4081, 5457, 5985, \text{ or } 8449 \pmod{8976}$ except $n = 561, 1089, 3553, 4081$
44	52	$n \equiv 1, 2497, 4225, \text{ or } 6721 \pmod{9152}$ except $n = 2497, 4225$
44	53	$n \equiv 1, 4081, 4929, \text{ or } 8481 \pmod{9328}$ except $n = 4081$
44	54	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
44	55	$n \equiv 1, 3025, 4961, \text{ or } 7745 \pmod{9680}$ except $n = 3025$
44	56	$n \equiv 1, 385, 1793, \text{ or } 8449 \pmod{9856}$ except $n = 385, 1793$
44	57	$n \equiv 1, 913, 2641, 3345, 3553, 4257, 5985, \text{ or } 6897 \pmod{10032}$ except $n = 913, 2641, 3345, 3553, 4257$
44	58	$n \equiv 1, 2465, 7425, \text{ or } 9889 \pmod{10208}$ except $n = 2465$
44	59	$n \equiv 1, 177, 5665, \text{ or } 5841 \pmod{10384}$ except $n = 177$
44	60	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
44	61	$n \equiv 1, 3905, 6161, \text{ or } 10065 \pmod{10736}$ except $n = 3905$
44	62	$n \equiv 1, 4929, 4961, \text{ or } 9889 \pmod{10912}$ except $n = 4929, 4961$
44	63	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
44	64	$n \equiv 1 \text{ or } 10241 \pmod{11264}$
44	65	$n \equiv 1, 2145, 4225, 4785, 6721, 6865, 8801, \text{ or } 9361 \pmod{11440}$ except $n = 2145, 4225, 4785$
44	66	$n \equiv 1, 1089, 3873, \text{ or } 8833 \pmod{11616}$ except $n = 1089, 3873$
44	67	$n \equiv 1, 737, 2145, \text{ or } 10385 \pmod{11792}$ except $n = 737, 2145$
44	68	$n \equiv 1, 1089, 8449, \text{ or } 9537 \pmod{11968}$ except $n = 1089$

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Table 43: Superspectra for  $p = 44$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
44	69	$n \equiv 1, 529, 4785, 5313, 8097, 8625, 8833, \text{ or } 9361 \pmod{12144}$ except $n = 529, 4785, 5313$
44	70	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
44	71	$n \equiv 1, 3905, 7953, \text{ or } 8449 \pmod{12496}$ except $n = 3905$
44	72	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
44	73	$n \equiv 1, 2993, 5841, \text{ or } 8833 \pmod{12848}$ except $n = 2993, 5841$
44	74	$n \equiv 1, 2849, 3553, \text{ or } 12321 \pmod{13024}$ except $n = 2849, 3553$
44	75	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
44	76	$n \equiv 1, 10241, 10945, \text{ or } 12673 \pmod{13376}$
44	77	$n \equiv 1, 3025, 9681, \text{ or } 12705 \pmod{13552}$ except $n = 3025$
44	78	$n \equiv 1, 2145, 2497, 4225, 6721, 9153, 11649, \text{ or } 13377 \pmod{13728}$ except $n = 2145, 2497, 4225, 6721$
44	79	$n \equiv 1, 1265, 10033, \text{ or } 11297 \pmod{13904}$ except $n = 1265$
44	80	$n \equiv 1, 7425, 10241, \text{ or } 11265 \pmod{14080}$
44	81	$n \equiv 1, 2673, 7777, \text{ or } 9153 \pmod{14256}$ except $n = 2673$
44	82	$n \equiv 1, 4961, 9185, \text{ or } 10209 \pmod{14432}$ except $n = 4961$
44	83	$n \equiv 1, 913, 5313, \text{ or } 10209 \pmod{14608}$ except $n = 913, 5313$
44	84	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
44	85	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 10065, \text{ or } 11441 \pmod{14960}$ except $n = 561, 2465, 4081, 5985, 6545$
44	86	$n \equiv 1, 4257, 5633, \text{ or } 13761 \pmod{15136}$ except $n = 4257, 5633$
44	87	$n \equiv 1, 4785, 7425, 7569, 9889, 10209, 12529, \text{ or } 12673 \pmod{15312}$ except $n = 4785, 7425, 7569$
44	88	$n \equiv 1 \text{ or } 8833 \pmod{15488}$

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Table 43: Superspectra for  $p = 44$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
44	89	$n \equiv 1, 2849, 7921, \text{ or } 10769 \pmod{15664}$ except $n = 2849$
44	90	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
44	91	$n \equiv 1, 2289, 6721, 9009, 11089, 11649, 13377, \text{ or } 13937 \pmod{16016}$ except $n = 2289, 6721$
44	92	$n \equiv 1, 5313, 8833, \text{ or } 12673 \pmod{16192}$ except $n = 5313$
44	93	$n \equiv 1, 4929, 5457, 9889, 10417, 15345, 15841, \text{ or } 15873 \pmod{16368}$ except $n = 4929, 5457$
44	94	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{16544}$ except $n = 705, 6017, 6721$
44	95	$n \equiv 1, 2641, 3345, 5985, 7601, 10241, 10945, \text{ or } 13585 \pmod{16720}$ except $n = 2641, 3345, 5985, 7601$
44	96	$n \equiv 1, 4609, 11265, \text{ or } 15873 \pmod{16896}$ except $n = 4609$
44	97	$n \equiv 1, 3201, 4753, \text{ or } 15521 \pmod{17072}$ except $n = 3201, 4753$
44	98	$n \equiv 1, 10241, 13377, \text{ or } 14113 \pmod{17248}$
44	99	$n \equiv 1, 1089, 3025, \text{ or } 15489 \pmod{17424}$ except $n = 1089, 3025$
44	100	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{17600}$ except $n = 3201, 4225, 7425$
44	101	$n \equiv 1, 1617, 6161, \text{ or } 7777 \pmod{17776}$ except $n = 1617, 6161, 7777$
44	102	$n \equiv 1, 1089, 3553, 5985, 8449, 9537, 13057, \text{ or } 14433 \pmod{17952}$ except $n = 1089, 3553, 5985, 8449$
44	103	$n \equiv 1, 5665, 9889, \text{ or } 13905 \pmod{18128}$ except $n = 5665$
44	104	$n \equiv 1, 4225, 11649, \text{ or } 15873 \pmod{18304}$ except $n = 4225$
44	105	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
44	106	$n \equiv 1, 4929, 8481, \text{ or } 13409 \pmod{18656}$ except $n = 4929, 8481$
44	107	$n \equiv 1, 5137, 5457, \text{ or } 10593 \pmod{18832}$ except $n = 5137, 5457$
44	108	$n \equiv 1, 7425, 9153, \text{ or } 17281 \pmod{19008}$ except $n = 7425, 9153$

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Table 43: Superspectra for  $p = 44$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
44	109	$n \equiv 1, 2289, 15697, \text{ or } 17985 \pmod{19184}$ except $n = 2289$
44	110	$n \equiv 1, 4961, 7745, \text{ or } 12705 \pmod{19360}$ except $n = 4961, 7745$
44	111	$n \equiv 1, 3553, 5809, 6513, 9361, 10065, 12321, \text{ or } 15873 \pmod{19536}$ except $n = 3553, 5809, 6513, 9361$
44	112	$n \equiv 1, 1793, 8449, \text{ or } 10241 \pmod{19712}$ except $n = 1793, 8449$
44	113	$n \equiv 1, 3729, 9153, \text{ or } 14465 \pmod{19888}$ except $n = 3729, 9153$
44	114	$n \equiv 1, 3553, 4257, 5985, 10945, 12673, 13377, \text{ or } 16929 \pmod{20064}$ except $n = 3553, 4257, 5985$
44	115	$n \equiv 1, 1265, 4785, 8625, 9361, 12145, 12881, \text{ or } 16721 \pmod{20240}$ except $n = 1265, 4785, 8625, 9361$
44	116	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{20416}$ except $n = 7425$
44	117	$n \equiv 1, 9009, 9153, 9361, 11089, 18513, 20241, \text{ or } 20449 \pmod{20592}$ except $n = 9009, 9153, 9361$
44	118	$n \equiv 1, 5665, 10561, \text{ or } 16225 \pmod{20768}$ except $n = 5665$
44	119	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 8449, \text{ or } 19041 \pmod{20944}$ except $n = 561, 2465, 4081, 5985, 6545, 8449$
44	120	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281 \pmod{21120}$ except $n = 385, 3201, 4225, 7041, 7425$
44	121	$n \equiv 1 \text{ or } 14641 \pmod{21296}$
44	122	$n \equiv 1, 3905, 16897, \text{ or } 20801 \pmod{21472}$ except $n = 3905$
44	123	$n \equiv 1, 1969, 10209, 12177, 14433, 16401, 17425, \text{ or } 19393 \pmod{21648}$ except $n = 1969, 10209$
44	124	$n \equiv 1, 4929, 15873, \text{ or } 20801 \pmod{21824}$ except $n = 4929$
44	125	$n \equiv 1, 8625, 12001, \text{ or } 20625 \pmod{22000}$ except $n = 8625$
44	126	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
44	127	$n \equiv 1, 8129, 10033, \text{ or } 18161 \pmod{22352}$ except $n = 8129, 10033$
44	128	$n \equiv 1 \text{ or } 10241 \pmod{22528}$ except $n = 10241$

Table 44: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 45$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
45	2	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{360}$ except $n = 81, 145$
45	3	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{540}$ except $n = 81$
45	4	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
45	5	$n \equiv 1, 225, 325, \text{ or } 801 \pmod{900}$ except $n = 225, 325$
45	6	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
45	7	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
45	8	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
45	9	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{1620}$ except $n = 81, 325, 405$
45	10	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
45	11	$n \equiv 1, 45, 441, 1045, 1441, 1485, 1585, \text{ or } 1881 \pmod{1980}$ except $n = 45, 441$
45	12	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
45	13	$n \equiv 1, 261, 325, 585, 1261, 1405, 1521, \text{ or } 1665 \pmod{2340}$ except $n = 261, 325, 585$
45	14	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
45	15	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{2700}$ except $n = 325$
45	16	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
45	17	$n \equiv 1, 765, 901, 1225, 1701, 2125, 2601, \text{ or } 2925 \pmod{3060}$ except $n = 765, 901, 1225$
45	18	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
45	19	$n \equiv 1, 361, 685, 1045, 1521, 1881, 2205, \text{ or } 2565 \pmod{3420}$ except $n = 361, 685, 1045, 1521$
45	20	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$

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Table 44: Superspectra for  $p = 45$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
45	21	$n \equiv 1, 945, 1485, 1701, 2241, 2485, 3025, \text{ or } 3241 \pmod{3780}$ except $n = 945, 1485, 1701$
45	22	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
45	23	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 3681 \pmod{4140}$ except $n = 621, 1081, 2025$
45	24	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
45	25	$n \equiv 1, 1125, 2125, \text{ or } 3501 \pmod{4500}$ except $n = 1125, 2125$
45	26	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
45	27	$n \equiv 1, 1701, 1945, \text{ or } 3645 \pmod{4860}$ except $n = 1701, 1945$
45	28	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
45	29	$n \equiv 1, 145, 261, 1045, 1161, 1305, 2205, \text{ or } 4321 \pmod{5220}$ except $n = 145, 261, 1045, 1161, 1305, 2205$
45	30	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
45	31	$n \equiv 1, 621, 3565, 4185, 4465, 4681, 5085, \text{ or } 5301 \pmod{5580}$ except $n = 621$
45	32	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
45	33	$n \equiv 1, 1485, 2025, 3025, 3565, 3861, 4401, \text{ or } 5401 \pmod{5940}$ except $n = 1485, 2025$
45	34	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$
45	35	$n \equiv 1, 225, 1225, 1701, 3025, 3501, 4501, \text{ or } 4725 \pmod{6300}$ except $n = 225, 1225, 1701, 3025$
45	36	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
45	37	$n \equiv 1, 1665, 2665, 2701, 2961, 5365, 5625, \text{ or } 5661 \pmod{6660}$ except $n = 1665, 2665, 2701, 2961$

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Table 44: Superspectra for  $p = 45$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
45	38	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
45	39	$n \equiv 1, 325, 1405, 3861, 4941, 5265, 5941, \text{ or } 6345 \pmod{7020}$ except $n = 325, 1405$
45	40	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
45	41	$n \equiv 1, 1845, 2665, 3321, 4141, 5085, 5905, \text{ or } 6561 \pmod{7380}$ except $n = 1845, 2665, 3321$
45	42	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
45	43	$n \equiv 1, 1161, 2881, 2925, 4645, 5805, 6021, \text{ or } 7525 \pmod{7740}$ except $n = 1161, 2881, 2925$
45	44	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
45	45	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{8100}$ except $n = 325, 1701, 2025$
45	46	$n \equiv 1, 1081, 2025, 3105, 3681, 4761, 6625, \text{ or } 7705 \pmod{8280}$ except $n = 1081, 2025, 3105, 3681$
45	47	$n \equiv 1, 1081, 1881, 2961, 3385, 4465, 5265, \text{ or } 6345 \pmod{8460}$ except $n = 1081, 1881, 2961, 3385$
45	48	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
45	49	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2745, \text{ or } 8281 \pmod{8820}$ except $n = 441, 981, 1225, 1765, 2205, 2745$
45	50	$n \equiv 1, 5625, 6625, \text{ or } 8001 \pmod{9000}$
45	51	$n \equiv 1, 1701, 5185, 6885, 7021, 7345, 8721, \text{ or } 9045 \pmod{9180}$ except $n = 1701$
45	52	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
45	53	$n \equiv 1, 901, 1485, 2385, 5301, 5725, 6201, \text{ or } 6625 \pmod{9540}$ except $n = 901, 1485, 2385$
45	54	$n \equiv 1, 1945, 6561, \text{ or } 8505 \pmod{9720}$ except $n = 1945$

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Table 44: Superspectra for  $p = 45$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
45	55	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 7525, \text{ or } 9801 \pmod{9900}$ except $n = 2025, 3025, 4401$
45	56	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
45	57	$n \equiv 1, 2565, 3781, 4105, 4941, 7885, 8721, \text{ or } 9045 \pmod{10260}$ except $n = 2565, 3781, 4105, 4941$
45	58	$n \equiv 1, 145, 1161, 1305, 4321, 5481, 6265, \text{ or } 7425 \pmod{10440}$ except $n = 145, 1161, 1305, 4321$
45	59	$n \equiv 1, 945, 2125, 5841, 7021, 7965, 9145, \text{ or } 9441 \pmod{10620}$ except $n = 945, 2125$
45	60	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
45	61	$n \equiv 1, 2745, 4941, 5185, 6345, 7381, 8541, \text{ or } 8785 \pmod{10980}$ except $n = 2745, 4941, 5185$
45	62	$n \equiv 1, 4185, 4465, 4681, 6201, 9145, 10665, \text{ or } 10881 \pmod{11160}$ except $n = 4185, 4465, 4681$
45	63	$n \equiv 1, 1701, 3241, 5265, 6805, 8505, 9801, \text{ or } 10045 \pmod{11340}$ except $n = 1701, 3241, 5265$
45	64	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
45	65	$n \equiv 1, 325, 2601, 2925, 3601, 6201, 8425, \text{ or } 11025 \pmod{11700}$ except $n = 325, 2601, 2925, 3601$
45	66	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
45	67	$n \equiv 1, 1341, 2881, 4221, 4825, 6165, 7705, \text{ or } 9045 \pmod{12060}$ except $n = 1341, 2881, 4221, 4825$
45	68	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
45	69	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 11961 \pmod{12420}$ except $n = 621, 1081, 2025, 2485, 3105, 3565$

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Table 44: Superspectra for  $p = 45$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
45	70	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
45	71	$n \equiv 1, 2485, 4545, 5041, 7101, 9585, 10225, \text{ or } 12141 \pmod{12780}$ except $n = 2485, 4545, 5041$
45	72	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
45	73	$n \equiv 1, 585, 2701, 3285, 5841, 7885, 8541, \text{ or } 10585 \pmod{13140}$ except $n = 585, 2701, 3285, 5841$
45	74	$n \equiv 1, 1665, 2665, 2961, 5625, 9361, 12025, \text{ or } 12321 \pmod{13320}$ except $n = 1665, 2665, 2961, 5625$
45	75	$n \equiv 1, 10125, 11125, \text{ or } 12501 \pmod{13500}$
45	76	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
45	77	$n \equiv 1, 441, 1485, 1981, 3025, 3465, 4005, 5005, 5545,$ $5985, 7525, 9801, 11341, 11781, 12321, \text{ or } 13321 \pmod{13860}$ except $n = 441, 1485, 1981, 3025, 3465,$ $4005, 5005, 5545, 5985$
45	78	$n \equiv 1, 5265, 6345, 7345, 8425, 10881, 11961, \text{ or } 12961 \pmod{14040}$ except $n = 5265, 6345$
45	79	$n \equiv 1, 2845, 7821, 10665, 10981, 11061, 13825, \text{ or } 13905 \pmod{14220}$ except $n = 2845$
45	80	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
45	81	$n \equiv 1, 3645, 6561, \text{ or } 11665 \pmod{14580}$ except $n = 3645, 6561$
45	82	$n \equiv 1, 2665, 3321, 5905, 6561, 9225, 11521, \text{ or } 12465 \pmod{14760}$ except $n = 2665, 3321, 5905, 6561$
45	83	$n \equiv 1, 2241, 3321, 7885, 8965, 11205, 12285, \text{ or } 13861 \pmod{14940}$ except $n = 2241, 3321$
45	84	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$

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Table 44: Superspectra for  $p = 45$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
45	85	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{15300}$ except $n = 901, 1225, 1701, 2125, 2601, 2925, 3825$
45	86	$n \equiv 1, 1161, 2881, 10665, 12385, 13545, 13761, \text{ or } 15265 \pmod{15480}$ except $n = 1161, 2881$
45	87	$n \equiv 1, 1161, 4321, 5481, 6265, 7425, 10585, \text{ or } 11745 \pmod{15660}$ except $n = 1161, 4321, 5481, 6265, 7425$
45	88	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
45	89	$n \equiv 1, 801, 3205, 4005, 7921, 8901, 11125, \text{ or } 12105 \pmod{16020}$ except $n = 801, 3205, 4005, 7921$
45	90	$n \equiv 1, 2025, 8425, \text{ or } 9801 \pmod{16200}$ except $n = 2025$
45	91	$n \equiv 1, 1261, 3745, 4005, 5005, 5265, 7021, 7281, 8281,$ $8541, 11025, 12285, 13105, 14301, 14365, \text{ or } 15561 \pmod{16380}$ except $n = 1261, 3745, 4005, 5005, 5265, 7021, 7281$
45	92	$n \equiv 1, 3105, 3681, 6625, 9361, 10305, 13041, \text{ or } 15985 \pmod{16560}$ except $n = 3105, 3681, 6625$
45	93	$n \equiv 1, 621, 3565, 4185, 10045, 10261, 10665, \text{ or } 10881 \pmod{16740}$ except $n = 621, 3565, 4185$
45	94	$n \equiv 1, 1081, 1881, 2961, 3385, 4465, 5265, \text{ or } 6345 \pmod{16920}$ except $n = 1081, 1881, 2961, 3385, 4465, 5265, 6345$
45	95	$n \equiv 1, 5301, 5625, 7201, 7525, 12825, 14725, \text{ or } 15201 \pmod{17100}$ except $n = 5301, 5625, 7201, 7525$
45	96	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
45	97	$n \equiv 1, 1261, 3105, 4365, 6985, 8245, 13581, \text{ or } 14841 \pmod{17460}$ except $n = 1261, 3105, 4365, 6985, 8245$
45	98	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
45	99	$n \equiv 1, 2025, 3565, 9801, 11341, 13365, 14905, \text{ or } 16281 \pmod{17820}$ except $n = 2025, 3565$

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Table 44: Superspectra for  $p = 45$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
45	100	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{18000}$ except $n = 6625, 8001$
45	101	$n \equiv 1, 405, 505, 4041, 4141, 4545, 8181, \text{ or } 14545 \pmod{18180}$ except $n = 405, 505, 4041, 4141, 4545, 8181$
45	102	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 16201, \text{ or } 18225 \pmod{18360}$ except $n = 5185, 7345, 8721$
45	103	$n \equiv 1, 721, 2061, 2781, 11125, 11845, 13185, \text{ or } 13905 \pmod{18540}$ except $n = 721, 2061, 2781$
45	104	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
45	105	$n \equiv 1, 1701, 3025, 4725, 9801, 10801, 12825, \text{ or } 13825 \pmod{18900}$ except $n = 1701, 3025, 4725$
45	106	$n \equiv 1, 2385, 6201, 6625, 10441, 11025, 14841, \text{ or } 15265 \pmod{19080}$ except $n = 2385, 6201, 6625$
45	107	$n \equiv 1, 3745, 6741, 7705, 10701, 14445, 15301, \text{ or } 18405 \pmod{19260}$ except $n = 3745, 6741, 7705$
45	108	$n \equiv 1, 6561, 11665, \text{ or } 18225 \pmod{19440}$ except $n = 6561$
45	109	$n \equiv 1, 981, 3925, 4905, 8721, 11881, 12645, \text{ or } 15805 \pmod{19620}$ except $n = 981, 3925, 4905, 8721$
45	110	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 17425 \pmod{19800}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
45	111	$n \equiv 1, 2701, 12285, 14985, 15985, 16281, 18685, \text{ or } 18981 \pmod{19980}$ except $n = 2701$
45	112	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
45	113	$n \equiv 1, 5085, 7345, 9945, 12205, 13221, 15481, \text{ or } 18081 \pmod{20340}$ except $n = 5085, 7345, 9945$
45	114	$n \equiv 1, 4105, 8721, 12825, 14041, 15201, 18145, \text{ or } 19305 \pmod{20520}$ except $n = 4105, 8721$

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Table 44: Superspectra for  $p = 45$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
45	115	$n \equiv 1, 2025, 6625, 8901, 13501, 15525, 16101, \text{ or } 20125 \pmod{20700}$ except $n = 2025, 6625, 8901$
45	116	$n \equiv 1, 145, 4321, 7425, 11601, 11745, 15921, \text{ or } 16705 \pmod{20880}$ except $n = 145, 4321, 7425$
45	117	$n \equiv 1, 325, 4941, 5265, 8425, 12961, 13365, \text{ or } 17901 \pmod{21060}$ except $n = 325, 4941, 5265, 8425$
45	118	$n \equiv 1, 945, 5841, 9145, 9441, 12745, 17641, \text{ or } 18585 \pmod{21240}$ except $n = 945, 5841, 9145, 9441$
45	119	$n \equiv 1, 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081,$ $11305, 11781, 14365, 14841, 16065, 18361, \text{ or } 19125 \pmod{21420}$ except $n = 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081$
45	120	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
45	121	$n \equiv 1, 2421, 3025, 5445, 7381, 9801, 17425, \text{ or } 19845 \pmod{21780}$ except $n = 2421, 3025, 5445, 7381, 9801$
45	122	$n \equiv 1, 2745, 5185, 6345, 8785, 15921, 18361, \text{ or } 19521 \pmod{21960}$ except $n = 2745, 5185, 6345, 8785$
45	123	$n \equiv 1, 3321, 6561, 10045, 13285, 16605, 18901, \text{ or } 19845 \pmod{22140}$ except $n = 3321, 6561, 10045$
45	124	$n \equiv 1, 4465, 10881, 15345, 15841, 17361, 20305, \text{ or } 21825 \pmod{22320}$ except $n = 4465, 10881$
45	125	$n \equiv 1, 5625, 12501, \text{ or } 15625 \pmod{22500}$ except $n = 5625$
45	126	$n \equiv 1, 3241, 5265, 8505, 9801, 13041, 18145, \text{ or } 21385 \pmod{22680}$ except $n = 3241, 5265, 8505, 9801$
45	127	$n \equiv 1, 6985, 8001, 9145, 10161, 17145, 19305, \text{ or } 20701 \pmod{22860}$ except $n = 6985, 8001, 9145, 10161$
45	128	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$

Table 45: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 46$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
46	2	$n \equiv 1$ or $161 \pmod{368}$ except $n = 161$
46	3	$n \equiv 1, 345, 369, \text{ or } 529 \pmod{552}$
46	4	$n \equiv 1$ or $161 \pmod{736}$ except $n = 161$
46	5	$n \equiv 1, 161, 185, \text{ or } 345 \pmod{920}$ except $n = 161, 185, 345$
46	6	$n \equiv 1, 369, 529, \text{ or } 897 \pmod{1104}$ except $n = 369, 529$
46	7	$n \equiv 1, 161, 553, \text{ or } 897 \pmod{1288}$ except $n = 161, 553$
46	8	$n \equiv 1$ or $897 \pmod{1472}$
46	9	$n \equiv 1, 369, 1081, \text{ or } 1449 \pmod{1656}$ except $n = 369$
46	10	$n \equiv 1, 161, 1105, \text{ or } 1265 \pmod{1840}$ except $n = 161$
46	11	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{2024}$ except $n = 529, 737$
46	12	$n \equiv 1, 897, 1473, \text{ or } 1633 \pmod{2208}$ except $n = 897$
46	13	$n \equiv 1, 897, 1105, \text{ or } 2185 \pmod{2392}$ except $n = 897, 1105$
46	14	$n \equiv 1, 161, 897, \text{ or } 1841 \pmod{2576}$ except $n = 161, 897$
46	15	$n \equiv 1, 345, 921, 1081, 1105, 2001, 2025, \text{ or } 2185 \pmod{2760}$ except $n = 345, 921, 1081, 1105$
46	16	$n \equiv 1$ or $897 \pmod{2944}$ except $n = 897$
46	17	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{3128}$ except $n = 1105$
46	18	$n \equiv 1, 369, 2737, \text{ or } 3105 \pmod{3312}$ except $n = 369$
46	19	$n \equiv 1, 2185, 2737, \text{ or } 2945 \pmod{3496}$
46	20	$n \equiv 1, 161, 2945, \text{ or } 3105 \pmod{3680}$ except $n = 161$
46	21	$n \equiv 1, 553, 897, 1449, 2185, 2577, 2737, \text{ or } 3129 \pmod{3864}$ except $n = 553, 897, 1449$
46	22	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{4048}$ except $n = 529, 737, 1265$
46	23	$n \equiv 1$ or $529 \pmod{4232}$ except $n = 529$
46	24	$n \equiv 1, 897, 1473, \text{ or } 3841 \pmod{4416}$ except $n = 897, 1473$

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Table 45: Superspectra for  $p = 46$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
46	25	$n \equiv 1, 2001, 2025, \text{ or } 4025 \pmod{4600}$ except $n = 2001, 2025$
46	26	$n \equiv 1, 897, 1105, \text{ or } 4577 \pmod{4784}$ except $n = 897, 1105$
46	27	$n \equiv 1, 1081, 2025, \text{ or } 3105 \pmod{4968}$ except $n = 1081, 2025$
46	28	$n \equiv 1, 161, 897, \text{ or } 4417 \pmod{5152}$ except $n = 161, 897$
46	29	$n \equiv 1, 2001, 2553, \text{ or } 4785 \pmod{5336}$ except $n = 2001, 2553$
46	30	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
46	31	$n \equiv 1, 713, 2945, \text{ or } 3473 \pmod{5704}$ except $n = 713$
46	32	$n \equiv 1 \text{ or } 3841 \pmod{5888}$
46	33	$n \equiv 1, 529, 2025, 2553, 2761, 3289, 4785, \text{ or } 5313 \pmod{6072}$ except $n = 529, 2025, 2553, 2761$
46	34	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{6256}$ except $n = 1105, 1633, 2737$
46	35	$n \equiv 1, 161, 1841, 2185, 3865, 4025, 4761, \text{ or } 5705 \pmod{6440}$ except $n = 161, 1841, 2185$
46	36	$n \equiv 1, 3105, 3681, \text{ or } 6049 \pmod{6624}$ except $n = 3105$
46	37	$n \equiv 1, 185, 2369, \text{ or } 2553 \pmod{6808}$ except $n = 185, 2369, 2553$
46	38	$n \equiv 1, 2737, 2945, \text{ or } 5681 \pmod{6992}$ except $n = 2737, 2945$
46	39	$n \equiv 1, 897, 1105, 2185, 3289, 4785, 5889, \text{ or } 6969 \pmod{7176}$ except $n = 897, 1105, 2185, 3289$
46	40	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{7360}$ except $n = 2945$
46	41	$n \equiv 1, 369, 6233, \text{ or } 6601 \pmod{7544}$ except $n = 369$
46	42	$n \equiv 1, 897, 2577, 2737, 4417, 5313, 6049, \text{ or } 6993 \pmod{7728}$ except $n = 897, 2577, 2737$
46	43	$n \equiv 1, 345, 4601, \text{ or } 4945 \pmod{7912}$ except $n = 345$
46	44	$n \equiv 1, 737, 4577, \text{ or } 5313 \pmod{8096}$ except $n = 737$
46	45	$n \equiv 1, 1081, 2025, 3105, 3681, 4761, 6625, \text{ or } 7705 \pmod{8280}$ except $n = 1081, 2025, 3105, 3681$

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Table 45: Superspectra for  $p = 46$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
46	46	$n \equiv 1$ or $529 \pmod{8464}$ except $n = 529$
46	47	$n \equiv 1, 1081, 2209, \text{ or } 7521 \pmod{8648}$ except $n = 1081, 2209$
46	48	$n \equiv 1, 897, 3841, \text{ or } 5889 \pmod{8832}$ except $n = 897, 3841$
46	49	$n \equiv 1, 7889, 8281, \text{ or } 8625 \pmod{9016}$
46	50	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{9200}$ except $n = 2001$
46	51	$n \equiv 1, 1105, 1633, 2737, 3129, 4233, 4761, \text{ or } 5865 \pmod{9384}$ except $n = 1105, 1633, 2737, 3129, 4233$
46	52	$n \equiv 1, 897, 4577, \text{ or } 5889 \pmod{9568}$ except $n = 897, 4577$
46	53	$n \equiv 1, 3657, 6625, \text{ or } 6785 \pmod{9752}$ except $n = 3657$
46	54	$n \equiv 1, 3105, 6049, \text{ or } 6993 \pmod{9936}$ except $n = 3105$
46	55	$n \equiv 1, 1265, 2025, 2761, 4785, 6601, 8625, \text{ or } 9361 \pmod{10120}$ except $n = 1265, 2025, 2761, 4785$
46	56	$n \equiv 1, 897, 4417, \text{ or } 5313 \pmod{10304}$ except $n = 897, 4417$
46	57	$n \equiv 1, 2185, 2737, 6441, 6993, 9177, 9729, \text{ or } 9937 \pmod{10488}$ except $n = 2185, 2737$
46	58	$n \equiv 1, 2001, 4785, \text{ or } 7889 \pmod{10672}$ except $n = 2001, 4785$
46	59	$n \equiv 1, 6785, 7729, \text{ or } 9913 \pmod{10856}$
46	60	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
46	61	$n \equiv 1, 4209, 4393, \text{ or } 11041 \pmod{11224}$ except $n = 4209, 4393$
46	62	$n \equiv 1, 2945, 3473, \text{ or } 6417 \pmod{11408}$ except $n = 2945, 3473$
46	63	$n \equiv 1, 1449, 2737, 4761, 6049, 6993, 8281, \text{ or } 10305 \pmod{11592}$ except $n = 1449, 2737, 4761$
46	64	$n \equiv 1$ or $9729 \pmod{11776}$
46	65	$n \equiv 1, 1105, 2185, 4785, 5681, 8281, 9361, \text{ or } 10465 \pmod{11960}$ except $n = 1105, 2185, 4785, 5681$

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Table 45: Superspectra for  $p = 46$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
46	66	$n \equiv 1, 529, 4785, 5313, 8097, 8625, 8833, \text{ or } 9361 \pmod{12144}$ except $n = 529, 4785, 5313$
46	67	$n \equiv 1, 737, 6969, \text{ or } 7705 \pmod{12328}$ except $n = 737$
46	68	$n \equiv 1, 1633, 7361, \text{ or } 8993 \pmod{12512}$ except $n = 1633$
46	69	$n \equiv 1, 529, 4233, \text{ or } 4761 \pmod{12696}$ except $n = 529, 4233, 4761$
46	70	$n \equiv 1, 161, 1841, 8625, 10305, 10465, 11201, \text{ or } 12145 \pmod{12880}$ except $n = 161, 1841$
46	71	$n \equiv 1, 1633, 5681, \text{ or } 9017 \pmod{13064}$ except $n = 1633, 5681$
46	72	$n \equiv 1, 9729, 10305, \text{ or } 12673 \pmod{13248}$
46	73	$n \equiv 1, 2921, 8833, \text{ or } 11753 \pmod{13432}$ except $n = 2921$
46	74	$n \equiv 1, 2369, 6993, \text{ or } 9361 \pmod{13616}$ except $n = 2369$
46	75	$n \equiv 1, 2001, 2025, 6601, 6625, 8625, 9201, \text{ or } 13225 \pmod{13800}$ except $n = 2001, 2025, 6601, 6625$
46	76	$n \equiv 1, 2945, 9729, \text{ or } 12673 \pmod{13984}$ except $n = 2945$
46	77	$n \equiv 1, 5313, 6601, 7337, 8625, 10857, 12145, \text{ or } 12881 \pmod{14168}$ except $n = 5313, 6601$
46	78	$n \equiv 1, 897, 1105, 4785, 5889, 9361, 10465, \text{ or } 14145 \pmod{14352}$ except $n = 897, 1105, 4785, 5889$
46	79	$n \equiv 1, 553, 1265, \text{ or } 1817 \pmod{14536}$ except $n = 553, 1265, 1817$
46	80	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{14720}$ except $n = 2945, 3841, 6785$
46	81	$n \equiv 1, 2025, 11017, \text{ or } 13041 \pmod{14904}$ except $n = 2025$
46	82	$n \equiv 1, 369, 13777, \text{ or } 14145 \pmod{15088}$ except $n = 369$
46	83	$n \equiv 1, 4233, 5313, \text{ or } 9545 \pmod{15272}$ except $n = 4233, 5313$
46	84	$n \equiv 1, 897, 4417, 5313, 6049, 10305, 10465, \text{ or } 14721 \pmod{15456}$ except $n = 897, 4417, 5313, 6049$
46	85	$n \equiv 1, 1105, 4761, 5865, 7361, 9385, 12121, \text{ or } 14145 \pmod{15640}$ except $n = 1105, 4761, 5865, 7361$

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Table 45: Superspectra for  $p = 46$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
46	86	$n \equiv 1, 4945, 8257, \text{ or } 12513 \pmod{15824}$ except $n = 4945$
46	87	$n \equiv 1, 2001, 2553, 4785, 5337, 12673, 13225, \text{ or } 15457 \pmod{16008}$ except $n = 2001, 2553, 4785, 5337$
46	88	$n \equiv 1, 5313, 8833, \text{ or } 12673 \pmod{16192}$ except $n = 5313$
46	89	$n \equiv 1, 713, 13617, \text{ or } 14329 \pmod{16376}$ except $n = 713$
46	90	$n \equiv 1, 3105, 3681, 6625, 9361, 10305, 13041, \text{ or } 15985 \pmod{16560}$ except $n = 3105, 3681, 6625$
46	91	$n \equiv 1, 897, 2185, 8281, 9569, 10465, 11753, \text{ or } 15457 \pmod{16744}$ except $n = 897, 2185, 8281$
46	92	$n \equiv 1 \text{ or } 8993 \pmod{16928}$
46	93	$n \equiv 1, 6417, 8649, 9177, 11409, 12121, 14353, \text{ or } 14881 \pmod{17112}$ except $n = 6417$
46	94	$n \equiv 1, 2209, 7521, \text{ or } 9729 \pmod{17296}$ except $n = 2209, 7521$
46	95	$n \equiv 1, 2185, 2945, 5681, 6441, 13225, 13985, \text{ or } 16721 \pmod{17480}$ except $n = 2185, 2945, 5681, 6441$
46	96	$n \equiv 1, 3841, 5889, \text{ or } 9729 \pmod{17664}$ except $n = 3841, 5889$
46	97	$n \equiv 1, 3105, 12513, \text{ or } 15617 \pmod{17848}$ except $n = 3105$
46	98	$n \equiv 1, 7889, 8625, \text{ or } 17297 \pmod{18032}$ except $n = 7889, 8625$
46	99	$n \equiv 1, 2025, 9361, 11385, 12673, 14697, 14905, \text{ or } 16929 \pmod{18216}$ except $n = 2025$
46	100	$n \equiv 1, 6625, 11201, \text{ or } 17825 \pmod{18400}$ except $n = 6625$
46	101	$n \equiv 1, 6969, 12121, \text{ or } 13433 \pmod{18584}$ except $n = 6969$
46	102	$n \equiv 1, 1105, 1633, 2737, 12513, 13617, 14145, \text{ or } 15249 \pmod{18768}$ except $n = 1105, 1633, 2737$
46	103	$n \equiv 1, 2369, 4945, \text{ or } 16377 \pmod{18952}$ except $n = 2369, 4945$
46	104	$n \equiv 1, 897, 5889, \text{ or } 14145 \pmod{19136}$ except $n = 897, 5889$

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Table 45: Superspectra for  $p = 46$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
46	105	$n \equiv 1, 2185, 3865, 4761, 6441, 6601, 8281, 8625, 10305,$ $10465, 12145, 13041, 14721, 16905, 17641, \text{ or } 18585 \pmod{19320}$ except $n = 2185, 3865, 4761, 6441, 6601, 8281, 8625$
46	106	$n \equiv 1, 6625, 6785, \text{ or } 13409 \pmod{19504}$ except $n = 6625, 6785$
46	107	$n \equiv 1, 4601, 7705, \text{ or } 12305 \pmod{19688}$ except $n = 4601, 7705$
46	108	$n \equiv 1, 3105, 6049, \text{ or } 16929 \pmod{19872}$ except $n = 3105, 6049$
46	109	$n \equiv 1, 7521, 10465, \text{ or } 17113 \pmod{20056}$ except $n = 7521$
46	110	$n \equiv 1, 1265, 4785, 8625, 9361, 12145, 12881, \text{ or } 16721 \pmod{20240}$ except $n = 1265, 4785, 8625, 9361$
46	111	$n \equiv 1, 2553, 6993, 9177, 9361, 13617, 13801, \text{ or } 15985 \pmod{20424}$ except $n = 2553, 6993, 9177, 9361$
46	112	$n \equiv 1, 897, 14721, \text{ or } 15617 \pmod{20608}$ except $n = 897$
46	113	$n \equiv 1, 6441, 11753, \text{ or } 18193 \pmod{20792}$ except $n = 6441$
46	114	$n \equiv 1, 2737, 6993, 9729, 9937, 12673, 16929, \text{ or } 19665 \pmod{20976}$ except $n = 2737, 6993, 9729, 9937$
46	115	$n \equiv 1, 4761, 8465, \text{ or } 13225 \pmod{21160}$ except $n = 4761, 8465$
46	116	$n \equiv 1, 12673, 15457, \text{ or } 18561 \pmod{21344}$
46	117	$n \equiv 1, 8073, 8281, 9361, 11961, 17641, 20241, \text{ or } 21321 \pmod{21528}$ except $n = 8073, 8281, 9361$
46	118	$n \equiv 1, 6785, 7729, \text{ or } 20769 \pmod{21712}$ except $n = 6785, 7729$
46	119	$n \equiv 1, 2737, 3129, 4761, 7889, 16745, 19873, \text{ or } 21505 \pmod{21896}$ except $n = 2737, 3129, 4761, 7889$
46	120	$n \equiv 1, 3841, 10305, 14145, 14721, 17665, 18561, \text{ or } 21505 \pmod{22080}$ except $n = 3841, 10305$
46	121	$n \equiv 1, 8833, 10649, \text{ or } 19481 \pmod{22264}$ except $n = 8833, 10649$
46	122	$n \equiv 1, 4209, 11041, \text{ or } 15617 \pmod{22448}$ except $n = 4209, 11041$
46	123	$n \equiv 1, 369, 6601, 7545, 13777, 14145, 15457, \text{ or } 21321 \pmod{22632}$ except $n = 369, 6601, 7545$

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Table 45: Superspectra for  $p = 46$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
46	124	$n \equiv 1, 2945, 14881, \text{ or } 17825 \pmod{22816}$ except $n = 2945$
46	125	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{23000}$ except $n = 2001, 6625, 8625$
46	126	$n \equiv 1, 2737, 6049, 6993, 10305, 13041, 16353, \text{ or } 19873 \pmod{23184}$ except $n = 2737, 6049, 6993, 10305$
46	127	$n \equiv 1, 2921, 9017, \text{ or } 17273 \pmod{23368}$ except $n = 2921, 9017$
46	128	$n \equiv 1 \text{ or } 21505 \pmod{23552}$

Table 46: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 47$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
47	2	$n \equiv 1 \text{ or } 329 \pmod{376}$
47	3	$n \equiv 1, 141, 189, \text{ or } 517 \pmod{564}$ except $n = 141, 189$
47	4	$n \equiv 1 \text{ or } 705 \pmod{752}$
47	5	$n \equiv 1, 141, 565, \text{ or } 705 \pmod{940}$ except $n = 141$
47	6	$n \equiv 1, 705, 753, \text{ or } 1081 \pmod{1128}$
47	7	$n \equiv 1, 141, 189, \text{ or } 329 \pmod{1316}$ except $n = 141, 189, 329$
47	8	$n \equiv 1 \text{ or } 705 \pmod{1504}$ except $n = 705$
47	9	$n \equiv 1, 189, 1081, \text{ or } 1269 \pmod{1692}$ except $n = 189$
47	10	$n \equiv 1, 705, 1081, \text{ or } 1505 \pmod{1880}$ except $n = 705$
47	11	$n \equiv 1, 517, 705, \text{ or } 1881 \pmod{2068}$ except $n = 517, 705$
47	12	$n \equiv 1, 705, 753, \text{ or } 2209 \pmod{2256}$ except $n = 705, 753$
47	13	$n \equiv 1, 377, 1457, \text{ or } 1833 \pmod{2444}$ except $n = 377$
47	14	$n \equiv 1, 329, 1457, \text{ or } 1505 \pmod{2632}$ except $n = 329$
47	15	$n \equiv 1, 141, 565, 705, 1081, 1645, 1881, \text{ or } 2445 \pmod{2820}$ except $n = 141, 565, 705, 1081$

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Table 46: Superspectra for  $p = 47$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
47	16	$n \equiv 1$ or $705 \pmod{3008}$ except $n = 705$
47	17	$n \equiv 1, 2397, 2585, \text{ or } 3009 \pmod{3196}$
47	18	$n \equiv 1, 1081, 1881, \text{ or } 2961 \pmod{3384}$ except $n = 1081$
47	19	$n \equiv 1, 893, 1881, \text{ or } 2585 \pmod{3572}$ except $n = 893$
47	20	$n \equiv 1, 705, 1505, \text{ or } 2961 \pmod{3760}$ except $n = 705, 1505$
47	21	$n \equiv 1, 141, 189, 1317, 1645, 2773, 2821, \text{ or } 2961 \pmod{3948}$ except $n = 141, 189, 1317, 1645$
47	22	$n \equiv 1, 705, 1881, \text{ or } 2585 \pmod{4136}$ except $n = 705, 1881$
47	23	$n \equiv 1, 1081, 2209, \text{ or } 3197 \pmod{4324}$ except $n = 1081$
47	24	$n \equiv 1, 705, 2209, \text{ or } 3009 \pmod{4512}$ except $n = 705, 2209$
47	25	$n \equiv 1, 3525, 3901, \text{ or } 4325 \pmod{4700}$
47	26	$n \equiv 1, 377, 1457, \text{ or } 1833 \pmod{4888}$ except $n = 377, 1457, 1833$
47	27	$n \equiv 1, 189, 1081, \text{ or } 1269 \pmod{5076}$ except $n = 189, 1081, 1269$
47	28	$n \equiv 1, 1457, 1505, \text{ or } 2961 \pmod{5264}$ except $n = 1457, 1505$
47	29	$n \equiv 1, 377, 3713, \text{ or } 4089 \pmod{5452}$ except $n = 377$
47	30	$n \equiv 1, 705, 1081, 1881, 2961, 3385, 4465, \text{ or } 5265 \pmod{5640}$ except $n = 705, 1081, 1881$
47	31	$n \equiv 1, 1457, 2821, \text{ or } 4465 \pmod{5828}$ except $n = 1457, 2821$
47	32	$n \equiv 1$ or $3713 \pmod{6016}$
47	33	$n \equiv 1, 517, 705, 1881, 2773, 3949, 4137, \text{ or } 4653 \pmod{6204}$ except $n = 517, 705, 1881, 2773$
47	34	$n \equiv 1, 2585, 3009, \text{ or } 5593 \pmod{6392}$ except $n = 2585, 3009$
47	35	$n \equiv 1, 141, 1505, 1645, 2821, 2961, 5265, \text{ or } 5405 \pmod{6580}$ except $n = 141, 1505, 1645, 2821, 2961$
47	36	$n \equiv 1, 2961, 4465, \text{ or } 5265 \pmod{6768}$ except $n = 2961$
47	37	$n \equiv 1, 2257, 2961, \text{ or } 5217 \pmod{6956}$ except $n = 2257, 2961$
47	38	$n \equiv 1, 1881, 2585, \text{ or } 4465 \pmod{7144}$ except $n = 1881, 2585$

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Table 46: Superspectra for  $p = 47$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
47	39	$n \equiv 1, 1833, 2445, 2821, 3901, 5265, 6345, \text{ or } 6721 \pmod{7332}$ except $n = 1833, 2445, 2821$
47	40	$n \equiv 1, 705, 1505, \text{ or } 6721 \pmod{7520}$ except $n = 705, 1505$
47	41	$n \equiv 1, 329, 5453, \text{ or } 5781 \pmod{7708}$ except $n = 329$
47	42	$n \equiv 1, 2961, 4089, 4137, 5265, 5593, 6721, \text{ or } 6769 \pmod{7896}$ except $n = 2961$
47	43	$n \equiv 1, 517, 1505, \text{ or } 2021 \pmod{8084}$ except $n = 517, 1505, 2021$
47	44	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{8272}$ except $n = 705$
47	45	$n \equiv 1, 1081, 1881, 2961, 3385, 4465, 5265, \text{ or } 6345 \pmod{8460}$ except $n = 1081, 1881, 2961, 3385$
47	46	$n \equiv 1, 1081, 2209, \text{ or } 7521 \pmod{8648}$ except $n = 1081, 2209$
47	47	$n \equiv 1 \text{ or } 2209 \pmod{8836}$ except $n = 2209$
47	48	$n \equiv 1, 705, 3009, \text{ or } 6721 \pmod{9024}$ except $n = 705, 3009$
47	49	$n \equiv 1, 6909, 8037, \text{ or } 8085 \pmod{9212}$
47	50	$n \equiv 1, 8225, 8601, \text{ or } 9025 \pmod{9400}$
47	51	$n \equiv 1, 2397, 3009, 5593, 5781, 6205, 6393, \text{ or } 8977 \pmod{9588}$ except $n = 2397, 3009$
47	52	$n \equiv 1, 1457, 5265, \text{ or } 6721 \pmod{9776}$ except $n = 1457$
47	53	$n \equiv 1, 7473, 7897, \text{ or } 9541 \pmod{9964}$
47	54	$n \equiv 1, 1081, 5265, \text{ or } 6345 \pmod{10152}$ except $n = 1081$
47	55	$n \equiv 1, 705, 1881, 2585, 4841, 6205, 6721, \text{ or } 8085 \pmod{10340}$ except $n = 705, 1881, 2585, 4841$
47	56	$n \equiv 1, 1505, 6721, \text{ or } 8225 \pmod{10528}$ except $n = 1505$
47	57	$n \equiv 1, 1881, 3573, 4465, 6157, 8037, 9025, \text{ or } 9729 \pmod{10716}$ except $n = 1881, 3573, 4465$
47	58	$n \equiv 1, 377, 3713, \text{ or } 4089 \pmod{10904}$ except $n = 377, 3713, 4089$
47	59	$n \equiv 1, 2773, 3009, \text{ or } 10857 \pmod{11092}$ except $n = 2773, 3009$

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Table 46: Superspectra for  $p = 47$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
47	60	$n \equiv 1, 705, 2961, 4465, 5265, 6721, 7521, \text{ or } 9025 \pmod{11280}$ except $n = 705, 2961, 4465, 5265$
47	61	$n \equiv 1, 2257, 6345, \text{ or } 8601 \pmod{11468}$ except $n = 2257$
47	62	$n \equiv 1, 1457, 4465, \text{ or } 8649 \pmod{11656}$ except $n = 1457, 4465$
47	63	$n \equiv 1, 189, 2773, 2961, 5265, 6769, 8037, \text{ or } 9541 \pmod{11844}$ except $n = 189, 2773, 2961, 5265$
47	64	$n \equiv 1 \text{ or } 9729 \pmod{12032}$
47	65	$n \equiv 1, 2445, 2821, 3901, 5265, 6345, 6721, \text{ or } 9165 \pmod{12220}$ except $n = 2445, 2821, 3901, 5265$
47	66	$n \equiv 1, 705, 1881, 4137, 6721, 8977, 10153, \text{ or } 10857 \pmod{12408}$ except $n = 705, 1881, 4137$
47	67	$n \equiv 1, 3149, 5829, \text{ or } 9917 \pmod{12596}$ except $n = 3149, 5829$
47	68	$n \equiv 1, 3009, 8977, \text{ or } 11985 \pmod{12784}$ except $n = 3009$
47	69	$n \equiv 1, 1081, 2209, 7521, 8649, 9729, 10857, \text{ or } 11845 \pmod{12972}$ except $n = 1081, 2209$
47	70	$n \equiv 1, 1505, 2961, 5265, 6721, 8225, 9401, \text{ or } 11985 \pmod{13160}$ except $n = 1505, 2961, 5265$
47	71	$n \equiv 1, 3337, 6533, \text{ or } 10153 \pmod{13348}$ except $n = 3337, 6533$
47	72	$n \equiv 1, 9729, 11233, \text{ or } 12033 \pmod{13536}$
47	73	$n \equiv 1, 4089, 6205, \text{ or } 10293 \pmod{13724}$ except $n = 4089, 6205$
47	74	$n \equiv 1, 2257, 2961, \text{ or } 5217 \pmod{13912}$ except $n = 2257, 2961, 5217$
47	75	$n \equiv 1, 3525, 3901, 4701, 8601, 9025, 12925, \text{ or } 13725 \pmod{14100}$ except $n = 3525, 3901, 4701$
47	76	$n \equiv 1, 4465, 9025, \text{ or } 9729 \pmod{14288}$ except $n = 4465$
47	77	$n \equiv 1, 2773, 3949, 4137, 6721, 6909, 8085, \text{ or } 10857 \pmod{14476}$ except $n = 2773, 3949, 4137, 6721, 6909$
47	78	$n \equiv 1, 1833, 5265, 6345, 6721, 9777, 10153, \text{ or } 11233 \pmod{14664}$ except $n = 1833, 5265, 6345, 6721$

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Table 46: Superspectra for  $p = 47$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
47	79	$n \equiv 1, 3713, 9165, \text{ or } 9401 \pmod{14852}$ except $n = 3713$
47	80	$n \equiv 1, 705, 6721, \text{ or } 9025 \pmod{15040}$ except $n = 705, 6721$
47	81	$n \equiv 1, 5265, 6157, \text{ or } 11421 \pmod{15228}$ except $n = 5265, 6157$
47	82	$n \equiv 1, 329, 13161, \text{ or } 13489 \pmod{15416}$ except $n = 329$
47	83	$n \equiv 1, 3901, 9213, \text{ or } 10293 \pmod{15604}$ except $n = 3901$
47	84	$n \equiv 1, 2961, 5265, 6721, 6769, 11985, 12033, \text{ or } 13489 \pmod{15792}$ except $n = 2961, 5265, 6721, 6769$
47	85	$n \equiv 1, 2585, 5781, 6205, 9401, 11985, 12785, \text{ or } 15181 \pmod{15980}$ except $n = 2585, 5781, 6205$
47	86	$n \equiv 1, 1505, 8601, \text{ or } 10105 \pmod{16168}$ except $n = 1505$
47	87	$n \equiv 1, 4089, 5829, 9165, 9541, 10905, 11281, \text{ or } 14617 \pmod{16356}$ except $n = 4089, 5829$
47	88	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{16544}$ except $n = 705, 6017, 6721$
47	89	$n \equiv 1, 12549, 14241, \text{ or } 15041 \pmod{16732}$
47	90	$n \equiv 1, 1081, 1881, 2961, 3385, 4465, 5265, \text{ or } 6345 \pmod{16920}$ except $n = 1081, 1881, 2961, 3385, 4465, 5265, 6345$
47	91	$n \equiv 1, 1457, 2821, 4277, 5265, 6721, 14665, \text{ or } 16121 \pmod{17108}$ except $n = 1457, 2821, 4277, 5265, 6721$
47	92	$n \equiv 1, 2209, 7521, \text{ or } 9729 \pmod{17296}$ except $n = 2209, 7521$
47	93	$n \equiv 1, 2821, 4465, 5829, 7285, 8649, 10293, \text{ or } 13113 \pmod{17484}$ except $n = 2821, 4465, 5829, 7285, 8649$
47	94	$n \equiv 1 \text{ or } 2209 \pmod{17672}$ except $n = 2209$
47	95	$n \equiv 1, 1881, 2585, 4465, 7145, 9025, 13301, \text{ or } 15181 \pmod{17860}$ except $n = 1881, 2585, 4465, 7145$
47	96	$n \equiv 1, 9729, 12033, \text{ or } 15745 \pmod{18048}$
47	97	$n \equiv 1, 13677, 15229, \text{ or } 16685 \pmod{18236}$
47	98	$n \equiv 1, 16121, 17249, \text{ or } 17297 \pmod{18424}$

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Table 46: Superspectra for  $p = 47$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
47	99	$n \equiv 1, 1881, 2773, 4653, 10153, 10341, 12925, \text{ or } 13113 \pmod{18612}$ except $n = 1881, 2773, 4653$
47	100	$n \equiv 1, 8225, 9025, \text{ or } 18001 \pmod{18800}$ except $n = 8225, 9025$
47	101	$n \equiv 1, 2021, 12221, \text{ or } 14241 \pmod{18988}$ except $n = 2021$
47	102	$n \equiv 1, 3009, 5593, 6393, 8977, 11985, 15369, \text{ or } 15793 \pmod{19176}$ except $n = 3009, 5593, 6393, 8977$
47	103	$n \equiv 1, 4841, 11845, \text{ or } 12361 \pmod{19364}$ except $n = 4841$
47	104	$n \equiv 1, 6721, 11233, \text{ or } 15041 \pmod{19552}$ except $n = 6721$
47	105	$n \equiv 1, 141, 1645, 2821, 2961, 5265, 6721, 8085, 9541,$ $11845, 11985, 13161, 14665, 14805, 15981, \text{ or } 18565 \pmod{19740}$ except $n = 141, 1645, 2821, 2961, 5265, 6721, 8085, 9541$
47	106	$n \equiv 1, 7473, 7897, \text{ or } 19505 \pmod{19928}$ except $n = 7473, 7897$
47	107	$n \equiv 1, 5029, 11985, \text{ or } 13161 \pmod{20116}$ except $n = 5029$
47	108	$n \equiv 1, 5265, 11233, \text{ or } 16497 \pmod{20304}$ except $n = 5265$
47	109	$n \equiv 1, 7521, 7849, \text{ or } 15369 \pmod{20492}$ except $n = 7521, 7849$
47	110	$n \equiv 1, 705, 1881, 2585, 4841, 6721, 16545, \text{ or } 18425 \pmod{20680}$ except $n = 705, 1881, 2585, 4841, 6721$
47	111	$n \equiv 1, 2257, 2961, 5217, 6957, 9213, 16873, \text{ or } 19129 \pmod{20868}$ except $n = 2257, 2961, 5217, 6957, 9213$
47	112	$n \equiv 1, 6721, 12033, \text{ or } 18753 \pmod{21056}$ except $n = 6721$
47	113	$n \equiv 1, 565, 15369, \text{ or } 15933 \pmod{21244}$ except $n = 565$
47	114	$n \equiv 1, 1881, 4465, 9025, 9729, 14289, 16873, \text{ or } 18753 \pmod{21432}$ except $n = 1881, 4465, 9025, 9729$
47	115	$n \equiv 1, 1081, 4325, 5405, 7521, 11845, 15181, \text{ or } 19505 \pmod{21620}$ except $n = 1081, 4325, 5405, 7521$
47	116	$n \equiv 1, 3713, 11281, \text{ or } 14993 \pmod{21808}$ except $n = 3713$
47	117	$n \equiv 1, 5265, 6345, 10153, 11233, 16497, 17109, \text{ or } 21385 \pmod{21996}$ except $n = 5265, 6345, 10153$

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Table 46: Superspectra for  $p = 47$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
47	118	$n \equiv 1, 3009, 10857, \text{ or } 13865 \pmod{22184}$ except $n = 3009, 10857$
47	119	$n \equiv 1, 5593, 9401, 11985, 12173, 15793, 15981, \text{ or } 18565 \pmod{22372}$ except $n = 5593, 9401$
47	120	$n \equiv 1, 705, 6721, 7521, 9025, 14241, 15745, \text{ or } 16545 \pmod{22560}$ except $n = 705, 6721, 7521, 9025$
47	121	$n \equiv 1, 4841, 12221, \text{ or } 17061 \pmod{22748}$ except $n = 4841$
47	122	$n \equiv 1, 2257, 6345, \text{ or } 8601 \pmod{22936}$ except $n = 2257, 6345, 8601$
47	123	$n \equiv 1, 5781, 8037, 13161, 13489, 15417, 15745, \text{ or } 20869 \pmod{23124}$ except $n = 5781, 8037$
47	124	$n \equiv 1, 1457, 4465, \text{ or } 20305 \pmod{23312}$ except $n = 1457, 4465$
47	125	$n \equiv 1, 17625, 18001, \text{ or } 23125 \pmod{23500}$
47	126	$n \equiv 1, 2961, 5265, 6769, 12033, 14617, 19881, \text{ or } 21385 \pmod{23688}$ except $n = 2961, 5265, 6769$
47	127	$n \equiv 1, 5969, 10669, \text{ or } 19177 \pmod{23876}$ except $n = 5969, 10669$
47	128	$n \equiv 1 \text{ or } 9729 \pmod{24064}$ except $n = 9729$

Table 47: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 48$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
48	2	$n \equiv 1 \text{ or } 129 \pmod{384}$ except $n = 129$
48	3	$n \equiv 1 \text{ or } 513 \pmod{576}$
48	4	$n \equiv 1 \text{ or } 513 \pmod{768}$
48	5	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
48	6	$n \equiv 1 \text{ or } 513 \pmod{1152}$ except $n = 513$
48	7	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$

*continued on next page*

Table 47: Superspectra for  $p = 48$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
48	8	$n \equiv 1$ or $513 \pmod{1536}$ except $n = 513$
48	9	$n \equiv 1$ or $513 \pmod{1728}$ except $n = 513$
48	10	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
48	11	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
48	12	$n \equiv 1$ or $513 \pmod{2304}$ except $n = 513$
48	13	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
48	14	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
48	15	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
48	16	$n \equiv 1$ or $2049 \pmod{3072}$
48	17	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
48	18	$n \equiv 1$ or $513 \pmod{3456}$ except $n = 513$
48	19	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
48	20	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
48	21	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
48	22	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
48	23	$n \equiv 1, 897, 1473, \text{ or } 3841 \pmod{4416}$ except $n = 897, 1473$
48	24	$n \equiv 1$ or $513 \pmod{4608}$ except $n = 513$
48	25	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
48	26	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
48	27	$n \equiv 1$ or $3969 \pmod{5184}$
48	28	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
48	29	$n \equiv 1, 1537, 1857, \text{ or } 3393 \pmod{5568}$ except $n = 1537, 1857$
48	30	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
48	31	$n \equiv 1, 961, 3969, \text{ or } 4929 \pmod{5952}$ except $n = 961$
48	32	$n \equiv 1$ or $2049 \pmod{6144}$ except $n = 2049$

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Table 47: Superspectra for  $p = 48$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
48	33	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
48	34	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$
48	35	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
48	36	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
48	37	$n \equiv 1, 1665, 4033, \text{ or } 4737 \pmod{7104}$ except $n = 1665$
48	38	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
48	39	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
48	40	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
48	41	$n \equiv 1, 2625, 3649, \text{ or } 6273 \pmod{7872}$ except $n = 2625, 3649$
48	42	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
48	43	$n \equiv 1, 129, 2881, \text{ or } 5505 \pmod{8256}$ except $n = 129, 2881$
48	44	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
48	45	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
48	46	$n \equiv 1, 897, 3841, \text{ or } 5889 \pmod{8832}$ except $n = 897, 3841$
48	47	$n \equiv 1, 705, 3009, \text{ or } 6721 \pmod{9024}$ except $n = 705, 3009$
48	48	$n \equiv 1 \text{ or } 5121 \pmod{9216}$
48	49	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
48	50	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
48	51	$n \equiv 1, 1089, 5185, \text{ or } 6273 \pmod{9792}$ except $n = 1089$
48	52	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
48	53	$n \equiv 1, 1537, 3393, \text{ or } 4929 \pmod{10176}$ except $n = 1537, 3393, 4929$
48	54	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
48	55	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
48	56	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$

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Table 47: Superspectra for  $p = 48$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
48	57	$n \equiv 1, 513, 1729, \text{ or } 9729 \pmod{10944}$ except $n = 513, 1729$
48	58	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{11136}$ except $n = 1537$
48	59	$n \equiv 1, 3009, 3777, \text{ or } 10561 \pmod{11328}$ except $n = 3009, 3777$
48	60	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
48	61	$n \equiv 1, 1281, 5185, \text{ or } 7809 \pmod{11712}$ except $n = 1281, 5185$
48	62	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{11904}$ except $n = 3969$
48	63	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
48	64	$n \equiv 1 \text{ or } 8193 \pmod{12288}$
48	65	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
48	66	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
48	67	$n \equiv 1, 2881, 8577, \text{ or } 11457 \pmod{12864}$ except $n = 2881$
48	68	$n \equiv 1, 4353, 8449, \text{ or } 12801 \pmod{13056}$ except $n = 4353$
48	69	$n \equiv 1, 9729, 10305, \text{ or } 12673 \pmod{13248}$
48	70	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
48	71	$n \equiv 1, 4545, 8449, \text{ or } 12993 \pmod{13632}$ except $n = 4545$
48	72	$n \equiv 1 \text{ or } 513 \pmod{13824}$ except $n = 513$
48	73	$n \equiv 1, 4161, 8833, \text{ or } 9345 \pmod{14016}$ except $n = 4161$
48	74	$n \equiv 1, 1665, 4737, \text{ or } 11137 \pmod{14208}$ except $n = 1665, 4737$
48	75	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
48	76	$n \equiv 1, 513, 5377, \text{ or } 9729 \pmod{14592}$ except $n = 513, 5377$
48	77	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
48	78	$n \equiv 1, 1665, 9217, \text{ or } 10881 \pmod{14976}$ except $n = 1665$
48	79	$n \equiv 1, 8769, 10113, \text{ or } 13825 \pmod{15168}$

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Table 47: Superspectra for  $p = 48$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
48	80	$n \equiv 1, 5121, 6145, \text{ or } 11265 \pmod{15360}$ except $n = 5121, 6145$
48	81	$n \equiv 1 \text{ or } 14337 \pmod{15552}$
48	82	$n \equiv 1, 6273, 10497, \text{ or } 11521 \pmod{15744}$ except $n = 6273$
48	83	$n \equiv 1, 2241, 5313, \text{ or } 12865 \pmod{15936}$ except $n = 2241, 5313$
48	84	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
48	85	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
48	86	$n \equiv 1, 129, 5505, \text{ or } 11137 \pmod{16512}$ except $n = 129, 5505$
48	87	$n \equiv 1, 3393, 7425, \text{ or } 12673 \pmod{16704}$ except $n = 3393, 7425$
48	88	$n \equiv 1, 4609, 11265, \text{ or } 15873 \pmod{16896}$ except $n = 4609$
48	89	$n \equiv 1, 3649, 5697, \text{ or } 9345 \pmod{17088}$ except $n = 3649, 5697$
48	90	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
48	91	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
48	92	$n \equiv 1, 3841, 5889, \text{ or } 9729 \pmod{17664}$ except $n = 3841, 5889$
48	93	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{17856}$ except $n = 3969, 6913$
48	94	$n \equiv 1, 9729, 12033, \text{ or } 15745 \pmod{18048}$
48	95	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
48	96	$n \equiv 1 \text{ or } 14337 \pmod{18432}$
48	97	$n \equiv 1, 3201, 9409, \text{ or } 12417 \pmod{18624}$ except $n = 3201$
48	98	$n \equiv 1, 3969, 6273, \text{ or } 16513 \pmod{18816}$ except $n = 3969, 6273$
48	99	$n \equiv 1, 7425, 9153, \text{ or } 17281 \pmod{19008}$ except $n = 7425, 9153$
48	100	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
48	101	$n \equiv 1, 4545, 6465, \text{ or } 17473 \pmod{19392}$ except $n = 4545, 6465$
48	102	$n \equiv 1, 6273, 10881, \text{ or } 14977 \pmod{19584}$ except $n = 6273$

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Table 47: Superspectra for  $p = 48$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
48	103	$n \equiv 1, 8961, 13185, \text{ or } 15553 \pmod{19776}$ except $n = 8961$
48	104	$n \equiv 1, 6657, 9217, \text{ or } 15873 \pmod{19968}$ except $n = 6657, 9217$
48	105	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
48	106	$n \equiv 1, 1537, 13569, \text{ or } 15105 \pmod{20352}$ except $n = 1537$
48	107	$n \equiv 1, 321, 6849, \text{ or } 14017 \pmod{20544}$ except $n = 321, 6849$
48	108	$n \equiv 1 \text{ or } 14337 \pmod{20736}$
48	109	$n \equiv 1, 4033, 13953, \text{ or } 17985 \pmod{20928}$ except $n = 4033$
48	110	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281 \pmod{21120}$ except $n = 385, 3201, 4225, 7041, 7425$
48	111	$n \equiv 1, 1665, 4033, \text{ or } 18945 \pmod{21312}$ except $n = 1665, 4033$
48	112	$n \equiv 1, 3073, 14337, \text{ or } 17409 \pmod{21504}$ except $n = 3073$
48	113	$n \equiv 1, 1921, 7233, \text{ or } 9153 \pmod{21696}$ except $n = 1921, 7233, 9153$
48	114	$n \equiv 1, 513, 9729, \text{ or } 12673 \pmod{21888}$ except $n = 513, 9729$
48	115	$n \equiv 1, 3841, 10305, 14145, 14721, 17665, 18561, \text{ or } 21505 \pmod{22080}$ except $n = 3841, 10305$
48	116	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{22272}$ except $n = 1537, 7425, 8961$
48	117	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{22464}$ except $n = 1729, 9153, 10881$
48	118	$n \equiv 1, 14337, 15105, \text{ or } 21889 \pmod{22656}$
48	119	$n \equiv 1, 6273, 7617, 8449, 9793, 16065, 17409, \text{ or } 21505 \pmod{22848}$ except $n = 6273, 7617, 8449, 9793$
48	120	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$
48	121	$n \equiv 1, 1089, 8833, \text{ or } 15489 \pmod{23232}$ except $n = 1089, 8833$
48	122	$n \equiv 1, 1281, 7809, \text{ or } 16897 \pmod{23424}$ except $n = 1281, 7809$
48	123	$n \equiv 1, 6273, 11521, \text{ or } 18369 \pmod{23616}$ except $n = 6273, 11521$
48	124	$n \equiv 1, 6913, 15873, \text{ or } 22785 \pmod{23808}$ except $n = 6913$
48	125	$n \equiv 1, 2625, 8001, \text{ or } 18625 \pmod{24000}$ except $n = 2625, 8001$

*continued on next page*



Table 47: Superspectra for  $p = 48$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
48	126	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
48	127	$n \equiv 1, 8001, 16129, \text{ or } 16257 \pmod{24384}$ except $n = 8001$
48	128	$n \equiv 1 \text{ or } 8193 \pmod{24576}$ except $n = 8193$

Table 48: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 49$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
49	2	$n \equiv 1 \text{ or } 49 \pmod{392}$ except $n = 49$
49	3	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{588}$ except $n = 49$
49	4	$n \equiv 1 \text{ or } 49 \pmod{784}$ except $n = 49$
49	5	$n \equiv 1, 245, 441, \text{ or } 785 \pmod{980}$ except $n = 245, 441$
49	6	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{1176}$ except $n = 49, 393, 441$
49	7	$n \equiv 1 \text{ or } 1029 \pmod{1372}$
49	8	$n \equiv 1 \text{ or } 833 \pmod{1568}$
49	9	$n \equiv 1, 441, 981, \text{ or } 1225 \pmod{1764}$ except $n = 441$
49	10	$n \equiv 1, 441, 785, \text{ or } 1225 \pmod{1960}$ except $n = 441, 785$
49	11	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{2156}$ except $n = 441$
49	12	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
49	13	$n \equiv 1, 637, 833, \text{ or } 2353 \pmod{2548}$ except $n = 637, 833$
49	14	$n \equiv 1 \text{ or } 2401 \pmod{2744}$
49	15	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2401, \text{ or } 2745 \pmod{2940}$ except $n = 441, 981, 1225$
49	16	$n \equiv 1 \text{ or } 833 \pmod{3136}$ except $n = 833$
49	17	$n \equiv 1, 833, 1225, \text{ or } 2941 \pmod{3332}$ except $n = 833, 1225$
49	18	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$

*continued on next page*

Table 48: Superspectra for  $p = 49$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
49	19	$n \equiv 1, 589, 2205, \text{ or } 2793 \pmod{3724}$ except $n = 589$
49	20	$n \equiv 1, 785, 2401, \text{ or } 3185 \pmod{3920}$ except $n = 785$
49	21	$n \equiv 1, 1029, 2401, \text{ or } 2745 \pmod{4116}$ except $n = 1029$
49	22	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{4312}$ except $n = 441, 1177, 1617$
49	23	$n \equiv 1, 3381, 3773, \text{ or } 4117 \pmod{4508}$
49	24	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
49	25	$n \equiv 1, 1225, 2401, \text{ or } 3725 \pmod{4900}$ except $n = 1225, 2401$
49	26	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{5096}$ except $n = 833, 2353$
49	27	$n \equiv 1, 3969, 4509, \text{ or } 4753 \pmod{5292}$
49	28	$n \equiv 1 \text{ or } 2401 \pmod{5488}$ except $n = 2401$
49	29	$n \equiv 1, 1421, 2205, \text{ or } 4901 \pmod{5684}$ except $n = 1421, 2205$
49	30	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
49	31	$n \equiv 1, 589, 3969, \text{ or } 4557 \pmod{6076}$ except $n = 589$
49	32	$n \equiv 1 \text{ or } 3969 \pmod{6272}$
49	33	$n \equiv 1, 441, 1177, 1617, 2157, 3333, 4753, \text{ or } 5929 \pmod{6468}$ except $n = 441, 1177, 1617, 2157$
49	34	$n \equiv 1, 833, 1225, \text{ or } 6273 \pmod{6664}$ except $n = 833, 1225$
49	35	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{6860}$ except $n = 2401, 2745$
49	36	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
49	37	$n \equiv 1, 1813, 1961, \text{ or } 7105 \pmod{7252}$ except $n = 1813, 1961$
49	38	$n \equiv 1, 2793, 4313, \text{ or } 5929 \pmod{7448}$ except $n = 2793$
49	39	$n \equiv 1, 637, 2353, 3381, 5097, 5733, 5929, \text{ or } 7449 \pmod{7644}$ except $n = 637, 2353, 3381$
49	40	$n \equiv 1, 2401, 4705, \text{ or } 7105 \pmod{7840}$ except $n = 2401$
49	41	$n \equiv 1, 2009, 3773, \text{ or } 6273 \pmod{8036}$ except $n = 2009, 3773$

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Table 48: Superspectra for  $p = 49$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
49	42	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{8232}$ except $n = 2401, 2745$
49	43	$n \equiv 1, 6321, 6665, \text{ or } 8085 \pmod{8428}$
49	44	$n \equiv 1, 1617, 4753, \text{ or } 5489 \pmod{8624}$ except $n = 1617$
49	45	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2745, \text{ or } 8281 \pmod{8820}$ except $n = 441, 981, 1225, 1765, 2205, 2745$
49	46	$n \equiv 1, 7889, 8281, \text{ or } 8625 \pmod{9016}$
49	47	$n \equiv 1, 6909, 8037, \text{ or } 8085 \pmod{9212}$
49	48	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
49	49	$n \equiv 1 \text{ or } 2401 \pmod{9604}$ except $n = 2401$
49	50	$n \equiv 1, 1225, 2401, \text{ or } 8625 \pmod{9800}$ except $n = 1225, 2401$
49	51	$n \equiv 1, 1225, 2941, 3333, 4165, 4557, 6273, \text{ or } 7497 \pmod{9996}$ except $n = 1225, 2941, 3333, 4165, 4557$
49	52	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{10192}$ except $n = 833, 2353, 3185$
49	53	$n \equiv 1, 637, 1961, \text{ or } 2597 \pmod{10388}$ except $n = 637, 1961, 2597$
49	54	$n \equiv 1, 3969, 4753, \text{ or } 9801 \pmod{10584}$ except $n = 3969, 4753$
49	55	$n \equiv 1, 441, 7645, 8085, 8625, 9065, 9801, \text{ or } 10241 \pmod{10780}$ except $n = 441$
49	56	$n \equiv 1 \text{ or } 2401 \pmod{10976}$ except $n = 2401$
49	57	$n \equiv 1, 589, 2205, 2793, 5929, 6517, 7449, \text{ or } 8037 \pmod{11172}$ except $n = 589, 2205, 2793$
49	58	$n \equiv 1, 7105, 7889, \text{ or } 10585 \pmod{11368}$
49	59	$n \equiv 1, 2597, 6077, \text{ or } 8673 \pmod{11564}$ except $n = 2597$
49	60	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
49	61	$n \equiv 1, 245, 2745, \text{ or } 2989 \pmod{11956}$ except $n = 245, 2745, 2989$
49	62	$n \equiv 1, 3969, 6665, \text{ or } 10633 \pmod{12152}$ except $n = 3969$
49	63	$n \equiv 1, 2745, 6517, \text{ or } 9261 \pmod{12348}$ except $n = 2745$

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Table 48: Superspectra for  $p = 49$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
49	64	$n \equiv 1$ or $10241 \pmod{12544}$
49	65	$n \equiv 1, 3185, 3381, 4901, 7645, 8281, 11025, \text{ or } 12545 \pmod{12740}$ except $n = 3185, 3381, 4901$
49	66	$n \equiv 1, 441, 1177, 1617, 4753, 5929, 8625, \text{ or } 9801 \pmod{12936}$ except $n = 441, 1177, 1617, 4753, 5929$
49	67	$n \equiv 1, 4557, 5293, \text{ or } 9849 \pmod{13132}$ except $n = 4557, 5293$
49	68	$n \equiv 1, 833, 6273, \text{ or } 7889 \pmod{13328}$ except $n = 833, 6273$
49	69	$n \equiv 1, 3381, 4117, 4509, 8281, 8625, 12397, \text{ or } 12789 \pmod{13524}$ except $n = 3381, 4117, 4509$
49	70	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{13720}$ except $n = 2401, 2745, 5145$
49	71	$n \equiv 1, 1421, 9017, \text{ or } 10437 \pmod{13916}$ except $n = 1421$
49	72	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
49	73	$n \equiv 1, 3577, 7301, \text{ or } 10585 \pmod{14308}$ except $n = 3577$
49	74	$n \equiv 1, 1961, 7105, \text{ or } 9065 \pmod{14504}$ except $n = 1961, 7105$
49	75	$n \equiv 1, 1225, 2401, 8625, 9801, 11025, 12201, \text{ or } 13525 \pmod{14700}$ except $n = 1225, 2401$
49	76	$n \equiv 1, 10241, 11761, \text{ or } 13377 \pmod{14896}$
49	77	$n \equiv 1, 3773, 5489, \text{ or } 13377 \pmod{15092}$ except $n = 3773, 5489$
49	78	$n \equiv 1, 2353, 5097, 5929, 7449, 8281, 11025, \text{ or } 13377 \pmod{15288}$ except $n = 2353, 5097, 5929, 7449$
49	79	$n \equiv 1, 5293, 6321, \text{ or } 11613 \pmod{15484}$ except $n = 5293, 6321$
49	80	$n \equiv 1, 7105, 10241, \text{ or } 12545 \pmod{15680}$ except $n = 7105$
49	81	$n \equiv 1, 3969, 9801, \text{ or } 10045 \pmod{15876}$ except $n = 3969$
49	82	$n \equiv 1, 2009, 6273, \text{ or } 11809 \pmod{16072}$ except $n = 2009, 6273$
49	83	$n \equiv 1, 2989, 9213, \text{ or } 12201 \pmod{16268}$ except $n = 2989$
49	84	$n \equiv 1, 2401, 10977, \text{ or } 13377 \pmod{16464}$ except $n = 2401$

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Table 48: Superspectra for  $p = 49$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
49	85	$n \equiv 1, 1225, 2941, 4165, 6665, 9605, 11221, \text{ or } 14161 \pmod{16660}$ except $n = 1225, 2941, 4165, 6665$
49	86	$n \equiv 1, 6321, 6665, \text{ or } 16513 \pmod{16856}$ except $n = 6321, 6665$
49	87	$n \equiv 1, 2205, 5685, 7105, 10585, 12789, 13573, \text{ or } 16269 \pmod{17052}$ except $n = 2205, 5685, 7105$
49	88	$n \equiv 1, 10241, 13377, \text{ or } 14113 \pmod{17248}$
49	89	$n \equiv 1, 4361, 5341, \text{ or } 16465 \pmod{17444}$ except $n = 4361, 5341$
49	90	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
49	91	$n \equiv 1, 13377, 15093, \text{ or } 16121 \pmod{17836}$
49	92	$n \equiv 1, 7889, 8625, \text{ or } 17297 \pmod{18032}$ except $n = 7889, 8625$
49	93	$n \equiv 1, 589, 3969, 4557, 10045, 10633, 12153, \text{ or } 12741 \pmod{18228}$ except $n = 589, 3969, 4557$
49	94	$n \equiv 1, 16121, 17249, \text{ or } 17297 \pmod{18424}$
49	95	$n \equiv 1, 2205, 3725, 10241, 11761, 13965, 15485, \text{ or } 17101 \pmod{18620}$ except $n = 2205, 3725$
49	96	$n \equiv 1, 3969, 6273, \text{ or } 16513 \pmod{18816}$ except $n = 3969, 6273$
49	97	$n \equiv 1, 4753, 9409, \text{ or } 14357 \pmod{19012}$ except $n = 4753, 9409$
49	98	$n \equiv 1 \text{ or } 2401 \pmod{19208}$ except $n = 2401$
49	99	$n \equiv 1, 441, 4753, 9801, 14113, 14553, 15093, \text{ or } 18865 \pmod{19404}$ except $n = 441, 4753$
49	100	$n \equiv 1, 2401, 8625, \text{ or } 11025 \pmod{19600}$ except $n = 2401, 8625$
49	101	$n \equiv 1, 1617, 3333, \text{ or } 4949 \pmod{19796}$ except $n = 1617, 3333, 4949$
49	102	$n \equiv 1, 1225, 6273, 7497, 12937, 13329, 14161, \text{ or } 14553 \pmod{19992}$ except $n = 1225, 6273, 7497$
49	103	$n \equiv 1, 6077, 9065, \text{ or } 15141 \pmod{20188}$ except $n = 6077, 9065$
49	104	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{20384}$ except $n = 833$

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Table 48: Superspectra for  $p = 49$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
49	105	$n \equiv 1, 2401, 2745, 5145, 6861, 9261, 16465, \text{ or } 18865 \pmod{20580}$ except $n = 2401, 2745, 5145, 6861, 9261$
49	106	$n \equiv 1, 1961, 11025, \text{ or } 12985 \pmod{20776}$ except $n = 1961$
49	107	$n \equiv 1, 1177, 14553, \text{ or } 15729 \pmod{20972}$ except $n = 1177$
49	108	$n \equiv 1, 3969, 4753, \text{ or } 20385 \pmod{21168}$ except $n = 3969, 4753$
49	109	$n \equiv 1, 981, 4361, \text{ or } 5341 \pmod{21364}$ except $n = 981, 4361, 5341$
49	110	$n \equiv 1, 441, 8625, 9065, 9801, 10241, 18425, \text{ or } 18865 \pmod{21560}$ except $n = 441, 8625, 9065, 9801, 10241$
49	111	$n \equiv 1, 1813, 7105, 9213, 14505, 16317, 16465, \text{ or } 21609 \pmod{21756}$ except $n = 1813, 7105, 9213$
49	112	$n \equiv 1 \text{ or } 13377 \pmod{21952}$
49	113	$n \equiv 1, 5537, 9605, \text{ or } 18081 \pmod{22148}$ except $n = 5537, 9605$
49	114	$n \equiv 1, 2793, 5929, 7449, 11761, 13377, 17689, \text{ or } 19209 \pmod{22344}$ except $n = 2793, 5929, 7449$
49	115	$n \equiv 1, 3381, 8281, 8625, 13525, 16905, 17641, \text{ or } 21805 \pmod{22540}$ except $n = 3381, 8281, 8625$
49	116	$n \equiv 1, 7105, 7889, \text{ or } 21953 \pmod{22736}$ except $n = 7105, 7889$
49	117	$n \equiv 1, 5733, 8281, 11025, 13573, 15093, 17641, \text{ or } 20385 \pmod{22932}$ except $n = 5733, 8281, 11025$
49	118	$n \equiv 1, 8673, 14161, \text{ or } 17641 \pmod{23128}$ except $n = 8673$
49	119	$n \equiv 1, 7889, 9605, \text{ or } 17493 \pmod{23324}$ except $n = 7889, 9605$
49	120	$n \equiv 1, 2401, 4705, 7105, 15681, 18081, 20385, \text{ or } 22785 \pmod{23520}$ except $n = 2401, 4705, 7105$
49	121	$n \equiv 1, 5929, 9801, \text{ or } 19845 \pmod{23716}$ except $n = 5929, 9801$
49	122	$n \equiv 1, 2745, 12201, \text{ or } 14945 \pmod{23912}$ except $n = 2745$
49	123	$n \equiv 1, 6273, 8037, 10045, 11809, 18081, 19845, \text{ or } 22345 \pmod{24108}$ except $n = 6273, 8037, 10045, 11809$
49	124	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{24304}$ except $n = 3969$

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Table 48: Superspectra for  $p = 49$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
49	125	$n \equiv 1, 6125, 8625, \text{ or } 22001 \pmod{24500}$ except $n = 6125, 8625$
49	126	$n \equiv 1, 2745, 18865, \text{ or } 21609 \pmod{24696}$ except $n = 2745$
49	127	$n \equiv 1, 9017, 9653, \text{ or } 18669 \pmod{24892}$ except $n = 9017, 9653$
49	128	$n \equiv 1 \text{ or } 10241 \pmod{25088}$ except $n = 10241$

Table 49: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 50$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
50	2	$n \equiv 1 \text{ or } 225 \pmod{400}$
50	3	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
50	4	$n \equiv 1 \text{ or } 225 \pmod{800}$ except $n = 225$
50	5	$n \equiv 1 \text{ or } 625 \pmod{1000}$
50	6	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
50	7	$n \equiv 1, 225, 1001, \text{ or } 1225 \pmod{1400}$ except $n = 225$
50	8	$n \equiv 1 \text{ or } 1025 \pmod{1600}$
50	9	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
50	10	$n \equiv 1 \text{ or } 625 \pmod{2000}$ except $n = 625$
50	11	$n \equiv 1, 825, 1001, \text{ or } 2025 \pmod{2200}$ except $n = 825, 1001$
50	12	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
50	13	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{2600}$ except $n = 625, 1001$
50	14	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{2800}$ except $n = 225$
50	15	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{3000}$ except $n = 625$
50	16	$n \equiv 1 \text{ or } 1025 \pmod{3200}$ except $n = 1025$
50	17	$n \equiv 1, 425, 1225, \text{ or } 2601 \pmod{3400}$ except $n = 425, 1225$

*continued on next page*

Table 49: Superspectra for  $p = 50$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
50	18	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
50	19	$n \equiv 1, 1425, 1825, \text{ or } 3401 \pmod{3800}$ except $n = 1425, 1825$
50	20	$n \equiv 1 \text{ or } 2625 \pmod{4000}$
50	21	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
50	22	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
50	23	$n \equiv 1, 2001, 2025, \text{ or } 4025 \pmod{4600}$ except $n = 2001, 2025$
50	24	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
50	25	$n \equiv 1 \text{ or } 625 \pmod{5000}$ except $n = 625$
50	26	$n \equiv 1, 625, 3601, \text{ or } 4225 \pmod{5200}$ except $n = 625$
50	27	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
50	28	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$
50	29	$n \equiv 1, 1625, 2001, \text{ or } 3625 \pmod{5800}$ except $n = 1625, 2001$
50	30	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
50	31	$n \equiv 1, 2201, 3225, \text{ or } 5425 \pmod{6200}$ except $n = 2201$
50	32	$n \equiv 1 \text{ or } 1025 \pmod{6400}$ except $n = 1025$
50	33	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
50	34	$n \equiv 1, 3825, 4625, \text{ or } 6001 \pmod{6800}$
50	35	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{7000}$ except $n = 1001, 1625, 2625$
50	36	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
50	37	$n \equiv 1, 4625, 5625, \text{ or } 6401 \pmod{7400}$
50	38	$n \equiv 1, 1425, 1825, \text{ or } 7201 \pmod{7600}$ except $n = 1425, 1825$
50	39	$n \equiv 1, 625, 2601, 3225, 3601, 4225, 6201, \text{ or } 6825 \pmod{7800}$ except $n = 625, 2601, 3225, 3601$
50	40	$n \equiv 1 \text{ or } 2625 \pmod{8000}$ except $n = 2625$

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Table 49: Superspectra for  $p = 50$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
50	41	$n \equiv 1, 1025, 2625, \text{ or } 6601 \pmod{8200}$ except $n = 1025, 2625$
50	42	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
50	43	$n \equiv 1, 3225, 4601, \text{ or } 7225 \pmod{8600}$ except $n = 3225$
50	44	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
50	45	$n \equiv 1, 5625, 6625, \text{ or } 8001 \pmod{9000}$
50	46	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{9200}$ except $n = 2001$
50	47	$n \equiv 1, 8225, 8601, \text{ or } 9025 \pmod{9400}$
50	48	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
50	49	$n \equiv 1, 1225, 2401, \text{ or } 8625 \pmod{9800}$ except $n = 1225, 2401$
50	50	$n \equiv 1 \text{ or } 625 \pmod{10000}$ except $n = 625$
50	51	$n \equiv 1, 1225, 2601, 3825, 6001, 6801, 7225, \text{ or } 8025 \pmod{10200}$ except $n = 1225, 2601, 3825$
50	52	$n \equiv 1, 4225, 5825, \text{ or } 8801 \pmod{10400}$ except $n = 4225$
50	53	$n \equiv 1, 425, 6201, \text{ or } 6625 \pmod{10600}$ except $n = 425$
50	54	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
50	55	$n \equiv 1, 1001, 8625, \text{ or } 9625 \pmod{11000}$ except $n = 1001$
50	56	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$
50	57	$n \equiv 1, 1425, 1825, 3801, 5625, 7201, 9025, \text{ or } 11001 \pmod{11400}$ except $n = 1425, 1825, 3801, 5625$
50	58	$n \equiv 1, 2001, 7425, \text{ or } 9425 \pmod{11600}$ except $n = 2001$
50	59	$n \equiv 1, 4425, 8025, \text{ or } 8201 \pmod{11800}$ except $n = 4425$
50	60	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
50	61	$n \equiv 1, 7625, 8601, \text{ or } 11225 \pmod{12200}$
50	62	$n \equiv 1, 5425, 8401, \text{ or } 9425 \pmod{12400}$ except $n = 5425$
50	63	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$

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Table 49: Superspectra for  $p = 50$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
50	64	$n \equiv 1$ or $1025 \pmod{12800}$ except $n = 1025$
50	65	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{13000}$ except $n = 625, 1001, 1625$
50	66	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
50	67	$n \equiv 1, 201, 4825, \text{ or } 5025 \pmod{13400}$ except $n = 201, 4825, 5025$
50	68	$n \equiv 1, 10625, 11425, \text{ or } 12801 \pmod{13600}$
50	69	$n \equiv 1, 2001, 2025, 6601, 6625, 8625, 9201, \text{ or } 13225 \pmod{13800}$ except $n = 2001, 2025, 6601, 6625$
50	70	$n \equiv 1, 2625, 8001, \text{ or } 8625 \pmod{14000}$ except $n = 2625$
50	71	$n \equiv 1, 2201, 10225, \text{ or } 12425 \pmod{14200}$ except $n = 2201$
50	72	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
50	73	$n \equiv 1, 1825, 6425, \text{ or } 10001 \pmod{14600}$ except $n = 1825, 6425$
50	74	$n \equiv 1, 4625, 6401, \text{ or } 13025 \pmod{14800}$ except $n = 4625, 6401$
50	75	$n \equiv 1, 625, 5001, \text{ or } 5625 \pmod{15000}$ except $n = 625, 5001, 5625$
50	76	$n \equiv 1, 1825, 7201, \text{ or } 9025 \pmod{15200}$ except $n = 1825, 7201$
50	77	$n \equiv 1, 1001, 3025, 6601, 8625, 9625, 9801, \text{ or } 15225 \pmod{15400}$ except $n = 1001, 3025, 6601$
50	78	$n \equiv 1, 625, 3601, 4225, 10401, 11025, 14001, \text{ or } 14625 \pmod{15600}$ except $n = 625, 3601, 4225$
50	79	$n \equiv 1, 4425, 9401, \text{ or } 13825 \pmod{15800}$ except $n = 4425$
50	80	$n \equiv 1$ or $10625 \pmod{16000}$
50	81	$n \equiv 1, 2025, 8425, \text{ or } 9801 \pmod{16200}$ except $n = 2025$
50	82	$n \equiv 1, 1025, 2625, \text{ or } 14801 \pmod{16400}$ except $n = 1025, 2625$
50	83	$n \equiv 1, 6225, 10625, \text{ or } 12201 \pmod{16600}$ except $n = 6225$
50	84	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
50	85	$n \equiv 1, 4625, 6001, \text{ or } 10625 \pmod{17000}$ except $n = 4625, 6001$

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Table 49: Superspectra for  $p = 50$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
50	86	$n \equiv 1, 11825, 13201, \text{ or } 15825 \pmod{17200}$
50	87	$n \equiv 1, 2001, 3625, 7425, 7801, 11601, 13225, \text{ or } 15225 \pmod{17400}$ except $n = 2001, 3625, 7425, 7801$
50	88	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{17600}$ except $n = 3201, 4225, 7425$
50	89	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{17800}$ except $n = 801, 1425, 2225$
50	90	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{18000}$ except $n = 6625, 8001$
50	91	$n \equiv 1, 1001, 1625, 5201, 5825, 6825, 11025, \text{ or } 14001 \pmod{18200}$ except $n = 1001, 1625, 5201, 5825, 6825$
50	92	$n \equiv 1, 6625, 11201, \text{ or } 17825 \pmod{18400}$ except $n = 6625$
50	93	$n \equiv 1, 3225, 5425, 6201, 8401, 11625, 14601, \text{ or } 15625 \pmod{18600}$ except $n = 3225, 5425, 6201, 8401$
50	94	$n \equiv 1, 8225, 9025, \text{ or } 18001 \pmod{18800}$ except $n = 8225, 9025$
50	95	$n \equiv 1, 5625, 11001, \text{ or } 16625 \pmod{19000}$ except $n = 5625$
50	96	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
50	97	$n \equiv 1, 2425, 3201, \text{ or } 18625 \pmod{19400}$ except $n = 2425, 3201$
50	98	$n \equiv 1, 2401, 8625, \text{ or } 11025 \pmod{19600}$ except $n = 2401, 8625$
50	99	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 17425 \pmod{19800}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
50	100	$n \equiv 1 \text{ or } 10625 \pmod{20000}$
50	101	$n \equiv 1, 2425, 10201, \text{ or } 12625 \pmod{20200}$ except $n = 2425$
50	102	$n \equiv 1, 3825, 6001, 6801, 11425, 12801, 17425, \text{ or } 18225 \pmod{20400}$ except $n = 3825, 6001, 6801$
50	103	$n \equiv 1, 825, 17201, \text{ or } 18025 \pmod{20600}$ except $n = 825$
50	104	$n \equiv 1, 4225, 5825, \text{ or } 19201 \pmod{20800}$ except $n = 4225, 5825$
50	105	$n \equiv 1, 2625, 8001, 8625, 9625, 14001, 15001, \text{ or } 15625 \pmod{21000}$ except $n = 2625, 8001, 8625, 9625$
50	106	$n \equiv 1, 6625, 11025, \text{ or } 16801 \pmod{21200}$ except $n = 6625$

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Table 49: Superspectra for  $p = 50$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
50	107	$n \equiv 1, 3425, 4601, \text{ or } 8025 \pmod{21400}$ except $n = 3425, 4601, 8025$
50	108	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
50	109	$n \equiv 1, 13625, 14825, \text{ or } 20601 \pmod{21800}$
50	110	$n \equiv 1, 8625, 12001, \text{ or } 20625 \pmod{22000}$ except $n = 8625$
50	111	$n \equiv 1, 5625, 7401, 12025, 13801, 19425, 20425, \text{ or } 21201 \pmod{22200}$ except $n = 5625, 7401$
50	112	$n \equiv 1, 13825, 17025, \text{ or } 19201 \pmod{22400}$
50	113	$n \equiv 1, 2825, 5425, \text{ or } 20001 \pmod{22600}$ except $n = 2825, 5425$
50	114	$n \equiv 1, 1425, 1825, 7201, 9025, 15201, 17025, \text{ or } 22401 \pmod{22800}$ except $n = 1425, 1825, 7201, 9025$
50	115	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{23000}$ except $n = 2001, 6625, 8625$
50	116	$n \equiv 1, 7425, 13601, \text{ or } 21025 \pmod{23200}$ except $n = 7425$
50	117	$n \equiv 1, 2601, 3601, 6201, 8425, 11025, 12025, \text{ or } 14625 \pmod{23400}$ except $n = 2601, 3601, 6201, 8425, 11025$
50	118	$n \equiv 1, 16225, 19825, \text{ or } 20001 \pmod{23600}$
50	119	$n \equiv 1, 1225, 7225, 9401, 11425, 13601, 19601, \text{ or } 20825 \pmod{23800}$ except $n = 1225, 7225, 9401, 11425$
50	120	$n \equiv 1, 2625, 8001, \text{ or } 18625 \pmod{24000}$ except $n = 2625, 8001$
50	121	$n \equiv 1, 3025, 9801, \text{ or } 17425 \pmod{24200}$ except $n = 3025, 9801$
50	122	$n \equiv 1, 19825, 20801, \text{ or } 23425 \pmod{24400}$
50	123	$n \equiv 1, 2625, 6601, 9225, 10825, 16401, 17425, \text{ or } 23001 \pmod{24600}$ except $n = 2625, 6601, 9225, 10825$
50	124	$n \equiv 1, 17825, 20801, \text{ or } 21825 \pmod{24800}$
50	125	$n \equiv 1 \text{ or } 15625 \pmod{25000}$
50	126	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
50	127	$n \equiv 1, 8001, 14225, \text{ or } 22225 \pmod{25400}$ except $n = 8001$

*continued on next page*

Table 49: Superspectra for  $p = 50$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
50	128	$n \equiv 1$ or $1025 \pmod{25600}$ except $n = 1025$

Table 50: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 51$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	2	$n \equiv 1, 153, 273, \text{ or } 289 \pmod{408}$ except $n = 153$
51	3	$n \equiv 1, 153, 289, \text{ or } 477 \pmod{612}$ except $n = 153, 289$
51	4	$n \equiv 1, 273, 289, \text{ or } 561 \pmod{816}$ except $n = 273, 289$
51	5	$n \equiv 1, 85, 205, 561, 681, 765, 885, \text{ or } 901 \pmod{1020}$ except $n = 85, 205$
51	6	$n \equiv 1, 153, 289, \text{ or } 1089 \pmod{1224}$ except $n = 153, 289$
51	7	$n \equiv 1, 85, 273, 357, 477, 561, 1225, \text{ or } 1309 \pmod{1428}$ except $n = 85, 273, 357, 477, 561$
51	8	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
51	9	$n \equiv 1, 1377, 1513, \text{ or } 1701 \pmod{1836}$
51	10	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
51	11	$n \equiv 1, 561, 969, 1089, 1309, 1497, 1717, \text{ or } 1837 \pmod{2244}$ except $n = 561, 969, 1089$
51	12	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
51	13	$n \equiv 1, 273, 885, 1105, 1717, 1989, 2041, \text{ or } 2601 \pmod{2652}$ except $n = 273, 885, 1105$
51	14	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
51	15	$n \equiv 1, 765, 901, 1225, 1701, 2125, 2601, \text{ or } 2925 \pmod{3060}$ except $n = 765, 901, 1225$

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Table 50: Superspectra for  $p = 51$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	16	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
51	17	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{3468}$ except $n = 289$
51	18	$n \equiv 1, 1377, 1513, \text{ or } 3537 \pmod{3672}$ except $n = 1377, 1513$
51	19	$n \equiv 1, 153, 817, 969, 1293, 2109, 2737, \text{ or } 3553 \pmod{3876}$ except $n = 153, 817, 969, 1293$
51	20	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
51	21	$n \equiv 1, 477, 1225, 1513, 1701, 1989, 2737, \text{ or } 3213 \pmod{4284}$ except $n = 477, 1225, 1513, 1701, 1989$
51	22	$n \equiv 1, 561, 969, 1089, 1497, 3553, 3961, \text{ or } 4081 \pmod{4488}$ except $n = 561, 969, 1089, 1497$
51	23	$n \equiv 1, 69, 1105, 1173, 1633, 2737, 3129, \text{ or } 4233 \pmod{4692}$ except $n = 69, 1105, 1173, 1633$
51	24	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
51	25	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{5100}$ except $n = 901, 1225, 1701, 2125$
51	26	$n \equiv 1, 273, 1105, 2041, 2601, 3537, 4369, \text{ or } 4641 \pmod{5304}$ except $n = 273, 1105, 2041, 2601$
51	27	$n \equiv 1, 1377, 1701, \text{ or } 5185 \pmod{5508}$ except $n = 1377, 1701$
51	28	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
51	29	$n \equiv 1, 493, 697, 3741, 3945, 4437, 4641, \text{ or } 5713 \pmod{5916}$ except $n = 493, 697$
51	30	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$
51	31	$n \equiv 1, 1581, 2109, 2449, 3349, 4557, 5457, \text{ or } 5797 \pmod{6324}$ except $n = 1581, 2109, 2449$
51	32	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$

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Table 50: Superspectra for  $p = 51$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	33	$n \equiv 1, 1089, 1837, 3213, 3961, 5049, 5797, \text{ or } 5985 \pmod{6732}$ except $n = 1089, 1837, 3213$
51	34	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{6936}$ except $n = 289, 2313, 2601$
51	35	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, 2941, 4081,$ $4165, 4285, 4641, 4761, 4845, 5985, \text{ or } 7021 \pmod{7140}$ except $n = 85, 561, 1225, 1701, 1785, 1905, 2941$
51	36	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
51	37	$n \equiv 1, 2109, 2517, 3145, 3553, 5661, 6069, \text{ or } 7141 \pmod{7548}$ except $n = 2109, 2517, 3145, 3553$
51	38	$n \equiv 1, 153, 817, 969, 2737, 3553, 5169, \text{ or } 5985 \pmod{7752}$ except $n = 153, 817, 969, 2737, 3553$
51	39	$n \equiv 1, 1989, 2601, 2925, 3537, 6409, 7021, \text{ or } 7345 \pmod{7956}$ except $n = 1989, 2601, 2925, 3537$
51	40	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
51	41	$n \equiv 1, 205, 493, 697, 5577, 5781, 6069, \text{ or } 6273 \pmod{8364}$ except $n = 205, 493, 697$
51	42	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
51	43	$n \equiv 1, 817, 1377, 2193, 2925, 3741, 7225, \text{ or } 8041 \pmod{8772}$ except $n = 817, 1377, 2193, 2925, 3741$
51	44	$n \equiv 1, 561, 1089, 3553, 4081, 5457, 5985, \text{ or } 8449 \pmod{8976}$ except $n = 561, 1089, 3553, 4081$
51	45	$n \equiv 1, 1701, 5185, 6885, 7021, 7345, 8721, \text{ or } 9045 \pmod{9180}$ except $n = 1701$
51	46	$n \equiv 1, 1105, 1633, 2737, 3129, 4233, 4761, \text{ or } 5865 \pmod{9384}$ except $n = 1105, 1633, 2737, 3129, 4233$
51	47	$n \equiv 1, 2397, 3009, 5593, 5781, 6205, 6393, \text{ or } 8977 \pmod{9588}$ except $n = 2397, 3009$

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Table 50: Superspectra for  $p = 51$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	48	$n \equiv 1, 1089, 5185, \text{ or } 6273 \pmod{9792}$ except $n = 1089$
51	49	$n \equiv 1, 1225, 2941, 3333, 4165, 4557, 6273, \text{ or } 7497 \pmod{9996}$ except $n = 1225, 2941, 3333, 4165, 4557$
51	50	$n \equiv 1, 1225, 2601, 3825, 6001, 6801, 7225, \text{ or } 8025 \pmod{10200}$ except $n = 1225, 2601, 3825$
51	51	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{10404}$ except $n = 289, 2313, 2601$
51	52	$n \equiv 1, 273, 1105, 3537, 4369, 4641, 7345, \text{ or } 7905 \pmod{10608}$ except $n = 273, 1105, 3537, 4369, 4641$
51	53	$n \equiv 1, 477, 901, 4029, 4081, 7209, 7633, \text{ or } 8109 \pmod{10812}$ except $n = 477, 901, 4029, 4081$
51	54	$n \equiv 1, 1377, 5185, \text{ or } 7209 \pmod{11016}$ except $n = 1377, 5185$
51	55	$n \equiv 1, 561, 2245, 2805, 3741, 3961, 4081, 5985, 6205,$ $6325, 7701, 7821, 8041, 9945, 10065, \text{ or } 10285 \pmod{11220}$ except $n = 561, 2245, 2805, 3741, 3961, 4081$
51	56	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
51	57	$n \equiv 1, 153, 2737, 5985, 8569, 8721, 9045, \text{ or } 11305 \pmod{11628}$ except $n = 153, 2737$
51	58	$n \equiv 1, 697, 3945, 4641, 5713, 6409, 9657, \text{ or } 10353 \pmod{11832}$ except $n = 697, 3945, 4641, 5713$
51	59	$n \equiv 1, 885, 2125, 3009, 4897, 7021, 8025, \text{ or } 10149 \pmod{12036}$ except $n = 885, 2125, 3009, 4897$
51	60	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
51	61	$n \equiv 1, 3417, 4149, 5185, 5917, 9333, 10065, \text{ or } 11713 \pmod{12444}$ except $n = 3417, 4149, 5185, 5917$
51	62	$n \equiv 1, 2449, 5457, 7905, 8433, 9673, 10881, \text{ or } 12121 \pmod{12648}$ except $n = 2449, 5457$

*continued on next page*



Table 50: Superspectra for  $p = 51$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	63	$n \equiv 1, 1513, 1701, 3213, 5509, 7021, 9045, \text{ or } 10557 \pmod{12852}$ except $n = 1513, 1701, 3213, 5509$
51	64	$n \equiv 1, 4353, 8449, \text{ or } 12801 \pmod{13056}$ except $n = 4353$
51	65	$n \equiv 1, 885, 1105, 2041, 2601, 2925, 4641, 5305, 7021,$ $7345, 7905, 8841, 9061, 9945, 10881, \text{ or } 12325 \pmod{13260}$ except $n = 885, 1105, 2041, 2601, 2925, 4641, 5305$
51	66	$n \equiv 1, 1089, 3961, 5049, 5985, 8569, 9945, \text{ or } 12529 \pmod{13464}$ except $n = 1089, 3961, 5049, 5985$
51	67	$n \equiv 1, 3417, 4489, 4557, 8041, 9045, 12529, \text{ or } 12597 \pmod{13668}$ except $n = 3417, 4489, 4557$
51	68	$n \equiv 1, 289, 9249, \text{ or } 9537 \pmod{13872}$ except $n = 289$
51	69	$n \equiv 1, 2737, 4761, 5797, 7821, 10557, 11017, \text{ or } 13617 \pmod{14076}$ except $n = 2737, 4761, 5797$
51	70	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
51	71	$n \equiv 1, 1633, 1989, 3621, 6817, 8449, 9657, \text{ or } 11289 \pmod{14484}$ except $n = 1633, 1989, 3621, 6817$
51	72	$n \equiv 1, 1377, 5185, \text{ or } 10881 \pmod{14688}$ except $n = 1377, 5185$
51	73	$n \equiv 1, 3213, 4965, 6205, 7957, 11169, 12921, \text{ or } 13141 \pmod{14892}$ except $n = 3213, 4965, 6205$
51	74	$n \equiv 1, 3145, 3553, 9657, 10065, 13209, 13617, \text{ or } 14689 \pmod{15096}$ except $n = 3145, 3553$
51	75	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{15300}$ except $n = 901, 1225, 1701, 2125, 2601, 2925, 3825$
51	76	$n \equiv 1, 817, 2737, 3553, 5169, 5985, 7905, \text{ or } 8721 \pmod{15504}$ except $n = 817, 2737, 3553, 5169, 5985$

*continued on next page*

Table 50: Superspectra for  $p = 51$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	77	$n \equiv 1, 561, 1309, 3213, 3333, 4081, 5797, 5985, 7701,$ $8449, 8569, 10473, 11221, 11781, 12937, \text{ or } 14553 \pmod{15708}$ except $n = 561, 1309, 3213, 3333, 4081, 5797, 5985, 7701$
51	78	$n \equiv 1, 2601, 3537, 6409, 7345, 9945, 10881, \text{ or } 14977 \pmod{15912}$ except $n = 2601, 3537, 6409, 7345$
51	79	$n \equiv 1, 1581, 2449, 4029, 5373, 7821, 12325, \text{ or } 14773 \pmod{16116}$ except $n = 1581, 2449, 4029, 5373, 7821$
51	80	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
51	81	$n \equiv 1, 1701, 10693, \text{ or } 12393 \pmod{16524}$ except $n = 1701$
51	82	$n \equiv 1, 697, 5577, 6273, 8569, 8857, 14145, \text{ or } 14433 \pmod{16728}$ except $n = 697, 5577, 6273$
51	83	$n \equiv 1, 4233, 4897, 4981, 9877, 11289, 16185, \text{ or } 16269 \pmod{16932}$ except $n = 4233, 4897, 4981$
51	84	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
51	85	$n \equiv 1, 2601, 5781, 7225, 10405, 13005, 14161, \text{ or } 16185 \pmod{17340}$ except $n = 2601, 5781, 7225$
51	86	$n \equiv 1, 817, 1377, 2193, 7225, 8041, 11697, \text{ or } 12513 \pmod{17544}$ except $n = 817, 1377, 2193, 7225, 8041$
51	87	$n \equiv 1, 4437, 6409, 9657, 10557, 11629, 12529, \text{ or } 15777 \pmod{17748}$ except $n = 4437, 6409$
51	88	$n \equiv 1, 1089, 3553, 5985, 8449, 9537, 13057, \text{ or } 14433 \pmod{17952}$ except $n = 1089, 3553, 5985, 8449$
51	89	$n \equiv 1, 357, 1513, 6409, 7209, 12105, 13261, \text{ or } 13617 \pmod{18156}$ except $n = 357, 1513, 6409, 7209$
51	90	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 16201, \text{ or } 18225 \pmod{18360}$ except $n = 5185, 7345, 8721$

*continued on next page*

Table 50: Superspectra for  $p = 51$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	91	$n \equiv 1, 273, 1989, 2653, 4369, 4641, 6189, 7021, 8841,$ $9997, 10557, 12649, 13209, 14365, 16185, \text{ or } 17017 \pmod{18564}$ except $n = 273, 1989, 2653, 4369, 4641, 6189, 7021, 8841$
51	92	$n \equiv 1, 1105, 1633, 2737, 12513, 13617, 14145, \text{ or } 15249 \pmod{18768}$ except $n = 1105, 1633, 2737$
51	93	$n \equiv 1, 2449, 3349, 5797, 8433, 10881, 11781, \text{ or } 14229 \pmod{18972}$ except $n = 2449, 3349, 5797, 8433$
51	94	$n \equiv 1, 3009, 5593, 6393, 8977, 11985, 15369, \text{ or } 15793 \pmod{19176}$ except $n = 3009, 5593, 6393, 8977$
51	95	$n \equiv 1, 4845, 5985, 7905, 8721, 9045, 9861, 11305, 11781,$ $12445, 12921, 14365, 15181, 15505, 16321, \text{ or } 18241 \pmod{19380}$ except $n = 4845, 5985, 7905, 8721, 9045$
51	96	$n \equiv 1, 6273, 10881, \text{ or } 14977 \pmod{19584}$ except $n = 6273$
51	97	$n \equiv 1, 2329, 5917, 6597, 8245, 8925, 12513, \text{ or } 14841 \pmod{19788}$ except $n = 2329, 5917, 6597, 8245, 8925$
51	98	$n \equiv 1, 1225, 6273, 7497, 12937, 13329, 14161, \text{ or } 14553 \pmod{19992}$ except $n = 1225, 6273, 7497$
51	99	$n \equiv 1, 1837, 3213, 5049, 10693, 12529, 12717, \text{ or } 14553 \pmod{20196}$ except $n = 1837, 3213, 5049$
51	100	$n \equiv 1, 3825, 6001, 6801, 11425, 12801, 17425, \text{ or } 18225 \pmod{20400}$ except $n = 3825, 6001, 6801$
51	101	$n \equiv 1, 1717, 3333, 5253, 10201, 12121, 13737, \text{ or } 15453 \pmod{20604}$ except $n = 1717, 3333, 5253, 10201$
51	102	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{20808}$ except $n = 289, 2313, 2601$
51	103	$n \equiv 1, 5253, 7005, 8653, 10609, 15657, 17613, \text{ or } 19261 \pmod{21012}$ except $n = 5253, 7005, 8653$
51	104	$n \equiv 1, 4641, 7905, 10881, 11713, 14145, 14977, \text{ or } 17953 \pmod{21216}$ except $n = 4641, 7905$

*continued on next page*

Table 50: Superspectra for  $p = 51$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	105	$n \equiv 1, 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081,$ $11305, 11781, 14365, 14841, 16065, 18361, \text{ or } 19125 \pmod{21420}$ except $n = 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081$
51	106	$n \equiv 1, 4081, 7209, 7633, 11289, 11713, 14841, \text{ or } 18921 \pmod{21624}$ except $n = 4081, 7209, 7633$
51	107	$n \equiv 1, 5457, 8025, 11985, 12733, 14553, 15301, \text{ or } 19261 \pmod{21828}$ except $n = 5457, 8025$
51	108	$n \equiv 1, 1377, 5185, \text{ or } 18225 \pmod{22032}$ except $n = 1377, 5185$
51	109	$n \equiv 1, 1309, 7413, 7957, 8721, 9265, 15369, \text{ or } 16677 \pmod{22236}$ except $n = 1309, 7413, 7957, 8721, 9265$
51	110	$n \equiv 1, 561, 3961, 4081, 5985, 8041, 9945, 10065, 13465,$ $14025, 14961, 17425, 17545, 18921, 19041, \text{ or } 21505 \pmod{22440}$ except $n = 561, 3961, 4081, 5985, 8041, 9945, 10065$
51	111	$n \equiv 1, 5661, 9657, 10693, 13617, 14689, 17613, \text{ or } 18649 \pmod{22644}$ except $n = 5661, 9657, 10693$
51	112	$n \equiv 1, 6273, 7617, 8449, 9793, 16065, 17409, \text{ or } 21505 \pmod{22848}$ except $n = 6273, 7617, 8449, 9793$
51	113	$n \equiv 1, 1921, 7345, 9945, 15369, 17289, 17629, \text{ or } 22713 \pmod{23052}$ except $n = 1921, 7345, 9945$
51	114	$n \equiv 1, 153, 2737, 5985, 8569, 8721, 11305, \text{ or } 20673 \pmod{23256}$ except $n = 153, 2737, 5985, 8569, 8721, 11305$
51	115	$n \equiv 1, 1105, 4761, 5865, 6325, 7821, 8925, 9385, 12121,$ $14145, 15181, 17205, 19941, 20401, 21505, \text{ or } 23001 \pmod{23460}$ except $n = 1105, 4761, 5865, 6325, 7821, 8925, 9385$
51	116	$n \equiv 1, 4641, 5713, 10353, 12529, 15777, 18241, \text{ or } 21489 \pmod{23664}$ except $n = 4641, 5713, 10353$
51	117	$n \equiv 1, 3537, 7021, 7345, 10557, 10881, 14365, \text{ or } 17901 \pmod{23868}$ except $n = 3537, 7021, 7345, 10557, 10881$
51	118	$n \equiv 1, 3009, 4897, 8025, 12921, 14161, 19057, \text{ or } 22185 \pmod{24072}$ except $n = 3009, 4897, 8025$

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Table 50: Superspectra for  $p = 51$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
51	119	$n \equiv 1, 6069, 6937, 7225, 14161, 16185, 23121, \text{ or } 23409 \pmod{24276}$ except $n = 6069, 6937, 7225$
51	120	$n \equiv 1, 5185, 5985, 10081, 10881, 16065, 19585, \text{ or } 20961 \pmod{24480}$ except $n = 5185, 5985, 10081, 10881$
51	121	$n \equiv 1, 969, 1089, 8229, 10285, 17425, 17545, \text{ or } 18513 \pmod{24684}$ except $n = 969, 1089, 8229, 10285$
51	122	$n \equiv 1, 3417, 5185, 10065, 11713, 16593, 18361, \text{ or } 21777 \pmod{24888}$ except $n = 3417, 5185, 10065, 11713$
51	123	$n \equiv 1, 6273, 8569, 8857, 13941, 17425, 22509, \text{ or } 22797 \pmod{25092}$ except $n = 6273, 8569, 8857$
51	124	$n \equiv 1, 2449, 5457, 7905, 8433, 10881, 22321, \text{ or } 24769 \pmod{25296}$ except $n = 2449, 5457, 7905, 8433, 10881$
51	125	$n \equiv 1, 2125, 6001, 13125, 17001, 19125, 21625, \text{ or } 23001 \pmod{25500}$ except $n = 2125, 6001$
51	126	$n \equiv 1, 1513, 14553, 16065, 18361, 19873, 21897, \text{ or } 23409 \pmod{25704}$ except $n = 1513$
51	127	$n \equiv 1, 1905, 4573, 6477, 8637, 13209, 19177, \text{ or } 23749 \pmod{25908}$ except $n = 1905, 4573, 6477, 8637$
51	128	$n \equiv 1, 12801, 17409, \text{ or } 21505 \pmod{26112}$ except $n = 12801$

Table 51: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 52$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
52	2	$n \equiv 1 \text{ or } 65 \pmod{416}$ except $n = 65$
52	3	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$
52	4	$n \equiv 1 \text{ or } 65 \pmod{832}$ except $n = 65$
52	5	$n \equiv 1, 65, 481, \text{ or } 625 \pmod{1040}$ except $n = 65, 481$

*continued on next page*

Table 51: Superspectra for  $p = 52$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
52	6	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
52	7	$n \equiv 1, 273, 833, \text{ or } 897 \pmod{1456}$ except $n = 273$
52	8	$n \equiv 1 \text{ or } 897 \pmod{1664}$
52	9	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
52	10	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
52	11	$n \equiv 1, 209, 1937, \text{ or } 2145 \pmod{2288}$ except $n = 209$
52	12	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
52	13	$n \equiv 1 \text{ or } 1521 \pmod{2704}$
52	14	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
52	15	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
52	16	$n \equiv 1 \text{ or } 2561 \pmod{3328}$
52	17	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{3536}$ except $n = 273, 833, 1105$
52	18	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
52	19	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{3952}$ except $n = 209, 1521, 1729$
52	20	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
52	21	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
52	22	$n \equiv 1, 2145, 2497, \text{ or } 4225 \pmod{4576}$ except $n = 2145$
52	23	$n \equiv 1, 897, 1105, \text{ or } 4577 \pmod{4784}$ except $n = 897, 1105$
52	24	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
52	25	$n \equiv 1, 625, 3601, \text{ or } 4225 \pmod{5200}$ except $n = 625$
52	26	$n \equiv 1 \text{ or } 4225 \pmod{5408}$
52	27	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
52	28	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
52	29	$n \equiv 1, 3393, 4641, \text{ or } 4785 \pmod{6032}$

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Table 51: Superspectra for  $p = 52$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
52	30	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
52	31	$n \equiv 1, 1457, 2977, \text{ or } 4433 \pmod{6448}$ except $n = 1457, 2977$
52	32	$n \equiv 1 \text{ or } 2561 \pmod{6656}$ except $n = 2561$
52	33	$n \equiv 1, 2145, 2289, 2497, 4225, 4785, 6513, \text{ or } 6721 \pmod{6864}$ except $n = 2145, 2289, 2497$
52	34	$n \equiv 1, 833, 3809, \text{ or } 4641 \pmod{7072}$ except $n = 833$
52	35	$n \equiv 1, 3185, 3745, 4641, 5201, 5265, 5825, \text{ or } 6721 \pmod{7280}$ except $n = 3185$
52	36	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
52	37	$n \equiv 1, 481, 1665, \text{ or } 6513 \pmod{7696}$ except $n = 481, 1665$
52	38	$n \equiv 1, 1729, 4161, \text{ or } 5473 \pmod{7904}$ except $n = 1729$
52	39	$n \equiv 1, 1521, 4225, \text{ or } 5409 \pmod{8112}$ except $n = 1521$
52	40	$n \equiv 1, 1665, 2561, \text{ or } 4225 \pmod{8320}$ except $n = 1665, 2561$
52	41	$n \equiv 1, 1313, 5617, \text{ or } 6929 \pmod{8528}$ except $n = 1313$
52	42	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
52	43	$n \equiv 1, 689, 7697, \text{ or } 8385 \pmod{8944}$ except $n = 689$
52	44	$n \equiv 1, 2497, 4225, \text{ or } 6721 \pmod{9152}$ except $n = 2497, 4225$
52	45	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
52	46	$n \equiv 1, 897, 4577, \text{ or } 5889 \pmod{9568}$ except $n = 897, 4577$
52	47	$n \equiv 1, 1457, 5265, \text{ or } 6721 \pmod{9776}$ except $n = 1457$
52	48	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
52	49	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{10192}$ except $n = 833, 2353, 3185$
52	50	$n \equiv 1, 4225, 5825, \text{ or } 8801 \pmod{10400}$ except $n = 4225$

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Table 51: Superspectra for  $p = 52$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
52	51	$n \equiv 1, 273, 1105, 3537, 4369, 4641, 7345, \text{ or } 7905 \pmod{10608}$ except $n = 273, 1105, 3537, 4369, 4641$
52	52	$n \equiv 1 \text{ or } 4225 \pmod{10816}$ except $n = 4225$
52	53	$n \equiv 1, 689, 3393, \text{ or } 8321 \pmod{11024}$ except $n = 689, 3393$
52	54	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
52	55	$n \equiv 1, 2145, 4225, 4785, 6721, 6865, 8801, \text{ or } 9361 \pmod{11440}$ except $n = 2145, 4225, 4785$
52	56	$n \equiv 1, 897, 6657, \text{ or } 7553 \pmod{11648}$ except $n = 897$
52	57	$n \equiv 1, 1521, 1729, 4161, 5473, 7905, 8113, \text{ or } 9633 \pmod{11856}$ except $n = 1521, 1729, 4161, 5473$
52	58	$n \equiv 1, 3393, 4641, \text{ or } 10817 \pmod{12064}$ except $n = 3393, 4641$
52	59	$n \equiv 1, 3953, 7553, \text{ or } 11505 \pmod{12272}$ except $n = 3953$
52	60	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
52	61	$n \equiv 1, 7137, 8113, \text{ or } 11713 \pmod{12688}$
52	62	$n \equiv 1, 2977, 7905, \text{ or } 10881 \pmod{12896}$ except $n = 2977$
52	63	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
52	64	$n \equiv 1 \text{ or } 9217 \pmod{13312}$
52	65	$n \equiv 1, 1521, 2705, \text{ or } 4225 \pmod{13520}$ except $n = 1521, 2705, 4225$
52	66	$n \equiv 1, 2145, 2497, 4225, 6721, 9153, 11649, \text{ or } 13377 \pmod{13728}$ except $n = 2145, 2497, 4225, 6721$
52	67	$n \equiv 1, 2145, 3953, \text{ or } 6097 \pmod{13936}$ except $n = 2145, 3953, 6097$
52	68	$n \equiv 1, 833, 10881, \text{ or } 11713 \pmod{14144}$ except $n = 833$
52	69	$n \equiv 1, 897, 1105, 4785, 5889, 9361, 10465, \text{ or } 14145 \pmod{14352}$ except $n = 897, 1105, 4785, 5889$
52	70	$n \equiv 1, 3745, 4641, 5825, 6721, 10465, 12481, \text{ or } 12545 \pmod{14560}$ except $n = 3745, 4641, 5825, 6721$

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Table 51: Superspectra for  $p = 52$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
52	71	$n \equiv 1, 2769, 5681, \text{ or } 11857 \pmod{14768}$ except $n = 2769, 5681$
52	72	$n \equiv 1, 1665, 9217, \text{ or } 10881 \pmod{14976}$ except $n = 1665$
52	73	$n \equiv 1, 4161, 8177, \text{ or } 12337 \pmod{15184}$ except $n = 4161$
52	74	$n \equiv 1, 481, 1665, \text{ or } 14209 \pmod{15392}$ except $n = 481, 1665$
52	75	$n \equiv 1, 625, 3601, 4225, 10401, 11025, 14001, \text{ or } 14625 \pmod{15600}$ except $n = 625, 3601, 4225$
52	76	$n \equiv 1, 1729, 4161, \text{ or } 13377 \pmod{15808}$ except $n = 1729, 4161$
52	77	$n \equiv 1, 2289, 6721, 9009, 11089, 11649, 13377, \text{ or } 13937 \pmod{16016}$ except $n = 2289, 6721$
52	78	$n \equiv 1, 4225, 5409, \text{ or } 9633 \pmod{16224}$ except $n = 4225, 5409$
52	79	$n \equiv 1, 5057, 6241, \text{ or } 11297 \pmod{16432}$ except $n = 5057, 6241$
52	80	$n \equiv 1, 2561, 9985, \text{ or } 12545 \pmod{16640}$ except $n = 2561$
52	81	$n \equiv 1, 5265, 9153, \text{ or } 12961 \pmod{16848}$ except $n = 5265$
52	82	$n \equiv 1, 1313, 14145, \text{ or } 15457 \pmod{17056}$ except $n = 1313$
52	83	$n \equiv 1, 7553, 7969, \text{ or } 16849 \pmod{17264}$ except $n = 7553, 7969$
52	84	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
52	85	$n \equiv 1, 1105, 4641, 7345, 7905, 10881, 11441, \text{ or } 14145 \pmod{17680}$ except $n = 1105, 4641, 7345, 7905$
52	86	$n \equiv 1, 8385, 9633, \text{ or } 16641 \pmod{17888}$ except $n = 8385$
52	87	$n \equiv 1, 3393, 4641, 4785, 6033, 15457, 16705, \text{ or } 16849 \pmod{18096}$ except $n = 3393, 4641, 4785, 6033$
52	88	$n \equiv 1, 4225, 11649, \text{ or } 15873 \pmod{18304}$ except $n = 4225$
52	89	$n \equiv 1, 15041, 15665, \text{ or } 17889 \pmod{18512}$
52	90	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
52	91	$n \equiv 1, 8113, 9633, \text{ or } 17745 \pmod{18928}$ except $n = 8113$

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Table 51: Superspectra for  $p = 52$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
52	92	$n \equiv 1, 897, 5889, \text{ or } 14145 \pmod{19136}$ except $n = 897, 5889$
52	93	$n \equiv 1, 2977, 7905, 10881, 12897, 14353, 15873, \text{ or } 17329 \pmod{19344}$ except $n = 2977, 7905$
52	94	$n \equiv 1, 6721, 11233, \text{ or } 15041 \pmod{19552}$ except $n = 6721$
52	95	$n \equiv 1, 1521, 4161, 5681, 7905, 9425, 12065, \text{ or } 13585 \pmod{19760}$ except $n = 1521, 4161, 5681, 7905, 9425$
52	96	$n \equiv 1, 6657, 9217, \text{ or } 15873 \pmod{19968}$ except $n = 6657, 9217$
52	97	$n \equiv 1, 6305, 7761, \text{ or } 18721 \pmod{20176}$ except $n = 6305, 7761$
52	98	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{20384}$ except $n = 833$
52	99	$n \equiv 1, 9009, 9153, 9361, 11089, 18513, 20241, \text{ or } 20449 \pmod{20592}$ except $n = 9009, 9153, 9361$
52	100	$n \equiv 1, 4225, 5825, \text{ or } 19201 \pmod{20800}$ except $n = 4225, 5825$
52	101	$n \equiv 1, 1313, 4849, \text{ or } 17473 \pmod{21008}$ except $n = 1313, 4849$
52	102	$n \equiv 1, 4641, 7905, 10881, 11713, 14145, 14977, \text{ or } 17953 \pmod{21216}$ except $n = 4641, 7905$
52	103	$n \equiv 1, 4017, 10609, \text{ or } 14833 \pmod{21424}$ except $n = 4017, 10609$
52	104	$n \equiv 1 \text{ or } 4225 \pmod{21632}$ except $n = 4225$
52	105	$n \equiv 1, 3745, 4641, 5265, 6721, 7281, 10465, 11025, 12481,$ $13105, 14001, 17745, 19201, 19761, 19825, \text{ or } 20385 \pmod{21840}$ except $n = 3745, 4641, 5265, 6721, 7281, 10465$
52	106	$n \equiv 1, 3393, 8321, \text{ or } 11713 \pmod{22048}$ except $n = 3393, 8321$
52	107	$n \equiv 1, 3745, 17121, \text{ or } 20865 \pmod{22256}$ except $n = 3745$
52	108	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{22464}$ except $n = 1729, 9153, 10881$
52	109	$n \equiv 1, 2289, 10465, \text{ or } 12753 \pmod{22672}$ except $n = 2289, 10465$
52	110	$n \equiv 1, 2145, 4225, 6721, 8801, 16225, 18305, \text{ or } 20801 \pmod{22880}$ except $n = 2145, 4225, 6721, 8801$
52	111	$n \equiv 1, 481, 1665, 6513, 9361, 14209, 15393, \text{ or } 15873 \pmod{23088}$ except $n = 481, 1665, 6513, 9361$

*continued on next page*

Table 51: Superspectra for  $p = 52$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
52	112	$n \equiv 1, 6657, 12545, \text{ or } 19201 \pmod{23296}$ except $n = 6657$
52	113	$n \equiv 1, 7345, 9153, \text{ or } 21697 \pmod{23504}$ except $n = 7345, 9153$
52	114	$n \equiv 1, 1729, 4161, 5473, 7905, 9633, 13377, \text{ or } 19969 \pmod{23712}$ except $n = 1729, 4161, 5473, 7905, 9633$
52	115	$n \equiv 1, 1105, 4785, 5681, 9361, 10465, 14145, \text{ or } 20241 \pmod{23920}$ except $n = 1105, 4785, 5681, 9361, 10465$
52	116	$n \equiv 1, 3393, 10817, \text{ or } 16705 \pmod{24128}$ except $n = 3393, 10817$
52	117	$n \equiv 1, 1521, 5409, \text{ or } 20449 \pmod{24336}$ except $n = 1521, 5409$
52	118	$n \equiv 1, 7553, 16225, \text{ or } 23777 \pmod{24544}$ except $n = 7553$
52	119	$n \equiv 1, 273, 833, 3809, 4369, 4641, 8177, \text{ or } 21217 \pmod{24752}$ except $n = 273, 833, 3809, 4369, 4641, 8177$
52	120	$n \equiv 1, 1665, 4225, 9985, 10881, 16641, 19201, \text{ or } 20865 \pmod{24960}$ except $n = 1665, 4225, 9985, 10881$
52	121	$n \equiv 1, 1937, 18513, \text{ or } 20449 \pmod{25168}$ except $n = 1937$
52	122	$n \equiv 1, 7137, 11713, \text{ or } 20801 \pmod{25376}$ except $n = 7137, 11713$
52	123	$n \equiv 1, 5617, 8529, 9841, 14145, 15457, 18369, \text{ or } 23985 \pmod{25584}$ except $n = 5617, 8529, 9841$
52	124	$n \equiv 1, 10881, 15873, \text{ or } 20801 \pmod{25792}$ except $n = 10881$
52	125	$n \equiv 1, 625, 14001, \text{ or } 14625 \pmod{26000}$ except $n = 625$
52	126	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
52	127	$n \equiv 1, 6097, 12065, \text{ or } 18161 \pmod{26416}$ except $n = 6097, 12065$
52	128	$n \equiv 1 \text{ or } 22529 \pmod{26624}$

Table 52: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 53$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
53	2	$n \equiv 1$ or $265 \pmod{424}$
53	3	$n \equiv 1, 213, 265, \text{ or } 477 \pmod{636}$ except $n = 213, 265$
53	4	$n \equiv 1$ or $689 \pmod{848}$
53	5	$n \equiv 1, 265, 425, \text{ or } 901 \pmod{1060}$ except $n = 265, 425$
53	6	$n \equiv 1, 265, 849, \text{ or } 1113 \pmod{1272}$ except $n = 265$
53	7	$n \equiv 1, 477, 637, \text{ or } 1113 \pmod{1484}$ except $n = 477, 637$
53	8	$n \equiv 1$ or $1537 \pmod{1696}$
53	9	$n \equiv 1, 477, 901, \text{ or } 1485 \pmod{1908}$ except $n = 477, 901$
53	10	$n \equiv 1, 265, 425, \text{ or } 1961 \pmod{2120}$ except $n = 265, 425$
53	11	$n \equiv 1, 265, 1485, \text{ or } 1749 \pmod{2332}$ except $n = 265$
53	12	$n \equiv 1, 849, 1537, \text{ or } 2385 \pmod{2544}$ except $n = 849$
53	13	$n \equiv 1, 53, 637, \text{ or } 689 \pmod{2756}$ except $n = 53, 637, 689$
53	14	$n \equiv 1, 1113, 1961, \text{ or } 2121 \pmod{2968}$ except $n = 1113$
53	15	$n \equiv 1, 265, 901, 1485, 2121, 2385, 2545, \text{ or } 3021 \pmod{3180}$ except $n = 265, 901, 1485$
53	16	$n \equiv 1$ or $1537 \pmod{3392}$ except $n = 1537$
53	17	$n \equiv 1, 425, 477, \text{ or } 901 \pmod{3604}$ except $n = 425, 477, 901$
53	18	$n \equiv 1, 2385, 2809, \text{ or } 3393 \pmod{3816}$
53	19	$n \equiv 1, 1273, 1749, \text{ or } 3021 \pmod{4028}$ except $n = 1273, 1749$
53	20	$n \equiv 1, 2385, 2545, \text{ or } 4081 \pmod{4240}$
53	21	$n \equiv 1, 477, 637, 1113, 1485, 2121, 3445, \text{ or } 4081 \pmod{4452}$ except $n = 477, 637, 1113, 1485, 2121$
53	22	$n \equiv 1, 265, 3817, \text{ or } 4081 \pmod{4664}$ except $n = 265$
53	23	$n \equiv 1, 1749, 1909, \text{ or } 3657 \pmod{4876}$ except $n = 1749, 1909$
53	24	$n \equiv 1, 1537, 3393, \text{ or } 4929 \pmod{5088}$ except $n = 1537$

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Table 52: Superspectra for  $p = 53$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
53	25	$n \equiv 1, 425, 901, \text{ or } 1325 \pmod{5300}$ except $n = 425, 901, 1325$
53	26	$n \equiv 1, 689, 2809, \text{ or } 3393 \pmod{5512}$ except $n = 689$
53	27	$n \equiv 1, 1485, 2809, \text{ or } 4293 \pmod{5724}$ except $n = 1485, 2809$
53	28	$n \equiv 1, 4081, 4929, \text{ or } 5089 \pmod{5936}$
53	29	$n \equiv 1, 1537, 3393, \text{ or } 4293 \pmod{6148}$ except $n = 1537$
53	30	$n \equiv 1, 265, 2121, 2385, 2545, 4081, 4665, \text{ or } 6201 \pmod{6360}$ except $n = 265, 2121, 2385, 2545$
53	31	$n \equiv 1, 4929, 5301, \text{ or } 6201 \pmod{6572}$
53	32	$n \equiv 1 \text{ or } 1537 \pmod{6784}$ except $n = 1537$
53	33	$n \equiv 1, 265, 1485, 1749, 3817, 4081, 4665, \text{ or } 4929 \pmod{6996}$ except $n = 265, 1485, 1749$
53	34	$n \equiv 1, 425, 4081, \text{ or } 4505 \pmod{7208}$ except $n = 425$
53	35	$n \equiv 1, 1485, 1961, 2121, 3445, 3605, 4081, \text{ or } 5565 \pmod{7420}$ except $n = 1485, 1961, 2121, 3445, 3605$
53	36	$n \equiv 1, 2385, 3393, \text{ or } 6625 \pmod{7632}$ except $n = 2385, 3393$
53	37	$n \equiv 1, 1961, 4293, \text{ or } 5513 \pmod{7844}$ except $n = 1961$
53	38	$n \equiv 1, 1273, 5777, \text{ or } 7049 \pmod{8056}$ except $n = 1273$
53	39	$n \equiv 1, 637, 2757, 2809, 3393, 3445, 5565, \text{ or } 6201 \pmod{8268}$ except $n = 637, 2757, 2809, 3393, 3445$
53	40	$n \equiv 1, 6625, 6785, \text{ or } 8321 \pmod{8480}$
53	41	$n \equiv 1, 2173, 3445, \text{ or } 7421 \pmod{8692}$ except $n = 2173, 3445$
53	42	$n \equiv 1, 1113, 2121, 4081, 4929, 5089, 5937, \text{ or } 7897 \pmod{8904}$ except $n = 1113, 2121, 4081$
53	43	$n \equiv 1, 689, 6149, \text{ or } 6837 \pmod{9116}$ except $n = 689$
53	44	$n \equiv 1, 4081, 4929, \text{ or } 8481 \pmod{9328}$ except $n = 4081$
53	45	$n \equiv 1, 901, 1485, 2385, 5301, 5725, 6201, \text{ or } 6625 \pmod{9540}$ except $n = 901, 1485, 2385$

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Table 52: Superspectra for  $p = 53$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
53	46	$n \equiv 1, 3657, 6625, \text{ or } 6785 \pmod{9752}$ except $n = 3657$
53	47	$n \equiv 1, 7473, 7897, \text{ or } 9541 \pmod{9964}$
53	48	$n \equiv 1, 1537, 3393, \text{ or } 4929 \pmod{10176}$ except $n = 1537, 3393, 4929$
53	49	$n \equiv 1, 637, 1961, \text{ or } 2597 \pmod{10388}$ except $n = 637, 1961, 2597$
53	50	$n \equiv 1, 425, 6201, \text{ or } 6625 \pmod{10600}$ except $n = 425$
53	51	$n \equiv 1, 477, 901, 4029, 4081, 7209, 7633, \text{ or } 8109 \pmod{10812}$ except $n = 477, 901, 4029, 4081$
53	52	$n \equiv 1, 689, 3393, \text{ or } 8321 \pmod{11024}$ except $n = 689, 3393$
53	53	$n \equiv 1 \text{ or } 2809 \pmod{11236}$ except $n = 2809$
53	54	$n \equiv 1, 2809, 7209, \text{ or } 10017 \pmod{11448}$ except $n = 2809$
53	55	$n \equiv 1, 265, 1485, 4081, 4665, 7261, 8481, \text{ or } 8745 \pmod{11660}$ except $n = 265, 1485, 4081, 4665$
53	56	$n \equiv 1, 4929, 5089, \text{ or } 10017 \pmod{11872}$ except $n = 4929, 5089$
53	57	$n \equiv 1, 1273, 1749, 3021, 4029, 5301, 9805, \text{ or } 11077 \pmod{12084}$ except $n = 1273, 1749, 3021, 4029, 5301$
53	58	$n \equiv 1, 1537, 3393, \text{ or } 10441 \pmod{12296}$ except $n = 1537, 3393$
53	59	$n \equiv 1, 2597, 6785, \text{ or } 9381 \pmod{12508}$ except $n = 2597$
53	60	$n \equiv 1, 2385, 2545, 4081, 6625, 8481, 11025, \text{ or } 12561 \pmod{12720}$ except $n = 2385, 2545, 4081$
53	61	$n \equiv 1, 3233, 4453, \text{ or } 11713 \pmod{12932}$ except $n = 3233, 4453$
53	62	$n \equiv 1, 4929, 6201, \text{ or } 11873 \pmod{13144}$ except $n = 4929, 6201$
53	63	$n \equiv 1, 477, 1485, 8533, 9541, 10017, 11025, \text{ or } 12349 \pmod{13356}$ except $n = 477, 1485$
53	64	$n \equiv 1 \text{ or } 1537 \pmod{13568}$ except $n = 1537$
53	65	$n \equiv 1, 3445, 5565, 6201, 8321, 8905, 11025, \text{ or } 11661 \pmod{13780}$ except $n = 3445, 5565, 6201$

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Table 52: Superspectra for  $p = 53$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
53	66	$n \equiv 1, 265, 3817, 4081, 4665, 4929, 8481, \text{ or } 8745 \pmod{13992}$ except $n = 265, 3817, 4081, 4665, 4929$
53	67	$n \equiv 1, 1273, 9381, \text{ or } 10653 \pmod{14204}$ except $n = 1273$
53	68	$n \equiv 1, 4081, 7633, \text{ or } 11713 \pmod{14416}$ except $n = 4081$
53	69	$n \equiv 1, 1749, 1909, 3657, 6625, 8533, 9753, \text{ or } 11661 \pmod{14628}$ except $n = 1749, 1909, 3657, 6625$
53	70	$n \equiv 1, 1961, 2121, 4081, 8905, 10865, 11025, \text{ or } 12985 \pmod{14840}$ except $n = 1961, 2121, 4081$
53	71	$n \equiv 1, 213, 11077, \text{ or } 11289 \pmod{15052}$ except $n = 213$
53	72	$n \equiv 1, 3393, 6625, \text{ or } 10017 \pmod{15264}$ except $n = 3393, 6625$
53	73	$n \equiv 1, 3869, 4453, \text{ or } 14893 \pmod{15476}$ except $n = 3869, 4453$
53	74	$n \equiv 1, 1961, 5513, \text{ or } 12137 \pmod{15688}$ except $n = 1961, 5513$
53	75	$n \equiv 1, 901, 5301, 5725, 6201, 6625, 11025, \text{ or } 11925 \pmod{15900}$ except $n = 901, 5301, 5725, 6201, 6625$
53	76	$n \equiv 1, 5777, 9329, \text{ or } 15105 \pmod{16112}$ except $n = 5777$
53	77	$n \equiv 1, 1485, 2597, 4081, 4929, 6413, 13993, \text{ or } 15477 \pmod{16324}$ except $n = 1485, 2597, 4081, 4929, 6413$
53	78	$n \equiv 1, 2809, 3393, 6201, 8905, 11025, 11713, \text{ or } 13833 \pmod{16536}$ except $n = 2809, 3393, 6201$
53	79	$n \equiv 1, 4029, 8533, \text{ or } 12561 \pmod{16748}$ except $n = 4029$
53	80	$n \equiv 1, 6785, 8321, \text{ or } 15105 \pmod{16960}$ except $n = 6785, 8321$
53	81	$n \equiv 1, 4293, 7209, \text{ or } 14257 \pmod{17172}$ except $n = 4293, 7209$
53	82	$n \equiv 1, 10865, 12137, \text{ or } 16113 \pmod{17384}$
53	83	$n \equiv 1, 1909, 11289, \text{ or } 13197 \pmod{17596}$ except $n = 1909$
53	84	$n \equiv 1, 4081, 4929, 5089, 5937, 10017, 11025, \text{ or } 16801 \pmod{17808}$ except $n = 4081, 4929, 5089, 5937$
53	85	$n \equiv 1, 425, 901, 3605, 4081, 4505, 7685, \text{ or } 14841 \pmod{18020}$ except $n = 425, 901, 3605, 4081, 4505, 7685$

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Table 52: Superspectra for  $p = 53$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
53	86	$n \equiv 1, 689, 15265, \text{ or } 15953 \pmod{18232}$ except $n = 689$
53	87	$n \equiv 1, 1537, 3393, 4293, 9541, 10441, 12297, \text{ or } 13833 \pmod{18444}$ except $n = 1537, 3393, 4293$
53	88	$n \equiv 1, 4929, 8481, \text{ or } 13409 \pmod{18656}$ except $n = 4929, 8481$
53	89	$n \equiv 1, 4717, 7209, \text{ or } 16377 \pmod{18868}$ except $n = 4717, 7209$
53	90	$n \equiv 1, 2385, 6201, 6625, 10441, 11025, 14841, \text{ or } 15265 \pmod{19080}$ except $n = 2385, 6201, 6625$
53	91	$n \equiv 1, 637, 3445, 5565, 8905, 11025, 13833, \text{ or } 14469 \pmod{19292}$ except $n = 637, 3445, 5565, 8905$
53	92	$n \equiv 1, 6625, 6785, \text{ or } 13409 \pmod{19504}$ except $n = 6625, 6785$
53	93	$n \equiv 1, 4929, 5301, 6201, 6573, 18073, 18445, \text{ or } 19345 \pmod{19716}$ except $n = 4929, 5301, 6201, 6573$
53	94	$n \equiv 1, 7473, 7897, \text{ or } 19505 \pmod{19928}$ except $n = 7473, 7897$
53	95	$n \equiv 1, 3021, 5301, 9805, 12085, 15105, 17385, \text{ or } 17861 \pmod{20140}$ except $n = 3021, 5301, 9805$
53	96	$n \equiv 1, 1537, 13569, \text{ or } 15105 \pmod{20352}$ except $n = 1537$
53	97	$n \equiv 1, 5141, 10865, \text{ or } 14841 \pmod{20564}$ except $n = 5141$
53	98	$n \equiv 1, 1961, 11025, \text{ or } 12985 \pmod{20776}$ except $n = 1961$
53	99	$n \equiv 1, 1485, 3817, 11925, 14257, 15741, 18073, \text{ or } 18657 \pmod{20988}$ except $n = 1485, 3817$
53	100	$n \equiv 1, 6625, 11025, \text{ or } 16801 \pmod{21200}$ except $n = 6625$
53	101	$n \equiv 1, 2121, 3233, \text{ or } 5353 \pmod{21412}$ except $n = 2121, 3233, 5353$
53	102	$n \equiv 1, 4081, 7209, 7633, 11289, 11713, 14841, \text{ or } 18921 \pmod{21624}$ except $n = 4081, 7209, 7633$
53	103	$n \equiv 1, 3605, 12773, \text{ or } 16377 \pmod{21836}$ except $n = 3605$
53	104	$n \equiv 1, 3393, 8321, \text{ or } 11713 \pmod{22048}$ except $n = 3393, 8321$

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Table 52: Superspectra for  $p = 53$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
53	105	$n \equiv 1, 1485, 2121, 3445, 4081, 5565, 8905, 9381, 9541,$ $11025, 12985, 14841, 16801, 18285, 18445, \text{ or } 18921 \pmod{22260}$ except $n = 1485, 2121, 3445, 4081, 5565,$ $8905, 9381, 9541, 11025$
53	106	$n \equiv 1 \text{ or } 2809 \pmod{22472}$ except $n = 2809$
53	107	$n \equiv 1, 5565, 11449, \text{ or } 17013 \pmod{22684}$ except $n = 5565$
53	108	$n \equiv 1, 10017, 14257, \text{ or } 18657 \pmod{22896}$ except $n = 10017$
53	109	$n \equiv 1, 5777, 9593, \text{ or } 19293 \pmod{23108}$ except $n = 5777, 9593$
53	110	$n \equiv 1, 265, 4081, 4665, 8481, 8745, 13145, \text{ or } 18921 \pmod{23320}$ except $n = 265, 4081, 4665, 8481, 8745$
53	111	$n \equiv 1, 4293, 7845, 9805, 13357, 17649, 19981, \text{ or } 21201 \pmod{23532}$ except $n = 4293, 7845, 9805$
53	112	$n \equiv 1, 4929, 16961, \text{ or } 21889 \pmod{23744}$ except $n = 4929$
53	113	$n \equiv 1, 5989, 7685, \text{ or } 22261 \pmod{23956}$ except $n = 5989, 7685$
53	114	$n \equiv 1, 1273, 13833, 15105, 16113, 17385, 21889, \text{ or } 23161 \pmod{24168}$ except $n = 1273$
53	115	$n \equiv 1, 6625, 6785, 11501, 11661, 18285, 19505, \text{ or } 23161 \pmod{24380}$ except $n = 6625, 6785, 11501, 11661$
53	116	$n \equiv 1, 1537, 3393, \text{ or } 22737 \pmod{24592}$ except $n = 1537, 3393$
53	117	$n \equiv 1, 2809, 3393, 6201, 11025, 13833, 17173, \text{ or } 19981 \pmod{24804}$ except $n = 2809, 3393, 6201, 11025$
53	118	$n \equiv 1, 6785, 15105, \text{ or } 21889 \pmod{25016}$ except $n = 6785$
53	119	$n \equiv 1, 477, 3605, 4081, 14841, 15317, 18445, \text{ or } 18921 \pmod{25228}$ except $n = 477, 3605, 4081$
53	120	$n \equiv 1, 6625, 8481, 15105, 15265, 16801, 23745, \text{ or } 25281 \pmod{25440}$ except $n = 6625, 8481$
53	121	$n \equiv 1, 6413, 7261, \text{ or } 24805 \pmod{25652}$ except $n = 6413, 7261$
53	122	$n \equiv 1, 3233, 11713, \text{ or } 17385 \pmod{25864}$ except $n = 3233, 11713$

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Table 52: Superspectra for  $p = 53$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
53	123	$n \equiv 1, 2173, 3445, 16113, 17385, 19557, 20829, \text{ or } 24805 \pmod{26076}$ except $n = 2173, 3445$
53	124	$n \equiv 1, 4929, 11873, \text{ or } 19345 \pmod{26288}$ except $n = 4929, 11873$
53	125	$n \equiv 1, 6625, 11501, \text{ or } 21625 \pmod{26500}$ except $n = 6625, 11501$
53	126	$n \equiv 1, 10017, 11025, 13833, 14841, 21889, 22897, \text{ or } 25705 \pmod{26712}$ except $n = 10017, 11025$
53	127	$n \equiv 1, 20193, 20829, \text{ or } 26289 \pmod{26924}$
53	128	$n \equiv 1 \text{ or } 1537 \pmod{27136}$ except $n = 1537$

Table 53: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 54$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
54	2	$n \equiv 1 \text{ or } 81 \pmod{432}$ except $n = 81$
54	3	$n \equiv 1 \text{ or } 81 \pmod{648}$ except $n = 81$
54	4	$n \equiv 1 \text{ or } 513 \pmod{864}$
54	5	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
54	6	$n \equiv 1 \text{ or } 81 \pmod{1296}$ except $n = 81$
54	7	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
54	8	$n \equiv 1 \text{ or } 513 \pmod{1728}$ except $n = 513$
54	9	$n \equiv 1 \text{ or } 729 \pmod{1944}$ except $n = 729$
54	10	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
54	11	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
54	12	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
54	13	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$
54	14	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$

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Table 53: Superspectra for  $p = 54$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
54	15	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
54	16	$n \equiv 1 \text{ or } 513 \pmod{3456}$ except $n = 513$
54	17	$n \equiv 1, 1377, 1513, \text{ or } 3537 \pmod{3672}$ except $n = 1377, 1513$
54	18	$n \equiv 1 \text{ or } 2673 \pmod{3888}$
54	19	$n \equiv 1, 513, 1729, \text{ or } 2889 \pmod{4104}$ except $n = 513, 1729$
54	20	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
54	21	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
54	22	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
54	23	$n \equiv 1, 1081, 2025, \text{ or } 3105 \pmod{4968}$ except $n = 1081, 2025$
54	24	$n \equiv 1 \text{ or } 3969 \pmod{5184}$
54	25	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
54	26	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
54	27	$n \equiv 1 \text{ or } 729 \pmod{5832}$ except $n = 729$
54	28	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
54	29	$n \equiv 1, 1161, 4321, \text{ or } 5481 \pmod{6264}$ except $n = 1161$
54	30	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
54	31	$n \equiv 1, 217, 3969, \text{ or } 4185 \pmod{6696}$ except $n = 217$
54	32	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
54	33	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{7128}$ except $n = 649, 2025, 2673$
54	34	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
54	35	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
54	36	$n \equiv 1 \text{ or } 6561 \pmod{7776}$
54	37	$n \equiv 1, 297, 6697, \text{ or } 6993 \pmod{7992}$ except $n = 297$
54	38	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
54	39	$n \equiv 1, 729, 4537, \text{ or } 5265 \pmod{8424}$ except $n = 729$

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Table 53: Superspectra for  $p = 54$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
54	40	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
54	41	$n \equiv 1, 3321, 5617, \text{ or } 6561 \pmod{8856}$ except $n = 3321$
54	42	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
54	43	$n \equiv 1, 1161, 1377, \text{ or } 9073 \pmod{9288}$ except $n = 1161, 1377$
54	44	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
54	45	$n \equiv 1, 1945, 6561, \text{ or } 8505 \pmod{9720}$ except $n = 1945$
54	46	$n \equiv 1, 3105, 6049, \text{ or } 6993 \pmod{9936}$ except $n = 3105$
54	47	$n \equiv 1, 1081, 5265, \text{ or } 6345 \pmod{10152}$ except $n = 1081$
54	48	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
54	49	$n \equiv 1, 3969, 4753, \text{ or } 9801 \pmod{10584}$ except $n = 3969, 4753$
54	50	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
54	51	$n \equiv 1, 1377, 5185, \text{ or } 7209 \pmod{11016}$ except $n = 1377, 5185$
54	52	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
54	53	$n \equiv 1, 2809, 7209, \text{ or } 10017 \pmod{11448}$ except $n = 2809$
54	54	$n \equiv 1 \text{ or } 6561 \pmod{11664}$
54	55	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
54	56	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
54	57	$n \equiv 1, 4617, 5833, \text{ or } 11097 \pmod{12312}$ except $n = 4617, 5833$
54	58	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{12528}$ except $n = 4321$
54	59	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{12744}$ except $n = 649, 945, 1593$
54	60	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
54	61	$n \equiv 1, 5185, 6345, \text{ or } 11529 \pmod{13176}$ except $n = 5185, 6345$
54	62	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{13392}$ except $n = 3969$
54	63	$n \equiv 1, 729, 7777, \text{ or } 8505 \pmod{13608}$ except $n = 729$
54	64	$n \equiv 1 \text{ or } 513 \pmod{13824}$ except $n = 513$

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Table 53: Superspectra for  $p = 54$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
54	65	$n \equiv 1, 5265, 6345, 7345, 8425, 10881, 11961, \text{ or } 12961 \pmod{14040}$ except $n = 5265, 6345$
54	66	$n \equiv 1, 2673, 7777, \text{ or } 9153 \pmod{14256}$ except $n = 2673$
54	67	$n \equiv 1, 1809, 3753, \text{ or } 12529 \pmod{14472}$ except $n = 1809, 3753$
54	68	$n \equiv 1, 1377, 5185, \text{ or } 10881 \pmod{14688}$ except $n = 1377, 5185$
54	69	$n \equiv 1, 2025, 11017, \text{ or } 13041 \pmod{14904}$ except $n = 2025$
54	70	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
54	71	$n \equiv 1, 9585, 10153, \text{ or } 14769 \pmod{15336}$
54	72	$n \equiv 1 \text{ or } 14337 \pmod{15552}$
54	73	$n \equiv 1, 5913, 10585, \text{ or } 11097 \pmod{15768}$ except $n = 5913$
54	74	$n \equiv 1, 6993, 8289, \text{ or } 14689 \pmod{15984}$ except $n = 6993$
54	75	$n \equiv 1, 2025, 8425, \text{ or } 9801 \pmod{16200}$ except $n = 2025$
54	76	$n \equiv 1, 513, 1729, \text{ or } 15201 \pmod{16416}$ except $n = 513, 1729$
54	77	$n \equiv 1, 3025, 4753, 6777, 7777, 9801, 11529, \text{ or } 14553 \pmod{16632}$ except $n = 3025, 4753, 6777, 7777$
54	78	$n \equiv 1, 5265, 9153, \text{ or } 12961 \pmod{16848}$ except $n = 5265$
54	79	$n \equiv 1, 10665, 13825, \text{ or } 13905 \pmod{17064}$
54	80	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
54	81	$n \equiv 1 \text{ or } 6561 \pmod{17496}$ except $n = 6561$
54	82	$n \equiv 1, 5617, 6561, \text{ or } 12177 \pmod{17712}$ except $n = 5617, 6561$
54	83	$n \equiv 1, 2241, 3321, \text{ or } 16849 \pmod{17928}$ except $n = 2241, 3321$
54	84	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
54	85	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 16201, \text{ or } 18225 \pmod{18360}$ except $n = 5185, 7345, 8721$
54	86	$n \equiv 1, 1377, 9073, \text{ or } 10449 \pmod{18576}$ except $n = 1377, 9073$
54	87	$n \equiv 1, 11745, 13689, \text{ or } 16849 \pmod{18792}$

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Table 53: Superspectra for  $p = 54$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
54	88	$n \equiv 1, 7425, 9153, \text{ or } 17281 \pmod{19008}$ except $n = 7425, 9153$
54	89	$n \equiv 1, 1513, 5697, \text{ or } 7209 \pmod{19224}$ except $n = 1513, 5697, 7209$
54	90	$n \equiv 1, 6561, 11665, \text{ or } 18225 \pmod{19440}$ except $n = 6561$
54	91	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 16849, \text{ or } 17577 \pmod{19656}$ except $n = 729, 1729, 2457, 4537, 5265$
54	92	$n \equiv 1, 3105, 6049, \text{ or } 16929 \pmod{19872}$ except $n = 3105, 6049$
54	93	$n \equiv 1, 3969, 13609, \text{ or } 17577 \pmod{20088}$ except $n = 3969$
54	94	$n \equiv 1, 5265, 11233, \text{ or } 16497 \pmod{20304}$ except $n = 5265$
54	95	$n \equiv 1, 4105, 8721, 12825, 14041, 15201, 18145, \text{ or } 19305 \pmod{20520}$ except $n = 4105, 8721$
54	96	$n \equiv 1 \text{ or } 14337 \pmod{20736}$
54	97	$n \equiv 1, 3105, 4753, \text{ or } 7857 \pmod{20952}$ except $n = 3105, 4753, 7857$
54	98	$n \equiv 1, 3969, 4753, \text{ or } 20385 \pmod{21168}$ except $n = 3969, 4753$
54	99	$n \equiv 1, 2673, 7777, \text{ or } 16281 \pmod{21384}$ except $n = 2673, 7777$
54	100	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
54	101	$n \equiv 1, 7777, 11313, \text{ or } 19089 \pmod{21816}$ except $n = 7777$
54	102	$n \equiv 1, 1377, 5185, \text{ or } 18225 \pmod{22032}$ except $n = 1377, 5185$
54	103	$n \equiv 1, 13905, 15553, \text{ or } 20601 \pmod{22248}$
54	104	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{22464}$ except $n = 1729, 9153, 10881$
54	105	$n \equiv 1, 3241, 5265, 8505, 9801, 13041, 18145, \text{ or } 21385 \pmod{22680}$ except $n = 3241, 5265, 8505, 9801$
54	106	$n \equiv 1, 10017, 14257, \text{ or } 18657 \pmod{22896}$ except $n = 10017$
54	107	$n \equiv 1, 2889, 11449, \text{ or } 14553 \pmod{23112}$ except $n = 2889, 11449$
54	108	$n \equiv 1 \text{ or } 6561 \pmod{23328}$ except $n = 6561$
54	109	$n \equiv 1, 8721, 11881, \text{ or } 20601 \pmod{23544}$ except $n = 8721$
54	110	$n \equiv 1, 3025, 4401, 7425, 9505, 13905, 17281, \text{ or } 21681 \pmod{23760}$ except $n = 3025, 4401, 7425, 9505$

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Table 53: Superspectra for  $p = 54$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
54	111	$n \equiv 1, 14985, 16281, \text{ or } 22681 \pmod{23976}$
54	112	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
54	113	$n \equiv 1, 1809, 7345, \text{ or } 9153 \pmod{24408}$ except $n = 1809, 7345, 9153$
54	114	$n \equiv 1, 16929, 18145, \text{ or } 23409 \pmod{24624}$
54	115	$n \equiv 1, 1081, 2025, 3105, 11961, 13041, 14905, \text{ or } 15985 \pmod{24840}$ except $n = 1081, 2025, 3105, 11961$
54	116	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{25056}$ except $n = 4321, 7425, 11745$
54	117	$n \equiv 1, 729, 21385, \text{ or } 22113 \pmod{25272}$ except $n = 729$
54	118	$n \equiv 1, 945, 13393, \text{ or } 14337 \pmod{25488}$ except $n = 945$
54	119	$n \equiv 1, 1513, 14553, 16065, 18361, 19873, 21897, \text{ or } 23409 \pmod{25704}$ except $n = 1513$
54	120	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{25920}$ except $n = 5185$
54	121	$n \equiv 1, 3025, 6777, \text{ or } 9801 \pmod{26136}$ except $n = 3025, 6777, 9801$
54	122	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{26352}$ except $n = 5185$
54	123	$n \equiv 1, 3321, 6561, \text{ or } 23329 \pmod{26568}$ except $n = 3321, 6561$
54	124	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{26784}$ except $n = 3969, 6913, 10881$
54	125	$n \equiv 1, 23625, 24625, \text{ or } 26001 \pmod{27000}$
54	126	$n \equiv 1, 7777, 14337, \text{ or } 22113 \pmod{27216}$ except $n = 7777$
54	127	$n \equiv 1, 17145, 19305, \text{ or } 25273 \pmod{27432}$
54	128	$n \equiv 1 \text{ or } 14337 \pmod{27648}$

Table 54: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 55$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	2	$n \equiv 1, 121, 265, \text{ or } 385 \pmod{440}$ except $n = 121$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	3	$n \equiv 1, 45, 121, 165, 265, 385, 441, \text{ or } 561 \pmod{660}$ except $n = 45, 121, 165, 265$
55	4	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
55	5	$n \equiv 1, 825, 925, \text{ or } 1001 \pmod{1100}$
55	6	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
55	7	$n \equiv 1, 385, 441, 561, 925, 1001, 1365, \text{ or } 1485 \pmod{1540}$ except $n = 385, 441, 561$
55	8	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
55	9	$n \equiv 1, 45, 441, 1045, 1441, 1485, 1585, \text{ or } 1881 \pmod{1980}$ except $n = 45, 441$
55	10	$n \equiv 1, 825, 1001, \text{ or } 2025 \pmod{2200}$ except $n = 825, 1001$
55	11	$n \equiv 1, 121, 485, \text{ or } 605 \pmod{2420}$ except $n = 121, 485, 605$
55	12	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
55	13	$n \equiv 1, 221, 781, 1001, 1145, 1365, 1925, \text{ or } 2145 \pmod{2860}$ except $n = 221, 781, 1001, 1145, 1365$
55	14	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
55	15	$n \equiv 1, 825, 925, 1101, 2025, 2101, 3025, \text{ or } 3201 \pmod{3300}$ except $n = 825, 925, 1101$
55	16	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
55	17	$n \equiv 1, 221, 341, 561, 2245, 2465, 2585, \text{ or } 2805 \pmod{3740}$ except $n = 221, 341, 561$
55	18	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
55	19	$n \equiv 1, 1045, 1805, 1881, 2585, 2641, 3345, \text{ or } 3421 \pmod{4180}$ except $n = 1045, 1805, 1881$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	20	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
55	21	$n \equiv 1, 385, 441, 561, 925, 1365, 1485, 1981, 2101,$ $2541, 2905, 3025, 3081, 3465, 4005, \text{ or } 4081 \pmod{4620}$ except $n = 385, 441, 561, 925, 1365, 1485, 1981, 2101$
55	22	$n \equiv 1, 121, 2905, \text{ or } 3025 \pmod{4840}$ except $n = 121$
55	23	$n \equiv 1, 1265, 1541, 2025, 2761, 3565, 4301, \text{ or } 4785 \pmod{5060}$ except $n = 1265, 1541, 2025$
55	24	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
55	25	$n \equiv 1, 1001, 3125, \text{ or } 4125 \pmod{5500}$ except $n = 1001$
55	26	$n \equiv 1, 1001, 1145, 2145, 3081, 3641, 4225, \text{ or } 4785 \pmod{5720}$ except $n = 1001, 1145, 2145$
55	27	$n \equiv 1, 1485, 2025, 3025, 3565, 3861, 4401, \text{ or } 5401 \pmod{5940}$ except $n = 1485, 2025$
55	28	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
55	29	$n \equiv 1, 1045, 2321, 2465, 3741, 4785, 5105, \text{ or } 6061 \pmod{6380}$ except $n = 1045, 2321, 2465$
55	30	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
55	31	$n \equiv 1, 341, 1365, 1705, 2201, 3565, 4961, \text{ or } 6325 \pmod{6820}$ except $n = 341, 1365, 1705, 2201$
55	32	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
55	33	$n \equiv 1, 121, 2421, 2541, 2905, 3025, 5325, \text{ or } 5445 \pmod{7260}$ except $n = 121, 2421, 2541, 2905, 3025$
55	34	$n \equiv 1, 561, 2465, 2585, 3961, 4081, 5985, \text{ or } 6545 \pmod{7480}$ except $n = 561, 2465, 2585$
55	35	$n \equiv 1, 925, 1001, 1925, 2101, 3025, 6601, \text{ or } 7525 \pmod{7700}$ except $n = 925, 1001, 1925, 2101, 3025$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	36	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
55	37	$n \equiv 1, 925, 1221, 1925, 4181, 4885, 5181, \text{ or } 6105 \pmod{8140}$ except $n = 925, 1221, 1925$
55	38	$n \equiv 1, 1881, 2585, 2641, 3345, 5225, 5985, \text{ or } 7601 \pmod{8360}$ except $n = 1881, 2585, 2641, 3345$
55	39	$n \equiv 1, 781, 1365, 2145, 3081, 3861, 4005, 4225, 4785,$ $5005, 5721, 5941, 6501, 6721, 6865, \text{ or } 7645 \pmod{8580}$ except $n = 781, 1365, 2145, 3081, 3861, 4005, 4225$
55	40	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
55	41	$n \equiv 1, 165, 1805, 4961, 6601, 6765, 7381, \text{ or } 8405 \pmod{9020}$ except $n = 165, 1805$
55	42	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
55	43	$n \equiv 1, 2365, 3741, 3785, 4301, 7525, 8041, \text{ or } 8085 \pmod{9460}$ except $n = 2365, 3741, 3785, 4301$
55	44	$n \equiv 1, 3025, 4961, \text{ or } 7745 \pmod{9680}$ except $n = 3025$
55	45	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 7525, \text{ or } 9801 \pmod{9900}$ except $n = 2025, 3025, 4401$
55	46	$n \equiv 1, 1265, 2025, 2761, 4785, 6601, 8625, \text{ or } 9361 \pmod{10120}$ except $n = 1265, 2025, 2761, 4785$
55	47	$n \equiv 1, 705, 1881, 2585, 4841, 6205, 6721, \text{ or } 8085 \pmod{10340}$ except $n = 705, 1881, 2585, 4841$
55	48	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
55	49	$n \equiv 1, 441, 7645, 8085, 8625, 9065, 9801, \text{ or } 10241 \pmod{10780}$ except $n = 441$
55	50	$n \equiv 1, 1001, 8625, \text{ or } 9625 \pmod{11000}$ except $n = 1001$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	51	$n \equiv 1, 561, 2245, 2805, 3741, 3961, 4081, 5985, 6205,$ $6325, 7701, 7821, 8041, 9945, 10065, \text{ or } 10285 \pmod{11220}$ except $n = 561, 2245, 2805, 3741, 3961, 4081$
55	52	$n \equiv 1, 2145, 4225, 4785, 6721, 6865, 8801, \text{ or } 9361 \pmod{11440}$ except $n = 2145, 4225, 4785$
55	53	$n \equiv 1, 265, 1485, 4081, 4665, 7261, 8481, \text{ or } 8745 \pmod{11660}$ except $n = 265, 1485, 4081, 4665$
55	54	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
55	55	$n \equiv 1, 3025, 5325, \text{ or } 9801 \pmod{12100}$ except $n = 3025, 5325$
55	56	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
55	57	$n \equiv 1, 1045, 1881, 2641, 3345, 3421, 5985, 6061, 6765,$ $7525, 8361, 9405, 10165, 10945, 11001, \text{ or } 11781 \pmod{12540}$ except $n = 1045, 1881, 2641, 3345, 3421, 5985, 6061$
55	58	$n \equiv 1, 2321, 2465, 4785, 5105, 7425, 10121, \text{ or } 12441 \pmod{12760}$ except $n = 2321, 2465, 4785, 5105$
55	59	$n \equiv 1, 3245, 5665, 5841, 7965, 8261, 10385, \text{ or } 10561 \pmod{12980}$ except $n = 3245, 5665, 5841$
55	60	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
55	61	$n \equiv 1, 1221, 2685, 3905, 6161, 7381, 8845, \text{ or } 10065 \pmod{13420}$ except $n = 1221, 2685, 3905, 6161$
55	62	$n \equiv 1, 1705, 2201, 4961, 7161, 8185, 10385, \text{ or } 13145 \pmod{13640}$ except $n = 1705, 2201, 4961$
55	63	$n \equiv 1, 441, 1485, 1981, 3025, 3465, 4005, 5005, 5545,$ $5985, 7525, 9801, 11341, 11781, 12321, \text{ or } 13321 \pmod{13860}$ except $n = 441, 1485, 1981, 3025, 3465,$ $4005, 5005, 5545, 5985$
55	64	$n \equiv 1, 7425, 10241, \text{ or } 11265 \pmod{14080}$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	65	$n \equiv 1, 1001, 1925, 4225, 6501, 8801, 9725, \text{ or } 10725 \pmod{14300}$ except $n = 1001, 1925, 4225, 6501$
55	66	$n \equiv 1, 121, 2905, 3025, 9681, 9801, 12585, \text{ or } 12705 \pmod{14520}$ except $n = 121, 2905, 3025$
55	67	$n \equiv 1, 1541, 2145, 3685, 8041, 8845, 9581, \text{ or } 10385 \pmod{14740}$ except $n = 1541, 2145, 3685$
55	68	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 10065, \text{ or } 11441 \pmod{14960}$ except $n = 561, 2465, 4081, 5985, 6545$
55	69	$n \equiv 1, 2025, 2761, 3565, 4785, 5061, 6325, 6601, 7821,$ $8625, 9361, 11385, 11661, 12145, 14421, \text{ or } 14905 \pmod{15180}$ except $n = 2025, 2761, 3565, 4785, 5061, 6325, 6601$
55	70	$n \equiv 1, 1001, 3025, 6601, 8625, 9625, 9801, \text{ or } 15225 \pmod{15400}$ except $n = 1001, 3025, 6601$
55	71	$n \equiv 1, 781, 1705, 2201, 3125, 3905, 5325, \text{ or } 14201 \pmod{15620}$ except $n = 781, 1705, 2201, 3125, 3905, 5325$
55	72	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
55	73	$n \equiv 1, 5621, 5841, 6205, 6425, 12045, 12265, \text{ or } 15841 \pmod{16060}$ except $n = 5621, 5841, 6205, 6425$
55	74	$n \equiv 1, 6105, 9065, 9361, 10065, 12321, 13025, \text{ or } 13321 \pmod{16280}$ except $n = 6105$
55	75	$n \equiv 1, 4125, 6501, 8625, 9625, 11001, 12001, \text{ or } 14125 \pmod{16500}$ except $n = 4125, 6501$
55	76	$n \equiv 1, 2641, 3345, 5985, 7601, 10241, 10945, \text{ or } 13585 \pmod{16720}$ except $n = 2641, 3345, 5985, 7601$
55	77	$n \equiv 1, 2541, 2905, 3025, 9681, 9801, 10165, \text{ or } 12705 \pmod{16940}$ except $n = 2541, 2905, 3025$
55	78	$n \equiv 1, 2145, 3081, 4225, 4785, 5721, 6721, 6865, 9361,$ $9945, 12441, 12585, 13585, 14521, 15081, \text{ or } 16225 \pmod{17160}$ except $n = 2145, 3081, 4225, 4785, 5721, 6721, 6865$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	79	$n \equiv 1, 1265, 3081, 4345, 4741, 7821, 13905, \text{ or } 16985 \pmod{17380}$ except $n = 1265, 3081, 4345, 4741, 7821$
55	80	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{17600}$ except $n = 3201, 4225, 7425$
55	81	$n \equiv 1, 2025, 3565, 9801, 11341, 13365, 14905, \text{ or } 16281 \pmod{17820}$ except $n = 2025, 3565$
55	82	$n \equiv 1, 4961, 6601, 9185, 10825, 15785, 16401, \text{ or } 17425 \pmod{18040}$ except $n = 4961, 6601$
55	83	$n \equiv 1, 1661, 2905, 4565, 7305, 8965, 13861, \text{ or } 15521 \pmod{18260}$ except $n = 1661, 2905, 4565, 7305, 8965$
55	84	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
55	85	$n \equiv 1, 4301, 6325, 7701, 9725, 14025, 15301, \text{ or } 17425 \pmod{18700}$ except $n = 4301, 6325, 7701$
55	86	$n \equiv 1, 3785, 8041, 11825, 13201, 13761, 16985, \text{ or } 17545 \pmod{18920}$ except $n = 3785, 8041$
55	87	$n \equiv 1, 1045, 3741, 4785, 6061, 6381, 7425, 8701, 8845,$ $11485, 12441, 15081, 15225, 16501, 17545, \text{ or } 17865 \pmod{19140}$ except $n = 1045, 3741, 4785, 6061, 6381, 7425, 8701, 8845$
55	88	$n \equiv 1, 4961, 7745, \text{ or } 12705 \pmod{19360}$ except $n = 4961, 7745$
55	89	$n \equiv 1, 4005, 6765, 7921, 10681, 14685, 15665, \text{ or } 18601 \pmod{19580}$ except $n = 4005, 6765, 7921$
55	90	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 17425 \pmod{19800}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
55	91	$n \equiv 1, 1001, 1365, 1925, 3081, 3641, 4005, 5005, 6721,$ $7085, 7645, 10725, 14301, 17381, 17941, \text{ or } 18305 \pmod{20020}$ except $n = 1001, 1365, 1925, 3081, 3641,$ $4005, 5005, 6721, 7085, 7645$
55	92	$n \equiv 1, 1265, 4785, 8625, 9361, 12145, 12881, \text{ or } 16721 \pmod{20240}$ except $n = 1265, 4785, 8625, 9361$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	93	$n \equiv 1, 1365, 1705, 3565, 6325, 7161, 8185, 9021, 11781,$ $13641, 13981, 15345, 15841, 17205, 18601, \text{ or } 19965 \pmod{20460}$ except $n = 1365, 1705, 3565, 6325, 7161, 8185, 9021$
55	94	$n \equiv 1, 705, 1881, 2585, 4841, 6721, 16545, \text{ or } 18425 \pmod{20680}$ except $n = 705, 1881, 2585, 4841, 6721$
55	95	$n \equiv 1, 5225, 7525, 7601, 11001, 15125, 18525, \text{ or } 18601 \pmod{20900}$ except $n = 5225, 7525, 7601$
55	96	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281 \pmod{21120}$ except $n = 385, 3201, 4225, 7041, 7425$
55	97	$n \equiv 1, 485, 3201, 6985, 9021, 12805, 15521, \text{ or } 16005 \pmod{21340}$ except $n = 485, 3201, 6985, 9021$
55	98	$n \equiv 1, 441, 8625, 9065, 9801, 10241, 18425, \text{ or } 18865 \pmod{21560}$ except $n = 441, 8625, 9065, 9801, 10241$
55	99	$n \equiv 1, 2421, 3025, 5445, 7381, 9801, 17425, \text{ or } 19845 \pmod{21780}$ except $n = 2421, 3025, 5445, 7381, 9801$
55	100	$n \equiv 1, 8625, 12001, \text{ or } 20625 \pmod{22000}$ except $n = 8625$
55	101	$n \equiv 1, 4445, 6061, 6161, 10505, 10605, 12221, \text{ or } 16665 \pmod{22220}$ except $n = 4445, 6061, 6161, 10505, 10605$
55	102	$n \equiv 1, 561, 3961, 4081, 5985, 8041, 9945, 10065, 13465,$ $14025, 14961, 17425, 17545, 18921, 19041, \text{ or } 21505 \pmod{22440}$ except $n = 561, 3961, 4081, 5985, 8041, 9945, 10065$
55	103	$n \equiv 1, 825, 4841, 5665, 9065, 13905, 14421, \text{ or } 19261 \pmod{22660}$ except $n = 825, 4841, 5665, 9065$
55	104	$n \equiv 1, 2145, 4225, 6721, 8801, 16225, 18305, \text{ or } 20801 \pmod{22880}$ except $n = 2145, 4225, 6721, 8801$
55	105	$n \equiv 1, 925, 2101, 3025, 6601, 7525, 7701, 8625, 8701,$ $9625, 9801, 10725, 14301, 15225, 16401, \text{ or } 17325 \pmod{23100}$ except $n = 925, 2101, 3025, 6601, 7525, 7701,$ $8625, 8701, 9625, 9801, 10725$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	106	$n \equiv 1, 265, 4081, 4665, 8481, 8745, 13145, \text{ or } 18921 \pmod{23320}$ except $n = 265, 4081, 4665, 8481, 8745$
55	107	$n \equiv 1, 5885, 9845, 10165, 14125, 15301, 19261, \text{ or } 19581 \pmod{23540}$ except $n = 5885, 9845, 10165$
55	108	$n \equiv 1, 3025, 4401, 7425, 9505, 13905, 17281, \text{ or } 21681 \pmod{23760}$ except $n = 3025, 4401, 7425, 9505$
55	109	$n \equiv 1, 6105, 7085, 10901, 11881, 17985, 19185, \text{ or } 22781 \pmod{23980}$ except $n = 6105, 7085, 10901, 11881$
55	110	$n \equiv 1, 3025, 9801, \text{ or } 17425 \pmod{24200}$ except $n = 3025, 9801$
55	111	$n \equiv 1, 925, 1221, 4885, 5181, 6105, 9361, 10065, 12321,$ $13321, 14245, 16281, 17205, 18205, 20461, \text{ or } 21165 \pmod{24420}$ except $n = 925, 1221, 4885, 5181, 6105, 9361, 10065$
55	112	$n \equiv 1, 385, 3521, 6721, 10241, 14785, 18305, \text{ or } 21505 \pmod{24640}$ except $n = 385, 3521, 6721, 10241$
55	113	$n \equiv 1, 4181, 4521, 8701, 9945, 14125, 14465, \text{ or } 18645 \pmod{24860}$ except $n = 4181, 4521, 8701, 9945$
55	114	$n \equiv 1, 1881, 2641, 3345, 5985, 8361, 10945, 11001, 13585,$ $15961, 18601, 19305, 20065, 21945, 22705, \text{ or } 24321 \pmod{25080}$ except $n = 1881, 2641, 3345, 5985, 8361, 10945, 11001$
55	115	$n \equiv 1, 2025, 4301, 6325, 6601, 8625, 23001, \text{ or } 25025 \pmod{25300}$ except $n = 2025, 4301, 6325, 6601, 8625$
55	116	$n \equiv 1, 2321, 2465, 4785, 5105, 7425, 22881, \text{ or } 25201 \pmod{25520}$ except $n = 2321, 2465, 4785, 5105, 7425$
55	117	$n \equiv 1, 3861, 4005, 5005, 5941, 9361, 9945, 13365, 14301,$ $15301, 15445, 19305, 20241, 21385, 23661, \text{ or } 24805 \pmod{25740}$ except $n = 3861, 4005, 5005, 5941, 9361, 9945$
55	118	$n \equiv 1, 5665, 5841, 10385, 10561, 16225, 20945, \text{ or } 21241 \pmod{25960}$ except $n = 5665, 5841, 10385, 10561$

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Table 54: Superspectra for  $p = 55$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
55	119	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 7701, 11221, 11781,$ $13685, 13805, 18921, 19041, 20945, 21505, \text{ or } 25025 \pmod{26180}$ except $n = 561, 2465, 4081, 5985, 6545, 7701, 11221, 11781$
55	120	$n \equiv 1, 3201, 4225, 7425, 12001, 16225, 17601, \text{ or } 21825 \pmod{26400}$ except $n = 3201, 4225, 7425, 12001$
55	121	$n \equiv 1, 5325, 14641, \text{ or } 19965 \pmod{26620}$ except $n = 5325$
55	122	$n \equiv 1, 3905, 6161, 10065, 14641, 16105, 20801, \text{ or } 22265 \pmod{26840}$ except $n = 3905, 6161, 10065$
55	123	$n \equiv 1, 165, 6601, 6765, 7381, 9021, 10825, 13981, 15621,$ $16401, 17425, 18205, 19845, 23001, 24805, \text{ or } 26445 \pmod{27060}$ except $n = 165, 6601, 6765, 7381, 9021, 10825$
55	124	$n \equiv 1, 4961, 10385, 15345, 15841, 20801, 21825, \text{ or } 26785 \pmod{27280}$ except $n = 4961, 10385$
55	125	$n \equiv 1, 3125, 17501, \text{ or } 20625 \pmod{27500}$ except $n = 3125$
55	126	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$
55	127	$n \equiv 1, 2541, 4445, 6985, 15621, 16765, 18161, \text{ or } 19305 \pmod{27940}$ except $n = 2541, 4445, 6985$
55	128	$n \equiv 1, 10241, 11265, \text{ or } 21505 \pmod{28160}$ except $n = 10241, 11265$

Table 55: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 56$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
56	2	$n \equiv 1 \text{ or } 385 \pmod{448}$
56	3	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
56	4	$n \equiv 1 \text{ or } 385 \pmod{896}$ except $n = 385$

*continued on next page*



Table 55: Superspectra for  $p = 56$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
56	5	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
56	6	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
56	7	$n \equiv 1 \text{ or } 833 \pmod{1568}$
56	8	$n \equiv 1 \text{ or } 1281 \pmod{1792}$
56	9	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
56	10	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
56	11	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
56	12	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
56	13	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
56	14	$n \equiv 1 \text{ or } 833 \pmod{3136}$ except $n = 833$
56	15	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
56	16	$n \equiv 1 \text{ or } 3073 \pmod{3584}$
56	17	$n \equiv 1, 833, 2177, \text{ or } 2465 \pmod{3808}$ except $n = 833$
56	18	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
56	19	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{4256}$ except $n = 609, 1121, 1729$
56	20	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
56	21	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
56	22	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
56	23	$n \equiv 1, 161, 897, \text{ or } 4417 \pmod{5152}$ except $n = 161, 897$
56	24	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
56	25	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$
56	26	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
56	27	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
56	28	$n \equiv 1 \text{ or } 3969 \pmod{6272}$
56	29	$n \equiv 1, 609, 2465, \text{ or } 4641 \pmod{6496}$ except $n = 609, 2465$

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Table 55: Superspectra for  $p = 56$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
56	30	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
56	31	$n \equiv 1, 1953, 3969, \text{ or } 4929 \pmod{6944}$ except $n = 1953$
56	32	$n \equiv 1 \text{ or } 3073 \pmod{7168}$ except $n = 3073$
56	33	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
56	34	$n \equiv 1, 833, 2177, \text{ or } 6273 \pmod{7616}$ except $n = 833, 2177$
56	35	$n \equiv 1, 2401, 4705, \text{ or } 7105 \pmod{7840}$ except $n = 2401$
56	36	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
56	37	$n \equiv 1, 2849, 4033, \text{ or } 7105 \pmod{8288}$ except $n = 2849, 4033$
56	38	$n \equiv 1, 1729, 4865, \text{ or } 5377 \pmod{8512}$ except $n = 1729$
56	39	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
56	40	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
56	41	$n \equiv 1, 2625, 6273, \text{ or } 8897 \pmod{9184}$ except $n = 2625$
56	42	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
56	43	$n \equiv 1, 1505, 4257, \text{ or } 6881 \pmod{9632}$ except $n = 1505, 4257$
56	44	$n \equiv 1, 385, 1793, \text{ or } 8449 \pmod{9856}$ except $n = 385, 1793$
56	45	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
56	46	$n \equiv 1, 897, 4417, \text{ or } 5313 \pmod{10304}$ except $n = 897, 4417$
56	47	$n \equiv 1, 1505, 6721, \text{ or } 8225 \pmod{10528}$ except $n = 1505$
56	48	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$
56	49	$n \equiv 1 \text{ or } 2401 \pmod{10976}$ except $n = 2401$
56	50	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$
56	51	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$

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Table 55: Superspectra for  $p = 56$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
56	52	$n \equiv 1, 897, 6657, \text{ or } 7553 \pmod{11648}$ except $n = 897$
56	53	$n \equiv 1, 4929, 5089, \text{ or } 10017 \pmod{11872}$ except $n = 4929, 5089$
56	54	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
56	55	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
56	56	$n \equiv 1 \text{ or } 10241 \pmod{12544}$
56	57	$n \equiv 1, 609, 1729, 4257, 5377, 5985, 9121, \text{ or } 9633 \pmod{12768}$ except $n = 609, 1729, 4257, 5377, 5985$
56	58	$n \equiv 1, 7105, 8961, \text{ or } 11137 \pmod{12992}$
56	59	$n \equiv 1, 1121, 7553, \text{ or } 8673 \pmod{13216}$ except $n = 1121$
56	60	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
56	61	$n \equiv 1, 1281, 1953, \text{ or } 12993 \pmod{13664}$ except $n = 1281, 1953$
56	62	$n \equiv 1, 3969, 4929, \text{ or } 8897 \pmod{13888}$ except $n = 3969, 4929$
56	63	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
56	64	$n \equiv 1 \text{ or } 10241 \pmod{14336}$
56	65	$n \equiv 1, 3745, 4641, 5825, 6721, 10465, 12481, \text{ or } 12545 \pmod{14560}$ except $n = 3745, 4641, 5825, 6721$
56	66	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
56	67	$n \equiv 1, 6433, 7169, \text{ or } 13601 \pmod{15008}$ except $n = 6433, 7169$
56	68	$n \equiv 1, 2177, 6273, \text{ or } 8449 \pmod{15232}$ except $n = 2177, 6273$
56	69	$n \equiv 1, 897, 4417, 5313, 6049, 10305, 10465, \text{ or } 14721 \pmod{15456}$ except $n = 897, 4417, 5313, 6049$
56	70	$n \equiv 1, 7105, 10241, \text{ or } 12545 \pmod{15680}$ except $n = 7105$
56	71	$n \equiv 1, 8449, 11361, \text{ or } 12993 \pmod{15904}$
56	72	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$

*continued on next page*

Table 55: Superspectra for  $p = 56$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
56	73	$n \equiv 1, 6497, 9345, \text{ or } 15841 \pmod{16352}$ except $n = 6497$
56	74	$n \equiv 1, 4033, 7105, \text{ or } 11137 \pmod{16576}$ except $n = 4033, 7105$
56	75	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
56	76	$n \equiv 1, 4865, 5377, \text{ or } 10241 \pmod{17024}$ except $n = 4865, 5377$
56	77	$n \equiv 1, 10241, 13377, \text{ or } 14113 \pmod{17248}$
56	78	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
56	79	$n \equiv 1, 13825, 15169, \text{ or } 16353 \pmod{17696}$
56	80	$n \equiv 1, 3585, 10241, \text{ or } 13825 \pmod{17920}$ except $n = 3585$
56	81	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
56	82	$n \equiv 1, 2625, 6273, \text{ or } 8897 \pmod{18368}$ except $n = 2625, 6273, 8897$
56	83	$n \equiv 1, 2241, 5313, \text{ or } 7553 \pmod{18592}$ except $n = 2241, 5313, 7553$
56	84	$n \equiv 1, 3969, 6273, \text{ or } 16513 \pmod{18816}$ except $n = 3969, 6273$
56	85	$n \equiv 1, 2465, 4641, 5985, 10081, 11425, 13601, \text{ or } 16065 \pmod{19040}$ except $n = 2465, 4641, 5985$
56	86	$n \equiv 1, 11137, 13889, \text{ or } 16513 \pmod{19264}$
56	87	$n \equiv 1, 609, 4641, 7105, 8961, 11137, 12993, \text{ or } 15457 \pmod{19488}$ except $n = 609, 4641, 7105, 8961$
56	88	$n \equiv 1, 1793, 8449, \text{ or } 10241 \pmod{19712}$ except $n = 1793, 8449$
56	89	$n \equiv 1, 2849, 6497, \text{ or } 9345 \pmod{19936}$ except $n = 2849, 6497, 9345$
56	90	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
56	91	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{20384}$ except $n = 833$
56	92	$n \equiv 1, 897, 14721, \text{ or } 15617 \pmod{20608}$ except $n = 897$
56	93	$n \equiv 1, 1953, 3969, 4929, 6945, 15841, 17857, \text{ or } 18817 \pmod{20832}$ except $n = 1953, 3969, 4929, 6945$

*continued on next page*

Table 55: Superspectra for  $p = 56$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
56	94	$n \equiv 1, 6721, 12033, \text{ or } 18753 \pmod{21056}$ except $n = 6721$
56	95	$n \equiv 1, 1121, 4865, 5985, 9121, 10241, 17025, \text{ or } 18145 \pmod{21280}$ except $n = 1121, 4865, 5985, 9121, 10241$
56	96	$n \equiv 1, 3073, 14337, \text{ or } 17409 \pmod{21504}$ except $n = 3073$
56	97	$n \equiv 1, 6209, 9409, \text{ or } 15617 \pmod{21728}$ except $n = 6209, 9409$
56	98	$n \equiv 1 \text{ or } 13377 \pmod{21952}$
56	99	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
56	100	$n \equiv 1, 13825, 17025, \text{ or } 19201 \pmod{22400}$
56	101	$n \equiv 1, 7777, 12929, \text{ or } 17473 \pmod{22624}$ except $n = 7777$
56	102	$n \equiv 1, 6273, 7617, 8449, 9793, 16065, 17409, \text{ or } 21505 \pmod{22848}$ except $n = 6273, 7617, 8449, 9793$
56	103	$n \equiv 1, 3297, 8961, \text{ or } 12257 \pmod{23072}$ except $n = 3297, 8961$
56	104	$n \equiv 1, 6657, 12545, \text{ or } 19201 \pmod{23296}$ except $n = 6657$
56	105	$n \equiv 1, 2401, 4705, 7105, 15681, 18081, 20385, \text{ or } 22785 \pmod{23520}$ except $n = 2401, 4705, 7105$
56	106	$n \equiv 1, 4929, 16961, \text{ or } 21889 \pmod{23744}$ except $n = 4929$
56	107	$n \equiv 1, 3745, 7169, \text{ or } 20545 \pmod{23968}$ except $n = 3745, 7169$
56	108	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
56	109	$n \equiv 1, 4033, 10465, \text{ or } 14497 \pmod{24416}$ except $n = 4033, 10465$
56	110	$n \equiv 1, 385, 3521, 6721, 10241, 14785, 18305, \text{ or } 21505 \pmod{24640}$ except $n = 385, 3521, 6721, 10241$
56	111	$n \equiv 1, 4033, 7105, 8289, 11137, 12321, 15393, \text{ or } 19425 \pmod{24864}$ except $n = 4033, 7105, 8289, 11137, 12321$
56	112	$n \equiv 1 \text{ or } 10241 \pmod{25088}$ except $n = 10241$
56	113	$n \equiv 1, 5537, 12769, \text{ or } 18081 \pmod{25312}$ except $n = 5537$

*continued on next page*

Table 55: Superspectra for  $p = 56$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
56	114	$n \equiv 1, 1729, 5377, 13377, 17025, 18753, 21889, \text{ or } 22401 \pmod{25536}$ except $n = 1729, 5377$
56	115	$n \equiv 1, 161, 10305, 10465, 11201, 14721, 21505, \text{ or } 25025 \pmod{25760}$ except $n = 161, 10305, 10465, 11201$
56	116	$n \equiv 1, 8961, 11137, \text{ or } 20097 \pmod{25984}$ except $n = 8961, 11137$
56	117	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
56	118	$n \equiv 1, 7553, 14337, \text{ or } 21889 \pmod{26432}$ except $n = 7553$
56	119	$n \equiv 1, 833, 6273, \text{ or } 21217 \pmod{26656}$ except $n = 833, 6273$
56	120	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
56	121	$n \equiv 1, 12705, 16577, \text{ or } 23233 \pmod{27104}$ except $n = 12705$
56	122	$n \equiv 1, 1281, 12993, \text{ or } 15617 \pmod{27328}$ except $n = 1281, 12993$
56	123	$n \equiv 1, 2625, 6273, 11809, 15457, 18081, 18369, \text{ or } 27265 \pmod{27552}$ except $n = 2625, 6273, 11809$
56	124	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{27776}$ except $n = 3969$
56	125	$n \equiv 1, 2625, 8001, \text{ or } 22625 \pmod{28000}$ except $n = 2625, 8001$
56	126	$n \equiv 1, 3969, 6273, \text{ or } 25921 \pmod{28224}$ except $n = 3969, 6273$
56	127	$n \equiv 1, 8001, 16129, \text{ or } 20321 \pmod{28448}$ except $n = 8001$
56	128	$n \equiv 1 \text{ or } 24577 \pmod{28672}$

Table 56: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 57$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	2	$n \equiv 1, 57, 153, \text{ or } 361 \pmod{456}$ except $n = 57, 153$
57	3	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{684}$ except $n = 153$

*continued on next page*

Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	4	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
57	5	$n \equiv 1, 285, 361, 381, 685, 741, 1045, \text{ or } 1065 \pmod{1140}$ except $n = 285, 361, 381$
57	6	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{1368}$ except $n = 153, 361, 513$
57	7	$n \equiv 1, 57, 133, 589, 609, 1065, 1141, \text{ or } 1197 \pmod{1596}$ except $n = 57, 133, 589, 609$
57	8	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
57	9	$n \equiv 1, 513, 837, \text{ or } 1729 \pmod{2052}$ except $n = 513, 837$
57	10	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
57	11	$n \equiv 1, 133, 837, 913, 969, 1045, 1749, \text{ or } 1881 \pmod{2508}$ except $n = 133, 837, 913, 969, 1045$
57	12	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
57	13	$n \equiv 1, 741, 1197, 1521, 1729, 1977, 2185, \text{ or } 2509 \pmod{2964}$ except $n = 741, 1197$
57	14	$n \equiv 1, 57, 609, 1065, 1729, 2185, 2737, \text{ or } 2793 \pmod{3192}$ except $n = 57, 609, 1065$
57	15	$n \equiv 1, 361, 685, 1045, 1521, 1881, 2205, \text{ or } 2565 \pmod{3420}$ except $n = 361, 685, 1045, 1521$
57	16	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
57	17	$n \equiv 1, 153, 817, 969, 1293, 2109, 2737, \text{ or } 3553 \pmod{3876}$ except $n = 153, 817, 969, 1293$
57	18	$n \equiv 1, 513, 1729, \text{ or } 2889 \pmod{4104}$ except $n = 513, 1729$
57	19	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{4332}$ except $n = 361$
57	20	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
57	21	$n \equiv 1, 1197, 1729, 2205, 2737, 3249, 3781, \text{ or } 4257 \pmod{4788}$ except $n = 1197, 1729, 2205$

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Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	22	$n \equiv 1, 913, 969, 1881, 2641, 3345, 3553, \text{ or } 4257 \pmod{5016}$ except $n = 913, 969, 1881$
57	23	$n \equiv 1, 1197, 1749, 2185, 2737, 3933, 4485, \text{ or } 4693 \pmod{5244}$ except $n = 1197, 1749, 2185$
57	24	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
57	25	$n \equiv 1, 1425, 1501, 1825, 3325, 3801, 5301, \text{ or } 5625 \pmod{5700}$ except $n = 1425, 1501, 1825$
57	26	$n \equiv 1, 1521, 1729, 1977, 2185, 3705, 4161, \text{ or } 5473 \pmod{5928}$ except $n = 1521, 1729, 1977, 2185$
57	27	$n \equiv 1, 4617, 4941, \text{ or } 5833 \pmod{6156}$
57	28	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
57	29	$n \equiv 1, 609, 1045, 1653, 2205, 3249, 5017, \text{ or } 6061 \pmod{6612}$ except $n = 609, 1045, 1653, 2205, 3249$
57	30	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
57	31	$n \equiv 1, 589, 837, 2109, 3193, 4465, 4713, \text{ or } 5301 \pmod{7068}$ except $n = 589, 837, 2109, 3193$
57	32	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
57	33	$n \equiv 1, 837, 1045, 1881, 3421, 4257, 5149, \text{ or } 5985 \pmod{7524}$ except $n = 837, 1045, 1881, 3421$
57	34	$n \equiv 1, 153, 817, 969, 2737, 3553, 5169, \text{ or } 5985 \pmod{7752}$ except $n = 153, 817, 969, 2737, 3553$
57	35	$n \equiv 1, 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801,$ $4845, 4921, 5985, 6385, 6441, 7525, \text{ or } 7581 \pmod{7980}$ except $n = 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801$
57	36	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
57	37	$n \equiv 1, 741, 1369, 2109, 3553, 4921, 5625, \text{ or } 6993 \pmod{8436}$ except $n = 741, 1369, 2109, 3553$

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Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	38	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{8664}$ except $n = 361, 2889, 3249$
57	39	$n \equiv 1, 1197, 1521, 1729, 4941, 5149, 5473, \text{ or } 6669 \pmod{8892}$ except $n = 1197, 1521, 1729$
57	40	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
57	41	$n \equiv 1, 2337, 3117, 3649, 4921, 6765, 8037, \text{ or } 8569 \pmod{9348}$ except $n = 2337, 3117, 3649$
57	42	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 8569 \pmod{9576}$ except $n = 1729, 2737, 3249, 4257$
57	43	$n \equiv 1, 817, 3097, 4257, 6537, 7353, 7525, \text{ or } 9633 \pmod{9804}$ except $n = 817, 3097, 4257$
57	44	$n \equiv 1, 913, 2641, 3345, 3553, 4257, 5985, \text{ or } 6897 \pmod{10032}$ except $n = 913, 2641, 3345, 3553, 4257$
57	45	$n \equiv 1, 2565, 3781, 4105, 4941, 7885, 8721, \text{ or } 9045 \pmod{10260}$ except $n = 2565, 3781, 4105, 4941$
57	46	$n \equiv 1, 2185, 2737, 6441, 6993, 9177, 9729, \text{ or } 9937 \pmod{10488}$ except $n = 2185, 2737$
57	47	$n \equiv 1, 1881, 3573, 4465, 6157, 8037, 9025, \text{ or } 9729 \pmod{10716}$ except $n = 1881, 3573, 4465$
57	48	$n \equiv 1, 513, 1729, \text{ or } 9729 \pmod{10944}$ except $n = 513, 1729$
57	49	$n \equiv 1, 589, 2205, 2793, 5929, 6517, 7449, \text{ or } 8037 \pmod{11172}$ except $n = 589, 2205, 2793$
57	50	$n \equiv 1, 1425, 1825, 3801, 5625, 7201, 9025, \text{ or } 11001 \pmod{11400}$ except $n = 1425, 1825, 3801, 5625$
57	51	$n \equiv 1, 153, 2737, 5985, 8569, 8721, 9045, \text{ or } 11305 \pmod{11628}$ except $n = 153, 2737$
57	52	$n \equiv 1, 1521, 1729, 4161, 5473, 7905, 8113, \text{ or } 9633 \pmod{11856}$ except $n = 1521, 1729, 4161, 5473$

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Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	53	$n \equiv 1, 1273, 1749, 3021, 4029, 5301, 9805, \text{ or } 11077 \pmod{12084}$ except $n = 1273, 1749, 3021, 4029, 5301$
57	54	$n \equiv 1, 4617, 5833, \text{ or } 11097 \pmod{12312}$ except $n = 4617, 5833$
57	55	$n \equiv 1, 1045, 1881, 2641, 3345, 3421, 5985, 6061, 6765,$ $7525, 8361, 9405, 10165, 10945, 11001, \text{ or } 11781 \pmod{12540}$ except $n = 1045, 1881, 2641, 3345, 3421, 5985, 6061$
57	56	$n \equiv 1, 609, 1729, 4257, 5377, 5985, 9121, \text{ or } 9633 \pmod{12768}$ except $n = 609, 1729, 4257, 5377, 5985$
57	57	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{12996}$ except $n = 361, 2889, 3249$
57	58	$n \equiv 1, 609, 3249, 5017, 7657, 8265, 8817, \text{ or } 12673 \pmod{13224}$ except $n = 609, 3249, 5017$
57	59	$n \equiv 1, 1653, 4485, 5605, 8437, 10089, 10621, \text{ or } 12921 \pmod{13452}$ except $n = 1653, 4485, 5605$
57	60	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
57	61	$n \equiv 1, 3477, 4941, 7809, 8113, 9273, 9577, \text{ or } 12445 \pmod{13908}$ except $n = 3477, 4941$
57	62	$n \equiv 1, 3193, 4465, 4713, 7657, 7905, 9177, \text{ or } 12369 \pmod{14136}$ except $n = 3193, 4465, 4713$
57	63	$n \equiv 1, 1729, 3781, 6993, 9045, 10773, 12313, \text{ or } 12825 \pmod{14364}$ except $n = 1729, 3781, 6993$
57	64	$n \equiv 1, 513, 5377, \text{ or } 9729 \pmod{14592}$ except $n = 513, 5377$
57	65	$n \equiv 1, 741, 1521, 2185, 2965, 3705, 4161, 4485, 4941,$ $7125, 7905, 10621, 11401, 13585, 14041, \text{ or } 14365 \pmod{14820}$ except $n = 741, 1521, 2185, 2965, 3705,$ $4161, 4485, 4941, 7125$
57	66	$n \equiv 1, 1881, 4257, 5985, 8361, 8569, 10945, \text{ or } 12673 \pmod{15048}$ except $n = 1881, 4257, 5985$

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Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	67	$n \equiv 1, 1273, 2413, 9045, 10185, 11457, 12597, \text{ or } 14137 \pmod{15276}$ except $n = 1273, 2413$
57	68	$n \equiv 1, 817, 2737, 3553, 5169, 5985, 7905, \text{ or } 8721 \pmod{15504}$ except $n = 817, 2737, 3553, 5169, 5985$
57	69	$n \equiv 1, 1197, 2737, 3933, 6993, 9729, 9937, \text{ or } 12673 \pmod{15732}$ except $n = 1197, 2737, 3933, 6993$
57	70	$n \equiv 1, 1065, 2185, 3801, 4921, 5985, 6385, 6441, 9121,$ $10185, 10641, 11305, 11761, 12825, 15505, \text{ or } 15561 \pmod{15960}$ except $n = 1065, 2185, 3801, 4921, 5985, 6385, 6441$
57	71	$n \equiv 1, 285, 1065, 5397, 6745, 11077, 11857, \text{ or } 12141 \pmod{16188}$ except $n = 285, 1065, 5397, 6745$
57	72	$n \equiv 1, 513, 1729, \text{ or } 15201 \pmod{16416}$ except $n = 513, 1729$
57	73	$n \equiv 1, 1825, 2337, 4161, 7885, 9709, 11097, \text{ or } 12921 \pmod{16644}$ except $n = 1825, 2337, 4161, 7885$
57	74	$n \equiv 1, 1369, 3553, 4921, 5625, 6993, 9177, \text{ or } 10545 \pmod{16872}$ except $n = 1369, 3553, 4921, 5625, 6993$
57	75	$n \equiv 1, 5301, 5625, 7201, 7525, 12825, 14725, \text{ or } 15201 \pmod{17100}$ except $n = 5301, 5625, 7201, 7525$
57	76	$n \equiv 1, 3249, 9025, \text{ or } 11553 \pmod{17328}$ except $n = 3249$
57	77	$n \equiv 1, 133, 4257, 4389, 5853, 5929, 5985, 7525, 8569,$ $10165, 11781, 13377, 14421, 15961, 16017, \text{ or } 16093 \pmod{17556}$ except $n = 133, 4257, 4389, 5853, 5929, 5985, 7525, 8569$
57	78	$n \equiv 1, 1521, 1729, 5473, 10089, 13833, 14041, \text{ or } 15561 \pmod{17784}$ except $n = 1521, 1729, 5473$
57	79	$n \equiv 1, 1501, 3477, 4029, 9481, 10033, 12009, \text{ or } 13509 \pmod{18012}$ except $n = 1501, 3477, 4029$
57	80	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
57	81	$n \equiv 1, 4617, 5833, \text{ or } 17253 \pmod{18468}$ except $n = 4617, 5833$

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Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	82	$n \equiv 1, 2337, 3649, 4921, 8569, 12465, 16113, \text{ or } 17385 \pmod{18696}$ except $n = 2337, 3649, 4921, 8569$
57	83	$n \equiv 1, 913, 6309, 6973, 7221, 7885, 13281, \text{ or } 14193 \pmod{18924}$ except $n = 913, 6309, 6973, 7221, 7885$
57	84	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 18145 \pmod{19152}$ except $n = 1729, 2737, 3249, 4257, 5985, 6993$
57	85	$n \equiv 1, 4845, 5985, 7905, 8721, 9045, 9861, 11305, 11781,$ $12445, 12921, 14365, 15181, 15505, 16321, \text{ or } 18241 \pmod{19380}$ except $n = 4845, 5985, 7905, 8721, 9045$
57	86	$n \equiv 1, 817, 3097, 4257, 6537, 7353, 9633, \text{ or } 17329 \pmod{19608}$ except $n = 817, 3097, 4257, 6537, 7353, 9633$
57	87	$n \equiv 1, 1045, 2205, 3249, 11629, 12673, 13833, \text{ or } 14877 \pmod{19836}$ except $n = 1045, 2205, 3249$
57	88	$n \equiv 1, 3553, 4257, 5985, 10945, 12673, 13377, \text{ or } 16929 \pmod{20064}$ except $n = 3553, 4257, 5985$
57	89	$n \equiv 1, 1425, 3649, 5073, 6765, 10413, 14953, \text{ or } 18601 \pmod{20292}$ except $n = 1425, 3649, 5073, 6765$
57	90	$n \equiv 1, 4105, 8721, 12825, 14041, 15201, 18145, \text{ or } 19305 \pmod{20520}$ except $n = 4105, 8721$
57	91	$n \equiv 1, 1197, 1729, 2185, 5929, 7449, 8113, 9633, 13377,$ $13833, 14365, 15561, 16017, 16549, 19761, \text{ or } 20293 \pmod{20748}$ except $n = 1197, 1729, 2185, 5929, 7449, 8113, 9633$
57	92	$n \equiv 1, 2737, 6993, 9729, 9937, 12673, 16929, \text{ or } 19665 \pmod{20976}$ except $n = 2737, 6993, 9729, 9937$
57	93	$n \equiv 1, 837, 4465, 5301, 10261, 11781, 14725, \text{ or } 16245 \pmod{21204}$ except $n = 837, 4465, 5301, 10261$
57	94	$n \equiv 1, 1881, 4465, 9025, 9729, 14289, 16873, \text{ or } 18753 \pmod{21432}$ except $n = 1881, 4465, 9025, 9729$
57	95	$n \equiv 1, 361, 7221, 7581, 8665, 9025, 15885, \text{ or } 16245 \pmod{21660}$ except $n = 361, 7221, 7581, 8665, 9025$

*continued on next page*

Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	96	$n \equiv 1, 513, 9729, \text{ or } 12673 \pmod{21888}$ except $n = 513, 9729$
57	97	$n \equiv 1, 5529, 10089, 10185, 12901, 14745, 17461, \text{ or } 17557 \pmod{22116}$ except $n = 5529, 10089, 10185$
57	98	$n \equiv 1, 2793, 5929, 7449, 11761, 13377, 17689, \text{ or } 19209 \pmod{22344}$ except $n = 2793, 5929, 7449$
57	99	$n \equiv 1, 837, 16093, 16929, 18469, 19305, 20197, \text{ or } 21033 \pmod{22572}$ except $n = 837$
57	100	$n \equiv 1, 1425, 1825, 7201, 9025, 15201, 17025, \text{ or } 22401 \pmod{22800}$ except $n = 1425, 1825, 7201, 9025$
57	101	$n \equiv 1, 5757, 6061, 7677, 13737, 15049, 21109, \text{ or } 22725 \pmod{23028}$ except $n = 5757, 6061, 7677$
57	102	$n \equiv 1, 153, 2737, 5985, 8569, 8721, 11305, \text{ or } 20673 \pmod{23256}$ except $n = 153, 2737, 5985, 8569, 8721, 11305$
57	103	$n \equiv 1, 1957, 3193, 14421, 15657, 17613, 18849, \text{ or } 22249 \pmod{23484}$ except $n = 1957, 3193$
57	104	$n \equiv 1, 1729, 4161, 5473, 7905, 9633, 13377, \text{ or } 19969 \pmod{23712}$ except $n = 1729, 4161, 5473, 7905, 9633$
57	105	$n \equiv 1, 2205, 3781, 5985, 7525, 9045, 11305, 11781, 12825,$ $14365, 15561, 17101, 18145, 18621, 20881, \text{ or } 22401 \pmod{23940}$ except $n = 2205, 3781, 5985, 7525, 9045, 11305, 11781$
57	106	$n \equiv 1, 1273, 13833, 15105, 16113, 17385, 21889, \text{ or } 23161 \pmod{24168}$ except $n = 1273$
57	107	$n \equiv 1, 2889, 8133, 10165, 15409, 18297, 19153, \text{ or } 23541 \pmod{24396}$ except $n = 2889, 8133, 10165$
57	108	$n \equiv 1, 16929, 18145, \text{ or } 23409 \pmod{24624}$
57	109	$n \equiv 1, 6213, 8721, 14061, 14497, 16569, 17005, \text{ or } 22345 \pmod{24852}$ except $n = 6213, 8721$

*continued on next page*

Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	110	$n \equiv 1, 1881, 2641, 3345, 5985, 8361, 10945, 11001, 13585,$ $15961, 18601, 19305, 20065, 21945, 22705, \text{ or } 24321 \pmod{25080}$ except $n = 1881, 2641, 3345, 5985, 8361, 10945, 11001$
57	111	$n \equiv 1, 1369, 5625, 6993, 11989, 13357, 17613, \text{ or } 18981 \pmod{25308}$ except $n = 1369, 5625, 6993, 11989$
57	112	$n \equiv 1, 1729, 5377, 13377, 17025, 18753, 21889, \text{ or } 22401 \pmod{25536}$ except $n = 1729, 5377$
57	113	$n \equiv 1, 6441, 8589, 10849, 12769, 19437, 21357, \text{ or } 23617 \pmod{25764}$ except $n = 6441, 8589, 10849, 12769$
57	114	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{25992}$ except $n = 361, 2889, 3249$
57	115	$n \equiv 1, 2185, 4485, 5245, 6441, 7981, 11685, 13225, 14421,$ $15181, 17481, 19665, 20425, 22725, 23161, \text{ or } 25461 \pmod{26220}$ except $n = 2185, 4485, 5245, 6441, 7981, 11685$
57	116	$n \equiv 1, 609, 3249, 8817, 12673, 18241, 20881, \text{ or } 21489 \pmod{26448}$ except $n = 609, 3249, 8817, 12673$
57	117	$n \equiv 1, 1729, 4941, 6669, 14041, 14365, 18981, \text{ or } 19305 \pmod{26676}$ except $n = 1729, 4941, 6669$
57	118	$n \equiv 1, 10089, 12921, 15105, 17937, 19057, 21889, \text{ or } 24073 \pmod{26904}$ except $n = 10089, 12921$
57	119	$n \equiv 1, 2737, 4845, 5985, 8569, 9045, 11305, 11781, 14365,$ $15505, 17613, 20349, 22933, 23409, 24073, \text{ or } 24549 \pmod{27132}$ except $n = 2737, 4845, 5985, 8569, 9045, 11305, 11781$
57	120	$n \equiv 1, 5985, 7201, 10945, 15201, 18145, 22401, \text{ or } 26145 \pmod{27360}$ except $n = 5985, 7201, 10945$
57	121	$n \equiv 1, 969, 5929, 6897, 10165, 16093, 18393, \text{ or } 24321 \pmod{27588}$ except $n = 969, 5929, 6897, 10165$
57	122	$n \equiv 1, 7809, 8113, 9273, 9577, 17385, 18849, \text{ or } 26353 \pmod{27816}$ except $n = 7809, 8113, 9273, 9577$
57	123	$n \equiv 1, 8037, 8569, 12465, 12997, 21033, 23617, \text{ or } 25461 \pmod{28044}$ except $n = 8037, 8569, 12465, 12997$

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Table 56: Superspectra for  $p = 57$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
57	124	$n \equiv 1, 4465, 7905, 12369, 17329, 18849, 21793, \text{ or } 23313 \pmod{28272}$ except $n = 4465, 7905, 12369$
57	125	$n \equiv 1, 1501, 5625, 7125, 9501, 11001, 24625, \text{ or } 26125 \pmod{28500}$ except $n = 1501, 5625, 7125, 9501, 11001$
57	126	$n \equiv 1, 1729, 6993, 12313, 12825, 18145, 23409, \text{ or } 25137 \pmod{28728}$ except $n = 1729, 6993, 12313, 12825$
57	127	$n \equiv 1, 381, 2413, 10033, 11685, 19305, 21337, \text{ or } 21717 \pmod{28956}$ except $n = 381, 2413, 10033, 11685$
57	128	$n \equiv 1, 513, 9729, \text{ or } 19969 \pmod{29184}$ except $n = 513, 9729$

Table 57: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 58$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
58	2	$n \equiv 1 \text{ or } 145 \pmod{464}$ except $n = 145$
58	3	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{696}$ except $n = 145$
58	4	$n \equiv 1 \text{ or } 609 \pmod{928}$
58	5	$n \equiv 1, 145, 465, \text{ or } 841 \pmod{1160}$ except $n = 145, 465$
58	6	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{1392}$ except $n = 145, 465, 609$
58	7	$n \equiv 1, 609, 841, \text{ or } 1393 \pmod{1624}$ except $n = 609$
58	8	$n \equiv 1 \text{ or } 1537 \pmod{1856}$
58	9	$n \equiv 1, 145, 1161, \text{ or } 1305 \pmod{2088}$ except $n = 145$
58	10	$n \equiv 1, 145, 465, \text{ or } 2001 \pmod{2320}$ except $n = 145, 465$
58	11	$n \equiv 1, 2233, 2321, \text{ or } 2465 \pmod{2552}$
58	12	$n \equiv 1, 609, 1537, \text{ or } 1857 \pmod{2784}$ except $n = 609$
58	13	$n \equiv 1, 377, 1625, \text{ or } 1769 \pmod{3016}$ except $n = 377$

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Table 57: Superspectra for  $p = 58$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
58	14	$n \equiv 1, 609, 1393, \text{ or } 2465 \pmod{3248}$ except $n = 609, 1393$
58	15	$n \equiv 1, 145, 465, 841, 1161, 1305, 2001, \text{ or } 2785 \pmod{3480}$ except $n = 145, 465, 841, 1161, 1305$
58	16	$n \equiv 1 \text{ or } 1537 \pmod{3712}$ except $n = 1537$
58	17	$n \equiv 1, 697, 1769, \text{ or } 2465 \pmod{3944}$ except $n = 697, 1769$
58	18	$n \equiv 1, 145, 3249, \text{ or } 3393 \pmod{4176}$ except $n = 145$
58	19	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{4408}$ except $n = 609$
58	20	$n \equiv 1, 2465, 2785, \text{ or } 4321 \pmod{4640}$
58	21	$n \equiv 1, 609, 841, 1393, 2233, 3249, 4089, \text{ or } 4641 \pmod{4872}$ except $n = 609, 841, 1393, 2233$
58	22	$n \equiv 1, 2321, 2465, \text{ or } 4785 \pmod{5104}$ except $n = 2321, 2465$
58	23	$n \equiv 1, 2001, 2553, \text{ or } 4785 \pmod{5336}$ except $n = 2001, 2553$
58	24	$n \equiv 1, 1537, 1857, \text{ or } 3393 \pmod{5568}$ except $n = 1537, 1857$
58	25	$n \equiv 1, 1625, 2001, \text{ or } 3625 \pmod{5800}$ except $n = 1625, 2001$
58	26	$n \equiv 1, 3393, 4641, \text{ or } 4785 \pmod{6032}$
58	27	$n \equiv 1, 1161, 4321, \text{ or } 5481 \pmod{6264}$ except $n = 1161$
58	28	$n \equiv 1, 609, 2465, \text{ or } 4641 \pmod{6496}$ except $n = 609, 2465$
58	29	$n \equiv 1 \text{ or } 841 \pmod{6728}$ except $n = 841$
58	30	$n \equiv 1, 145, 465, 2001, 2785, 4321, 4641, \text{ or } 4785 \pmod{6960}$ except $n = 145, 465, 2001, 2785$
58	31	$n \equiv 1, 465, 2233, \text{ or } 2697 \pmod{7192}$ except $n = 465, 2233, 2697$
58	32	$n \equiv 1 \text{ or } 1537 \pmod{7424}$ except $n = 1537$
58	33	$n \equiv 1, 2233, 2553, 4785, 4873, 5017, 7425, \text{ or } 7569 \pmod{7656}$ except $n = 2233, 2553$
58	34	$n \equiv 1, 2465, 4641, \text{ or } 5713 \pmod{7888}$ except $n = 2465$
58	35	$n \equiv 1, 841, 1625, 2465, 4641, 5481, 6265, \text{ or } 7105 \pmod{8120}$ except $n = 841, 1625, 2465$

*continued on next page*



Table 57: Superspectra for  $p = 58$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
58	36	$n \equiv 1, 3393, 4321, \text{ or } 7425 \pmod{8352}$ except $n = 3393$
58	37	$n \equiv 1, 1073, 2553, \text{ or } 7105 \pmod{8584}$ except $n = 1073, 2553$
58	38	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{8816}$ except $n = 609, 3249, 3857$
58	39	$n \equiv 1, 3393, 4641, 4785, 6033, 6409, 7657, \text{ or } 7801 \pmod{9048}$ except $n = 3393$
58	40	$n \equiv 1, 7105, 7425, \text{ or } 8961 \pmod{9280}$
58	41	$n \equiv 1, 697, 5249, \text{ or } 5945 \pmod{9512}$ except $n = 697$
58	42	$n \equiv 1, 609, 1393, 3249, 4641, 5713, 7105, \text{ or } 8961 \pmod{9744}$ except $n = 609, 1393, 3249, 4641$
58	43	$n \equiv 1, 1161, 7569, \text{ or } 8729 \pmod{9976}$ except $n = 1161$
58	44	$n \equiv 1, 2465, 7425, \text{ or } 9889 \pmod{10208}$ except $n = 2465$
58	45	$n \equiv 1, 145, 1161, 1305, 4321, 5481, 6265, \text{ or } 7425 \pmod{10440}$ except $n = 145, 1161, 1305, 4321$
58	46	$n \equiv 1, 2001, 4785, \text{ or } 7889 \pmod{10672}$ except $n = 2001, 4785$
58	47	$n \equiv 1, 377, 3713, \text{ or } 4089 \pmod{10904}$ except $n = 377, 3713, 4089$
58	48	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{11136}$ except $n = 1537$
58	49	$n \equiv 1, 7105, 7889, \text{ or } 10585 \pmod{11368}$
58	50	$n \equiv 1, 2001, 7425, \text{ or } 9425 \pmod{11600}$ except $n = 2001$
58	51	$n \equiv 1, 697, 3945, 4641, 5713, 6409, 9657, \text{ or } 10353 \pmod{11832}$ except $n = 697, 3945, 4641, 5713$
58	52	$n \equiv 1, 3393, 4641, \text{ or } 10817 \pmod{12064}$ except $n = 3393, 4641$
58	53	$n \equiv 1, 1537, 3393, \text{ or } 10441 \pmod{12296}$ except $n = 1537, 3393$
58	54	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{12528}$ except $n = 4321$
58	55	$n \equiv 1, 2321, 2465, 4785, 5105, 7425, 10121, \text{ or } 12441 \pmod{12760}$ except $n = 2321, 2465, 4785, 5105$
58	56	$n \equiv 1, 7105, 8961, \text{ or } 11137 \pmod{12992}$

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Table 57: Superspectra for  $p = 58$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
58	57	$n \equiv 1, 609, 3249, 5017, 7657, 8265, 8817, \text{ or } 12673 \pmod{13224}$ except $n = 609, 3249, 5017$
58	58	$n \equiv 1 \text{ or } 7569 \pmod{13456}$
58	59	$n \equiv 1, 3481, 8497, \text{ or } 11977 \pmod{13688}$ except $n = 3481$
58	60	$n \equiv 1, 2785, 4321, 4641, 7105, 7425, 8961, \text{ or } 11745 \pmod{13920}$ except $n = 2785, 4321, 4641$
58	61	$n \equiv 1, 1769, 2929, \text{ or } 12993 \pmod{14152}$ except $n = 1769, 2929$
58	62	$n \equiv 1, 465, 9425, \text{ or } 9889 \pmod{14384}$ except $n = 465$
58	63	$n \equiv 1, 2233, 3249, 5481, 6265, 9513, 10585, \text{ or } 13833 \pmod{14616}$ except $n = 2233, 3249, 5481, 6265$
58	64	$n \equiv 1 \text{ or } 1537 \pmod{14848}$ except $n = 1537$
58	65	$n \equiv 1, 1625, 4641, 4785, 7801, 9425, 12065, \text{ or } 12441 \pmod{15080}$ except $n = 1625, 4641, 4785$
58	66	$n \equiv 1, 4785, 7425, 7569, 9889, 10209, 12529, \text{ or } 12673 \pmod{15312}$ except $n = 4785, 7425, 7569$
58	67	$n \equiv 1, 1073, 12529, \text{ or } 13601 \pmod{15544}$ except $n = 1073$
58	68	$n \equiv 1, 2465, 4641, \text{ or } 13601 \pmod{15776}$ except $n = 2465, 4641$
58	69	$n \equiv 1, 2001, 2553, 4785, 5337, 12673, 13225, \text{ or } 15457 \pmod{16008}$ except $n = 2001, 2553, 4785, 5337$
58	70	$n \equiv 1, 2465, 4641, 7105, 8961, 9745, 13601, \text{ or } 14385 \pmod{16240}$ except $n = 2465, 4641, 7105$
58	71	$n \equiv 1, 6177, 9657, \text{ or } 12993 \pmod{16472}$ except $n = 6177$
58	72	$n \equiv 1, 3393, 7425, \text{ or } 12673 \pmod{16704}$ except $n = 3393, 7425$
58	73	$n \equiv 1, 4089, 6497, \text{ or } 10585 \pmod{16936}$ except $n = 4089, 6497$
58	74	$n \equiv 1, 1073, 7105, \text{ or } 11137 \pmod{17168}$ except $n = 1073, 7105$
58	75	$n \equiv 1, 2001, 3625, 7425, 7801, 11601, 13225, \text{ or } 15225 \pmod{17400}$ except $n = 2001, 3625, 7425, 7801$
58	76	$n \equiv 1, 609, 12065, \text{ or } 12673 \pmod{17632}$ except $n = 609$

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Table 57: Superspectra for  $p = 58$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
58	77	$n \equiv 1, 2233, 2465, 4873, 7337, 12761, 15225, \text{ or } 17633 \pmod{17864}$ except $n = 2233, 2465, 4873, 7337$
58	78	$n \equiv 1, 3393, 4641, 4785, 6033, 15457, 16705, \text{ or } 16849 \pmod{18096}$ except $n = 3393, 4641, 4785, 6033$
58	79	$n \equiv 1, 3161, 3713, \text{ or } 6873 \pmod{18328}$ except $n = 3161, 3713, 6873$
58	80	$n \equiv 1, 7425, 8961, \text{ or } 16385 \pmod{18560}$ except $n = 7425, 8961$
58	81	$n \equiv 1, 11745, 13689, \text{ or } 16849 \pmod{18792}$
58	82	$n \equiv 1, 5249, 10209, \text{ or } 15457 \pmod{19024}$ except $n = 5249$
58	83	$n \equiv 1, 6641, 10209, \text{ or } 16849 \pmod{19256}$ except $n = 6641$
58	84	$n \equiv 1, 609, 4641, 7105, 8961, 11137, 12993, \text{ or } 15457 \pmod{19488}$ except $n = 609, 4641, 7105, 8961$
58	85	$n \equiv 1, 2465, 3945, 4641, 8585, 13601, 17545, \text{ or } 18241 \pmod{19720}$ except $n = 2465, 3945, 4641, 8585$
58	86	$n \equiv 1, 7569, 11137, \text{ or } 18705 \pmod{19952}$ except $n = 7569$
58	87	$n \equiv 1, 841, 6729, \text{ or } 7569 \pmod{20184}$ except $n = 841, 6729, 7569$
58	88	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{20416}$ except $n = 7425$
58	89	$n \equiv 1, 6409, 6497, \text{ or } 12905 \pmod{20648}$ except $n = 6409, 6497$
58	90	$n \equiv 1, 145, 4321, 7425, 11601, 11745, 15921, \text{ or } 16705 \pmod{20880}$ except $n = 145, 4321, 7425$
58	91	$n \equiv 1, 1625, 3017, 4641, 13833, 15457, 16849, \text{ or } 18473 \pmod{21112}$ except $n = 1625, 3017, 4641$
58	92	$n \equiv 1, 12673, 15457, \text{ or } 18561 \pmod{21344}$
58	93	$n \equiv 1, 465, 2233, 2697, 7657, 9889, 14385, \text{ or } 16617 \pmod{21576}$ except $n = 465, 2233, 2697, 7657, 9889$
58	94	$n \equiv 1, 3713, 11281, \text{ or } 14993 \pmod{21808}$ except $n = 3713$
58	95	$n \equiv 1, 8265, 9425, 12065, 13225, 17081, 18241, \text{ or } 20881 \pmod{22040}$ except $n = 8265, 9425$
58	96	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{22272}$ except $n = 1537, 7425, 8961$

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Table 57: Superspectra for  $p = 58$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
58	97	$n \equiv 1, 14065, 17169, \text{ or } 19401 \pmod{22504}$
58	98	$n \equiv 1, 7105, 7889, \text{ or } 21953 \pmod{22736}$ except $n = 7105, 7889$
58	99	$n \equiv 1, 2233, 7425, 7569, 12529, 12673, 17865, \text{ or } 20097 \pmod{22968}$ except $n = 2233, 7425, 7569$
58	100	$n \equiv 1, 7425, 13601, \text{ or } 21025 \pmod{23200}$ except $n = 7425$
58	101	$n \equiv 1, 2929, 8585, \text{ or } 17777 \pmod{23432}$ except $n = 2929, 8585$
58	102	$n \equiv 1, 4641, 5713, 10353, 12529, 15777, 18241, \text{ or } 21489 \pmod{23664}$ except $n = 4641, 5713, 10353$
58	103	$n \equiv 1, 8961, 9889, \text{ or } 22969 \pmod{23896}$ except $n = 8961, 9889$
58	104	$n \equiv 1, 3393, 10817, \text{ or } 16705 \pmod{24128}$ except $n = 3393, 10817$
58	105	$n \equiv 1, 841, 4641, 5481, 6265, 7105, 8121, 8961, 9745,$ $10585, 14385, 15225, 17865, 18705, 20881, \text{ or } 21721 \pmod{24360}$ except $n = 841, 4641, 5481, 6265, 7105,$ $8121, 8961, 9745, 10585$
58	106	$n \equiv 1, 1537, 3393, \text{ or } 22737 \pmod{24592}$ except $n = 1537, 3393$
58	107	$n \equiv 1, 21721, 23113, \text{ or } 23433 \pmod{24824}$
58	108	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{25056}$ except $n = 4321, 7425, 11745$
58	109	$n \equiv 1, 3161, 12209, \text{ or } 16241 \pmod{25288}$ except $n = 3161, 12209$
58	110	$n \equiv 1, 2321, 2465, 4785, 5105, 7425, 22881, \text{ or } 25201 \pmod{25520}$ except $n = 2321, 2465, 4785, 5105, 7425$
58	111	$n \equiv 1, 2553, 7105, 9657, 11137, 17169, 18241, \text{ or } 24273 \pmod{25752}$ except $n = 2553, 7105, 9657, 11137$
58	112	$n \equiv 1, 8961, 11137, \text{ or } 20097 \pmod{25984}$ except $n = 8961, 11137$
58	113	$n \equiv 1, 16385, 20793, \text{ or } 21809 \pmod{26216}$
58	114	$n \equiv 1, 609, 3249, 8817, 12673, 18241, 20881, \text{ or } 21489 \pmod{26448}$ except $n = 609, 3249, 8817, 12673$
58	115	$n \equiv 1, 2001, 4785, 10121, 13225, 18561, 21345, \text{ or } 23345 \pmod{26680}$ except $n = 2001, 4785, 10121, 13225$

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Table 57: Superspectra for  $p = 58$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
58	116	$n \equiv 1$ or $21025 \pmod{26912}$
58	117	$n \equiv 1, 3393, 6409, 13689, 13833, 16705, 16849,$ or $24129 \pmod{27144}$ except $n = 3393, 6409$
58	118	$n \equiv 1, 8497, 17169,$ or $25665 \pmod{27376}$ except $n = 8497$
58	119	$n \equiv 1, 2465, 4641, 5713, 7889, 10353, 13601,$ or $24361 \pmod{27608}$ except $n = 2465, 4641, 5713, 7889, 10353, 13601$
58	120	$n \equiv 1, 7105, 7425, 8961, 16705, 18241, 18561,$ or $25665 \pmod{27840}$ except $n = 7105, 7425, 8961$
58	121	$n \equiv 1, 17545, 20329,$ or $25289 \pmod{28072}$
58	122	$n \equiv 1, 2929, 12993,$ or $15921 \pmod{28304}$ except $n = 2929, 12993$
58	123	$n \equiv 1, 697, 9513, 10209, 14761, 15457, 24273,$ or $24969 \pmod{28536}$ except $n = 697, 9513, 10209$
58	124	$n \equiv 1, 9889, 14849,$ or $23809 \pmod{28768}$ except $n = 9889$
58	125	$n \equiv 1, 1625, 2001,$ or $3625 \pmod{29000}$ except $n = 1625, 2001, 3625$
58	126	$n \equiv 1, 3249, 16849, 20097, 20881, 24129, 25201,$ or $28449 \pmod{29232}$ except $n = 3249$
58	127	$n \equiv 1, 11049, 12065,$ or $28449 \pmod{29464}$ except $n = 11049, 12065$
58	128	$n \equiv 1$ or $16385 \pmod{29696}$

Table 58: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 59$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
59	2	$n \equiv 1$ or $177 \pmod{472}$ except $n = 177$
59	3	$n \equiv 1, 177, 237,$ or $649 \pmod{708}$ except $n = 177, 237$
59	4	$n \equiv 1$ or $177 \pmod{944}$ except $n = 177$
59	5	$n \equiv 1, 885, 945,$ or $1121 \pmod{1180}$

*continued on next page*

Table 58: Superspectra for  $p = 59$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
59	6	$n \equiv 1, 177, 649, \text{ or } 945 \pmod{1416}$ except $n = 177, 649$
59	7	$n \equiv 1, 413, 945, \text{ or } 1121 \pmod{1652}$ except $n = 413$
59	8	$n \equiv 1 \text{ or } 1121 \pmod{1888}$
59	9	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{2124}$ except $n = 649, 945$
59	10	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{2360}$ except $n = 945, 1121$
59	11	$n \equiv 1, 177, 473, \text{ or } 649 \pmod{2596}$ except $n = 177, 473, 649$
59	12	$n \equiv 1, 177, 945, \text{ or } 2065 \pmod{2832}$ except $n = 177, 945$
59	13	$n \equiv 1, 885, 1417, \text{ or } 2301 \pmod{3068}$ except $n = 885, 1417$
59	14	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{3304}$ except $n = 945, 1121$
59	15	$n \equiv 1, 885, 945, 2065, 2125, 2301, 2361, \text{ or } 3481 \pmod{3540}$ except $n = 885, 945$
59	16	$n \equiv 1 \text{ or } 3009 \pmod{3776}$
59	17	$n \equiv 1, 885, 2125, \text{ or } 3009 \pmod{4012}$ except $n = 885$
59	18	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{4248}$ except $n = 649, 945, 1593$
59	19	$n \equiv 1, 1121, 1653, \text{ or } 3953 \pmod{4484}$ except $n = 1121, 1653$
59	20	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{4720}$ except $n = 945, 1121, 2065$
59	21	$n \equiv 1, 945, 1653, 2065, 2773, 3717, 4249, \text{ or } 4425 \pmod{4956}$ except $n = 945, 1653, 2065$
59	22	$n \equiv 1, 177, 473, \text{ or } 649 \pmod{5192}$ except $n = 177, 473, 649$
59	23	$n \equiv 1, 1357, 2301, \text{ or } 4485 \pmod{5428}$ except $n = 1357, 2301$
59	24	$n \equiv 1, 3009, 3777, \text{ or } 4897 \pmod{5664}$
59	25	$n \equiv 1, 2125, 2301, \text{ or } 4425 \pmod{5900}$ except $n = 2125, 2301$
59	26	$n \equiv 1, 1417, 3953, \text{ or } 5369 \pmod{6136}$ except $n = 1417$
59	27	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{6372}$ except $n = 649, 945, 1593$
59	28	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{6608}$ except $n = 945, 1121, 2065$
59	29	$n \equiv 1, 1653, 3481, \text{ or } 5133 \pmod{6844}$ except $n = 1653$

*continued on next page*

Table 58: Superspectra for  $p = 59$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
59	30	$n \equiv 1, 945, 2065, 2361, 3481, 4425, 5665, \text{ or } 5841 \pmod{7080}$ except $n = 945, 2065, 2361, 3481$
59	31	$n \equiv 1, 1829, 3069, \text{ or } 6077 \pmod{7316}$ except $n = 1829, 3069$
59	32	$n \equiv 1 \text{ or } 6785 \pmod{7552}$
59	33	$n \equiv 1, 177, 649, 2773, 3069, 5193, 5665, \text{ or } 5841 \pmod{7788}$ except $n = 177, 649, 2773, 3069$
59	34	$n \equiv 1, 3009, 4897, \text{ or } 6137 \pmod{8024}$ except $n = 3009$
59	35	$n \equiv 1, 945, 1121, 2065, 3305, 4425, 5901, \text{ or } 7021 \pmod{8260}$ except $n = 945, 1121, 2065, 3305$
59	36	$n \equiv 1, 945, 4897, \text{ or } 5841 \pmod{8496}$ except $n = 945$
59	37	$n \equiv 1, 6549, 6845, \text{ or } 8437 \pmod{8732}$
59	38	$n \equiv 1, 1121, 3953, \text{ or } 6137 \pmod{8968}$ except $n = 1121, 3953$
59	39	$n \equiv 1, 885, 1417, 2301, 3069, 4485, 7021, \text{ or } 8437 \pmod{9204}$ except $n = 885, 1417, 2301, 3069, 4485$
59	40	$n \equiv 1, 1121, 5665, \text{ or } 6785 \pmod{9440}$ except $n = 1121$
59	41	$n \equiv 1, 7257, 8201, \text{ or } 8733 \pmod{9676}$
59	42	$n \equiv 1, 945, 2065, 4249, 4425, 6609, 7729, \text{ or } 8673 \pmod{9912}$ except $n = 945, 2065, 4249, 4425$
59	43	$n \equiv 1, 473, 2065, \text{ or } 2537 \pmod{10148}$ except $n = 473, 2065, 2537$
59	44	$n \equiv 1, 177, 5665, \text{ or } 5841 \pmod{10384}$ except $n = 177$
59	45	$n \equiv 1, 945, 2125, 5841, 7021, 7965, 9145, \text{ or } 9441 \pmod{10620}$ except $n = 945, 2125$
59	46	$n \equiv 1, 6785, 7729, \text{ or } 9913 \pmod{10856}$
59	47	$n \equiv 1, 2773, 3009, \text{ or } 10857 \pmod{11092}$ except $n = 2773, 3009$
59	48	$n \equiv 1, 3009, 3777, \text{ or } 10561 \pmod{11328}$ except $n = 3009, 3777$
59	49	$n \equiv 1, 2597, 6077, \text{ or } 8673 \pmod{11564}$ except $n = 2597$
59	50	$n \equiv 1, 4425, 8025, \text{ or } 8201 \pmod{11800}$ except $n = 4425$

*continued on next page*

Table 58: Superspectra for  $p = 59$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
59	51	$n \equiv 1, 885, 2125, 3009, 4897, 7021, 8025, \text{ or } 10149 \pmod{12036}$ except $n = 885, 2125, 3009, 4897$
59	52	$n \equiv 1, 3953, 7553, \text{ or } 11505 \pmod{12272}$ except $n = 3953$
59	53	$n \equiv 1, 2597, 6785, \text{ or } 9381 \pmod{12508}$ except $n = 2597$
59	54	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{12744}$ except $n = 649, 945, 1593$
59	55	$n \equiv 1, 3245, 5665, 5841, 7965, 8261, 10385, \text{ or } 10561 \pmod{12980}$ except $n = 3245, 5665, 5841$
59	56	$n \equiv 1, 1121, 7553, \text{ or } 8673 \pmod{13216}$ except $n = 1121$
59	57	$n \equiv 1, 1653, 4485, 5605, 8437, 10089, 10621, \text{ or } 12921 \pmod{13452}$ except $n = 1653, 4485, 5605$
59	58	$n \equiv 1, 3481, 8497, \text{ or } 11977 \pmod{13688}$ except $n = 3481$
59	59	$n \equiv 1 \text{ or } 3481 \pmod{13924}$ except $n = 3481$
59	60	$n \equiv 1, 945, 2065, 5665, 5841, 9441, 10561, \text{ or } 11505 \pmod{14160}$ except $n = 945, 2065, 5665, 5841$
59	61	$n \equiv 1, 5369, 5429, \text{ or } 10797 \pmod{14396}$ except $n = 5369, 5429$
59	62	$n \equiv 1, 9145, 10385, \text{ or } 13393 \pmod{14632}$
59	63	$n \equiv 1, 945, 2773, 3717, 4249, 7021, 11565, \text{ or } 14337 \pmod{14868}$ except $n = 945, 2773, 3717, 4249, 7021$
59	64	$n \equiv 1 \text{ or } 14337 \pmod{15104}$
59	65	$n \equiv 1, 885, 2301, 4485, 7021, 9205, 10621, \text{ or } 11505 \pmod{15340}$ except $n = 885, 2301, 4485, 7021$
59	66	$n \equiv 1, 177, 649, 5193, 5665, 5841, 10561, \text{ or } 10857 \pmod{15576}$ except $n = 177, 649, 5193, 5665, 5841$
59	67	$n \equiv 1, 3953, 9381, \text{ or } 10385 \pmod{15812}$ except $n = 3953$
59	68	$n \equiv 1, 3009, 4897, \text{ or } 14161 \pmod{16048}$ except $n = 3009, 4897$
59	69	$n \equiv 1, 1357, 2301, 4485, 7729, 9913, 10857, \text{ or } 12213 \pmod{16284}$ except $n = 1357, 2301, 4485, 7729$

*continued on next page*



Table 58: Superspectra for  $p = 59$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
59	70	$n \equiv 1, 945, 1121, 2065, 3305, 4425, 14161, \text{ or } 15281 \pmod{16520}$ except $n = 945, 1121, 2065, 3305, 4425$
59	71	$n \equiv 1, 4189, 8733, \text{ or } 12213 \pmod{16756}$ except $n = 4189$
59	72	$n \equiv 1, 4897, 9441, \text{ or } 14337 \pmod{16992}$ except $n = 4897$
59	73	$n \equiv 1, 5841, 7081, \text{ or } 12921 \pmod{17228}$ except $n = 5841, 7081$
59	74	$n \equiv 1, 15281, 15577, \text{ or } 17169 \pmod{17464}$
59	75	$n \equiv 1, 2125, 2301, 4425, 5901, 8025, 14101, \text{ or } 16225 \pmod{17700}$ except $n = 2125, 2301, 4425, 5901, 8025$
59	76	$n \equiv 1, 1121, 3953, \text{ or } 15105 \pmod{17936}$ except $n = 1121, 3953$
59	77	$n \equiv 1, 2597, 2773, 5369, 8261, 10857, 11033, \text{ or } 13629 \pmod{18172}$ except $n = 2597, 2773, 5369, 8261$
59	78	$n \equiv 1, 1417, 10089, 11505, 12273, 13689, 16225, \text{ or } 17641 \pmod{18408}$ except $n = 1417$
59	79	$n \equiv 1, 237, 4425, \text{ or } 4661 \pmod{18644}$ except $n = 237, 4425, 4661$
59	80	$n \equiv 1, 6785, 10561, \text{ or } 15105 \pmod{18880}$ except $n = 6785$
59	81	$n \equiv 1, 649, 13689, \text{ or } 14337 \pmod{19116}$ except $n = 649$
59	82	$n \equiv 1, 7257, 8201, \text{ or } 18409 \pmod{19352}$ except $n = 7257, 8201$
59	83	$n \equiv 1, 4897, 7553, \text{ or } 16933 \pmod{19588}$ except $n = 4897, 7553$
59	84	$n \equiv 1, 945, 2065, 6609, 7729, 8673, 14161, \text{ or } 14337 \pmod{19824}$ except $n = 945, 2065, 6609, 7729, 8673$
59	85	$n \equiv 1, 885, 2125, 7021, 8025, 12921, 14161, \text{ or } 15045 \pmod{20060}$ except $n = 885, 2125, 7021, 8025$
59	86	$n \equiv 1, 473, 2065, \text{ or } 2537 \pmod{20296}$ except $n = 473, 2065, 2537$
59	87	$n \equiv 1, 1653, 3481, 5133, 8497, 11977, 13689, \text{ or } 17169 \pmod{20532}$ except $n = 1653, 3481, 5133, 8497$
59	88	$n \equiv 1, 5665, 10561, \text{ or } 16225 \pmod{20768}$ except $n = 5665$
59	89	$n \equiv 1, 5429, 10325, \text{ or } 15753 \pmod{21004}$ except $n = 5429, 10325$

*continued on next page*

Table 58: Superspectra for  $p = 59$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
59	90	$n \equiv 1, 945, 5841, 9145, 9441, 12745, 17641, \text{ or } 18585 \pmod{21240}$ except $n = 945, 5841, 9145, 9441$
59	91	$n \equiv 1, 5369, 7021, 7553, 9205, 17641, 19293, \text{ or } 19825 \pmod{21476}$ except $n = 5369, 7021, 7553, 9205$
59	92	$n \equiv 1, 6785, 7729, \text{ or } 20769 \pmod{21712}$ except $n = 6785, 7729$
59	93	$n \equiv 1, 3069, 7317, 9145, 13393, 16461, 17701, \text{ or } 20709 \pmod{21948}$ except $n = 3069, 7317, 9145$
59	94	$n \equiv 1, 3009, 10857, \text{ or } 13865 \pmod{22184}$ except $n = 3009, 10857$
59	95	$n \equiv 1, 1121, 4485, 5605, 10621, 12921, 15105, \text{ or } 17405 \pmod{22420}$ except $n = 1121, 4485, 5605, 10621$
59	96	$n \equiv 1, 14337, 15105, \text{ or } 21889 \pmod{22656}$
59	97	$n \equiv 1, 7081, 10089, \text{ or } 17169 \pmod{22892}$ except $n = 7081, 10089$
59	98	$n \equiv 1, 8673, 14161, \text{ or } 17641 \pmod{23128}$ except $n = 8673$
59	99	$n \equiv 1, 649, 2773, 3069, 5193, 5841, 7965, \text{ or } 21241 \pmod{23364}$ except $n = 649, 2773, 3069, 5193, 5841, 7965$
59	100	$n \equiv 1, 16225, 19825, \text{ or } 20001 \pmod{23600}$
59	101	$n \equiv 1, 17877, 18585, \text{ or } 23129 \pmod{23836}$
59	102	$n \equiv 1, 3009, 4897, 8025, 12921, 14161, 19057, \text{ or } 22185 \pmod{24072}$ except $n = 3009, 4897, 8025$
59	103	$n \equiv 1, 413, 5665, \text{ or } 6077 \pmod{24308}$ except $n = 413, 5665, 6077$
59	104	$n \equiv 1, 7553, 16225, \text{ or } 23777 \pmod{24544}$ except $n = 7553$
59	105	$n \equiv 1, 945, 2065, 4425, 5901, 7021, 9205, 9381, 11565,$ $12685, 14161, 16521, 17641, 18585, 19825, \text{ or } 23541 \pmod{24780}$ except $n = 945, 2065, 4425, 5901, 7021, 9205, 9381, 11565$
59	106	$n \equiv 1, 6785, 15105, \text{ or } 21889 \pmod{25016}$ except $n = 6785$
59	107	$n \equiv 1, 6313, 8025, \text{ or } 23541 \pmod{25252}$ except $n = 6313, 8025$
59	108	$n \equiv 1, 945, 13393, \text{ or } 14337 \pmod{25488}$ except $n = 945$
59	109	$n \equiv 1, 1417, 17877, \text{ or } 19293 \pmod{25724}$ except $n = 1417$

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Table 58: Superspectra for  $p = 59$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
59	110	$n \equiv 1, 5665, 5841, 10385, 10561, 16225, 20945, \text{ or } 21241 \pmod{25960}$ except $n = 5665, 5841, 10385, 10561$
59	111	$n \equiv 1, 6549, 8437, 8733, 15577, 17169, 24013, \text{ or } 24309 \pmod{26196}$ except $n = 6549, 8437, 8733$
59	112	$n \equiv 1, 7553, 14337, \text{ or } 21889 \pmod{26432}$ except $n = 7553$
59	113	$n \equiv 1, 1357, 18645, \text{ or } 20001 \pmod{26668}$ except $n = 1357$
59	114	$n \equiv 1, 10089, 12921, 15105, 17937, 19057, 21889, \text{ or } 24073 \pmod{26904}$ except $n = 10089, 12921$
59	115	$n \equiv 1, 2301, 4485, 6785, 15341, 16285, 17641, \text{ or } 18585 \pmod{27140}$ except $n = 2301, 4485, 6785$
59	116	$n \equiv 1, 8497, 17169, \text{ or } 25665 \pmod{27376}$ except $n = 8497$
59	117	$n \equiv 1, 3069, 7021, 10089, 10621, 13689, 17641, \text{ or } 20709 \pmod{27612}$ except $n = 3069, 7021, 10089, 10621, 13689$
59	118	$n \equiv 1 \text{ or } 3481 \pmod{27848}$ except $n = 3481$
59	119	$n \equiv 1, 7021, 11033, 14161, 16933, 18173, 20945, \text{ or } 24073 \pmod{28084}$ except $n = 7021, 11033$
59	120	$n \equiv 1, 5665, 9441, 10561, 15105, 16225, 20001, \text{ or } 25665 \pmod{28320}$ except $n = 5665, 9441, 10561$
59	121	$n \equiv 1, 21417, 23837, \text{ or } 26137 \pmod{28556}$
59	122	$n \equiv 1, 5369, 19825, \text{ or } 25193 \pmod{28792}$ except $n = 5369$
59	123	$n \equiv 1, 7257, 8733, 16933, 17877, 18409, 19353, \text{ or } 27553 \pmod{29028}$ except $n = 7257, 8733$
59	124	$n \equiv 1, 10385, 13393, \text{ or } 23777 \pmod{29264}$ except $n = 10385, 13393$
59	125	$n \equiv 1, 2125, 20001, \text{ or } 22125 \pmod{29500}$ except $n = 2125$
59	126	$n \equiv 1, 945, 4249, 14337, 17641, 18585, 21889, \text{ or } 26433 \pmod{29736}$ except $n = 945, 4249, 14337$
59	127	$n \equiv 1, 7493, 9145, \text{ or } 28321 \pmod{29972}$ except $n = 7493, 9145$
59	128	$n \equiv 1 \text{ or } 14337 \pmod{30208}$ except $n = 14337$

Table 59: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 60$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
60	2	$n \equiv 1, 225, 321, \text{ or } 385 \pmod{480}$ except $n = 225$
60	3	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
60	4	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
60	5	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
60	6	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
60	7	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
60	8	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
60	9	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
60	10	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
60	11	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
60	12	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
60	13	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
60	14	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
60	15	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
60	16	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
60	17	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
60	18	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
60	19	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
60	20	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$

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Table 59: Superspectra for  $p = 60$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
60	21	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
60	22	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
60	23	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
60	24	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
60	25	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
60	26	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
60	27	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
60	28	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
60	29	$n \equiv 1, 145, 465, 2001, 2785, 4321, 4641, \text{ or } 4785 \pmod{6960}$ except $n = 145, 465, 2001, 2785$
60	30	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
60	31	$n \equiv 1, 465, 961, 2481, 3441, 4465, 5425, \text{ or } 6945 \pmod{7440}$ except $n = 465, 961, 2481, 3441$
60	32	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
60	33	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
60	34	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
60	35	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
60	36	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
60	37	$n \equiv 1, 481, 1185, 1665, 2961, 3441, 7105, \text{ or } 7585 \pmod{8880}$ except $n = 481, 1185, 1665, 2961, 3441$

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Table 59: Superspectra for  $p = 60$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
60	38	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
60	39	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
60	40	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
60	41	$n \equiv 1, 1681, 2625, 4305, 5905, 6561, 7585, \text{ or } 8241 \pmod{9840}$ except $n = 1681, 2625, 4305$
60	42	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
60	43	$n \equiv 1, 2065, 2881, 3441, 4945, 5505, 6321, \text{ or } 8385 \pmod{10320}$ except $n = 2065, 2881, 3441, 4945$
60	44	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
60	45	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
60	46	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
60	47	$n \equiv 1, 705, 2961, 4465, 5265, 6721, 7521, \text{ or } 9025 \pmod{11280}$ except $n = 705, 2961, 4465, 5265$
60	48	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
60	49	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
60	50	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
60	51	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
60	52	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
60	53	$n \equiv 1, 2385, 2545, 4081, 6625, 8481, 11025, \text{ or } 12561 \pmod{12720}$ except $n = 2385, 2545, 4081$
60	54	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$

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Table 59: Superspectra for  $p = 60$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
60	55	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
60	56	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
60	57	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
60	58	$n \equiv 1, 2785, 4321, 4641, 7105, 7425, 8961, \text{ or } 11745 \pmod{13920}$ except $n = 2785, 4321, 4641$
60	59	$n \equiv 1, 945, 2065, 5665, 5841, 9441, 10561, \text{ or } 11505 \pmod{14160}$ except $n = 945, 2065, 5665, 5841$
60	60	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
60	61	$n \equiv 1, 1281, 4881, 5185, 8785, 10065, 11041, \text{ or } 13665 \pmod{14640}$ except $n = 1281, 4881, 5185$
60	62	$n \equiv 1, 961, 6945, 7905, 9921, 10881, 11905, \text{ or } 12865 \pmod{14880}$ except $n = 961, 6945$
60	63	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
60	64	$n \equiv 1, 5121, 6145, \text{ or } 11265 \pmod{15360}$ except $n = 5121, 6145$
60	65	$n \equiv 1, 625, 3601, 4225, 10401, 11025, 14001, \text{ or } 14625 \pmod{15600}$ except $n = 625, 3601, 4225$
60	66	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
60	67	$n \equiv 1, 2145, 2881, 5025, 5361, 8241, 12865, \text{ or } 15745 \pmod{16080}$ except $n = 2145, 2881, 5025, 5361$
60	68	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
60	69	$n \equiv 1, 3105, 3681, 6625, 9361, 10305, 13041, \text{ or } 15985 \pmod{16560}$ except $n = 3105, 3681, 6625$

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Table 59: Superspectra for  $p = 60$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
60	70	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
60	71	$n \equiv 1, 4545, 5041, 9585, 10225, 11361, 15265, \text{ or } 16401 \pmod{17040}$ except $n = 4545, 5041$
60	72	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
60	73	$n \equiv 1, 1825, 3505, 4161, 5841, 7665, 9345, \text{ or } 15841 \pmod{17520}$ except $n = 1825, 3505, 4161, 5841, 7665$
60	74	$n \equiv 1, 481, 1185, 1665, 7105, 7585, 11841, \text{ or } 12321 \pmod{17760}$ except $n = 481, 1185, 1665, 7105, 7585$
60	75	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{18000}$ except $n = 6625, 8001$
60	76	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
60	77	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
60	78	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
60	79	$n \equiv 1, 1185, 6241, 6321, 7585, 12561, 13825, \text{ or } 13905 \pmod{18960}$ except $n = 1185, 6241, 6321, 7585$
60	80	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
60	81	$n \equiv 1, 6561, 11665, \text{ or } 18225 \pmod{19440}$ except $n = 6561$
60	82	$n \equiv 1, 2625, 6561, 7585, 11521, 14145, 15745, \text{ or } 18081 \pmod{19680}$ except $n = 2625, 6561, 7585$
60	83	$n \equiv 1, 2241, 3985, 6225, 8881, 12865, 13281, \text{ or } 17265 \pmod{19920}$ except $n = 2241, 3985, 6225, 8881$
60	84	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
60	85	$n \equiv 1, 3825, 6001, 6801, 11425, 12801, 17425, \text{ or } 18225 \pmod{20400}$ except $n = 3825, 6001, 6801$

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Table 59: Superspectra for  $p = 60$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
60	86	$n \equiv 1, 2881, 5505, 8385, 12385, 13761, 15265, \text{ or } 16641 \pmod{20640}$ except $n = 2881, 5505, 8385$
60	87	$n \equiv 1, 145, 4321, 7425, 11601, 11745, 15921, \text{ or } 16705 \pmod{20880}$ except $n = 145, 4321, 7425$
60	88	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281 \pmod{21120}$ except $n = 385, 3201, 4225, 7041, 7425$
60	89	$n \equiv 1, 801, 1425, 7921, 8545, 9345, 14241, \text{ or } 16465 \pmod{21360}$ except $n = 801, 1425, 7921, 8545, 9345$
60	90	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
60	91	$n \equiv 1, 3745, 4641, 5265, 6721, 7281, 10465, 11025, 12481,$ $13105, 14001, 17745, 19201, 19761, 19825, \text{ or } 20385 \pmod{21840}$ except $n = 3745, 4641, 5265, 6721, 7281, 10465$
60	92	$n \equiv 1, 3841, 10305, 14145, 14721, 17665, 18561, \text{ or } 21505 \pmod{22080}$ except $n = 3841, 10305$
60	93	$n \equiv 1, 4465, 10881, 15345, 15841, 17361, 20305, \text{ or } 21825 \pmod{22320}$ except $n = 4465, 10881$
60	94	$n \equiv 1, 705, 6721, 7521, 9025, 14241, 15745, \text{ or } 16545 \pmod{22560}$ except $n = 705, 6721, 7521, 9025$
60	95	$n \equiv 1, 1425, 1825, 7201, 9025, 15201, 17025, \text{ or } 22401 \pmod{22800}$ except $n = 1425, 1825, 7201, 9025$
60	96	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$
60	97	$n \equiv 1, 3105, 3201, 7761, 14065, 18625, 18721, \text{ or } 21825 \pmod{23280}$ except $n = 3105, 3201, 7761$
60	98	$n \equiv 1, 2401, 4705, 7105, 15681, 18081, 20385, \text{ or } 22785 \pmod{23520}$ except $n = 2401, 4705, 7105$
60	99	$n \equiv 1, 3025, 4401, 7425, 9505, 13905, 17281, \text{ or } 21681 \pmod{23760}$ except $n = 3025, 4401, 7425, 9505$
60	100	$n \equiv 1, 2625, 8001, \text{ or } 18625 \pmod{24000}$ except $n = 2625, 8001$

*continued on next page*

Table 59: Superspectra for  $p = 60$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
60	101	$n \equiv 1, 4545, 6465, 12625, 14241, 14545, 16161, \text{ or } 22321 \pmod{24240}$ except $n = 4545, 6465$
60	102	$n \equiv 1, 5185, 5985, 10081, 10881, 16065, 19585, \text{ or } 20961 \pmod{24480}$ except $n = 5185, 5985, 10081, 10881$
60	103	$n \equiv 1, 721, 4945, 5665, 8241, 8961, 13185, \text{ or } 13905 \pmod{24720}$ except $n = 721, 4945, 5665, 8241, 8961$
60	104	$n \equiv 1, 1665, 4225, 9985, 10881, 16641, 19201, \text{ or } 20865 \pmod{24960}$ except $n = 1665, 4225, 9985, 10881$
60	105	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
60	106	$n \equiv 1, 6625, 8481, 15105, 15265, 16801, 23745, \text{ or } 25281 \pmod{25440}$ except $n = 6625, 8481$
60	107	$n \equiv 1, 321, 3745, 8881, 11985, 17121, 20545, \text{ or } 20865 \pmod{25680}$ except $n = 321, 3745, 8881, 11985$
60	108	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{25920}$ except $n = 5185$
60	109	$n \equiv 1, 7521, 8721, 9265, 10465, 17985, 19185, \text{ or } 24961 \pmod{26160}$ except $n = 7521, 8721, 9265, 10465$
60	110	$n \equiv 1, 3201, 4225, 7425, 12001, 16225, 17601, \text{ or } 21825 \pmod{26400}$ except $n = 3201, 4225, 7425, 12001$
60	111	$n \equiv 1, 1665, 2961, 9361, 12321, 15985, 18945, \text{ or } 25345 \pmod{26640}$ except $n = 1665, 2961, 9361, 12321$
60	112	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
60	113	$n \equiv 1, 1921, 5425, 7345, 18081, 20001, 23505, \text{ or } 25425 \pmod{27120}$ except $n = 1921, 5425, 7345$
60	114	$n \equiv 1, 5985, 7201, 10945, 15201, 18145, 22401, \text{ or } 26145 \pmod{27360}$ except $n = 5985, 7201, 10945$
60	115	$n \equiv 1, 2001, 6625, 8625, 9201, 15825, 20401, \text{ or } 27025 \pmod{27600}$ except $n = 2001, 6625, 8625, 9201$

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Table 59: Superspectra for  $p = 60$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
60	116	$n \equiv 1, 7105, 7425, 8961, 16705, 18241, 18561, \text{ or } 25665 \pmod{27840}$ except $n = 7105, 7425, 8961$
60	117	$n \equiv 1, 5265, 7345, 10881, 12961, 20385, 22465, \text{ or } 26001 \pmod{28080}$ except $n = 5265, 7345, 10881, 12961$
60	118	$n \equiv 1, 5665, 9441, 10561, 15105, 16225, 20001, \text{ or } 25665 \pmod{28320}$ except $n = 5665, 9441, 10561$
60	119	$n \equiv 1, 561, 1905, 4081, 4641, 5985, 10081, 11425, 11985,$ $14161, 15505, 16065, 19041, 21505, 23121, \text{ or } 25585 \pmod{28560}$ except $n = 561, 1905, 4081, 4641, 5985,$ $10081, 11425, 11985, 14161$
60	120	$n \equiv 1, 7425, 13825, \text{ or } 22401 \pmod{28800}$ except $n = 7425, 13825$
60	121	$n \equiv 1, 3025, 9681, 12705, 14641, 17425, 24321, \text{ or } 27105 \pmod{29040}$ except $n = 3025, 9681, 12705$
60	122	$n \equiv 1, 1281, 5185, 11041, 13665, 19521, 23425, \text{ or } 24705 \pmod{29280}$ except $n = 1281, 5185, 11041, 13665$
60	123	$n \equiv 1, 5905, 6561, 11521, 12465, 17425, 18081, \text{ or } 23985 \pmod{29520}$ except $n = 5905, 6561, 11521, 12465$
60	124	$n \equiv 1, 961, 9921, 10881, 11905, 12865, 21825, \text{ or } 22785 \pmod{29760}$ except $n = 961, 9921, 10881, 11905, 12865$
60	125	$n \equiv 1, 625, 20001, \text{ or } 20625 \pmod{30000}$ except $n = 625$
60	126	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$
60	127	$n \equiv 1, 1905, 4065, 8001, 10161, 22225, 24385, \text{ or } 28321 \pmod{30480}$ except $n = 1905, 4065, 8001, 10161$
60	128	$n \equiv 1, 6145, 20481, \text{ or } 26625 \pmod{30720}$ except $n = 6145$

Table 60: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 61$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
61	2	$n \equiv 1$ or $305 \pmod{488}$
61	3	$n \equiv 1, 61, 489,$ or $549 \pmod{732}$ except $n = 61$
61	4	$n \equiv 1$ or $305 \pmod{976}$ except $n = 305$
61	5	$n \equiv 1, 61, 245,$ or $305 \pmod{1220}$ except $n = 61, 245, 305$
61	6	$n \equiv 1, 489, 793,$ or $1281 \pmod{1464}$ except $n = 489$
61	7	$n \equiv 1, 245, 1037,$ or $1281 \pmod{1708}$ except $n = 245$
61	8	$n \equiv 1$ or $1281 \pmod{1952}$
61	9	$n \equiv 1, 549, 793,$ or $1953 \pmod{2196}$ except $n = 549, 793$
61	10	$n \equiv 1, 305, 1281,$ or $1465 \pmod{2440}$ except $n = 305$
61	11	$n \equiv 1, 793, 1221,$ or $2013 \pmod{2684}$ except $n = 793, 1221$
61	12	$n \equiv 1, 1281, 1953,$ or $2257 \pmod{2928}$ except $n = 1281$
61	13	$n \equiv 1, 793, 1769,$ or $2197 \pmod{3172}$ except $n = 793$
61	14	$n \equiv 1, 1281, 1953,$ or $2745 \pmod{3416}$ except $n = 1281$
61	15	$n \equiv 1, 61, 1221, 1281, 1465, 1525, 2685,$ or $2745 \pmod{3660}$ except $n = 61, 1221, 1281, 1465, 1525$
61	16	$n \equiv 1$ or $1281 \pmod{3904}$ except $n = 1281$
61	17	$n \equiv 1, 1037, 1769,$ or $3417 \pmod{4148}$ except $n = 1037, 1769$
61	18	$n \equiv 1, 793, 1953,$ or $2745 \pmod{4392}$ except $n = 793, 1953$
61	19	$n \equiv 1, 305, 3173,$ or $3477 \pmod{4636}$ except $n = 305$
61	20	$n \equiv 1, 305, 1281,$ or $3905 \pmod{4880}$ except $n = 305, 1281$
61	21	$n \equiv 1, 1281, 1953, 2745, 2989, 3417, 3661,$ or $4453 \pmod{5124}$ except $n = 1281, 1953$
61	22	$n \equiv 1, 793, 3905,$ or $4697 \pmod{5368}$ except $n = 793$
61	23	$n \equiv 1, 4209, 4393,$ or $5429 \pmod{5612}$
61	24	$n \equiv 1, 1281, 1953,$ or $5185 \pmod{5856}$ except $n = 1281, 1953$

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Table 60: Superspectra for  $p = 61$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
61	25	$n \equiv 1, 1525, 2501, \text{ or } 5125 \pmod{6100}$ except $n = 1525, 2501$
61	26	$n \equiv 1, 793, 1769, \text{ or } 5369 \pmod{6344}$ except $n = 793, 1769$
61	27	$n \equiv 1, 4941, 5185, \text{ or } 6345 \pmod{6588}$
61	28	$n \equiv 1, 1281, 1953, \text{ or } 6161 \pmod{6832}$ except $n = 1281, 1953$
61	29	$n \equiv 1, 1769, 2929, \text{ or } 5917 \pmod{7076}$ except $n = 1769, 2929$
61	30	$n \equiv 1, 1281, 1465, 2745, 3721, 4881, 5185, \text{ or } 6345 \pmod{7320}$ except $n = 1281, 1465, 2745$
61	31	$n \equiv 1, 1953, 3721, \text{ or } 5673 \pmod{7564}$ except $n = 1953, 3721$
61	32	$n \equiv 1 \text{ or } 1281 \pmod{7808}$ except $n = 1281$
61	33	$n \equiv 1, 793, 1221, 2013, 2685, 3477, 6589, \text{ or } 7381 \pmod{8052}$ except $n = 793, 1221, 2013, 2685, 3477$
61	34	$n \equiv 1, 1769, 3417, \text{ or } 5185 \pmod{8296}$ except $n = 1769, 3417$
61	35	$n \equiv 1, 245, 1281, 2745, 3661, 5125, 6161, \text{ or } 6405 \pmod{8540}$ except $n = 245, 1281, 2745, 3661$
61	36	$n \equiv 1, 1953, 5185, \text{ or } 7137 \pmod{8784}$ except $n = 1953$
61	37	$n \equiv 1, 1037, 1221, \text{ or } 2257 \pmod{9028}$ except $n = 1037, 1221, 2257$
61	38	$n \equiv 1, 305, 7809, \text{ or } 8113 \pmod{9272}$ except $n = 305$
61	39	$n \equiv 1, 793, 2197, 4941, 6345, 7137, 8113, \text{ or } 8541 \pmod{9516}$ except $n = 793, 2197$
61	40	$n \equiv 1, 1281, 3905, \text{ or } 5185 \pmod{9760}$ except $n = 1281, 3905$
61	41	$n \equiv 1, 2501, 5125, \text{ or } 7381 \pmod{10004}$ except $n = 2501$
61	42	$n \equiv 1, 1281, 1953, 2745, 3417, 8113, 8785, \text{ or } 9577 \pmod{10248}$ except $n = 1281, 1953, 2745, 3417$
61	43	$n \equiv 1, 7869, 8601, \text{ or } 9761 \pmod{10492}$
61	44	$n \equiv 1, 3905, 6161, \text{ or } 10065 \pmod{10736}$ except $n = 3905$
61	45	$n \equiv 1, 2745, 4941, 5185, 6345, 7381, 8541, \text{ or } 8785 \pmod{10980}$ except $n = 2745, 4941, 5185$

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Table 60: Superspectra for  $p = 61$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
61	46	$n \equiv 1, 4209, 4393, \text{ or } 11041 \pmod{11224}$ except $n = 4209, 4393$
61	47	$n \equiv 1, 2257, 6345, \text{ or } 8601 \pmod{11468}$ except $n = 2257$
61	48	$n \equiv 1, 1281, 5185, \text{ or } 7809 \pmod{11712}$ except $n = 1281, 5185$
61	49	$n \equiv 1, 245, 2745, \text{ or } 2989 \pmod{11956}$ except $n = 245, 2745, 2989$
61	50	$n \equiv 1, 7625, 8601, \text{ or } 11225 \pmod{12200}$
61	51	$n \equiv 1, 3417, 4149, 5185, 5917, 9333, 10065, \text{ or } 11713 \pmod{12444}$ except $n = 3417, 4149, 5185, 5917$
61	52	$n \equiv 1, 7137, 8113, \text{ or } 11713 \pmod{12688}$
61	53	$n \equiv 1, 3233, 4453, \text{ or } 11713 \pmod{12932}$ except $n = 3233, 4453$
61	54	$n \equiv 1, 5185, 6345, \text{ or } 11529 \pmod{13176}$ except $n = 5185, 6345$
61	55	$n \equiv 1, 1221, 2685, 3905, 6161, 7381, 8845, \text{ or } 10065 \pmod{13420}$ except $n = 1221, 2685, 3905, 6161$
61	56	$n \equiv 1, 1281, 1953, \text{ or } 12993 \pmod{13664}$ except $n = 1281, 1953$
61	57	$n \equiv 1, 3477, 4941, 7809, 8113, 9273, 9577, \text{ or } 12445 \pmod{13908}$ except $n = 3477, 4941$
61	58	$n \equiv 1, 1769, 2929, \text{ or } 12993 \pmod{14152}$ except $n = 1769, 2929$
61	59	$n \equiv 1, 5369, 5429, \text{ or } 10797 \pmod{14396}$ except $n = 5369, 5429$
61	60	$n \equiv 1, 1281, 4881, 5185, 8785, 10065, 11041, \text{ or } 13665 \pmod{14640}$ except $n = 1281, 4881, 5185$
61	61	$n \equiv 1 \text{ or } 3721 \pmod{14884}$ except $n = 3721$
61	62	$n \equiv 1, 1953, 3721, \text{ or } 5673 \pmod{15128}$ except $n = 1953, 3721, 5673$
61	63	$n \equiv 1, 1953, 2745, 2989, 8541, 8785, 9577, \text{ or } 11529 \pmod{15372}$ except $n = 1953, 2745, 2989$
61	64	$n \equiv 1 \text{ or } 1281 \pmod{15616}$ except $n = 1281$
61	65	$n \equiv 1, 3965, 4941, 6345, 8541, 11285, 13481, \text{ or } 14885 \pmod{15860}$ except $n = 3965, 4941, 6345$

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Table 60: Superspectra for  $p = 61$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
61	66	$n \equiv 1, 793, 9273, 10065, 10737, 11529, 14641, \text{ or } 15433 \pmod{16104}$ except $n = 793$
61	67	$n \equiv 1, 3417, 8845, \text{ or } 12261 \pmod{16348}$ except $n = 3417$
61	68	$n \equiv 1, 5185, 10065, \text{ or } 11713 \pmod{16592}$ except $n = 5185$
61	69	$n \equiv 1, 4209, 4393, 5613, 10005, 11041, 15433, \text{ or } 16653 \pmod{16836}$ except $n = 4209, 4393, 5613$
61	70	$n \equiv 1, 1281, 2745, 6161, 8785, 12201, 13665, \text{ or } 14945 \pmod{17080}$ except $n = 1281, 2745, 6161$
61	71	$n \equiv 1, 3905, 9089, \text{ or } 12993 \pmod{17324}$ except $n = 3905$
61	72	$n \equiv 1, 1953, 5185, \text{ or } 7137 \pmod{17568}$ except $n = 1953, 5185, 7137$
61	73	$n \equiv 1, 4453, 8541, \text{ or } 13725 \pmod{17812}$ except $n = 4453, 8541$
61	74	$n \equiv 1, 2257, 10065, \text{ or } 10249 \pmod{18056}$ except $n = 2257$
61	75	$n \equiv 1, 1525, 5125, 8601, 12201, 13725, 14701, \text{ or } 17325 \pmod{18300}$ except $n = 1525, 5125, 8601$
61	76	$n \equiv 1, 305, 7809, \text{ or } 8113 \pmod{18544}$ except $n = 305, 7809, 8113$
61	77	$n \equiv 1, 4697, 5369, 6161, 11529, 11957, 17325, \text{ or } 18117 \pmod{18788}$ except $n = 4697, 5369, 6161$
61	78	$n \equiv 1, 793, 6345, 7137, 8113, 11713, 14457, \text{ or } 18057 \pmod{19032}$ except $n = 793, 6345, 7137, 8113$
61	79	$n \equiv 1, 3477, 10981, \text{ or } 14457 \pmod{19276}$ except $n = 3477$
61	80	$n \equiv 1, 1281, 3905, \text{ or } 5185 \pmod{19520}$ except $n = 1281, 3905, 5185$
61	81	$n \equiv 1, 4941, 5185, \text{ or } 19521 \pmod{19764}$ except $n = 4941, 5185$
61	82	$n \equiv 1, 12505, 15129, \text{ or } 17385 \pmod{20008}$
61	83	$n \equiv 1, 2989, 12201, \text{ or } 15189 \pmod{20252}$ except $n = 2989$
61	84	$n \equiv 1, 1281, 1953, 8113, 8785, 12993, 13665, \text{ or } 19825 \pmod{20496}$ except $n = 1281, 1953, 8113, 8785$
61	85	$n \equiv 1, 5185, 7565, 10065, 12445, 13481, 15861, \text{ or } 18361 \pmod{20740}$ except $n = 5185, 7565, 10065$

*continued on next page*

Table 60: Superspectra for  $p = 61$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
61	86	$n \equiv 1, 8601, 9761, \text{ or } 18361 \pmod{20984}$ except $n = 8601, 9761$
61	87	$n \equiv 1, 2929, 5917, 7077, 8845, 10005, 12993, \text{ or } 15921 \pmod{21228}$ except $n = 2929, 5917, 7077, 8845, 10005$
61	88	$n \equiv 1, 3905, 16897, \text{ or } 20801 \pmod{21472}$ except $n = 3905$
61	89	$n \equiv 1, 5429, 7565, \text{ or } 19581 \pmod{21716}$ except $n = 5429, 7565$
61	90	$n \equiv 1, 2745, 5185, 6345, 8785, 15921, 18361, \text{ or } 19521 \pmod{21960}$ except $n = 2745, 5185, 6345, 8785$
61	91	$n \equiv 1, 5369, 8113, 8541, 11285, 16653, 19033, \text{ or } 19825 \pmod{22204}$ except $n = 5369, 8113, 8541$
61	92	$n \equiv 1, 4209, 11041, \text{ or } 15617 \pmod{22448}$ except $n = 4209, 11041$
61	93	$n \equiv 1, 1953, 3721, 5673, 9517, 13237, 15129, \text{ or } 18849 \pmod{22692}$ except $n = 1953, 3721, 5673, 9517$
61	94	$n \equiv 1, 2257, 6345, \text{ or } 8601 \pmod{22936}$ except $n = 2257, 6345, 8601$
61	95	$n \equiv 1, 305, 4941, 12445, 17081, 17385, 18545, \text{ or } 22021 \pmod{23180}$ except $n = 305, 4941$
61	96	$n \equiv 1, 1281, 7809, \text{ or } 16897 \pmod{23424}$ except $n = 1281, 7809$
61	97	$n \equiv 1, 5917, 13969, \text{ or } 15617 \pmod{23668}$ except $n = 5917$
61	98	$n \equiv 1, 2745, 12201, \text{ or } 14945 \pmod{23912}$ except $n = 2745$
61	99	$n \equiv 1, 793, 6589, 7381, 10737, 11529, 17325, \text{ or } 18117 \pmod{24156}$ except $n = 793, 6589, 7381, 10737, 11529$
61	100	$n \equiv 1, 19825, 20801, \text{ or } 23425 \pmod{24400}$
61	101	$n \equiv 1, 2929, 3233, \text{ or } 6161 \pmod{24644}$ except $n = 2929, 3233, 6161$
61	102	$n \equiv 1, 3417, 5185, 10065, 11713, 16593, 18361, \text{ or } 21777 \pmod{24888}$ except $n = 3417, 5185, 10065, 11713$
61	103	$n \equiv 1, 18849, 20497, \text{ or } 23485 \pmod{25132}$
61	104	$n \equiv 1, 7137, 11713, \text{ or } 20801 \pmod{25376}$ except $n = 7137, 11713$

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Table 60: Superspectra for  $p = 61$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
61	105	$n \equiv 1, 1281, 2745, 3661, 5125, 6405, 8541, 8785, 12201,$ $13665, 14701, 17325, 18361, 19825, 23241, \text{ or } 23485 \pmod{25620}$ except $n = 1281, 2745, 3661, 5125, 6405, 8541, 8785, 12201$
61	106	$n \equiv 1, 3233, 11713, \text{ or } 17385 \pmod{25864}$ except $n = 3233, 11713$
61	107	$n \equiv 1, 19581, 20009, \text{ or } 25681 \pmod{26108}$
61	108	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{26352}$ except $n = 5185$
61	109	$n \equiv 1, 6649, 11773, \text{ or } 21473 \pmod{26596}$ except $n = 6649, 11773$
61	110	$n \equiv 1, 3905, 6161, 10065, 14641, 16105, 20801, \text{ or } 22265 \pmod{26840}$ except $n = 3905, 6161, 10065$
61	111	$n \equiv 1, 1221, 2257, 10065, 10249, 18057, 19093, \text{ or } 20313 \pmod{27084}$ except $n = 1221, 2257, 10065, 10249$
61	112	$n \equiv 1, 1281, 12993, \text{ or } 15617 \pmod{27328}$ except $n = 1281, 12993$
61	113	$n \equiv 1, 6893, 16837, \text{ or } 17629 \pmod{27572}$ except $n = 6893$
61	114	$n \equiv 1, 7809, 8113, 9273, 9577, 17385, 18849, \text{ or } 26353 \pmod{27816}$ except $n = 7809, 8113, 9273, 9577$
61	115	$n \equiv 1, 9821, 10005, 11041, 11225, 21045, 22265, \text{ or } 26841 \pmod{28060}$ except $n = 9821, 10005, 11041, 11225$
61	116	$n \equiv 1, 2929, 12993, \text{ or } 15921 \pmod{28304}$ except $n = 2929, 12993$
61	117	$n \equiv 1, 793, 2197, 4941, 6345, 7137, 8541, \text{ or } 27145 \pmod{28548}$ except $n = 793, 2197, 4941, 6345, 7137, 8541$
61	118	$n \equiv 1, 5369, 19825, \text{ or } 25193 \pmod{28792}$ except $n = 5369$
61	119	$n \equiv 1, 1037, 3417, 18361, 20741, 21777, 24157, \text{ or } 26657 \pmod{29036}$ except $n = 1037, 3417$
61	120	$n \equiv 1, 1281, 5185, 11041, 13665, 19521, 23425, \text{ or } 24705 \pmod{29280}$ except $n = 1281, 5185, 11041, 13665$
61	121	$n \equiv 1, 7381, 14641, \text{ or } 22265 \pmod{29524}$ except $n = 7381, 14641$
61	122	$n \equiv 1 \text{ or } 3721 \pmod{29768}$ except $n = 3721$

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Table 60: Superspectra for  $p = 61$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
61	123	$n \equiv 1, 5125, 7381, 10005, 12505, 15129, 17385, \text{ or } 22509 \pmod{30012}$ except $n = 5125, 7381, 10005, 12505$
61	124	$n \equiv 1, 1953, 18849, \text{ or } 20801 \pmod{30256}$ except $n = 1953$
61	125	$n \equiv 1, 2501, 5125, \text{ or } 7625 \pmod{30500}$ except $n = 2501, 5125, 7625$
61	126	$n \equiv 1, 1953, 2745, 8785, 9577, 11529, 18361, \text{ or } 23913 \pmod{30744}$ except $n = 1953, 2745, 8785, 9577, 11529$
61	127	$n \equiv 1, 1525, 21717, \text{ or } 23241 \pmod{30988}$ except $n = 1525$
61	128	$n \equiv 1 \text{ or } 16897 \pmod{31232}$

Table 61: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 62$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
62	2	$n \equiv 1 \text{ or } 465 \pmod{496}$
62	3	$n \equiv 1, 217, 249, \text{ or } 465 \pmod{744}$ except $n = 217, 249$
62	4	$n \equiv 1 \text{ or } 961 \pmod{992}$
62	5	$n \equiv 1, 465, 745, \text{ or } 961 \pmod{1240}$ except $n = 465$
62	6	$n \equiv 1, 465, 961, \text{ or } 993 \pmod{1488}$ except $n = 465$
62	7	$n \equiv 1, 217, 497, \text{ or } 1457 \pmod{1736}$ except $n = 217, 497$
62	8	$n \equiv 1 \text{ or } 961 \pmod{1984}$ except $n = 961$
62	9	$n \equiv 1, 217, 1737, \text{ or } 1953 \pmod{2232}$ except $n = 217$
62	10	$n \equiv 1, 465, 961, \text{ or } 1985 \pmod{2480}$ except $n = 465, 961$
62	11	$n \equiv 1, 1705, 2201, \text{ or } 2233 \pmod{2728}$
62	12	$n \equiv 1, 961, 993, \text{ or } 1953 \pmod{2976}$ except $n = 961, 993$
62	13	$n \equiv 1, 1209, 1457, \text{ or } 2977 \pmod{3224}$ except $n = 1209, 1457$
62	14	$n \equiv 1, 497, 1457, \text{ or } 1953 \pmod{3472}$ except $n = 497, 1457$

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Table 61: Superspectra for  $p = 62$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
62	15	$n \equiv 1, 465, 745, 961, 1705, 2481, 3225, \text{ or } 3441 \pmod{3720}$ except $n = 465, 745, 961, 1705$
62	16	$n \equiv 1 \text{ or } 2945 \pmod{3968}$
62	17	$n \equiv 1, 1241, 2449, \text{ or } 3689 \pmod{4216}$ except $n = 1241$
62	18	$n \equiv 1, 1953, 2449, \text{ or } 3969 \pmod{4464}$ except $n = 1953$
62	19	$n \equiv 1, 2945, 3193, \text{ or } 4465 \pmod{4712}$
62	20	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{4960}$ except $n = 961, 1985$
62	21	$n \equiv 1, 217, 1737, 1953, 2233, 3193, 3969, \text{ or } 4929 \pmod{5208}$ except $n = 217, 1737, 1953, 2233$
62	22	$n \equiv 1, 4433, 4929, \text{ or } 4961 \pmod{5456}$
62	23	$n \equiv 1, 713, 2945, \text{ or } 3473 \pmod{5704}$ except $n = 713$
62	24	$n \equiv 1, 961, 3969, \text{ or } 4929 \pmod{5952}$ except $n = 961$
62	25	$n \equiv 1, 2201, 3225, \text{ or } 5425 \pmod{6200}$ except $n = 2201$
62	26	$n \equiv 1, 1457, 2977, \text{ or } 4433 \pmod{6448}$ except $n = 1457, 2977$
62	27	$n \equiv 1, 217, 3969, \text{ or } 4185 \pmod{6696}$ except $n = 217$
62	28	$n \equiv 1, 1953, 3969, \text{ or } 4929 \pmod{6944}$ except $n = 1953$
62	29	$n \equiv 1, 465, 2233, \text{ or } 2697 \pmod{7192}$ except $n = 465, 2233, 2697$
62	30	$n \equiv 1, 465, 961, 2481, 3441, 4465, 5425, \text{ or } 6945 \pmod{7440}$ except $n = 465, 961, 2481, 3441$
62	31	$n \equiv 1 \text{ or } 961 \pmod{7688}$ except $n = 961$
62	32	$n \equiv 1 \text{ or } 6913 \pmod{7936}$
62	33	$n \equiv 1, 1705, 2233, 4929, 5457, 7161, 7657, \text{ or } 7689 \pmod{8184}$ except $n = 1705, 2233$
62	34	$n \equiv 1, 2449, 5457, \text{ or } 7905 \pmod{8432}$ except $n = 2449$
62	35	$n \equiv 1, 5425, 5705, 6665, 6945, 7161, 7441, \text{ or } 8401 \pmod{8680}$
62	36	$n \equiv 1, 1953, 3969, \text{ or } 6913 \pmod{8928}$ except $n = 1953, 3969$
62	37	$n \equiv 1, 3441, 5921, \text{ or } 6697 \pmod{9176}$ except $n = 3441$

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Table 61: Superspectra for  $p = 62$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
62	38	$n \equiv 1, 2945, 4465, \text{ or } 7905 \pmod{9424}$ except $n = 2945, 4465$
62	39	$n \equiv 1, 1209, 2977, 3225, 4681, 6201, 7657, \text{ or } 7905 \pmod{9672}$ except $n = 1209, 2977, 3225, 4681$
62	40	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{9920}$ except $n = 961, 1985, 2945$
62	41	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{10168}$ except $n = 3937, 4961$
62	42	$n \equiv 1, 1953, 3969, 4929, 5425, 6945, 7441, \text{ or } 8401 \pmod{10416}$ except $n = 1953, 3969, 4929$
62	43	$n \equiv 1, 3225, 3441, \text{ or } 6665 \pmod{10664}$ except $n = 3225, 3441$
62	44	$n \equiv 1, 4929, 4961, \text{ or } 9889 \pmod{10912}$ except $n = 4929, 4961$
62	45	$n \equiv 1, 4185, 4465, 4681, 6201, 9145, 10665, \text{ or } 10881 \pmod{11160}$ except $n = 4185, 4465, 4681$
62	46	$n \equiv 1, 2945, 3473, \text{ or } 6417 \pmod{11408}$ except $n = 2945, 3473$
62	47	$n \equiv 1, 1457, 4465, \text{ or } 8649 \pmod{11656}$ except $n = 1457, 4465$
62	48	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{11904}$ except $n = 3969$
62	49	$n \equiv 1, 3969, 6665, \text{ or } 10633 \pmod{12152}$ except $n = 3969$
62	50	$n \equiv 1, 5425, 8401, \text{ or } 9425 \pmod{12400}$ except $n = 5425$
62	51	$n \equiv 1, 2449, 5457, 7905, 8433, 9673, 10881, \text{ or } 12121 \pmod{12648}$ except $n = 2449, 5457$
62	52	$n \equiv 1, 2977, 7905, \text{ or } 10881 \pmod{12896}$ except $n = 2977$
62	53	$n \equiv 1, 4929, 6201, \text{ or } 11873 \pmod{13144}$ except $n = 4929, 6201$
62	54	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{13392}$ except $n = 3969$
62	55	$n \equiv 1, 1705, 2201, 4961, 7161, 8185, 10385, \text{ or } 13145 \pmod{13640}$ except $n = 1705, 2201, 4961$
62	56	$n \equiv 1, 3969, 4929, \text{ or } 8897 \pmod{13888}$ except $n = 3969, 4929$
62	57	$n \equiv 1, 3193, 4465, 4713, 7657, 7905, 9177, \text{ or } 12369 \pmod{14136}$ except $n = 3193, 4465, 4713$
62	58	$n \equiv 1, 465, 9425, \text{ or } 9889 \pmod{14384}$ except $n = 465$

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Table 61: Superspectra for  $p = 62$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
62	59	$n \equiv 1, 9145, 10385, \text{ or } 13393 \pmod{14632}$
62	60	$n \equiv 1, 961, 6945, 7905, 9921, 10881, 11905, \text{ or } 12865 \pmod{14880}$ except $n = 961, 6945$
62	61	$n \equiv 1, 1953, 3721, \text{ or } 5673 \pmod{15128}$ except $n = 1953, 3721, 5673$
62	62	$n \equiv 1 \text{ or } 961 \pmod{15376}$ except $n = 961$
62	63	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 13609, \text{ or } 15345 \pmod{15624}$ except $n = 217, 1737, 1953, 2233, 3969$
62	64	$n \equiv 1 \text{ or } 14849 \pmod{15872}$
62	65	$n \equiv 1, 3225, 4681, 6201, 7905, 9425, 10881, \text{ or } 14105 \pmod{16120}$ except $n = 3225, 4681, 6201, 7905$
62	66	$n \equiv 1, 4929, 5457, 9889, 10417, 15345, 15841, \text{ or } 15873 \pmod{16368}$ except $n = 4929, 5457$
62	67	$n \equiv 1, 10385, 12865, \text{ or } 14137 \pmod{16616}$
62	68	$n \equiv 1, 7905, 10881, \text{ or } 13889 \pmod{16864}$ except $n = 7905$
62	69	$n \equiv 1, 6417, 8649, 9177, 11409, 12121, 14353, \text{ or } 14881 \pmod{17112}$ except $n = 6417$
62	70	$n \equiv 1, 5425, 6945, 7441, 8401, 14385, 15345, \text{ or } 15841 \pmod{17360}$ except $n = 5425, 6945, 7441, 8401$
62	71	$n \equiv 1, 497, 1705, \text{ or } 2201 \pmod{17608}$ except $n = 497, 1705, 2201$
62	72	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{17856}$ except $n = 3969, 6913$
62	73	$n \equiv 1, 1241, 14601, \text{ or } 15841 \pmod{18104}$ except $n = 1241$
62	74	$n \equiv 1, 3441, 5921, \text{ or } 15873 \pmod{18352}$ except $n = 3441, 5921$
62	75	$n \equiv 1, 3225, 5425, 6201, 8401, 11625, 14601, \text{ or } 15625 \pmod{18600}$ except $n = 3225, 5425, 6201, 8401$
62	76	$n \equiv 1, 2945, 7905, \text{ or } 13889 \pmod{18848}$ except $n = 2945, 7905$
62	77	$n \equiv 1, 2233, 4929, 7161, 10417, 10913, 15345, \text{ or } 15841 \pmod{19096}$ except $n = 2233, 4929, 7161$

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Table 61: Superspectra for  $p = 62$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
62	78	$n \equiv 1, 2977, 7905, 10881, 12897, 14353, 15873, \text{ or } 17329 \pmod{19344}$ except $n = 2977, 7905$
62	79	$n \equiv 1, 2449, 10665, \text{ or } 11377 \pmod{19592}$ except $n = 2449$
62	80	$n \equiv 1, 2945, 10881, \text{ or } 11905 \pmod{19840}$ except $n = 2945$
62	81	$n \equiv 1, 3969, 13609, \text{ or } 17577 \pmod{20088}$ except $n = 3969$
62	82	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{20336}$ except $n = 3937, 4961, 8897$
62	83	$n \equiv 1, 249, 12617, \text{ or } 12865 \pmod{20584}$ except $n = 249$
62	84	$n \equiv 1, 1953, 3969, 4929, 6945, 15841, 17857, \text{ or } 18817 \pmod{20832}$ except $n = 1953, 3969, 4929, 6945$
62	85	$n \equiv 1, 1241, 6665, 7905, 10881, 12121, 16865, \text{ or } 18105 \pmod{21080}$ except $n = 1241, 6665, 7905$
62	86	$n \equiv 1, 3441, 13889, \text{ or } 17329 \pmod{21328}$ except $n = 3441$
62	87	$n \equiv 1, 465, 2233, 2697, 7657, 9889, 14385, \text{ or } 16617 \pmod{21576}$ except $n = 465, 2233, 2697, 7657, 9889$
62	88	$n \equiv 1, 4929, 15873, \text{ or } 20801 \pmod{21824}$ except $n = 4929$
62	89	$n \equiv 1, 713, 18601, \text{ or } 19313 \pmod{22072}$ except $n = 713$
62	90	$n \equiv 1, 4465, 10881, 15345, 15841, 17361, 20305, \text{ or } 21825 \pmod{22320}$ except $n = 4465, 10881$
62	91	$n \equiv 1, 1457, 12649, 14105, 16121, 17577, 19097, \text{ or } 20553 \pmod{22568}$ except $n = 1457$
62	92	$n \equiv 1, 2945, 14881, \text{ or } 17825 \pmod{22816}$ except $n = 2945$
62	93	$n \equiv 1, 961, 7689, \text{ or } 8649 \pmod{23064}$ except $n = 961, 7689, 8649$
62	94	$n \equiv 1, 1457, 4465, \text{ or } 20305 \pmod{23312}$ except $n = 1457, 4465$
62	95	$n \equiv 1, 2945, 4465, 7905, 9425, 17081, 18601, \text{ or } 22041 \pmod{23560}$ except $n = 2945, 4465, 7905, 9425$
62	96	$n \equiv 1, 6913, 15873, \text{ or } 22785 \pmod{23808}$ except $n = 6913$
62	97	$n \equiv 1, 21049, 21825, \text{ or } 23281 \pmod{24056}$

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Table 61: Superspectra for  $p = 62$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
62	98	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{24304}$ except $n = 3969$
62	99	$n \equiv 1, 2233, 13113, 15345, 15841, 18073, 21825, \text{ or } 24057 \pmod{24552}$ except $n = 2233$
62	100	$n \equiv 1, 17825, 20801, \text{ or } 21825 \pmod{24800}$
62	101	$n \equiv 1, 9393, 12121, \text{ or } 22321 \pmod{25048}$ except $n = 9393, 12121$
62	102	$n \equiv 1, 2449, 5457, 7905, 8433, 10881, 22321, \text{ or } 24769 \pmod{25296}$ except $n = 2449, 5457, 7905, 8433, 10881$
62	103	$n \equiv 1, 3193, 9889, \text{ or } 18849 \pmod{25544}$ except $n = 3193, 9889$
62	104	$n \equiv 1, 10881, 15873, \text{ or } 20801 \pmod{25792}$ except $n = 10881$
62	105	$n \equiv 1, 5425, 6945, 7161, 7441, 8401, 14385, 15345, 15625,$ $15841, 17361, 22785, 23065, 24025, 24801, \text{ or } 25761 \pmod{26040}$ except $n = 5425, 6945, 7161, 7441, 8401$
62	106	$n \equiv 1, 4929, 11873, \text{ or } 19345 \pmod{26288}$ except $n = 4929, 11873$
62	107	$n \equiv 1, 5457, 11129, \text{ or } 16585 \pmod{26536}$ except $n = 5457, 11129$
62	108	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{26784}$ except $n = 3969, 6913, 10881$
62	109	$n \equiv 1, 10137, 17113, \text{ or } 20057 \pmod{27032}$ except $n = 10137$
62	110	$n \equiv 1, 4961, 10385, 15345, 15841, 20801, 21825, \text{ or } 26785 \pmod{27280}$ except $n = 4961, 10385$
62	111	$n \equiv 1, 3441, 6697, 9177, 15097, 15873, 21793, \text{ or } 24273 \pmod{27528}$ except $n = 3441, 6697, 9177$
62	112	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{27776}$ except $n = 3969$
62	113	$n \equiv 1, 5425, 19097, \text{ or } 24521 \pmod{28024}$ except $n = 5425$
62	114	$n \equiv 1, 4465, 7905, 12369, 17329, 18849, 21793, \text{ or } 23313 \pmod{28272}$ except $n = 4465, 7905, 12369$
62	115	$n \equiv 1, 2945, 5705, 12121, 14881, 17825, 20585, \text{ or } 25761 \pmod{28520}$ except $n = 2945, 5705, 12121$
62	116	$n \equiv 1, 9889, 14849, \text{ or } 23809 \pmod{28768}$ except $n = 9889$

*continued on next page*

Table 61: Superspectra for  $p = 62$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
62	117	$n \equiv 1, 4681, 6201, 10881, 12897, 17577, 22321, \text{ or } 27001 \pmod{29016}$ except $n = 4681, 6201, 10881, 12897$
62	118	$n \equiv 1, 10385, 13393, \text{ or } 23777 \pmod{29264}$ except $n = 10385, 13393$
62	119	$n \equiv 1, 3689, 6665, 12649, 13889, 19313, 20553, \text{ or } 26537 \pmod{29512}$ except $n = 3689, 6665, 12649, 13889$
62	120	$n \equiv 1, 961, 9921, 10881, 11905, 12865, 21825, \text{ or } 22785 \pmod{29760}$ except $n = 961, 9921, 10881, 11905, 12865$
62	121	$n \equiv 1, 4961, 21297, \text{ or } 26257 \pmod{30008}$ except $n = 4961$
62	122	$n \equiv 1, 1953, 18849, \text{ or } 20801 \pmod{30256}$ except $n = 1953$
62	123	$n \equiv 1, 3937, 15129, 19065, 20337, 24273, 25297, \text{ or } 29233 \pmod{30504}$ except $n = 3937, 15129$
62	124	$n \equiv 1 \text{ or } 961 \pmod{30752}$ except $n = 961$
62	125	$n \equiv 1, 11625, 15625, \text{ or } 27001 \pmod{31000}$ except $n = 11625$
62	126	$n \equiv 1, 1953, 3969, 15345, 15841, 17361, 17857, \text{ or } 29233 \pmod{31248}$ except $n = 1953, 3969, 15345$
62	127	$n \equiv 1, 3937, 9145, \text{ or } 26289 \pmod{31496}$ except $n = 3937, 9145$
62	128	$n \equiv 1 \text{ or } 30721 \pmod{31744}$

Table 62: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 63$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	2	$n \equiv 1, 217, 225, \text{ or } 441 \pmod{504}$ except $n = 217, 225$
63	3	$n \equiv 1, 189, 217, \text{ or } 729 \pmod{756}$ except $n = 189, 217$
63	4	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
63	5	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$

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Table 62: Superspectra for  $p = 63$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	6	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
63	7	$n \equiv 1, 441, 981, \text{ or } 1225 \pmod{1764}$ except $n = 441$
63	8	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
63	9	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{2268}$ except $n = 729, 973$
63	10	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
63	11	$n \equiv 1, 253, 441, 693, 1233, 1485, 1981, \text{ or } 2233 \pmod{2772}$ except $n = 253, 441, 693, 1233$
63	12	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
63	13	$n \equiv 1, 469, 729, 1197, 1261, 1729, 1989, \text{ or } 2457 \pmod{3276}$ except $n = 469, 729, 1197, 1261$
63	14	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
63	15	$n \equiv 1, 945, 1485, 1701, 2241, 2485, 3025, \text{ or } 3241 \pmod{3780}$ except $n = 945, 1485, 1701$
63	16	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
63	17	$n \equiv 1, 477, 1225, 1513, 1701, 1989, 2737, \text{ or } 3213 \pmod{4284}$ except $n = 477, 1225, 1513, 1701, 1989$
63	18	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
63	19	$n \equiv 1, 1197, 1729, 2205, 2737, 3249, 3781, \text{ or } 4257 \pmod{4788}$ except $n = 1197, 1729, 2205$
63	20	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
63	21	$n \equiv 1, 3969, 4509, \text{ or } 4753 \pmod{5292}$
63	22	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
63	23	$n \equiv 1, 253, 1197, 1449, 2485, 2737, 4509, \text{ or } 4761 \pmod{5796}$ except $n = 253, 1197, 1449, 2485, 2737$
63	24	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$

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Table 62: Superspectra for  $p = 63$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	25	$n \equiv 1, 225, 1225, 1701, 3025, 3501, 4501, \text{ or } 4725 \pmod{6300}$ except $n = 225, 1225, 1701, 3025$
63	26	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
63	27	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{6804}$ except $n = 729, 973, 1701$
63	28	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
63	29	$n \equiv 1, 2205, 2233, 3249, 3277, 5481, 6265, \text{ or } 6525 \pmod{7308}$ except $n = 2205, 2233, 3249, 3277$
63	30	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
63	31	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 5797, \text{ or } 7533 \pmod{7812}$ except $n = 217, 1737, 1953, 2233$
63	32	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
63	33	$n \equiv 1, 1485, 3025, 3213, 4753, 6237, 6777, \text{ or } 7777 \pmod{8316}$ except $n = 1485, 3025, 3213$
63	34	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
63	35	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2745, \text{ or } 8281 \pmod{8820}$ except $n = 441, 981, 1225, 1765, 2205, 2745$
63	36	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
63	37	$n \equiv 1, 2961, 2997, 3997, 4033, 6993, 8029, \text{ or } 8289 \pmod{9324}$ except $n = 2961, 2997, 3997, 4033$
63	38	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 8569 \pmod{9576}$ except $n = 1729, 2737, 3249, 4257$
63	39	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 7021, \text{ or } 7749 \pmod{9828}$ except $n = 729, 1729, 2457, 4537$
63	40	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$

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Table 62: Superspectra for  $p = 63$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	41	$n \equiv 1, 1477, 6273, 7749, 8037, 8569, 9513, \text{ or } 10045 \pmod{10332}$ except $n = 1477$
63	42	$n \equiv 1, 3969, 4753, \text{ or } 9801 \pmod{10584}$ except $n = 3969, 4753$
63	43	$n \equiv 1, 2709, 4257, 4473, 6021, 7525, 9073, \text{ or } 9289 \pmod{10836}$ except $n = 2709, 4257, 4473$
63	44	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
63	45	$n \equiv 1, 1701, 3241, 5265, 6805, 8505, 9801, \text{ or } 10045 \pmod{11340}$ except $n = 1701, 3241, 5265$
63	46	$n \equiv 1, 1449, 2737, 4761, 6049, 6993, 8281, \text{ or } 10305 \pmod{11592}$ except $n = 1449, 2737, 4761$
63	47	$n \equiv 1, 189, 2773, 2961, 5265, 6769, 8037, \text{ or } 9541 \pmod{11844}$ except $n = 189, 2773, 2961, 5265$
63	48	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
63	49	$n \equiv 1, 2745, 6517, \text{ or } 9261 \pmod{12348}$ except $n = 2745$
63	50	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
63	51	$n \equiv 1, 1513, 1701, 3213, 5509, 7021, 9045, \text{ or } 10557 \pmod{12852}$ except $n = 1513, 1701, 3213, 5509$
63	52	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
63	53	$n \equiv 1, 477, 1485, 8533, 9541, 10017, 11025, \text{ or } 12349 \pmod{13356}$ except $n = 477, 1485$
63	54	$n \equiv 1, 729, 7777, \text{ or } 8505 \pmod{13608}$ except $n = 729$
63	55	$n \equiv 1, 441, 1485, 1981, 3025, 3465, 4005, 5005, 5545,$ $5985, 7525, 9801, 11341, 11781, 12321, \text{ or } 13321 \pmod{13860}$ except $n = 441, 1485, 1981, 3025, 3465,$ $4005, 5005, 5545, 5985$
63	56	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$

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Table 62: Superspectra for  $p = 63$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	57	$n \equiv 1, 1729, 3781, 6993, 9045, 10773, 12313, \text{ or } 12825 \pmod{14364}$ except $n = 1729, 3781, 6993$
63	58	$n \equiv 1, 2233, 3249, 5481, 6265, 9513, 10585, \text{ or } 13833 \pmod{14616}$ except $n = 2233, 3249, 5481, 6265$
63	59	$n \equiv 1, 945, 2773, 3717, 4249, 7021, 11565, \text{ or } 14337 \pmod{14868}$ except $n = 945, 2773, 3717, 4249, 7021$
63	60	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
63	61	$n \equiv 1, 1953, 2745, 2989, 8541, 8785, 9577, \text{ or } 11529 \pmod{15372}$ except $n = 1953, 2745, 2989$
63	62	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 13609, \text{ or } 15345 \pmod{15624}$ except $n = 217, 1737, 1953, 2233, 3969$
63	63	$n \equiv 1, 3969, 9801, \text{ or } 10045 \pmod{15876}$ except $n = 3969$
63	64	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
63	65	$n \equiv 1, 1261, 3745, 4005, 5005, 5265, 7021, 7281, 8281,$ $8541, 11025, 12285, 13105, 14301, 14365, \text{ or } 15561 \pmod{16380}$ except $n = 1261, 3745, 4005, 5005, 5265, 7021, 7281$
63	66	$n \equiv 1, 3025, 4753, 6777, 7777, 9801, 11529, \text{ or } 14553 \pmod{16632}$ except $n = 3025, 4753, 6777, 7777$
63	67	$n \equiv 1, 469, 3753, 4221, 5293, 9045, 12061, \text{ or } 15813 \pmod{16884}$ except $n = 469, 3753, 4221, 5293$
63	68	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
63	69	$n \equiv 1, 2485, 4509, 6049, 6993, 8533, 10557, \text{ or } 13041 \pmod{17388}$ except $n = 2485, 4509, 6049, 6993, 8533$
63	70	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
63	71	$n \equiv 1, 1989, 2485, 4473, 5041, 7029, 15337, \text{ or } 17325 \pmod{17892}$ except $n = 1989, 2485, 4473, 5041, 7029$

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Table 62: Superspectra for  $p = 63$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	72	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
63	73	$n \equiv 1, 3213, 5257, 8541, 10585, 13797, 15841, \text{ or } 16353 \pmod{18396}$ except $n = 3213, 5257, 8541$
63	74	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 13321, \text{ or } 17353 \pmod{18648}$ except $n = 2961, 4033, 6993, 8289$
63	75	$n \equiv 1, 1701, 3025, 4725, 9801, 10801, 12825, \text{ or } 13825 \pmod{18900}$ except $n = 1701, 3025, 4725$
63	76	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 18145 \pmod{19152}$ except $n = 1729, 2737, 3249, 4257, 5985, 6993$
63	77	$n \equiv 1, 441, 4753, 9801, 14113, 14553, 15093, \text{ or } 18865 \pmod{19404}$ except $n = 441, 4753$
63	78	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 16849, \text{ or } 17577 \pmod{19656}$ except $n = 729, 1729, 2457, 4537, 5265$
63	79	$n \equiv 1, 4977, 5293, 8533, 11061, 13825, 16353, \text{ or } 19593 \pmod{19908}$ except $n = 4977, 5293, 8533$
63	80	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
63	81	$n \equiv 1, 729, 14581, \text{ or } 15309 \pmod{20412}$ except $n = 729$
63	82	$n \equiv 1, 6273, 8569, 9513, 11809, 18081, 18369, \text{ or } 20377 \pmod{20664}$ except $n = 6273, 8569, 9513$
63	83	$n \equiv 1, 2241, 2989, 5229, 9297, 12285, 13861, \text{ or } 16849 \pmod{20916}$ except $n = 2241, 2989, 5229, 9297$
63	84	$n \equiv 1, 3969, 4753, \text{ or } 20385 \pmod{21168}$ except $n = 3969, 4753$
63	85	$n \equiv 1, 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081,$ $11305, 11781, 14365, 14841, 16065, 18361, \text{ or } 19125 \pmod{21420}$ except $n = 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081$
63	86	$n \equiv 1, 4257, 4473, 9073, 9289, 13545, 16857, \text{ or } 18361 \pmod{21672}$ except $n = 4257, 4473, 9073, 9289$

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Table 62: Superspectra for  $p = 63$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	87	$n \equiv 1, 5481, 6265, 10557, 10585, 16821, 16849, \text{ or } 21141 \pmod{21924}$ except $n = 5481, 6265, 10557, 10585$
63	88	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
63	89	$n \equiv 1, 1513, 2493, 4005, 12817, 14329, 15309, \text{ or } 16821 \pmod{22428}$ except $n = 1513, 2493, 4005$
63	90	$n \equiv 1, 3241, 5265, 8505, 9801, 13041, 18145, \text{ or } 21385 \pmod{22680}$ except $n = 3241, 5265, 8505, 9801$
63	91	$n \equiv 1, 5733, 8281, 11025, 13573, 15093, 17641, \text{ or } 20385 \pmod{22932}$ except $n = 5733, 8281, 11025$
63	92	$n \equiv 1, 2737, 6049, 6993, 10305, 13041, 16353, \text{ or } 19873 \pmod{23184}$ except $n = 2737, 6049, 6993, 10305$
63	93	$n \equiv 1, 217, 3969, 7533, 10045, 13609, 17361, \text{ or } 17577 \pmod{23436}$ except $n = 217, 3969, 7533, 10045$
63	94	$n \equiv 1, 2961, 5265, 6769, 12033, 14617, 19881, \text{ or } 21385 \pmod{23688}$ except $n = 2961, 5265, 6769$
63	95	$n \equiv 1, 2205, 3781, 5985, 7525, 9045, 11305, 11781, 12825,$ $14365, 15561, 17101, 18145, 18621, 20881, \text{ or } 22401 \pmod{23940}$ except $n = 2205, 3781, 5985, 7525, 9045, 11305, 11781$
63	96	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
63	97	$n \equiv 1, 1261, 3493, 4753, 13581, 14841, 17073, \text{ or } 18333 \pmod{24444}$ except $n = 1261, 3493, 4753$
63	98	$n \equiv 1, 2745, 18865, \text{ or } 21609 \pmod{24696}$ except $n = 2745$
63	99	$n \equiv 1, 6237, 7777, 9801, 11341, 19845, 21385, \text{ or } 23409 \pmod{24948}$ except $n = 6237, 7777, 9801, 11341$
63	100	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
63	101	$n \equiv 1, 505, 7273, 7777, 11313, 11817, 18585, \text{ or } 19089 \pmod{25452}$ except $n = 505, 7273, 7777, 11313, 11817$

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Table 62: Superspectra for  $p = 63$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	102	$n \equiv 1, 1513, 14553, 16065, 18361, 19873, 21897, \text{ or } 23409 \pmod{25704}$ except $n = 1513$
63	103	$n \equiv 1, 721, 5769, 6489, 11845, 14833, 17613, \text{ or } 20601 \pmod{25956}$ except $n = 721, 5769, 6489, 11845$
63	104	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
63	105	$n \equiv 1, 9261, 9801, 10045, 10585, 19845, 20385, \text{ or } 25921 \pmod{26460}$ except $n = 9261, 9801, 10045, 10585$
63	106	$n \equiv 1, 10017, 11025, 13833, 14841, 21889, 22897, \text{ or } 25705 \pmod{26712}$ except $n = 10017, 11025$
63	107	$n \equiv 1, 2997, 3745, 6741, 11557, 14553, 19153, \text{ or } 22149 \pmod{26964}$ except $n = 2997, 3745, 6741, 11557$
63	108	$n \equiv 1, 7777, 14337, \text{ or } 22113 \pmod{27216}$ except $n = 7777$
63	109	$n \equiv 1, 981, 4033, 16569, 19621, 20601, 23653, \text{ or } 24417 \pmod{27468}$ except $n = 981, 4033$
63	110	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$
63	111	$n \equiv 1, 2997, 3997, 6993, 8289, 12285, 22681, \text{ or } 26677 \pmod{27972}$ except $n = 2997, 3997, 6993, 8289, 12285$
63	112	$n \equiv 1, 3969, 6273, \text{ or } 25921 \pmod{28224}$ except $n = 3969, 6273$
63	113	$n \equiv 1, 3277, 18081, 21357, 22149, 24409, 25425, \text{ or } 27685 \pmod{28476}$ except $n = 3277$
63	114	$n \equiv 1, 1729, 6993, 12313, 12825, 18145, 23409, \text{ or } 25137 \pmod{28728}$ except $n = 1729, 6993, 12313, 12825$
63	115	$n \equiv 1, 2485, 4761, 7245, 8281, 10305, 11845, 13041, 16101,$ $17641, 18585, 20125, 23185, 24381, 25921, \text{ or } 27945 \pmod{28980}$ except $n = 2485, 4761, 7245, 8281, 10305, 11845, 13041$

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Table 62: Superspectra for  $p = 63$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
63	116	$n \equiv 1, 3249, 16849, 20097, 20881, 24129, 25201, \text{ or } 28449 \pmod{29232}$ except $n = 3249$
63	117	$n \equiv 1, 729, 4537, 5265, 16849, 17577, 21385, \text{ or } 22113 \pmod{29484}$ except $n = 729, 4537, 5265$
63	118	$n \equiv 1, 945, 4249, 14337, 17641, 18585, 21889, \text{ or } 26433 \pmod{29736}$ except $n = 945, 4249, 14337$
63	119	$n \equiv 1, 1225, 6273, 7497, 13329, 14553, 22933, \text{ or } 24157 \pmod{29988}$ except $n = 1225, 6273, 7497, 13329, 14553$
63	120	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$
63	121	$n \equiv 1, 3025, 6777, 9801, 13069, 16093, 19845, \text{ or } 22869 \pmod{30492}$ except $n = 3025, 6777, 9801, 13069$
63	122	$n \equiv 1, 1953, 2745, 8785, 9577, 11529, 18361, \text{ or } 23913 \pmod{30744}$ except $n = 1953, 2745, 8785, 9577, 11529$
63	123	$n \equiv 1, 7749, 10045, 16605, 18901, 19845, 22141, \text{ or } 28701 \pmod{30996}$ except $n = 7749, 10045$
63	124	$n \equiv 1, 1953, 3969, 15345, 15841, 17361, 17857, \text{ or } 29233 \pmod{31248}$ except $n = 1953, 3969, 15345$
63	125	$n \equiv 1, 3501, 4501, 8001, 15625, 19125, 20125, \text{ or } 23625 \pmod{31500}$ except $n = 3501, 4501, 8001, 15625$
63	126	$n \equiv 1, 3969, 9801, \text{ or } 25921 \pmod{31752}$ except $n = 3969, 9801$
63	127	$n \equiv 1, 8001, 11557, 12573, 16129, 23877, 27433, \text{ or } 28449 \pmod{32004}$ except $n = 8001, 11557, 12573$
63	128	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{32256}$ except $n = 13825, 14337$



Table 63: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 64$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
64	2	$n \equiv 1 \pmod{512}$
64	3	$n \equiv 1$ or $513 \pmod{768}$
64	4	$n \equiv 1 \pmod{1024}$
64	5	$n \equiv 1$ or $1025 \pmod{1280}$
64	6	$n \equiv 1$ or $513 \pmod{1536}$ except $n = 513$
64	7	$n \equiv 1$ or $1281 \pmod{1792}$
64	8	$n \equiv 1 \pmod{2048}$
64	9	$n \equiv 1$ or $513 \pmod{2304}$ except $n = 513$
64	10	$n \equiv 1$ or $1025 \pmod{2560}$ except $n = 1025$
64	11	$n \equiv 1$ or $1793 \pmod{2816}$
64	12	$n \equiv 1$ or $2049 \pmod{3072}$
64	13	$n \equiv 1$ or $2561 \pmod{3328}$
64	14	$n \equiv 1$ or $3073 \pmod{3584}$
64	15	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
64	16	$n \equiv 1 \pmod{4096}$
64	17	$n \equiv 1$ or $4097 \pmod{4352}$
64	18	$n \equiv 1$ or $513 \pmod{4608}$ except $n = 513$
64	19	$n \equiv 1$ or $513 \pmod{4864}$ except $n = 513$
64	20	$n \equiv 1$ or $1025 \pmod{5120}$ except $n = 1025$
64	21	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
64	22	$n \equiv 1$ or $4609 \pmod{5632}$
64	23	$n \equiv 1$ or $3841 \pmod{5888}$
64	24	$n \equiv 1$ or $2049 \pmod{6144}$ except $n = 2049$
64	25	$n \equiv 1$ or $1025 \pmod{6400}$ except $n = 1025$
64	26	$n \equiv 1$ or $2561 \pmod{6656}$ except $n = 2561$

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Table 63: Superspectra for  $p = 64$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
64	27	$n \equiv 1$ or $513 \pmod{6912}$ except $n = 513$
64	28	$n \equiv 1$ or $3073 \pmod{7168}$ except $n = 3073$
64	29	$n \equiv 1$ or $1537 \pmod{7424}$ except $n = 1537$
64	30	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
64	31	$n \equiv 1$ or $6913 \pmod{7936}$
64	32	$n \equiv 1 \pmod{8192}$
64	33	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
64	34	$n \equiv 1$ or $4097 \pmod{8704}$ except $n = 4097$
64	35	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
64	36	$n \equiv 1$ or $5121 \pmod{9216}$
64	37	$n \equiv 1$ or $6401 \pmod{9472}$
64	38	$n \equiv 1$ or $513 \pmod{9728}$ except $n = 513$
64	39	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
64	40	$n \equiv 1$ or $6145 \pmod{10240}$
64	41	$n \equiv 1$ or $1025 \pmod{10496}$ except $n = 1025$
64	42	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$
64	43	$n \equiv 1$ or $5633 \pmod{11008}$
64	44	$n \equiv 1$ or $10241 \pmod{11264}$
64	45	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
64	46	$n \equiv 1$ or $9729 \pmod{11776}$
64	47	$n \equiv 1$ or $9729 \pmod{12032}$
64	48	$n \equiv 1$ or $8193 \pmod{12288}$
64	49	$n \equiv 1$ or $10241 \pmod{12544}$
64	50	$n \equiv 1$ or $1025 \pmod{12800}$ except $n = 1025$
64	51	$n \equiv 1, 4353, 8449, \text{ or } 12801 \pmod{13056}$ except $n = 4353$

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Table 63: Superspectra for  $p = 64$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
64	52	$n \equiv 1$ or $9217 \pmod{13312}$
64	53	$n \equiv 1$ or $1537 \pmod{13568}$ except $n = 1537$
64	54	$n \equiv 1$ or $513 \pmod{13824}$ except $n = 513$
64	55	$n \equiv 1, 7425, 10241, \text{ or } 11265 \pmod{14080}$
64	56	$n \equiv 1$ or $10241 \pmod{14336}$
64	57	$n \equiv 1, 513, 5377, \text{ or } 9729 \pmod{14592}$ except $n = 513, 5377$
64	58	$n \equiv 1$ or $1537 \pmod{14848}$ except $n = 1537$
64	59	$n \equiv 1$ or $14337 \pmod{15104}$
64	60	$n \equiv 1, 5121, 6145, \text{ or } 11265 \pmod{15360}$ except $n = 5121, 6145$
64	61	$n \equiv 1$ or $1281 \pmod{15616}$ except $n = 1281$
64	62	$n \equiv 1$ or $14849 \pmod{15872}$
64	63	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
64	64	$n \equiv 1 \pmod{16384}$
64	65	$n \equiv 1, 2561, 9985, \text{ or } 12545 \pmod{16640}$ except $n = 2561$
64	66	$n \equiv 1, 4609, 11265, \text{ or } 15873 \pmod{16896}$ except $n = 4609$
64	67	$n \equiv 1$ or $7169 \pmod{17152}$ except $n = 7169$
64	68	$n \equiv 1$ or $4097 \pmod{17408}$ except $n = 4097$
64	69	$n \equiv 1, 3841, 5889, \text{ or } 9729 \pmod{17664}$ except $n = 3841, 5889$
64	70	$n \equiv 1, 3585, 10241, \text{ or } 13825 \pmod{17920}$ except $n = 3585$
64	71	$n \equiv 1$ or $8449 \pmod{18176}$ except $n = 8449$
64	72	$n \equiv 1$ or $14337 \pmod{18432}$
64	73	$n \equiv 1$ or $18177 \pmod{18688}$
64	74	$n \equiv 1$ or $15873 \pmod{18944}$
64	75	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
64	76	$n \equiv 1$ or $10241 \pmod{19456}$

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Table 63: Superspectra for  $p = 64$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
64	77	$n \equiv 1, 1793, 8449, \text{ or } 10241 \pmod{19712}$ except $n = 1793, 8449$
64	78	$n \equiv 1, 6657, 9217, \text{ or } 15873 \pmod{19968}$ except $n = 6657, 9217$
64	79	$n \equiv 1 \text{ or } 13825 \pmod{20224}$
64	80	$n \equiv 1 \text{ or } 16385 \pmod{20480}$
64	81	$n \equiv 1 \text{ or } 14337 \pmod{20736}$
64	82	$n \equiv 1 \text{ or } 1025 \pmod{20992}$ except $n = 1025$
64	83	$n \equiv 1 \text{ or } 18177 \pmod{21248}$
64	84	$n \equiv 1, 3073, 14337, \text{ or } 17409 \pmod{21504}$ except $n = 3073$
64	85	$n \equiv 1, 8705, 12801, \text{ or } 21505 \pmod{21760}$ except $n = 8705$
64	86	$n \equiv 1 \text{ or } 5633 \pmod{22016}$ except $n = 5633$
64	87	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{22272}$ except $n = 1537, 7425, 8961$
64	88	$n \equiv 1 \text{ or } 10241 \pmod{22528}$ except $n = 10241$
64	89	$n \equiv 1 \text{ or } 20737 \pmod{22784}$
64	90	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$
64	91	$n \equiv 1, 6657, 12545, \text{ or } 19201 \pmod{23296}$ except $n = 6657$
64	92	$n \equiv 1 \text{ or } 21505 \pmod{23552}$
64	93	$n \equiv 1, 6913, 15873, \text{ or } 22785 \pmod{23808}$ except $n = 6913$
64	94	$n \equiv 1 \text{ or } 9729 \pmod{24064}$ except $n = 9729$
64	95	$n \equiv 1, 4865, 10241, \text{ or } 15105 \pmod{24320}$ except $n = 4865, 10241$
64	96	$n \equiv 1 \text{ or } 8193 \pmod{24576}$ except $n = 8193$
64	97	$n \equiv 1 \text{ or } 15617 \pmod{24832}$
64	98	$n \equiv 1 \text{ or } 10241 \pmod{25088}$ except $n = 10241$
64	99	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{25344}$ except $n = 2817, 4609, 7425$
64	100	$n \equiv 1 \text{ or } 1025 \pmod{25600}$ except $n = 1025$
64	101	$n \equiv 1 \text{ or } 11009 \pmod{25856}$ except $n = 11009$

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Table 63: Superspectra for  $p = 64$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
64	102	$n \equiv 1, 12801, 17409, \text{ or } 21505 \pmod{26112}$ except $n = 12801$
64	103	$n \equiv 1 \text{ or } 8961 \pmod{26368}$ except $n = 8961$
64	104	$n \equiv 1 \text{ or } 22529 \pmod{26624}$
64	105	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
64	106	$n \equiv 1 \text{ or } 1537 \pmod{27136}$ except $n = 1537$
64	107	$n \equiv 1 \text{ or } 7169 \pmod{27392}$ except $n = 7169$
64	108	$n \equiv 1 \text{ or } 14337 \pmod{27648}$
64	109	$n \equiv 1 \text{ or } 11009 \pmod{27904}$ except $n = 11009$
64	110	$n \equiv 1, 10241, 11265, \text{ or } 21505 \pmod{28160}$ except $n = 10241, 11265$
64	111	$n \equiv 1, 15873, 18945, \text{ or } 25345 \pmod{28416}$
64	112	$n \equiv 1 \text{ or } 24577 \pmod{28672}$
64	113	$n \equiv 1 \text{ or } 16385 \pmod{28928}$
64	114	$n \equiv 1, 513, 9729, \text{ or } 19969 \pmod{29184}$ except $n = 513, 9729$
64	115	$n \equiv 1, 3841, 17665, \text{ or } 21505 \pmod{29440}$ except $n = 3841$
64	116	$n \equiv 1 \text{ or } 16385 \pmod{29696}$
64	117	$n \equiv 1, 9217, 16641, \text{ or } 25857 \pmod{29952}$ except $n = 9217$
64	118	$n \equiv 1 \text{ or } 14337 \pmod{30208}$ except $n = 14337$
64	119	$n \equiv 1, 8449, 17409, \text{ or } 21505 \pmod{30464}$ except $n = 8449$
64	120	$n \equiv 1, 6145, 20481, \text{ or } 26625 \pmod{30720}$ except $n = 6145$
64	121	$n \equiv 1 \text{ or } 24321 \pmod{30976}$
64	122	$n \equiv 1 \text{ or } 16897 \pmod{31232}$
64	123	$n \equiv 1, 10497, 11521, \text{ or } 22017 \pmod{31488}$ except $n = 10497, 11521$
64	124	$n \equiv 1 \text{ or } 30721 \pmod{31744}$
64	125	$n \equiv 1 \text{ or } 26625 \pmod{32000}$
64	126	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{32256}$ except $n = 13825, 14337$

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Table 63: Superspectra for  $p = 64$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
64	127	$n \equiv 1$ or $16129 \pmod{32512}$ except $n = 16129$
64	128	$n \equiv 1 \pmod{32768}$

Table 64: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 65$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	2	$n \equiv 1, 65, 105, \text{ or } 481 \pmod{520}$ except $n = 65, 105$
65	3	$n \equiv 1, 105, 261, 325, 481, 585, 625, \text{ or } 741 \pmod{780}$ except $n = 105, 261, 325$
65	4	$n \equiv 1, 65, 481, \text{ or } 625 \pmod{1040}$ except $n = 65, 481$
65	5	$n \equiv 1, 325, 625, \text{ or } 1001 \pmod{1300}$ except $n = 325, 625$
65	6	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
65	7	$n \equiv 1, 105, 365, 1001, 1261, 1365, 1561, \text{ or } 1625 \pmod{1820}$ except $n = 105, 365$
65	8	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
65	9	$n \equiv 1, 261, 325, 585, 1261, 1405, 1521, \text{ or } 1665 \pmod{2340}$ except $n = 261, 325, 585$
65	10	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{2600}$ except $n = 625, 1001$
65	11	$n \equiv 1, 221, 781, 1001, 1145, 1365, 1925, \text{ or } 2145 \pmod{2860}$ except $n = 221, 781, 1001, 1145, 1365$
65	12	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
65	13	$n \equiv 1, 845, 1521, \text{ or } 2705 \pmod{3380}$ except $n = 845, 1521$
65	14	$n \equiv 1, 105, 1001, 1561, 1625, 2185, 3081, \text{ or } 3185 \pmod{3640}$ except $n = 105, 1001, 1561, 1625$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	15	$n \equiv 1, 325, 625, 2301, 2601, 2925, 3225, \text{ or } 3601 \pmod{3900}$ except $n = 325, 625$
65	16	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
65	17	$n \equiv 1, 221, 885, 1105, 2041, 2601, 2925, \text{ or } 3485 \pmod{4420}$ except $n = 221, 885, 1105, 2041$
65	18	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
65	19	$n \equiv 1, 741, 1521, 2185, 2965, 3705, 4161, \text{ or } 4485 \pmod{4940}$ except $n = 741, 1521, 2185$
65	20	$n \equiv 1, 625, 3601, \text{ or } 4225 \pmod{5200}$ except $n = 625$
65	21	$n \equiv 1, 105, 1261, 1365, 1561, 1821, 2185, 2821, 3081,$ $3381, 3445, 3745, 4005, 4641, 5005, \text{ or } 5265 \pmod{5460}$ except $n = 105, 1261, 1365, 1561, 1821, 2185$
65	22	$n \equiv 1, 1001, 1145, 2145, 3081, 3641, 4225, \text{ or } 4785 \pmod{5720}$ except $n = 1001, 1145, 2145$
65	23	$n \equiv 1, 1105, 2185, 2301, 3381, 4485, 4785, \text{ or } 5681 \pmod{5980}$ except $n = 1105, 2185, 2301$
65	24	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
65	25	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{6500}$ except $n = 625, 1001, 1625$
65	26	$n \equiv 1, 1521, 2705, \text{ or } 4225 \pmod{6760}$ except $n = 1521, 2705$
65	27	$n \equiv 1, 325, 1405, 3861, 4941, 5265, 5941, \text{ or } 6345 \pmod{7020}$ except $n = 325, 1405$
65	28	$n \equiv 1, 3185, 3745, 4641, 5201, 5265, 5825, \text{ or } 6721 \pmod{7280}$ except $n = 3185$
65	29	$n \equiv 1, 261, 1625, 1885, 4525, 4641, 4785, \text{ or } 4901 \pmod{7540}$ except $n = 261, 1625, 1885$
65	30	$n \equiv 1, 625, 2601, 3225, 3601, 4225, 6201, \text{ or } 6825 \pmod{7800}$ except $n = 625, 2601, 3225, 3601$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	31	$n \equiv 1, 1365, 2821, 3225, 4681, 6045, 6201, \text{ or } 7905 \pmod{8060}$ except $n = 1365, 2821, 3225$
65	32	$n \equiv 1, 1665, 2561, \text{ or } 4225 \pmod{8320}$ except $n = 1665, 2561$
65	33	$n \equiv 1, 781, 1365, 2145, 3081, 3861, 4005, 4225, 4785,$ $5005, 5721, 5941, 6501, 6721, 6865, \text{ or } 7645 \pmod{8580}$ except $n = 781, 1365, 2145, 3081, 3861, 4005, 4225$
65	34	$n \equiv 1, 1105, 2041, 2601, 4641, 5305, 7345, \text{ or } 7905 \pmod{8840}$ except $n = 1105, 2041, 2601$
65	35	$n \equiv 1, 1001, 1625, 1925, 4901, 5201, 5825, \text{ or } 6825 \pmod{9100}$ except $n = 1001, 1625, 1925$
65	36	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
65	37	$n \equiv 1, 481, 741, 1665, 1925, 2405, 2665, \text{ or } 9361 \pmod{9620}$ except $n = 481, 741, 1665, 1925, 2405, 2665$
65	38	$n \equiv 1, 1521, 2185, 3705, 4161, 5681, 7905, \text{ or } 9425 \pmod{9880}$ except $n = 1521, 2185, 3705, 4161$
65	39	$n \equiv 1, 1521, 3381, 4225, 6085, 7605, 8281, \text{ or } 9465 \pmod{10140}$ except $n = 1521, 3381, 4225$
65	40	$n \equiv 1, 4225, 5825, \text{ or } 8801 \pmod{10400}$ except $n = 4225$
65	41	$n \equiv 1, 2665, 3445, 3485, 4265, 9061, 9841, \text{ or } 9881 \pmod{10660}$ except $n = 2665, 3445, 3485, 4265$
65	42	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
65	43	$n \equiv 1, 2925, 3225, 5161, 5461, 8385, 8945, \text{ or } 10621 \pmod{11180}$ except $n = 2925, 3225, 5161, 5461$
65	44	$n \equiv 1, 2145, 4225, 4785, 6721, 6865, 8801, \text{ or } 9361 \pmod{11440}$ except $n = 2145, 4225, 4785$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	45	$n \equiv 1, 325, 2601, 2925, 3601, 6201, 8425, \text{ or } 11025 \pmod{11700}$ except $n = 325, 2601, 2925, 3601$
65	46	$n \equiv 1, 1105, 2185, 4785, 5681, 8281, 9361, \text{ or } 10465 \pmod{11960}$ except $n = 1105, 2185, 4785, 5681$
65	47	$n \equiv 1, 2445, 2821, 3901, 5265, 6345, 6721, \text{ or } 9165 \pmod{12220}$ except $n = 2445, 2821, 3901, 5265$
65	48	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
65	49	$n \equiv 1, 3185, 3381, 4901, 7645, 8281, 11025, \text{ or } 12545 \pmod{12740}$ except $n = 3185, 3381, 4901$
65	50	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{13000}$ except $n = 625, 1001, 1625$
65	51	$n \equiv 1, 885, 1105, 2041, 2601, 2925, 4641, 5305, 7021,$ $7345, 7905, 8841, 9061, 9945, 10881, \text{ or } 12325 \pmod{13260}$ except $n = 885, 1105, 2041, 2601, 2925, 4641, 5305$
65	52	$n \equiv 1, 1521, 2705, \text{ or } 4225 \pmod{13520}$ except $n = 1521, 2705, 4225$
65	53	$n \equiv 1, 3445, 5565, 6201, 8321, 8905, 11025, \text{ or } 11661 \pmod{13780}$ except $n = 3445, 5565, 6201$
65	54	$n \equiv 1, 5265, 6345, 7345, 8425, 10881, 11961, \text{ or } 12961 \pmod{14040}$ except $n = 5265, 6345$
65	55	$n \equiv 1, 1001, 1925, 4225, 6501, 8801, 9725, \text{ or } 10725 \pmod{14300}$ except $n = 1001, 1925, 4225, 6501$
65	56	$n \equiv 1, 3745, 4641, 5825, 6721, 10465, 12481, \text{ or } 12545 \pmod{14560}$ except $n = 3745, 4641, 5825, 6721$
65	57	$n \equiv 1, 741, 1521, 2185, 2965, 3705, 4161, 4485, 4941,$ $7125, 7905, 10621, 11401, 13585, 14041, \text{ or } 14365 \pmod{14820}$ except $n = 741, 1521, 2185, 2965, 3705,$ $4161, 4485, 4941, 7125$
65	58	$n \equiv 1, 1625, 4641, 4785, 7801, 9425, 12065, \text{ or } 12441 \pmod{15080}$ except $n = 1625, 4641, 4785$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	59	$n \equiv 1, 885, 2301, 4485, 7021, 9205, 10621, \text{ or } 11505 \pmod{15340}$ except $n = 885, 2301, 4485, 7021$
65	60	$n \equiv 1, 625, 3601, 4225, 10401, 11025, 14001, \text{ or } 14625 \pmod{15600}$ except $n = 625, 3601, 4225$
65	61	$n \equiv 1, 3965, 4941, 6345, 8541, 11285, 13481, \text{ or } 14885 \pmod{15860}$ except $n = 3965, 4941, 6345$
65	62	$n \equiv 1, 3225, 4681, 6201, 7905, 9425, 10881, \text{ or } 14105 \pmod{16120}$ except $n = 3225, 4681, 6201, 7905$
65	63	$n \equiv 1, 1261, 3745, 4005, 5005, 5265, 7021, 7281, 8281,$ $8541, 11025, 12285, 13105, 14301, 14365, \text{ or } 15561 \pmod{16380}$ except $n = 1261, 3745, 4005, 5005, 5265, 7021, 7281$
65	64	$n \equiv 1, 2561, 9985, \text{ or } 12545 \pmod{16640}$ except $n = 2561$
65	65	$n \equiv 1, 4225, 4901, \text{ or } 16225 \pmod{16900}$ except $n = 4225, 4901$
65	66	$n \equiv 1, 2145, 3081, 4225, 4785, 5721, 6721, 6865, 9361,$ $9945, 12441, 12585, 13585, 14521, 15081, \text{ or } 16225 \pmod{17160}$ except $n = 2145, 3081, 4225, 4785, 5721, 6721, 6865$
65	67	$n \equiv 1, 2145, 3485, 9581, 10921, 13065, 14405, \text{ or } 16081 \pmod{17420}$ except $n = 2145, 3485$
65	68	$n \equiv 1, 1105, 4641, 7345, 7905, 10881, 11441, \text{ or } 14145 \pmod{17680}$ except $n = 1105, 4641, 7345, 7905$
65	69	$n \equiv 1, 1105, 2185, 2301, 3381, 4485, 4785, 8281, 9361,$ $10465, 10765, 11661, 11961, 13065, 14145, \text{ or } 17641 \pmod{17940}$ except $n = 1105, 2185, 2301, 3381, 4485, 4785, 8281$
65	70	$n \equiv 1, 1001, 1625, 5201, 5825, 6825, 11025, \text{ or } 14001 \pmod{18200}$ except $n = 1001, 1625, 5201, 5825, 6825$
65	71	$n \equiv 1, 781, 5681, 6461, 7385, 8165, 13065, \text{ or } 13845 \pmod{18460}$ except $n = 781, 5681, 6461, 7385, 8165$
65	72	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	73	$n \equiv 1, 365, 585, 4161, 4381, 4745, 8541, \text{ or } 15185 \pmod{18980}$ except $n = 365, 585, 4161, 4381, 4745, 8541$
65	74	$n \equiv 1, 481, 1665, 2665, 9361, 10361, 11545, \text{ or } 12025 \pmod{19240}$ except $n = 481, 1665, 2665, 9361$
65	75	$n \equiv 1, 625, 6501, 7125, 7501, 8125, 14001, \text{ or } 14625 \pmod{19500}$ except $n = 625, 6501, 7125, 7501, 8125$
65	76	$n \equiv 1, 1521, 4161, 5681, 7905, 9425, 12065, \text{ or } 13585 \pmod{19760}$ except $n = 1521, 4161, 5681, 7905, 9425$
65	77	$n \equiv 1, 1001, 1365, 1925, 3081, 3641, 4005, 5005, 6721,$ $7085, 7645, 10725, 14301, 17381, 17941, \text{ or } 18305 \pmod{20020}$ except $n = 1001, 1365, 1925, 3081, 3641,$ $4005, 5005, 6721, 7085, 7645$
65	78	$n \equiv 1, 1521, 4225, 8281, 9465, 13521, 16225, \text{ or } 17745 \pmod{20280}$ except $n = 1521, 4225, 8281, 9465$
65	79	$n \equiv 1, 3081, 6241, 9165, 12325, 15405, 17381, \text{ or } 18565 \pmod{20540}$ except $n = 3081, 6241, 9165$
65	80	$n \equiv 1, 4225, 5825, \text{ or } 19201 \pmod{20800}$ except $n = 4225, 5825$
65	81	$n \equiv 1, 325, 4941, 5265, 8425, 12961, 13365, \text{ or } 17901 \pmod{21060}$ except $n = 325, 4941, 5265, 8425$
65	82	$n \equiv 1, 2665, 4265, 9841, 9881, 14105, 14145, \text{ or } 19721 \pmod{21320}$ except $n = 2665, 4265, 9841, 9881$
65	83	$n \equiv 1, 3901, 12285, 16185, 16601, 17265, 20501, \text{ or } 21165 \pmod{21580}$ except $n = 3901$
65	84	$n \equiv 1, 3745, 4641, 5265, 6721, 7281, 10465, 11025, 12481,$ $13105, 14001, 17745, 19201, 19761, 19825, \text{ or } 20385 \pmod{21840}$ except $n = 3745, 4641, 5265, 6721, 7281, 10465$
65	85	$n \equiv 1, 2601, 2925, 5525, 9725, 12325, 15301, \text{ or } 17901 \pmod{22100}$ except $n = 2601, 2925, 5525, 9725$
65	86	$n \equiv 1, 3225, 5161, 8385, 8945, 14105, 16641, \text{ or } 21801 \pmod{22360}$ except $n = 3225, 5161, 8385, 8945$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	87	$n \equiv 1, 261, 1885, 4525, 4641, 4785, 7801, 9165, 12181,$ $12325, 12441, 15081, 16705, 16965, 19605, \text{ or } 19981 \pmod{22620}$ except $n = 261, 1885, 4525, 4641, 4785, 7801, 9165$
65	88	$n \equiv 1, 2145, 4225, 6721, 8801, 16225, 18305, \text{ or } 20801 \pmod{22880}$ except $n = 2145, 4225, 6721, 8801$
65	89	$n \equiv 1, 1781, 4005, 5785, 13261, 13885, 15041, \text{ or } 15665 \pmod{23140}$ except $n = 1781, 4005, 5785$
65	90	$n \equiv 1, 2601, 3601, 6201, 8425, 11025, 12025, \text{ or } 14625 \pmod{23400}$ except $n = 2601, 3601, 6201, 8425, 11025$
65	91	$n \equiv 1, 3381, 4901, 8281, 9465, 12845, 14365, \text{ or } 17745 \pmod{23660}$ except $n = 3381, 4901, 8281, 9465$
65	92	$n \equiv 1, 1105, 4785, 5681, 9361, 10465, 14145, \text{ or } 20241 \pmod{23920}$ except $n = 1105, 4785, 5681, 9361, 10465$
65	93	$n \equiv 1, 1365, 2821, 3225, 4681, 6045, 6201, 7905, 8061,$ $10881, 12741, 17485, 19345, 22165, 22321, \text{ or } 24025 \pmod{24180}$ except $n = 1365, 2821, 3225, 4681, 6045,$ $6201, 7905, 8061, 10881$
65	94	$n \equiv 1, 5265, 6345, 6721, 14665, 15041, 16121, \text{ or } 21385 \pmod{24440}$ except $n = 5265, 6345, 6721$
65	95	$n \equiv 1, 7125, 9101, 9425, 11401, 18525, 20501, \text{ or } 22725 \pmod{24700}$ except $n = 7125, 9101, 9425, 11401$
65	96	$n \equiv 1, 1665, 4225, 9985, 10881, 16641, 19201, \text{ or } 20865 \pmod{24960}$ except $n = 1665, 4225, 9985, 10881$
65	97	$n \equiv 1, 1261, 5045, 6305, 7761, 12805, 18721, \text{ or } 23765 \pmod{25220}$ except $n = 1261, 5045, 6305, 7761$
65	98	$n \equiv 1, 3185, 8281, 11025, 12545, 16121, 17641, \text{ or } 20385 \pmod{25480}$ except $n = 3185, 8281, 11025, 12545$
65	99	$n \equiv 1, 3861, 4005, 5005, 5941, 9361, 9945, 13365, 14301,$ $15301, 15445, 19305, 20241, 21385, 23661, \text{ or } 24805 \pmod{25740}$ except $n = 3861, 4005, 5005, 5941, 9361, 9945$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	100	$n \equiv 1, 625, 14001, \text{ or } 14625 \pmod{26000}$ except $n = 625$
65	101	$n \equiv 1, 6565, 10101, 10505, 12221, 20605, 22321, \text{ or } 22725 \pmod{26260}$ except $n = 6565, 10101, 10505, 12221$
65	102	$n \equiv 1, 1105, 2041, 2601, 4641, 5305, 7345, 7905, 8841,$ $9945, 10881, 14145, 16185, 20281, 22321, \text{ or } 25585 \pmod{26520}$ except $n = 1105, 2041, 2601, 4641, 5305,$ $7345, 7905, 8841, 9945, 10881$
65	103	$n \equiv 1, 4121, 15965, 20085, 21321, 21425, 25441, \text{ or } 25545 \pmod{26780}$ except $n = 4121$
65	104	$n \equiv 1, 4225, 15041, \text{ or } 16225 \pmod{27040}$ except $n = 4225$
65	105	$n \equiv 1, 6825, 10101, 10725, 11025, 14001, 14301, 14925, 15925,$ $18201, 19201, 19825, 20125, 23101, 23401, \text{ or } 24025 \pmod{27300}$ except $n = 6825, 10101, 10725, 11025$
65	106	$n \equiv 1, 6201, 8321, 8905, 11025, 17225, 19345, \text{ or } 25441 \pmod{27560}$ except $n = 6201, 8321, 8905, 11025$
65	107	$n \equiv 1, 3745, 5565, 15301, 17121, 20865, 22685, \text{ or } 26001 \pmod{27820}$ except $n = 3745, 5565$
65	108	$n \equiv 1, 5265, 7345, 10881, 12961, 20385, 22465, \text{ or } 26001 \pmod{28080}$ except $n = 5265, 7345, 10881, 12961$
65	109	$n \equiv 1, 7085, 10465, 13625, 17005, 18421, 21801, \text{ or } 24961 \pmod{28340}$ except $n = 7085, 10465, 13625$
65	110	$n \equiv 1, 1001, 4225, 8801, 16225, 20801, 24025, \text{ or } 25025 \pmod{28600}$ except $n = 1001, 4225, 8801$
65	111	$n \equiv 1, 481, 741, 1665, 2665, 9361, 9621, 10101, 11545,$ $12025, 12285, 18981, 19981, 20905, 21165, \text{ or } 21645 \pmod{28860}$ except $n = 481, 741, 1665, 2665, 9361,$ $9621, 10101, 11545, 12025, 12285$
65	112	$n \equiv 1, 5825, 6721, 12481, 12545, 18305, 19201, \text{ or } 25025 \pmod{29120}$ except $n = 5825, 6721, 12481, 12545$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	113	$n \equiv 1, 7345, 9945, 13221, 15821, 20905, 23505, \text{ or } 26781 \pmod{29380}$ except $n = 7345, 9945, 13221$
65	114	$n \equiv 1, 1521, 2185, 3705, 4161, 7905, 11401, 13585, 14041,$ $15561, 17785, 19305, 19761, 21945, 25441, \text{ or } 29185 \pmod{29640}$ except $n = 1521, 2185, 3705, 4161, 7905, 11401, 13585, 14041$
65	115	$n \equiv 1, 2301, 20125, 22425, 22725, 25025, 27301, \text{ or } 29601 \pmod{29900}$ except $n = 2301$
65	116	$n \equiv 1, 4641, 4785, 9425, 12065, 16705, 22881, \text{ or } 27521 \pmod{30160}$ except $n = 4641, 4785, 9425, 12065$
65	117	$n \equiv 1, 1521, 6085, 7605, 8281, 14365, 23661, \text{ or } 29745 \pmod{30420}$ except $n = 1521, 6085, 7605, 8281, 14365$
65	118	$n \equiv 1, 11505, 16225, 17641, 19825, 22361, 24545, \text{ or } 25961 \pmod{30680}$ except $n = 11505$
65	119	$n \equiv 1, 4641, 6461, 7021, 8841, 14365, 16185, 16745, 18565,$ $23205, 25025, 25585, 26741, 27405, 28561, \text{ or } 29121 \pmod{30940}$ except $n = 4641, 6461, 7021, 8841, 14365$
65	120	$n \equiv 1, 4225, 10401, 14625, 16225, 19201, 26625, \text{ or } 29601 \pmod{31200}$ except $n = 4225, 10401, 14625$
65	121	$n \equiv 1, 7865, 12221, 12585, 14521, 24805, 26741, \text{ or } 27105 \pmod{31460}$ except $n = 7865, 12221, 12585, 14521$
65	122	$n \equiv 1, 6345, 13481, 19825, 20801, 24401, 27145, \text{ or } 30745 \pmod{31720}$ except $n = 6345, 13481$
65	123	$n \equiv 1, 2665, 3445, 9061, 9841, 14145, 14925, 20541, 21321,$ $23985, 24765, 24805, 25585, 30381, 31161, \text{ or } 31201 \pmod{31980}$ except $n = 2665, 3445, 9061, 9841, 14145, 14925$
65	124	$n \equiv 1, 7905, 9425, 10881, 19345, 20801, 22321, \text{ or } 30225 \pmod{32240}$ except $n = 7905, 9425, 10881$
65	125	$n \equiv 1, 625, 7501, \text{ or } 8125 \pmod{32500}$ except $n = 625, 7501, 8125$

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Table 64: Superspectra for  $p = 65$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
65	126	$n \equiv 1, 3745, 5265, 7281, 8281, 11025, 13105, 15561, 17641,$ $20385, 21385, 23401, 24921, 28665, 30681, \text{ or } 30745 \pmod{32760}$ except $n = 3745, 5265, 7281, 8281, 11025, 13105, 15561$
65	127	$n \equiv 1, 5461, 6605, 12065, 12701, 18161, 19305, \text{ or } 24765 \pmod{33020}$ except $n = 5461, 6605, 12065, 12701$
65	128	$n \equiv 1, 2561, 26625, \text{ or } 29185 \pmod{33280}$ except $n = 2561$

Table 65: Superspectra of  $C_{2k}^p$  for  $p = 66$

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	2	$n \equiv 1, 33, 177, \text{ or } 385 \pmod{528}$ except $n = 33, 177$
66	3	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
66	4	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
66	5	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
66	6	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
66	7	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
66	8	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
66	9	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
66	10	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
66	11	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{2904}$ except $n = 121, 969, 1089$
66	12	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
66	13	$n \equiv 1, 793, 1353, 2145, 2289, 2497, 3081, \text{ or } 3289 \pmod{3432}$ except $n = 793, 1353$

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Table 65: Superspectra for  $p = 66$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	14	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
66	15	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
66	16	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
66	17	$n \equiv 1, 561, 969, 1089, 1497, 3553, 3961, \text{ or } 4081 \pmod{4488}$ except $n = 561, 969, 1089, 1497$
66	18	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
66	19	$n \equiv 1, 913, 969, 1881, 2641, 3345, 3553, \text{ or } 4257 \pmod{5016}$ except $n = 913, 969, 1881$
66	20	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
66	21	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
66	22	$n \equiv 1, 1089, 3025, \text{ or } 3873 \pmod{5808}$ except $n = 1089$
66	23	$n \equiv 1, 529, 2025, 2553, 2761, 3289, 4785, \text{ or } 5313 \pmod{6072}$ except $n = 529, 2025, 2553, 2761$
66	24	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
66	25	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
66	26	$n \equiv 1, 2145, 2289, 2497, 4225, 4785, 6513, \text{ or } 6721 \pmod{6864}$ except $n = 2145, 2289, 2497$
66	27	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{7128}$ except $n = 649, 2025, 2673$
66	28	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
66	29	$n \equiv 1, 2233, 2553, 4785, 4873, 5017, 7425, \text{ or } 7569 \pmod{7656}$ except $n = 2233, 2553$
66	30	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$

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Table 65: Superspectra for  $p = 66$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	31	$n \equiv 1, 1705, 2233, 4929, 5457, 7161, 7657, \text{ or } 7689 \pmod{8184}$ except $n = 1705, 2233$
66	32	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
66	33	$n \equiv 1, 1089, 3025, \text{ or } 6777 \pmod{8712}$ except $n = 1089, 3025$
66	34	$n \equiv 1, 561, 1089, 3553, 4081, 5457, 5985, \text{ or } 8449 \pmod{8976}$ except $n = 561, 1089, 3553, 4081$
66	35	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
66	36	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
66	37	$n \equiv 1, 297, 2553, 3553, 5809, 6105, 6513, \text{ or } 9361 \pmod{9768}$ except $n = 297, 2553, 3553$
66	38	$n \equiv 1, 913, 2641, 3345, 3553, 4257, 5985, \text{ or } 6897 \pmod{10032}$ except $n = 913, 2641, 3345, 3553, 4257$
66	39	$n \equiv 1, 793, 8217, 9009, 9153, 9361, 9945, \text{ or } 10153 \pmod{10296}$ except $n = 793$
66	40	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
66	41	$n \equiv 1, 1353, 1969, 3609, 5577, 6601, 8569, \text{ or } 10209 \pmod{10824}$ except $n = 1353, 1969, 3609$
66	42	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
66	43	$n \equiv 1, 1849, 2409, 4257, 6193, 7569, 8041, \text{ or } 9417 \pmod{11352}$ except $n = 1849, 2409, 4257$
66	44	$n \equiv 1, 1089, 3873, \text{ or } 8833 \pmod{11616}$ except $n = 1089, 3873$
66	45	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
66	46	$n \equiv 1, 529, 4785, 5313, 8097, 8625, 8833, \text{ or } 9361 \pmod{12144}$ except $n = 529, 4785, 5313$

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Table 65: Superspectra for  $p = 66$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	47	$n \equiv 1, 705, 1881, 4137, 6721, 8977, 10153, \text{ or } 10857 \pmod{12408}$ except $n = 705, 1881, 4137$
66	48	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
66	49	$n \equiv 1, 441, 1177, 1617, 4753, 5929, 8625, \text{ or } 9801 \pmod{12936}$ except $n = 441, 1177, 1617, 4753, 5929$
66	50	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
66	51	$n \equiv 1, 1089, 3961, 5049, 5985, 8569, 9945, \text{ or } 12529 \pmod{13464}$ except $n = 1089, 3961, 5049, 5985$
66	52	$n \equiv 1, 2145, 2497, 4225, 6721, 9153, 11649, \text{ or } 13377 \pmod{13728}$ except $n = 2145, 2497, 4225, 6721$
66	53	$n \equiv 1, 265, 3817, 4081, 4665, 4929, 8481, \text{ or } 8745 \pmod{13992}$ except $n = 265, 3817, 4081, 4665, 4929$
66	54	$n \equiv 1, 2673, 7777, \text{ or } 9153 \pmod{14256}$ except $n = 2673$
66	55	$n \equiv 1, 121, 2905, 3025, 9681, 9801, 12585, \text{ or } 12705 \pmod{14520}$ except $n = 121, 2905, 3025$
66	56	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
66	57	$n \equiv 1, 1881, 4257, 5985, 8361, 8569, 10945, \text{ or } 12673 \pmod{15048}$ except $n = 1881, 4257, 5985$
66	58	$n \equiv 1, 4785, 7425, 7569, 9889, 10209, 12529, \text{ or } 12673 \pmod{15312}$ except $n = 4785, 7425, 7569$
66	59	$n \equiv 1, 177, 649, 5193, 5665, 5841, 10561, \text{ or } 10857 \pmod{15576}$ except $n = 177, 649, 5193, 5665, 5841$
66	60	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
66	61	$n \equiv 1, 793, 9273, 10065, 10737, 11529, 14641, \text{ or } 15433 \pmod{16104}$ except $n = 793$

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Table 65: Superspectra for  $p = 66$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	62	$n \equiv 1, 4929, 5457, 9889, 10417, 15345, 15841, \text{ or } 15873 \pmod{16368}$ except $n = 4929, 5457$
66	63	$n \equiv 1, 3025, 4753, 6777, 7777, 9801, 11529, \text{ or } 14553 \pmod{16632}$ except $n = 3025, 4753, 6777, 7777$
66	64	$n \equiv 1, 4609, 11265, \text{ or } 15873 \pmod{16896}$ except $n = 4609$
66	65	$n \equiv 1, 2145, 3081, 4225, 4785, 5721, 6721, 6865, 9361,$ $9945, 12441, 12585, 13585, 14521, 15081, \text{ or } 16225 \pmod{17160}$ except $n = 2145, 3081, 4225, 4785, 5721, 6721, 6865$
66	66	$n \equiv 1, 1089, 3025, \text{ or } 15489 \pmod{17424}$ except $n = 1089, 3025$
66	67	$n \equiv 1, 2145, 4489, 6633, 8041, 11793, 12529, \text{ or } 16281 \pmod{17688}$ except $n = 2145, 4489, 6633, 8041$
66	68	$n \equiv 1, 1089, 3553, 5985, 8449, 9537, 13057, \text{ or } 14433 \pmod{17952}$ except $n = 1089, 3553, 5985, 8449$
66	69	$n \equiv 1, 2025, 9361, 11385, 12673, 14697, 14905, \text{ or } 16929 \pmod{18216}$ except $n = 2025$
66	70	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
66	71	$n \equiv 1, 1705, 6249, 7953, 8449, 10153, 14697, \text{ or } 16401 \pmod{18744}$ except $n = 1705, 6249, 7953, 8449$
66	72	$n \equiv 1, 7425, 9153, \text{ or } 17281 \pmod{19008}$ except $n = 7425, 9153$
66	73	$n \equiv 1, 2409, 5841, 8833, 9417, 12265, 12849, \text{ or } 15841 \pmod{19272}$ except $n = 2409, 5841, 8833, 9417$
66	74	$n \equiv 1, 3553, 5809, 6513, 9361, 10065, 12321, \text{ or } 15873 \pmod{19536}$ except $n = 3553, 5809, 6513, 9361$
66	75	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 17425 \pmod{19800}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
66	76	$n \equiv 1, 3553, 4257, 5985, 10945, 12673, 13377, \text{ or } 16929 \pmod{20064}$ except $n = 3553, 4257, 5985$

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Table 65: Superspectra for  $p = 66$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	77	$n \equiv 1, 2905, 3025, 5929, 6777, 9681, 9801, \text{ or } 12705 \pmod{20328}$ except $n = 2905, 3025, 5929, 6777, 9681, 9801$
66	78	$n \equiv 1, 9009, 9153, 9361, 11089, 18513, 20241, \text{ or } 20449 \pmod{20592}$ except $n = 9009, 9153, 9361$
66	79	$n \equiv 1, 3081, 4345, 8217, 10033, 13905, 15169, \text{ or } 18249 \pmod{20856}$ except $n = 3081, 4345, 8217, 10033$
66	80	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281 \pmod{21120}$ except $n = 385, 3201, 4225, 7041, 7425$
66	81	$n \equiv 1, 2673, 7777, \text{ or } 16281 \pmod{21384}$ except $n = 2673, 7777$
66	82	$n \equiv 1, 1969, 10209, 12177, 14433, 16401, 17425, \text{ or } 19393 \pmod{21648}$ except $n = 1969, 10209$
66	83	$n \equiv 1, 913, 2905, 5313, 7305, 8217, 10209, \text{ or } 19921 \pmod{21912}$ except $n = 913, 2905, 5313, 7305, 8217, 10209$
66	84	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
66	85	$n \equiv 1, 561, 3961, 4081, 5985, 8041, 9945, 10065, 13465,$ $14025, 14961, 17425, 17545, 18921, 19041, \text{ or } 21505 \pmod{22440}$ except $n = 561, 3961, 4081, 5985, 8041, 9945, 10065$
66	86	$n \equiv 1, 4257, 6193, 7569, 13201, 13761, 19393, \text{ or } 20769 \pmod{22704}$ except $n = 4257, 6193, 7569$
66	87	$n \equiv 1, 2233, 7425, 7569, 12529, 12673, 17865, \text{ or } 20097 \pmod{22968}$ except $n = 2233, 7425, 7569$
66	88	$n \equiv 1, 1089, 8833, \text{ or } 15489 \pmod{23232}$ except $n = 1089, 8833$
66	89	$n \equiv 1, 2937, 7833, 7921, 10681, 15753, 18513, \text{ or } 18601 \pmod{23496}$ except $n = 2937, 7833, 7921, 10681$
66	90	$n \equiv 1, 3025, 4401, 7425, 9505, 13905, 17281, \text{ or } 21681 \pmod{23760}$ except $n = 3025, 4401, 7425, 9505$

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Table 65: Superspectra for  $p = 66$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	91	$n \equiv 1, 2289, 3081, 5929, 6721, 9009, 10297, 11089, 11649,$ $13377, 16017, 17017, 19657, 21385, 21945, \text{ or } 22737 \pmod{24024}$ except $n = 2289, 3081, 5929, 6721, 9009, 10297, 11089, 11649$
66	92	$n \equiv 1, 5313, 8097, 8833, 12673, 16929, 20769, \text{ or } 21505 \pmod{24288}$ except $n = 5313, 8097, 8833$
66	93	$n \equiv 1, 2233, 13113, 15345, 15841, 18073, 21825, \text{ or } 24057 \pmod{24552}$ except $n = 2233$
66	94	$n \equiv 1, 705, 6721, 8977, 14289, 16545, 22561, \text{ or } 23265 \pmod{24816}$ except $n = 705, 6721, 8977$
66	95	$n \equiv 1, 1881, 2641, 3345, 5985, 8361, 10945, 11001, 13585,$ $15961, 18601, 19305, 20065, 21945, 22705, \text{ or } 24321 \pmod{25080}$ except $n = 1881, 2641, 3345, 5985, 8361, 10945, 11001$
66	96	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{25344}$ except $n = 2817, 4609, 7425$
66	97	$n \equiv 1, 3201, 4753, 6985, 11737, 17073, 21825, \text{ or } 24057 \pmod{25608}$ except $n = 3201, 4753, 6985, 11737$
66	98	$n \equiv 1, 1617, 4753, 8625, 13377, 14113, 18865, \text{ or } 22737 \pmod{25872}$ except $n = 1617, 4753, 8625$
66	99	$n \equiv 1, 3025, 6777, \text{ or } 9801 \pmod{26136}$ except $n = 3025, 6777, 9801$
66	100	$n \equiv 1, 3201, 4225, 7425, 12001, 16225, 17601, \text{ or } 21825 \pmod{26400}$ except $n = 3201, 4225, 7425, 12001$
66	101	$n \equiv 1, 1617, 7777, 8889, 15049, 16665, 19393, \text{ or } 23937 \pmod{26664}$ except $n = 1617, 7777, 8889$
66	102	$n \equiv 1, 1089, 5985, 12529, 17425, 18513, 22033, \text{ or } 23409 \pmod{26928}$ except $n = 1089, 5985, 12529$
66	103	$n \equiv 1, 825, 5665, 9889, 13905, 18129, 22969, \text{ or } 23793 \pmod{27192}$ except $n = 825, 5665, 9889$
66	104	$n \equiv 1, 2497, 4225, 6721, 9153, 11649, 13377, \text{ or } 15873 \pmod{27456}$ except $n = 2497, 4225, 6721, 9153, 11649, 13377$

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Table 65: Superspectra for  $p = 66$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	105	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$
66	106	$n \equiv 1, 4081, 4929, 8481, 14257, 17809, 18657, \text{ or } 22737 \pmod{27984}$ except $n = 4081, 4929, 8481$
66	107	$n \equiv 1, 1177, 5137, 5457, 9417, 10593, 14553, \text{ or } 24289 \pmod{28248}$ except $n = 1177, 5137, 5457, 9417, 10593$
66	108	$n \equiv 1, 7777, 9153, \text{ or } 16929 \pmod{28512}$ except $n = 7777, 9153$
66	109	$n \equiv 1, 2289, 6105, 11881, 15697, 17985, 19185, \text{ or } 27577 \pmod{28776}$ except $n = 2289, 6105, 11881$
66	110	$n \equiv 1, 3025, 9681, 12705, 14641, 17425, 24321, \text{ or } 27105 \pmod{29040}$ except $n = 3025, 9681, 12705$
66	111	$n \equiv 1, 297, 9361, 12321, 13321, 16281, 25345, \text{ or } 25641 \pmod{29304}$ except $n = 297, 9361, 12321, 13321$
66	112	$n \equiv 1, 385, 8449, 11649, 19713, 20097, 21505, \text{ or } 28161 \pmod{29568}$ except $n = 385, 8449, 11649$
66	113	$n \equiv 1, 3729, 4521, 9153, 9945, 23617, 24409, \text{ or } 29041 \pmod{29832}$ except $n = 3729, 4521, 9153, 9945$
66	114	$n \equiv 1, 4257, 5985, 10945, 12673, 16929, 23409, \text{ or } 23617 \pmod{30096}$ except $n = 4257, 5985, 10945, 12673$
66	115	$n \equiv 1, 2025, 2761, 4785, 6601, 8625, 9361, 11385, 12145,$ $14905, 18745, 20241, 21505, 23001, 26841, \text{ or } 29601 \pmod{30360}$ except $n = 2025, 2761, 4785, 6601, 8625,$ $9361, 11385, 12145, 14905$
66	116	$n \equiv 1, 7425, 9889, 10209, 12673, 20097, 22881, \text{ or } 27841 \pmod{30624}$ except $n = 7425, 9889, 10209, 12673$
66	117	$n \equiv 1, 9153, 10153, 19305, 19657, 21385, 28809, \text{ or } 30537 \pmod{30888}$ except $n = 9153, 10153$
66	118	$n \equiv 1, 177, 5665, 5841, 10561, 16225, 20769, \text{ or } 26433 \pmod{31152}$ except $n = 177, 5665, 5841, 10561$

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Table 65: Superspectra for  $p = 66$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
66	119	$n \equiv 1, 561, 4081, 5985, 8449, 8569, 10473, 12937, 14553,$ $17017, 18921, 19041, 21505, 23409, 26929, \text{ or } 27489 \pmod{31416}$ except $n = 561, 4081, 5985, 8449, 8569, 10473, 12937, 14553$
66	120	$n \equiv 1, 7425, 10945, 13761, 17281, 21825, 25345, \text{ or } 28161 \pmod{31680}$ except $n = 7425, 10945, 13761$
66	121	$n \equiv 1, 3993, 14641, \text{ or } 21297 \pmod{31944}$ except $n = 3993, 14641$
66	122	$n \equiv 1, 10065, 10737, 14641, 16897, 25377, 27633, \text{ or } 31537 \pmod{32208}$ except $n = 10065, 10737, 14641$
66	123	$n \equiv 1, 3609, 8569, 12177, 17425, 21033, 23617, \text{ or } 27225 \pmod{32472}$ except $n = 3609, 8569, 12177$
66	124	$n \equiv 1, 4929, 9889, 15841, 15873, 21825, 26785, \text{ or } 31713 \pmod{32736}$ except $n = 4929, 9889, 15841, 15873$
66	125	$n \equiv 1, 8625, 9625, 11001, 12001, 20625, 23001, \text{ or } 30625 \pmod{33000}$ except $n = 8625, 9625, 11001, 12001$
66	126	$n \equiv 1, 3025, 4753, 7777, 23409, 26433, 28161, \text{ or } 31185 \pmod{33264}$ except $n = 3025, 4753, 7777$
66	127	$n \equiv 1, 6985, 10033, 19305, 22353, 29337, 30481, \text{ or } 32385 \pmod{33528}$ except $n = 6985, 10033$
66	128	$n \equiv 1, 11265, 21505, \text{ or } 32769 \pmod{33792}$ except $n = 11265$

Table 66: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 67$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
67	2	$n \equiv 1 \text{ or } 201 \pmod{536}$ except $n = 201$
67	3	$n \equiv 1, 201, 469, \text{ or } 537 \pmod{804}$ except $n = 201$
67	4	$n \equiv 1 \text{ or } 737 \pmod{1072}$
67	5	$n \equiv 1, 201, 805, \text{ or } 1005 \pmod{1340}$ except $n = 201$

*continued on next page*

Table 66: Superspectra for  $p = 67$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
67	6	$n \equiv 1, 201, 537, \text{ or } 1273 \pmod{1608}$ except $n = 201, 537$
67	7	$n \equiv 1, 469, 805, \text{ or } 1541 \pmod{1876}$ except $n = 469, 805$
67	8	$n \equiv 1 \text{ or } 737 \pmod{2144}$ except $n = 737$
67	9	$n \equiv 1, 469, 1341, \text{ or } 1809 \pmod{2412}$ except $n = 469$
67	10	$n \equiv 1, 201, 2145, \text{ or } 2345 \pmod{2680}$ except $n = 201$
67	11	$n \equiv 1, 737, 1541, \text{ or } 2145 \pmod{2948}$ except $n = 737$
67	12	$n \equiv 1, 1809, 2145, \text{ or } 2881 \pmod{3216}$
67	13	$n \equiv 1, 469, 2145, \text{ or } 2613 \pmod{3484}$ except $n = 469$
67	14	$n \equiv 1, 2345, 2681, \text{ or } 3417 \pmod{3752}$
67	15	$n \equiv 1, 201, 805, 1005, 1341, 2145, 2881, \text{ or } 3685 \pmod{4020}$ except $n = 201, 805, 1005, 1341$
67	16	$n \equiv 1 \text{ or } 2881 \pmod{4288}$
67	17	$n \equiv 1, 3417, 3485, \text{ or } 4489 \pmod{4556}$
67	18	$n \equiv 1, 1809, 2881, \text{ or } 3753 \pmod{4824}$ except $n = 1809$
67	19	$n \equiv 1, 1273, 2413, \text{ or } 3953 \pmod{5092}$ except $n = 1273, 2413$
67	20	$n \equiv 1, 2145, 2881, \text{ or } 5025 \pmod{5360}$ except $n = 2145$
67	21	$n \equiv 1, 469, 805, 3417, 3753, 4221, 4557, \text{ or } 5293 \pmod{5628}$ except $n = 469, 805$
67	22	$n \equiv 1, 737, 2145, \text{ or } 4489 \pmod{5896}$ except $n = 737, 2145$
67	23	$n \equiv 1, 737, 805, \text{ or } 1541 \pmod{6164}$ except $n = 737, 805, 1541$
67	24	$n \equiv 1, 2145, 2881, \text{ or } 5025 \pmod{6432}$ except $n = 2145, 2881$
67	25	$n \equiv 1, 201, 4825, \text{ or } 5025 \pmod{6700}$ except $n = 201$
67	26	$n \equiv 1, 2145, 3953, \text{ or } 6097 \pmod{6968}$ except $n = 2145$
67	27	$n \equiv 1, 1809, 3753, \text{ or } 5293 \pmod{7236}$ except $n = 1809$
67	28	$n \equiv 1, 6097, 6433, \text{ or } 7169 \pmod{7504}$
67	29	$n \equiv 1, 1073, 4757, \text{ or } 5829 \pmod{7772}$ except $n = 1073$

*continued on next page*



Table 66: Superspectra for  $p = 67$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
67	30	$n \equiv 1, 201, 2145, 2881, 4825, 5025, 5361, \text{ or } 7705 \pmod{8040}$ except $n = 201, 2145, 2881$
67	31	$n \equiv 1, 2077, 4557, \text{ or } 5829 \pmod{8308}$ except $n = 2077$
67	32	$n \equiv 1 \text{ or } 7169 \pmod{8576}$
67	33	$n \equiv 1, 2145, 2949, 3685, 4489, 6633, 7437, \text{ or } 8041 \pmod{8844}$ except $n = 2145, 2949, 3685$
67	34	$n \equiv 1, 3417, 4489, \text{ or } 8041 \pmod{9112}$ except $n = 3417, 4489$
67	35	$n \equiv 1, 805, 1541, 2345, 2681, 4221, 7505, \text{ or } 9045 \pmod{9380}$ except $n = 805, 1541, 2345, 2681, 4221$
67	36	$n \equiv 1, 1809, 2881, \text{ or } 8577 \pmod{9648}$ except $n = 1809, 2881$
67	37	$n \equiv 1, 1073, 6365, \text{ or } 7437 \pmod{9916}$ except $n = 1073$
67	38	$n \equiv 1, 1273, 3953, \text{ or } 7505 \pmod{10184}$ except $n = 1273, 3953$
67	39	$n \equiv 1, 469, 2145, 2613, 5629, 6097, 6969, \text{ or } 7437 \pmod{10452}$ except $n = 469, 2145, 2613$
67	40	$n \equiv 1, 2145, 2881, \text{ or } 5025 \pmod{10720}$ except $n = 2145, 2881, 5025$
67	41	$n \equiv 1, 3485, 4757, \text{ or } 8241 \pmod{10988}$ except $n = 3485, 4757$
67	42	$n \equiv 1, 3417, 3753, 6097, 6433, 9849, 10185, \text{ or } 10921 \pmod{11256}$ except $n = 3417, 3753$
67	43	$n \equiv 1, 2881, 6365, \text{ or } 8041 \pmod{11524}$ except $n = 2881$
67	44	$n \equiv 1, 737, 2145, \text{ or } 10385 \pmod{11792}$ except $n = 737, 2145$
67	45	$n \equiv 1, 1341, 2881, 4221, 4825, 6165, 7705, \text{ or } 9045 \pmod{12060}$ except $n = 1341, 2881, 4221, 4825$
67	46	$n \equiv 1, 737, 6969, \text{ or } 7705 \pmod{12328}$ except $n = 737$
67	47	$n \equiv 1, 3149, 5829, \text{ or } 9917 \pmod{12596}$ except $n = 3149, 5829$
67	48	$n \equiv 1, 2881, 8577, \text{ or } 11457 \pmod{12864}$ except $n = 2881$
67	49	$n \equiv 1, 4557, 5293, \text{ or } 9849 \pmod{13132}$ except $n = 4557, 5293$
67	50	$n \equiv 1, 201, 4825, \text{ or } 5025 \pmod{13400}$ except $n = 201, 4825, 5025$

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Table 66: Superspectra for  $p = 67$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
67	51	$n \equiv 1, 3417, 4489, 4557, 8041, 9045, 12529, \text{ or } 12597 \pmod{13668}$ except $n = 3417, 4489, 4557$
67	52	$n \equiv 1, 2145, 3953, \text{ or } 6097 \pmod{13936}$ except $n = 2145, 3953, 6097$
67	53	$n \equiv 1, 1273, 9381, \text{ or } 10653 \pmod{14204}$ except $n = 1273$
67	54	$n \equiv 1, 1809, 3753, \text{ or } 12529 \pmod{14472}$ except $n = 1809, 3753$
67	55	$n \equiv 1, 1541, 2145, 3685, 8041, 8845, 9581, \text{ or } 10385 \pmod{14740}$ except $n = 1541, 2145, 3685$
67	56	$n \equiv 1, 6433, 7169, \text{ or } 13601 \pmod{15008}$ except $n = 6433, 7169$
67	57	$n \equiv 1, 1273, 2413, 9045, 10185, 11457, 12597, \text{ or } 14137 \pmod{15276}$ except $n = 1273, 2413$
67	58	$n \equiv 1, 1073, 12529, \text{ or } 13601 \pmod{15544}$ except $n = 1073$
67	59	$n \equiv 1, 3953, 9381, \text{ or } 10385 \pmod{15812}$ except $n = 3953$
67	60	$n \equiv 1, 2145, 2881, 5025, 5361, 8241, 12865, \text{ or } 15745 \pmod{16080}$ except $n = 2145, 2881, 5025, 5361$
67	61	$n \equiv 1, 3417, 8845, \text{ or } 12261 \pmod{16348}$ except $n = 3417$
67	62	$n \equiv 1, 10385, 12865, \text{ or } 14137 \pmod{16616}$
67	63	$n \equiv 1, 469, 3753, 4221, 5293, 9045, 12061, \text{ or } 15813 \pmod{16884}$ except $n = 469, 3753, 4221, 5293$
67	64	$n \equiv 1 \text{ or } 7169 \pmod{17152}$ except $n = 7169$
67	65	$n \equiv 1, 2145, 3485, 9581, 10921, 13065, 14405, \text{ or } 16081 \pmod{17420}$ except $n = 2145, 3485$
67	66	$n \equiv 1, 2145, 4489, 6633, 8041, 11793, 12529, \text{ or } 16281 \pmod{17688}$ except $n = 2145, 4489, 6633, 8041$
67	67	$n \equiv 1 \text{ or } 4489 \pmod{17956}$ except $n = 4489$
67	68	$n \equiv 1, 12529, 13601, \text{ or } 17153 \pmod{18224}$
67	69	$n \equiv 1, 805, 6165, 6901, 6969, 7705, 13065, \text{ or } 13869 \pmod{18492}$ except $n = 805, 6165, 6901, 6969, 7705$

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Table 66: Superspectra for  $p = 67$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
67	70	$n \equiv 1, 2345, 2681, 7505, 10185, 10921, 13601, \text{ or } 18425 \pmod{18760}$ except $n = 2345, 2681, 7505$
67	71	$n \equiv 1, 4757, 10721, \text{ or } 13065 \pmod{19028}$ except $n = 4757$
67	72	$n \equiv 1, 2881, 8577, \text{ or } 11457 \pmod{19296}$ except $n = 2881, 8577$
67	73	$n \equiv 1, 14673, 15477, \text{ or } 18761 \pmod{19564}$
67	74	$n \equiv 1, 1073, 16281, \text{ or } 17353 \pmod{19832}$ except $n = 1073$
67	75	$n \equiv 1, 201, 4825, 5025, 6901, 11725, 13401, \text{ or } 18225 \pmod{20100}$ except $n = 201, 4825, 5025, 6901$
67	76	$n \equiv 1, 3953, 7505, \text{ or } 11457 \pmod{20368}$ except $n = 3953, 7505$
67	77	$n \equiv 1, 1541, 13937, 15477, 16885, 17689, 18425, \text{ or } 19229 \pmod{20636}$ except $n = 1541$
67	78	$n \equiv 1, 2145, 6097, 6969, 10921, 13065, 16081, \text{ or } 17889 \pmod{20904}$ except $n = 2145, 6097, 6969$
67	79	$n \equiv 1, 5293, 7505, \text{ or } 18961 \pmod{21172}$ except $n = 5293, 7505$
67	80	$n \equiv 1, 2881, 12865, \text{ or } 15745 \pmod{21440}$ except $n = 2881$
67	81	$n \equiv 1, 16281, 18225, \text{ or } 19765 \pmod{21708}$
67	82	$n \equiv 1, 8241, 14473, \text{ or } 15745 \pmod{21976}$ except $n = 8241$
67	83	$n \equiv 1, 5561, 12865, \text{ or } 14941 \pmod{22244}$ except $n = 5561$
67	84	$n \equiv 1, 6097, 6433, 14673, 15009, 21105, 21441, \text{ or } 22177 \pmod{22512}$ except $n = 6097, 6433$
67	85	$n \equiv 1, 3485, 8041, 9045, 13601, 17085, 18225, \text{ or } 21641 \pmod{22780}$ except $n = 3485, 8041, 9045$
67	86	$n \equiv 1, 2881, 8041, \text{ or } 17889 \pmod{23048}$ except $n = 2881, 8041$
67	87	$n \equiv 1, 5829, 7773, 8845, 12529, 16617, 20301, \text{ or } 21373 \pmod{23316}$ except $n = 5829, 7773, 8845$
67	88	$n \equiv 1, 737, 2145, \text{ or } 22177 \pmod{23584}$ except $n = 737, 2145$
67	89	$n \equiv 1, 17889, 18157, \text{ or } 23585 \pmod{23852}$

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Table 66: Superspectra for  $p = 67$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
67	90	$n \equiv 1, 2881, 4825, 7705, 13401, 16281, 18225, \text{ or } 21105 \pmod{24120}$ except $n = 2881, 4825, 7705$
67	91	$n \equiv 1, 469, 5629, 6097, 10921, 13937, 16549, \text{ or } 19565 \pmod{24388}$ except $n = 469, 5629, 6097, 10921$
67	92	$n \equiv 1, 737, 19297, \text{ or } 20033 \pmod{24656}$ except $n = 737$
67	93	$n \equiv 1, 2077, 4557, 5829, 12865, 14137, 16617, \text{ or } 18693 \pmod{24924}$ except $n = 2077, 4557, 5829$
67	94	$n \equiv 1, 15745, 18425, \text{ or } 22513 \pmod{25192}$
67	95	$n \equiv 1, 6365, 7505, 9045, 10185, 21641, 22781, \text{ or } 24321 \pmod{25460}$ except $n = 6365, 7505, 9045, 10185$
67	96	$n \equiv 1, 8577, 15745, \text{ or } 24321 \pmod{25728}$ except $n = 8577$
67	97	$n \equiv 1, 9313, 10185, \text{ or } 19497 \pmod{25996}$ except $n = 9313, 10185$
67	98	$n \equiv 1, 9849, 17689, \text{ or } 18425 \pmod{26264}$ except $n = 9849$
67	99	$n \equiv 1, 6633, 10989, 12529, 16281, 16885, 20637, \text{ or } 22177 \pmod{26532}$ except $n = 6633, 10989, 12529$
67	100	$n \equiv 1, 5025, 13601, \text{ or } 18225 \pmod{26800}$ except $n = 5025$
67	101	$n \equiv 1, 6969, 13333, \text{ or } 20301 \pmod{27068}$ except $n = 6969, 13333$
67	102	$n \equiv 1, 3417, 4489, 8041, 12529, 18225, 22713, \text{ or } 26265 \pmod{27336}$ except $n = 3417, 4489, 8041, 12529$
67	103	$n \equiv 1, 6901, 8241, \text{ or } 26265 \pmod{27604}$ except $n = 6901, 8241$
67	104	$n \equiv 1, 2145, 17889, \text{ or } 20033 \pmod{27872}$ except $n = 2145$
67	105	$n \equiv 1, 805, 4221, 9045, 9381, 10185, 10921, 11725, 12061,$ $16885, 20301, 21105, 21441, 22981, 26265, \text{ or } 27805 \pmod{28140}$ except $n = 805, 4221, 9045, 9381, 10185, 10921, 11725, 12061$
67	106	$n \equiv 1, 1273, 23585, \text{ or } 24857 \pmod{28408}$ except $n = 1273$
67	107	$n \equiv 1, 7169, 7705, \text{ or } 28141 \pmod{28676}$ except $n = 7169, 7705$
67	108	$n \equiv 1, 1809, 12529, \text{ or } 18225 \pmod{28944}$ except $n = 1809, 12529$
67	109	$n \equiv 1, 21909, 22781, \text{ or } 28341 \pmod{29212}$

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Table 66: Superspectra for  $p = 67$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
67	110	$n \equiv 1, 2145, 8041, 10385, 16281, 18425, 23585, \text{ or } 24321 \pmod{29480}$ except $n = 2145, 8041, 10385$
67	111	$n \equiv 1, 7437, 10989, 16281, 17353, 19833, 20905, \text{ or } 26197 \pmod{29748}$ except $n = 7437, 10989$
67	112	$n \equiv 1, 7169, 21441, \text{ or } 28609 \pmod{30016}$ except $n = 7169$
67	113	$n \equiv 1, 1809, 20905, \text{ or } 22713 \pmod{30284}$ except $n = 1809$
67	114	$n \equiv 1, 1273, 10185, 11457, 14137, 17689, 24321, \text{ or } 27873 \pmod{30552}$ except $n = 1273, 10185, 11457, 14137$
67	115	$n \equiv 1, 805, 1541, 6165, 6901, 7705, 13065, \text{ or } 25461 \pmod{30820}$ except $n = 805, 1541, 6165, 6901, 7705, 13065$
67	116	$n \equiv 1, 1073, 12529, \text{ or } 13601 \pmod{31088}$ except $n = 1073, 12529, 13601$
67	117	$n \equiv 1, 469, 23049, 23517, 26533, 27001, 27873, \text{ or } 28341 \pmod{31356}$ except $n = 469$
67	118	$n \equiv 1, 3953, 10385, \text{ or } 25193 \pmod{31624}$ except $n = 3953, 10385$
67	119	$n \equiv 1, 3417, 4557, 7973, 9045, 13601, 26265, \text{ or } 30821 \pmod{31892}$ except $n = 3417, 4557, 7973, 9045, 13601$
67	120	$n \equiv 1, 2145, 2881, 5025, 12865, 15745, 21441, \text{ or } 24321 \pmod{32160}$ except $n = 2145, 2881, 5025, 12865, 15745$
67	121	$n \equiv 1, 24321, 28073, \text{ or } 28677 \pmod{32428}$
67	122	$n \equiv 1, 3417, 25193, \text{ or } 28609 \pmod{32696}$ except $n = 3417$
67	123	$n \equiv 1, 8241, 10989, 14473, 15745, 25461, 26733, \text{ or } 30217 \pmod{32964}$ except $n = 8241, 10989, 14473, 15745$
67	124	$n \equiv 1, 10385, 12865, \text{ or } 30753 \pmod{33232}$ except $n = 10385, 12865$
67	125	$n \equiv 1, 25125, 27001, \text{ or } 31625 \pmod{33500}$
67	126	$n \equiv 1, 3753, 17353, 21105, 22177, 25929, 28945, \text{ or } 32697 \pmod{33768}$ except $n = 3753$
67	127	$n \equiv 1, 2413, 6097, \text{ or } 8509 \pmod{34036}$ except $n = 2413, 6097, 8509$
67	128	$n \equiv 1 \text{ or } 7169 \pmod{34304}$ except $n = 7169$

Table 67: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 68$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
68	2	$n \equiv 1$ or $289 \pmod{544}$
68	3	$n \equiv 1, 273, 289, \text{ or } 561 \pmod{816}$ except $n = 273, 289$
68	4	$n \equiv 1$ or $833 \pmod{1088}$
68	5	$n \equiv 1, 545, 561, \text{ or } 1105 \pmod{1360}$ except $n = 545, 561$
68	6	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
68	7	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{1904}$ except $n = 273, 561, 833$
68	8	$n \equiv 1$ or $1921 \pmod{2176}$
68	9	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
68	10	$n \equiv 1, 545, 1921, \text{ or } 2465 \pmod{2720}$ except $n = 545$
68	11	$n \equiv 1, 561, 1089, \text{ or } 2465 \pmod{2992}$ except $n = 561, 1089$
68	12	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
68	13	$n \equiv 1, 273, 833, \text{ or } 1105 \pmod{3536}$ except $n = 273, 833, 1105$
68	14	$n \equiv 1, 833, 2177, \text{ or } 2465 \pmod{3808}$ except $n = 833$
68	15	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
68	16	$n \equiv 1$ or $4097 \pmod{4352}$
68	17	$n \equiv 1$ or $289 \pmod{4624}$ except $n = 289$
68	18	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
68	19	$n \equiv 1, 817, 2737, \text{ or } 3553 \pmod{5168}$ except $n = 817$
68	20	$n \equiv 1, 1921, 3265, \text{ or } 5185 \pmod{5440}$ except $n = 1921$
68	21	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
68	22	$n \equiv 1, 1089, 2465, \text{ or } 3553 \pmod{5984}$ except $n = 1089, 2465$
68	23	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{6256}$ except $n = 1105, 1633, 2737$

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Table 67: Superspectra for  $p = 68$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
68	24	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$
68	25	$n \equiv 1, 3825, 4625, \text{ or } 6001 \pmod{6800}$
68	26	$n \equiv 1, 833, 3809, \text{ or } 4641 \pmod{7072}$ except $n = 833$
68	27	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
68	28	$n \equiv 1, 833, 2177, \text{ or } 6273 \pmod{7616}$ except $n = 833, 2177$
68	29	$n \equiv 1, 2465, 4641, \text{ or } 5713 \pmod{7888}$ except $n = 2465$
68	30	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
68	31	$n \equiv 1, 2449, 5457, \text{ or } 7905 \pmod{8432}$ except $n = 2449$
68	32	$n \equiv 1 \text{ or } 4097 \pmod{8704}$ except $n = 4097$
68	33	$n \equiv 1, 561, 1089, 3553, 4081, 5457, 5985, \text{ or } 8449 \pmod{8976}$ except $n = 561, 1089, 3553, 4081$
68	34	$n \equiv 1 \text{ or } 289 \pmod{9248}$ except $n = 289$
68	35	$n \equiv 1, 561, 1905, 2465, 4081, 4641, 5985, \text{ or } 6545 \pmod{9520}$ except $n = 561, 1905, 2465, 4081, 4641$
68	36	$n \equiv 1, 1089, 5185, \text{ or } 6273 \pmod{9792}$ except $n = 1089$
68	37	$n \equiv 1, 3553, 4625, \text{ or } 8177 \pmod{10064}$ except $n = 3553, 4625$
68	38	$n \equiv 1, 3553, 5985, \text{ or } 7905 \pmod{10336}$ except $n = 3553$
68	39	$n \equiv 1, 273, 1105, 3537, 4369, 4641, 7345, \text{ or } 7905 \pmod{10608}$ except $n = 273, 1105, 3537, 4369, 4641$
68	40	$n \equiv 1, 1921, 8705, \text{ or } 10625 \pmod{10880}$ except $n = 1921$
68	41	$n \equiv 1, 2993, 3281, \text{ or } 6273 \pmod{11152}$ except $n = 2993, 3281$
68	42	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
68	43	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{11696}$ except $n = 817, 1377, 2193$
68	44	$n \equiv 1, 1089, 8449, \text{ or } 9537 \pmod{11968}$ except $n = 1089$

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Table 67: Superspectra for  $p = 68$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
68	45	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
68	46	$n \equiv 1, 1633, 7361, \text{ or } 8993 \pmod{12512}$ except $n = 1633$
68	47	$n \equiv 1, 3009, 8977, \text{ or } 11985 \pmod{12784}$ except $n = 3009$
68	48	$n \equiv 1, 4353, 8449, \text{ or } 12801 \pmod{13056}$ except $n = 4353$
68	49	$n \equiv 1, 833, 6273, \text{ or } 7889 \pmod{13328}$ except $n = 833, 6273$
68	50	$n \equiv 1, 10625, 11425, \text{ or } 12801 \pmod{13600}$
68	51	$n \equiv 1, 289, 9249, \text{ or } 9537 \pmod{13872}$ except $n = 289$
68	52	$n \equiv 1, 833, 10881, \text{ or } 11713 \pmod{14144}$ except $n = 833$
68	53	$n \equiv 1, 4081, 7633, \text{ or } 11713 \pmod{14416}$ except $n = 4081$
68	54	$n \equiv 1, 1377, 5185, \text{ or } 10881 \pmod{14688}$ except $n = 1377, 5185$
68	55	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 10065, \text{ or } 11441 \pmod{14960}$ except $n = 561, 2465, 4081, 5985, 6545$
68	56	$n \equiv 1, 2177, 6273, \text{ or } 8449 \pmod{15232}$ except $n = 2177, 6273$
68	57	$n \equiv 1, 817, 2737, 3553, 5169, 5985, 7905, \text{ or } 8721 \pmod{15504}$ except $n = 817, 2737, 3553, 5169, 5985$
68	58	$n \equiv 1, 2465, 4641, \text{ or } 13601 \pmod{15776}$ except $n = 2465, 4641$
68	59	$n \equiv 1, 3009, 4897, \text{ or } 14161 \pmod{16048}$ except $n = 3009, 4897$
68	60	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
68	61	$n \equiv 1, 5185, 10065, \text{ or } 11713 \pmod{16592}$ except $n = 5185$
68	62	$n \equiv 1, 7905, 10881, \text{ or } 13889 \pmod{16864}$ except $n = 7905$
68	63	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
68	64	$n \equiv 1 \text{ or } 4097 \pmod{17408}$ except $n = 4097$
68	65	$n \equiv 1, 1105, 4641, 7345, 7905, 10881, 11441, \text{ or } 14145 \pmod{17680}$ except $n = 1105, 4641, 7345, 7905$

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Table 67: Superspectra for  $p = 68$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
68	66	$n \equiv 1, 1089, 3553, 5985, 8449, 9537, 13057, \text{ or } 14433 \pmod{17952}$ except $n = 1089, 3553, 5985, 8449$
68	67	$n \equiv 1, 12529, 13601, \text{ or } 17153 \pmod{18224}$
68	68	$n \equiv 1 \text{ or } 9537 \pmod{18496}$
68	69	$n \equiv 1, 1105, 1633, 2737, 12513, 13617, 14145, \text{ or } 15249 \pmod{18768}$ except $n = 1105, 1633, 2737$
68	70	$n \equiv 1, 2465, 4641, 5985, 10081, 11425, 13601, \text{ or } 16065 \pmod{19040}$ except $n = 2465, 4641, 5985$
68	71	$n \equiv 1, 1633, 6817, \text{ or } 8449 \pmod{19312}$ except $n = 1633, 6817, 8449$
68	72	$n \equiv 1, 6273, 10881, \text{ or } 14977 \pmod{19584}$ except $n = 6273$
68	73	$n \equiv 1, 2993, 8177, \text{ or } 11169 \pmod{19856}$ except $n = 2993, 8177$
68	74	$n \equiv 1, 3553, 14689, \text{ or } 18241 \pmod{20128}$ except $n = 3553$
68	75	$n \equiv 1, 3825, 6001, 6801, 11425, 12801, 17425, \text{ or } 18225 \pmod{20400}$ except $n = 3825, 6001, 6801$
68	76	$n \equiv 1, 13889, 16321, \text{ or } 18241 \pmod{20672}$
68	77	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 8449, \text{ or } 19041 \pmod{20944}$ except $n = 561, 2465, 4081, 5985, 6545, 8449$
68	78	$n \equiv 1, 4641, 7905, 10881, 11713, 14145, 14977, \text{ or } 17953 \pmod{21216}$ except $n = 4641, 7905$
68	79	$n \equiv 1, 2449, 17697, \text{ or } 20145 \pmod{21488}$ except $n = 2449$
68	80	$n \equiv 1, 8705, 12801, \text{ or } 21505 \pmod{21760}$ except $n = 8705$
68	81	$n \equiv 1, 1377, 5185, \text{ or } 18225 \pmod{22032}$ except $n = 1377, 5185$
68	82	$n \equiv 1, 6273, 14145, \text{ or } 14433 \pmod{22304}$ except $n = 6273$
68	83	$n \equiv 1, 4897, 10625, \text{ or } 15521 \pmod{22576}$ except $n = 4897, 10625$
68	84	$n \equiv 1, 6273, 7617, 8449, 9793, 16065, 17409, \text{ or } 21505 \pmod{22848}$ except $n = 6273, 7617, 8449, 9793$
68	85	$n \equiv 1, 4625, 14161, \text{ or } 18785 \pmod{23120}$ except $n = 4625$

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Table 67: Superspectra for  $p = 68$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
68	86	$n \equiv 1, 1377, 12513, \text{ or } 13889 \pmod{23392}$ except $n = 1377$
68	87	$n \equiv 1, 4641, 5713, 10353, 12529, 15777, 18241, \text{ or } 21489 \pmod{23664}$ except $n = 4641, 5713, 10353$
68	88	$n \equiv 1, 8449, 13057, \text{ or } 21505 \pmod{23936}$ except $n = 8449$
68	89	$n \equiv 1, 13617, 18513, \text{ or } 19313 \pmod{24208}$
68	90	$n \equiv 1, 5185, 5985, 10081, 10881, 16065, 19585, \text{ or } 20961 \pmod{24480}$ except $n = 5185, 5985, 10081, 10881$
68	91	$n \equiv 1, 273, 833, 3809, 4369, 4641, 8177, \text{ or } 21217 \pmod{24752}$ except $n = 273, 833, 3809, 4369, 4641, 8177$
68	92	$n \equiv 1, 7361, 14145, \text{ or } 21505 \pmod{25024}$ except $n = 7361$
68	93	$n \equiv 1, 2449, 5457, 7905, 8433, 10881, 22321, \text{ or } 24769 \pmod{25296}$ except $n = 2449, 5457, 7905, 8433, 10881$
68	94	$n \equiv 1, 3009, 21761, \text{ or } 24769 \pmod{25568}$ except $n = 3009$
68	95	$n \equiv 1, 5985, 7905, 8721, 15505, 16321, 18241, \text{ or } 24225 \pmod{25840}$ except $n = 5985, 7905, 8721$
68	96	$n \equiv 1, 12801, 17409, \text{ or } 21505 \pmod{26112}$ except $n = 12801$
68	97	$n \equiv 1, 1649, 12513, \text{ or } 15521 \pmod{26384}$ except $n = 1649, 12513$
68	98	$n \equiv 1, 833, 6273, \text{ or } 21217 \pmod{26656}$ except $n = 833, 6273$
68	99	$n \equiv 1, 1089, 5985, 12529, 17425, 18513, 22033, \text{ or } 23409 \pmod{26928}$ except $n = 1089, 5985, 12529$
68	100	$n \equiv 1, 10625, 12801, \text{ or } 25025 \pmod{27200}$ except $n = 10625, 12801$
68	101	$n \equiv 1, 22321, 23937, \text{ or } 25857 \pmod{27472}$
68	102	$n \equiv 1, 289, 9249, \text{ or } 9537 \pmod{27744}$ except $n = 289, 9249, 9537$
68	103	$n \equiv 1, 1649, 10609, \text{ or } 12257 \pmod{28016}$ except $n = 1649, 10609, 12257$
68	104	$n \equiv 1, 10881, 14977, \text{ or } 25857 \pmod{28288}$ except $n = 10881$

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Table 67: Superspectra for  $p = 68$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
68	105	$n \equiv 1, 561, 1905, 4081, 4641, 5985, 10081, 11425, 11985,$ $14161, 15505, 16065, 19041, 21505, 23121, \text{ or } 25585 \pmod{28560}$ except $n = 561, 1905, 4081, 4641, 5985,$ $10081, 11425, 11985, 14161$
68	106	$n \equiv 1, 11713, 18497, \text{ or } 22049 \pmod{28832}$ except $n = 11713$
68	107	$n \equiv 1, 5457, 11985, \text{ or } 22577 \pmod{29104}$ except $n = 5457, 11985$
68	108	$n \equiv 1, 5185, 10881, \text{ or } 16065 \pmod{29376}$ except $n = 5185, 10881$
68	109	$n \equiv 1, 545, 8721, \text{ or } 9265 \pmod{29648}$ except $n = 545, 8721, 9265$
68	110	$n \equiv 1, 2465, 5985, 15521, 19041, 21505, 25025, \text{ or } 26401 \pmod{29920}$ except $n = 2465, 5985$
68	111	$n \equiv 1, 3553, 10065, 13617, 14689, 18241, 24753, \text{ or } 28305 \pmod{30192}$ except $n = 3553, 10065, 13617, 14689$
68	112	$n \equiv 1, 8449, 17409, \text{ or } 21505 \pmod{30464}$ except $n = 8449$
68	113	$n \equiv 1, 1921, 7345, \text{ or } 25313 \pmod{30736}$ except $n = 1921, 7345$
68	114	$n \equiv 1, 3553, 5985, 7905, 16321, 18241, 20673, \text{ or } 24225 \pmod{31008}$ except $n = 3553, 5985, 7905$
68	115	$n \equiv 1, 1105, 7361, 14145, 20401, 21505, 25025, \text{ or } 27761 \pmod{31280}$ except $n = 1105, 7361, 14145$
68	116	$n \equiv 1, 18241, 20417, \text{ or } 29377 \pmod{31552}$
68	117	$n \equiv 1, 3537, 7345, 10881, 14977, 18513, 22321, \text{ or } 25857 \pmod{31824}$ except $n = 3537, 7345, 10881, 14977$
68	118	$n \equiv 1, 3009, 4897, \text{ or } 30209 \pmod{32096}$ except $n = 3009, 4897$
68	119	$n \equiv 1, 14161, 23121, \text{ or } 23409 \pmod{32368}$ except $n = 14161$
68	120	$n \equiv 1, 1921, 10881, 12801, 19585, 21505, 30465, \text{ or } 32385 \pmod{32640}$ except $n = 1921, 10881, 12801$
68	121	$n \equiv 1, 1089, 17425, \text{ or } 18513 \pmod{32912}$ except $n = 1089$
68	122	$n \equiv 1, 5185, 11713, \text{ or } 26657 \pmod{33184}$ except $n = 5185, 11713$

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Table 67: Superspectra for  $p = 68$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
68	123	$n \equiv 1, 6273, 14145, 14433, 17425, 22305, 25297, \text{ or } 25585 \pmod{33456}$ except $n = 6273, 14145, 14433$
68	124	$n \equiv 1, 10881, 13889, \text{ or } 24769 \pmod{33728}$ except $n = 10881, 13889$
68	125	$n \equiv 1, 4625, 6001, \text{ or } 10625 \pmod{34000}$ except $n = 4625, 6001, 10625$
68	126	$n \equiv 1, 5985, 6273, 9793, 10081, 16065, 19873, \text{ or } 30465 \pmod{34272}$ except $n = 5985, 6273, 9793, 10081, 16065$
68	127	$n \equiv 1, 1905, 30481, \text{ or } 32385 \pmod{34544}$ except $n = 1905$
68	128	$n \equiv 1 \text{ or } 4097 \pmod{34816}$ except $n = 4097$

Table 68: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 69$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	2	$n \equiv 1, 345, 369, \text{ or } 529 \pmod{552}$
69	3	$n \equiv 1, 253, 369, \text{ or } 621 \pmod{828}$ except $n = 253, 369$
69	4	$n \equiv 1, 369, 529, \text{ or } 897 \pmod{1104}$ except $n = 369, 529$
69	5	$n \equiv 1, 345, 621, 645, 805, 921, 1081, \text{ or } 1105 \pmod{1380}$ except $n = 345, 621, 645$
69	6	$n \equiv 1, 369, 1081, \text{ or } 1449 \pmod{1656}$ except $n = 369$
69	7	$n \equiv 1, 253, 553, 645, 805, 897, 1197, \text{ or } 1449 \pmod{1932}$ except $n = 253, 553, 645, 805, 897$
69	8	$n \equiv 1, 897, 1473, \text{ or } 1633 \pmod{2208}$ except $n = 897$
69	9	$n \equiv 1, 621, 1081, \text{ or } 2025 \pmod{2484}$ except $n = 621, 1081$
69	10	$n \equiv 1, 345, 921, 1081, 1105, 2001, 2025, \text{ or } 2185 \pmod{2760}$ except $n = 345, 921, 1081, 1105$
69	11	$n \equiv 1, 253, 529, 1749, 2025, 2277, 2553, \text{ or } 2761 \pmod{3036}$ except $n = 253, 529$

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Table 68: Superspectra for  $p = 69$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	12	$n \equiv 1, 369, 2737, \text{ or } 3105 \pmod{3312}$ except $n = 369$
69	13	$n \equiv 1, 897, 1105, 1197, 2185, 2301, 3289, \text{ or } 3381 \pmod{3588}$ except $n = 897, 1105, 1197$
69	14	$n \equiv 1, 553, 897, 1449, 2185, 2577, 2737, \text{ or } 3129 \pmod{3864}$ except $n = 553, 897, 1449$
69	15	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 3681 \pmod{4140}$ except $n = 621, 1081, 2025$
69	16	$n \equiv 1, 897, 1473, \text{ or } 3841 \pmod{4416}$ except $n = 897, 1473$
69	17	$n \equiv 1, 69, 1105, 1173, 1633, 2737, 3129, \text{ or } 4233 \pmod{4692}$ except $n = 69, 1105, 1173, 1633$
69	18	$n \equiv 1, 1081, 2025, \text{ or } 3105 \pmod{4968}$ except $n = 1081, 2025$
69	19	$n \equiv 1, 1197, 1749, 2185, 2737, 3933, 4485, \text{ or } 4693 \pmod{5244}$ except $n = 1197, 1749, 2185$
69	20	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
69	21	$n \equiv 1, 253, 1197, 1449, 2485, 2737, 4509, \text{ or } 4761 \pmod{5796}$ except $n = 253, 1197, 1449, 2485, 2737$
69	22	$n \equiv 1, 529, 2025, 2553, 2761, 3289, 4785, \text{ or } 5313 \pmod{6072}$ except $n = 529, 2025, 2553, 2761$
69	23	$n \equiv 1, 529, 4233, \text{ or } 4761 \pmod{6348}$ except $n = 529$
69	24	$n \equiv 1, 3105, 3681, \text{ or } 6049 \pmod{6624}$ except $n = 3105$
69	25	$n \equiv 1, 1725, 2001, 2025, 2301, 6325, 6601, \text{ or } 6625 \pmod{6900}$ except $n = 1725, 2001, 2025, 2301$
69	26	$n \equiv 1, 897, 1105, 2185, 3289, 4785, 5889, \text{ or } 6969 \pmod{7176}$ except $n = 897, 1105, 2185, 3289$
69	27	$n \equiv 1, 2025, 3565, \text{ or } 5589 \pmod{7452}$ except $n = 2025, 3565$
69	28	$n \equiv 1, 897, 2577, 2737, 4417, 5313, 6049, \text{ or } 6993 \pmod{7728}$ except $n = 897, 2577, 2737$

*continued on next page*

Table 68: Superspectra for  $p = 69$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	29	$n \equiv 1, 2001, 2553, 4669, 4785, 5221, 5337, \text{ or } 7453 \pmod{8004}$ except $n = 2001, 2553$
69	30	$n \equiv 1, 1081, 2025, 3105, 3681, 4761, 6625, \text{ or } 7705 \pmod{8280}$ except $n = 1081, 2025, 3105, 3681$
69	31	$n \equiv 1, 93, 621, 2853, 3565, 5797, 6325, \text{ or } 6417 \pmod{8556}$ except $n = 93, 621, 2853, 3565$
69	32	$n \equiv 1, 897, 3841, \text{ or } 5889 \pmod{8832}$ except $n = 897, 3841$
69	33	$n \equiv 1, 253, 2025, 2277, 3565, 5589, 5797, \text{ or } 7821 \pmod{9108}$ except $n = 253, 2025, 2277, 3565$
69	34	$n \equiv 1, 1105, 1633, 2737, 3129, 4233, 4761, \text{ or } 5865 \pmod{9384}$ except $n = 1105, 1633, 2737, 3129, 4233$
69	35	$n \equiv 1, 645, 805, 2185, 2485, 3381, 3865, 4761, 5061,$ $6441, 6601, 7245, 7981, 8281, 8625, \text{ or } 8925 \pmod{9660}$ except $n = 645, 805, 2185, 2485, 3381, 3865, 4761$
69	36	$n \equiv 1, 3105, 6049, \text{ or } 6993 \pmod{9936}$ except $n = 3105$
69	37	$n \equiv 1, 2553, 3405, 3589, 5773, 6993, 9177, \text{ or } 9361 \pmod{10212}$ except $n = 2553, 3405, 3589$
69	38	$n \equiv 1, 2185, 2737, 6441, 6993, 9177, 9729, \text{ or } 9937 \pmod{10488}$ except $n = 2185, 2737$
69	39	$n \equiv 1, 1197, 6877, 8073, 8281, 9361, 9477, \text{ or } 10557 \pmod{10764}$ except $n = 1197$
69	40	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
69	41	$n \equiv 1, 369, 2461, 2829, 4141, 6601, 7545, \text{ or } 10005 \pmod{11316}$ except $n = 369, 2461, 2829, 4141$
69	42	$n \equiv 1, 1449, 2737, 4761, 6049, 6993, 8281, \text{ or } 10305 \pmod{11592}$ except $n = 1449, 2737, 4761$
69	43	$n \equiv 1, 345, 645, 3957, 4945, 8257, 8557, \text{ or } 8901 \pmod{11868}$ except $n = 345, 645, 3957, 4945$

*continued on next page*

Table 68: Superspectra for  $p = 69$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	44	$n \equiv 1, 529, 4785, 5313, 8097, 8625, 8833, \text{ or } 9361 \pmod{12144}$ except $n = 529, 4785, 5313$
69	45	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 11961 \pmod{12420}$ except $n = 621, 1081, 2025, 2485, 3105, 3565$
69	46	$n \equiv 1, 529, 4233, \text{ or } 4761 \pmod{12696}$ except $n = 529, 4233, 4761$
69	47	$n \equiv 1, 1081, 2209, 7521, 8649, 9729, 10857, \text{ or } 11845 \pmod{12972}$ except $n = 1081, 2209$
69	48	$n \equiv 1, 9729, 10305, \text{ or } 12673 \pmod{13248}$
69	49	$n \equiv 1, 3381, 4117, 4509, 8281, 8625, 12397, \text{ or } 12789 \pmod{13524}$ except $n = 3381, 4117, 4509$
69	50	$n \equiv 1, 2001, 2025, 6601, 6625, 8625, 9201, \text{ or } 13225 \pmod{13800}$ except $n = 2001, 2025, 6601, 6625$
69	51	$n \equiv 1, 2737, 4761, 5797, 7821, 10557, 11017, \text{ or } 13617 \pmod{14076}$ except $n = 2737, 4761, 5797$
69	52	$n \equiv 1, 897, 1105, 4785, 5889, 9361, 10465, \text{ or } 14145 \pmod{14352}$ except $n = 897, 1105, 4785, 5889$
69	53	$n \equiv 1, 1749, 1909, 3657, 6625, 8533, 9753, \text{ or } 11661 \pmod{14628}$ except $n = 1749, 1909, 3657, 6625$
69	54	$n \equiv 1, 2025, 11017, \text{ or } 13041 \pmod{14904}$ except $n = 2025$
69	55	$n \equiv 1, 2025, 2761, 3565, 4785, 5061, 6325, 6601, 7821,$ $8625, 9361, 11385, 11661, 12145, 14421, \text{ or } 14905 \pmod{15180}$ except $n = 2025, 2761, 3565, 4785, 5061, 6325, 6601$
69	56	$n \equiv 1, 897, 4417, 5313, 6049, 10305, 10465, \text{ or } 14721 \pmod{15456}$ except $n = 897, 4417, 5313, 6049$
69	57	$n \equiv 1, 1197, 2737, 3933, 6993, 9729, 9937, \text{ or } 12673 \pmod{15732}$ except $n = 1197, 2737, 3933, 6993$
69	58	$n \equiv 1, 2001, 2553, 4785, 5337, 12673, 13225, \text{ or } 15457 \pmod{16008}$ except $n = 2001, 2553, 4785, 5337$

*continued on next page*

Table 68: Superspectra for  $p = 69$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	59	$n \equiv 1, 1357, 2301, 4485, 7729, 9913, 10857, \text{ or } 12213 \pmod{16284}$ except $n = 1357, 2301, 4485, 7729$
69	60	$n \equiv 1, 3105, 3681, 6625, 9361, 10305, 13041, \text{ or } 15985 \pmod{16560}$ except $n = 3105, 3681, 6625$
69	61	$n \equiv 1, 4209, 4393, 5613, 10005, 11041, 15433, \text{ or } 16653 \pmod{16836}$ except $n = 4209, 4393, 5613$
69	62	$n \equiv 1, 6417, 8649, 9177, 11409, 12121, 14353, \text{ or } 14881 \pmod{17112}$ except $n = 6417$
69	63	$n \equiv 1, 2485, 4509, 6049, 6993, 8533, 10557, \text{ or } 13041 \pmod{17388}$ except $n = 2485, 4509, 6049, 6993, 8533$
69	64	$n \equiv 1, 3841, 5889, \text{ or } 9729 \pmod{17664}$ except $n = 3841, 5889$
69	65	$n \equiv 1, 1105, 2185, 2301, 3381, 4485, 4785, 8281, 9361,$ $10465, 10765, 11661, 11961, 13065, 14145, \text{ or } 17641 \pmod{17940}$ except $n = 1105, 2185, 2301, 3381, 4485, 4785, 8281$
69	66	$n \equiv 1, 2025, 9361, 11385, 12673, 14697, 14905, \text{ or } 16929 \pmod{18216}$ except $n = 2025$
69	67	$n \equiv 1, 805, 6165, 6901, 6969, 7705, 13065, \text{ or } 13869 \pmod{18492}$ except $n = 805, 6165, 6901, 6969, 7705$
69	68	$n \equiv 1, 1105, 1633, 2737, 12513, 13617, 14145, \text{ or } 15249 \pmod{18768}$ except $n = 1105, 1633, 2737$
69	69	$n \equiv 1, 4761, 6877, \text{ or } 16929 \pmod{19044}$ except $n = 4761, 6877$
69	70	$n \equiv 1, 2185, 3865, 4761, 6441, 6601, 8281, 8625, 10305,$ $10465, 12145, 13041, 14721, 16905, 17641, \text{ or } 18585 \pmod{19320}$ except $n = 2185, 3865, 4761, 6441, 6601, 8281, 8625$
69	71	$n \equiv 1, 1633, 2485, 12213, 13065, 14697, 15549, \text{ or } 18745 \pmod{19596}$ except $n = 1633, 2485$
69	72	$n \equiv 1, 3105, 6049, \text{ or } 16929 \pmod{19872}$ except $n = 3105, 6049$
69	73	$n \equiv 1, 5037, 6717, 8833, 9637, 15549, 16353, \text{ or } 18469 \pmod{20148}$ except $n = 5037, 6717, 8833, 9637$

*continued on next page*



Table 68: Superspectra for  $p = 69$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	74	$n \equiv 1, 2553, 6993, 9177, 9361, 13617, 13801, \text{ or } 15985 \pmod{20424}$ except $n = 2553, 6993, 9177, 9361$
69	75	$n \equiv 1, 2025, 6625, 8901, 13501, 15525, 16101, \text{ or } 20125 \pmod{20700}$ except $n = 2025, 6625, 8901$
69	76	$n \equiv 1, 2737, 6993, 9729, 9937, 12673, 16929, \text{ or } 19665 \pmod{20976}$ except $n = 2737, 6993, 9729, 9937$
69	77	$n \equiv 1, 253, 5061, 5313, 5797, 6601, 8625, 10857, 12145,$ $12397, 14169, 14421, 15709, 17941, 19965, \text{ or } 20769 \pmod{21252}$ except $n = 253, 5061, 5313, 5797, 6601, 8625$
69	78	$n \equiv 1, 8073, 8281, 9361, 11961, 17641, 20241, \text{ or } 21321 \pmod{21528}$ except $n = 8073, 8281, 9361$
69	79	$n \equiv 1, 553, 7269, 7821, 8533, 9085, 15801, \text{ or } 16353 \pmod{21804}$ except $n = 553, 7269, 7821, 8533, 9085$
69	80	$n \equiv 1, 3841, 10305, 14145, 14721, 17665, 18561, \text{ or } 21505 \pmod{22080}$ except $n = 3841, 10305$
69	81	$n \equiv 1, 5589, 9477, \text{ or } 18469 \pmod{22356}$ except $n = 5589, 9477$
69	82	$n \equiv 1, 369, 6601, 7545, 13777, 14145, 15457, \text{ or } 21321 \pmod{22632}$ except $n = 369, 6601, 7545$
69	83	$n \equiv 1, 1909, 4233, 5313, 11869, 12949, 15273, \text{ or } 17181 \pmod{22908}$ except $n = 1909, 4233, 5313$
69	84	$n \equiv 1, 2737, 6049, 6993, 10305, 13041, 16353, \text{ or } 19873 \pmod{23184}$ except $n = 2737, 6049, 6993, 10305$
69	85	$n \equiv 1, 1105, 4761, 5865, 6325, 7821, 8925, 9385, 12121,$ $14145, 15181, 17205, 19941, 20401, 21505, \text{ or } 23001 \pmod{23460}$ except $n = 1105, 4761, 5865, 6325, 7821, 8925, 9385$
69	86	$n \equiv 1, 345, 4945, 8257, 12513, 15825, 20425, \text{ or } 20769 \pmod{23736}$ except $n = 345, 4945, 8257$
69	87	$n \equiv 1, 5221, 5337, 7453, 10557, 12673, 12789, \text{ or } 18009 \pmod{24012}$ except $n = 5221, 5337, 7453, 10557$

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Table 68: Superspectra for  $p = 69$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	88	$n \equiv 1, 5313, 8097, 8833, 12673, 16929, 20769, \text{ or } 21505 \pmod{24288}$ except $n = 5313, 8097, 8833$
69	89	$n \equiv 1, 6141, 8901, 13617, 14329, 16377, 17089, \text{ or } 21805 \pmod{24564}$ except $n = 6141, 8901$
69	90	$n \equiv 1, 1081, 2025, 3105, 11961, 13041, 14905, \text{ or } 15985 \pmod{24840}$ except $n = 1081, 2025, 3105, 11961$
69	91	$n \equiv 1, 897, 1197, 2185, 3381, 8281, 8373, 10465, 10557,$ $15457, 16653, 17641, 17941, 18837, 20125, \text{ or } 23829 \pmod{25116}$ except $n = 897, 1197, 2185, 3381, 8281, 8373, 10465, 10557$
69	92	$n \equiv 1, 529, 16929, \text{ or } 17457 \pmod{25392}$ except $n = 529$
69	93	$n \equiv 1, 621, 2853, 3565, 5797, 6417, 8649, \text{ or } 23437 \pmod{25668}$ except $n = 621, 2853, 3565, 5797, 6417, 8649$
69	94	$n \equiv 1, 1081, 2209, 7521, 8649, 9729, 10857, \text{ or } 24817 \pmod{25944}$ except $n = 1081, 2209, 7521, 8649, 9729, 10857$
69	95	$n \equiv 1, 2185, 4485, 5245, 6441, 7981, 11685, 13225, 14421,$ $15181, 17481, 19665, 20425, 22725, 23161, \text{ or } 25461 \pmod{26220}$ except $n = 2185, 4485, 5245, 6441, 7981, 11685$
69	96	$n \equiv 1, 9729, 12673, \text{ or } 23553 \pmod{26496}$ except $n = 9729, 12673$
69	97	$n \equiv 1, 3105, 3589, 6693, 8925, 12513, 20953, \text{ or } 24541 \pmod{26772}$ except $n = 3105, 3589, 6693, 8925, 12513$
69	98	$n \equiv 1, 8281, 8625, 16905, 17641, 18033, 25921, \text{ or } 26313 \pmod{27048}$ except $n = 8281, 8625$
69	99	$n \equiv 1, 2025, 3565, 5589, 14905, 16929, 18469, \text{ or } 20493 \pmod{27324}$ except $n = 2025, 3565, 5589$
69	100	$n \equiv 1, 2001, 6625, 8625, 9201, 15825, 20401, \text{ or } 27025 \pmod{27600}$ except $n = 2001, 6625, 8625, 9201$
69	101	$n \equiv 1, 2829, 4141, 6969, 12121, 16261, 18585, \text{ or } 22725 \pmod{27876}$ except $n = 2829, 4141, 6969, 12121$

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Table 68: Superspectra for  $p = 69$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	102	$n \equiv 1, 2737, 4761, 11017, 13617, 19873, 21897, \text{ or } 24633 \pmod{28152}$ except $n = 2737, 4761, 11017, 13617$
69	103	$n \equiv 1, 4945, 6901, 9477, 11845, 14421, 16377, \text{ or } 21321 \pmod{28428}$ except $n = 4945, 6901, 9477, 11845$
69	104	$n \equiv 1, 897, 5889, 10465, 14145, 15457, 19137, \text{ or } 23713 \pmod{28704}$ except $n = 897, 5889, 10465, 14145$
69	105	$n \equiv 1, 2485, 4761, 7245, 8281, 10305, 11845, 13041, 16101,$ $17641, 18585, 20125, 23185, 24381, 25921, \text{ or } 27945 \pmod{28980}$ except $n = 2485, 4761, 7245, 8281, 10305, 11845, 13041$
69	106	$n \equiv 1, 3657, 6625, 9753, 16377, 16537, 23161, \text{ or } 26289 \pmod{29256}$ except $n = 3657, 6625, 9753$
69	107	$n \equiv 1, 2461, 7705, 14445, 19689, 22149, 24289, \text{ or } 27393 \pmod{29532}$ except $n = 2461, 7705, 14445$
69	108	$n \equiv 1, 13041, 16929, \text{ or } 25921 \pmod{29808}$ except $n = 13041$
69	109	$n \equiv 1, 7521, 10029, 10465, 17113, 20493, 27141, \text{ or } 27577 \pmod{30084}$ except $n = 7521, 10029, 10465$
69	110	$n \equiv 1, 2025, 2761, 4785, 6601, 8625, 9361, 11385, 12145,$ $14905, 18745, 20241, 21505, 23001, 26841, \text{ or } 29601 \pmod{30360}$ except $n = 2025, 2761, 4785, 6601, 8625,$ $9361, 11385, 12145, 14905$
69	111	$n \equiv 1, 6993, 9361, 13617, 15985, 22977, 24013, \text{ or } 29601 \pmod{30636}$ except $n = 6993, 9361, 13617$
69	112	$n \equiv 1, 897, 4417, 5313, 10305, 14721, 21505, \text{ or } 25921 \pmod{30912}$ except $n = 897, 4417, 5313, 10305, 14721$
69	113	$n \equiv 1, 1357, 6441, 7797, 16837, 18193, 20793, \text{ or } 22149 \pmod{31188}$ except $n = 1357, 6441, 7797$
69	114	$n \equiv 1, 2737, 6993, 9729, 9937, 12673, 16929, \text{ or } 19665 \pmod{31464}$ except $n = 2737, 6993, 9729, 9937, 12673$
69	115	$n \equiv 1, 4761, 10581, 13225, 19045, 23805, 25921, \text{ or } 29625 \pmod{31740}$ except $n = 4761, 10581, 13225$

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Table 68: Superspectra for  $p = 69$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
69	116	$n \equiv 1, 2001, 4785, 12673, 15457, 18561, 21345, \text{ or } 29233 \pmod{32016}$ except $n = 2001, 4785, 12673, 15457$
69	117	$n \equiv 1, 8073, 9477, 10557, 11961, 28405, 29809, \text{ or } 30889 \pmod{32292}$ except $n = 8073, 9477, 10557, 11961$
69	118	$n \equiv 1, 7729, 9913, 10857, 17641, 18585, 20769, \text{ or } 28497 \pmod{32568}$ except $n = 7729, 9913, 10857$
69	119	$n \equiv 1, 2737, 3129, 4761, 5797, 8925, 10557, 14077, 15709,$ $18837, 19873, 21505, 21897, 24633, 27693, \text{ or } 29785 \pmod{32844}$ except $n = 2737, 3129, 4761, 5797, 8925, 10557, 14077, 15709$
69	120	$n \equiv 1, 3105, 3681, 6625, 10305, 25921, 29601, \text{ or } 32545 \pmod{33120}$ except $n = 3105, 3681, 6625, 10305$
69	121	$n \equiv 1, 8349, 8833, 11133, 19965, 21781, 30613, \text{ or } 32913 \pmod{33396}$ except $n = 8349, 8833, 11133$
69	122	$n \equiv 1, 4209, 4393, 11041, 15433, 22449, 26841, \text{ or } 33489 \pmod{33672}$ except $n = 4209, 4393, 11041, 15433$
69	123	$n \equiv 1, 369, 4141, 21321, 25093, 25461, 29233, \text{ or } 30177 \pmod{33948}$ except $n = 369, 4141$
69	124	$n \equiv 1, 6417, 11409, 14353, 14881, 25761, 26289, \text{ or } 29233 \pmod{34224}$ except $n = 6417, 11409, 14353, 14881$
69	125	$n \equiv 1, 2001, 6625, 8625, 13501, 20125, 23001, \text{ or } 29625 \pmod{34500}$ except $n = 2001, 6625, 8625, 13501$
69	126	$n \equiv 1, 6049, 6993, 13041, 19873, 21897, 25921, \text{ or } 27945 \pmod{34776}$ except $n = 6049, 6993, 13041$
69	127	$n \equiv 1, 5589, 11685, 14605, 20701, 26289, 28957, \text{ or } 32385 \pmod{35052}$ except $n = 5589, 11685, 14605$
69	128	$n \equiv 1, 9729, 21505, \text{ or } 23553 \pmod{35328}$ except $n = 9729$

Table 69: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 70$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	2	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{560}$ except $n = 161, 225$
70	3	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
70	4	$n \equiv 1, 161, 225, \text{ or } 385 \pmod{1120}$ except $n = 161, 225, 385$
70	5	$n \equiv 1, 225, 1001, \text{ or } 1225 \pmod{1400}$ except $n = 225$
70	6	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
70	7	$n \equiv 1, 441, 785, \text{ or } 1225 \pmod{1960}$ except $n = 441, 785$
70	8	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
70	9	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
70	10	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{2800}$ except $n = 225$
70	11	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
70	12	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
70	13	$n \equiv 1, 105, 1001, 1561, 1625, 2185, 3081, \text{ or } 3185 \pmod{3640}$ except $n = 105, 1001, 1561, 1625$
70	14	$n \equiv 1, 785, 2401, \text{ or } 3185 \pmod{3920}$ except $n = 785$
70	15	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
70	16	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$
70	17	$n \equiv 1, 561, 1225, 1785, 1905, 2465, 4081, \text{ or } 4641 \pmod{4760}$ except $n = 561, 1225, 1785, 1905$
70	18	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$

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Table 69: Superspectra for  $p = 70$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	19	$n \equiv 1, 665, 1065, 1121, 2185, 3801, 4865, \text{ or } 4921 \pmod{5320}$ except $n = 665, 1065, 1121, 2185$
70	20	$n \equiv 1, 225, 2401, \text{ or } 2625 \pmod{5600}$ except $n = 225, 2401, 2625$
70	21	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
70	22	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
70	23	$n \equiv 1, 161, 1841, 2185, 3865, 4025, 4761, \text{ or } 5705 \pmod{6440}$ except $n = 161, 1841, 2185$
70	24	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
70	25	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{7000}$ except $n = 1001, 1625, 2625$
70	26	$n \equiv 1, 3185, 3745, 4641, 5201, 5265, 5825, \text{ or } 6721 \pmod{7280}$ except $n = 3185$
70	27	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
70	28	$n \equiv 1, 2401, 4705, \text{ or } 7105 \pmod{7840}$ except $n = 2401$
70	29	$n \equiv 1, 841, 1625, 2465, 4641, 5481, 6265, \text{ or } 7105 \pmod{8120}$ except $n = 841, 1625, 2465$
70	30	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
70	31	$n \equiv 1, 5425, 5705, 6665, 6945, 7161, 7441, \text{ or } 8401 \pmod{8680}$
70	32	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
70	33	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
70	34	$n \equiv 1, 561, 1905, 2465, 4081, 4641, 5985, \text{ or } 6545 \pmod{9520}$ except $n = 561, 1905, 2465, 4081, 4641$
70	35	$n \equiv 1, 1225, 2401, \text{ or } 8625 \pmod{9800}$ except $n = 1225, 2401$

*continued on next page*

Table 69: Superspectra for  $p = 70$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	36	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
70	37	$n \equiv 1, 1961, 2961, 4145, 4921, 6105, 7105, \text{ or } 9065 \pmod{10360}$ except $n = 1961, 2961, 4145, 4921$
70	38	$n \equiv 1, 1121, 4865, 5985, 6385, 7505, 9121, \text{ or } 10241 \pmod{10640}$ except $n = 1121, 4865$
70	39	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
70	40	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$
70	41	$n \equiv 1, 1681, 2625, 4305, 4921, 6601, 9185, \text{ or } 10865 \pmod{11480}$ except $n = 1681, 2625, 4305, 4921$
70	42	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
70	43	$n \equiv 1, 1505, 2065, 6321, 6665, 6881, 7225, \text{ or } 11481 \pmod{12040}$ except $n = 1505, 2065$
70	44	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
70	45	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
70	46	$n \equiv 1, 161, 1841, 8625, 10305, 10465, 11201, \text{ or } 12145 \pmod{12880}$ except $n = 161, 1841$
70	47	$n \equiv 1, 1505, 2961, 5265, 6721, 8225, 9401, \text{ or } 11985 \pmod{13160}$ except $n = 1505, 2961, 5265$
70	48	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
70	49	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{13720}$ except $n = 2401, 2745, 5145$
70	50	$n \equiv 1, 2625, 8001, \text{ or } 8625 \pmod{14000}$ except $n = 2625$

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Table 69: Superspectra for  $p = 70$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	51	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
70	52	$n \equiv 1, 3745, 4641, 5825, 6721, 10465, 12481, \text{ or } 12545 \pmod{14560}$ except $n = 3745, 4641, 5825, 6721$
70	53	$n \equiv 1, 1961, 2121, 4081, 8905, 10865, 11025, \text{ or } 12985 \pmod{14840}$ except $n = 1961, 2121, 4081$
70	54	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
70	55	$n \equiv 1, 1001, 3025, 6601, 8625, 9625, 9801, \text{ or } 15225 \pmod{15400}$ except $n = 1001, 3025, 6601$
70	56	$n \equiv 1, 7105, 10241, \text{ or } 12545 \pmod{15680}$ except $n = 7105$
70	57	$n \equiv 1, 1065, 2185, 3801, 4921, 5985, 6385, 6441, 9121,$ $10185, 10641, 11305, 11761, 12825, 15505, \text{ or } 15561 \pmod{15960}$ except $n = 1065, 2185, 3801, 4921, 5985, 6385, 6441$
70	58	$n \equiv 1, 2465, 4641, 7105, 8961, 9745, 13601, \text{ or } 14385 \pmod{16240}$ except $n = 2465, 4641, 7105$
70	59	$n \equiv 1, 945, 1121, 2065, 3305, 4425, 14161, \text{ or } 15281 \pmod{16520}$ except $n = 945, 1121, 2065, 3305, 4425$
70	60	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
70	61	$n \equiv 1, 1281, 2745, 6161, 8785, 12201, 13665, \text{ or } 14945 \pmod{17080}$ except $n = 1281, 2745, 6161$
70	62	$n \equiv 1, 5425, 6945, 7441, 8401, 14385, 15345, \text{ or } 15841 \pmod{17360}$ except $n = 5425, 6945, 7441, 8401$
70	63	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
70	64	$n \equiv 1, 3585, 10241, \text{ or } 13825 \pmod{17920}$ except $n = 3585$

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Table 69: Superspectra for  $p = 70$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	65	$n \equiv 1, 1001, 1625, 5201, 5825, 6825, 11025, \text{ or } 14001 \pmod{18200}$ except $n = 1001, 1625, 5201, 5825, 6825$
70	66	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
70	67	$n \equiv 1, 2345, 2681, 7505, 10185, 10921, 13601, \text{ or } 18425 \pmod{18760}$ except $n = 2345, 2681, 7505$
70	68	$n \equiv 1, 2465, 4641, 5985, 10081, 11425, 13601, \text{ or } 16065 \pmod{19040}$ except $n = 2465, 4641, 5985$
70	69	$n \equiv 1, 2185, 3865, 4761, 6441, 6601, 8281, 8625, 10305,$ $10465, 12145, 13041, 14721, 16905, 17641, \text{ or } 18585 \pmod{19320}$ except $n = 2185, 3865, 4761, 6441, 6601, 8281, 8625$
70	70	$n \equiv 1, 2401, 8625, \text{ or } 11025 \pmod{19600}$ except $n = 2401, 8625$
70	71	$n \equiv 1, 1065, 5041, 7385, 11361, 12425, 15905, \text{ or } 16401 \pmod{19880}$ except $n = 1065, 5041, 7385$
70	72	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
70	73	$n \equiv 1, 7665, 9345, 10585, 12265, 15841, 17521, \text{ or } 18761 \pmod{20440}$ except $n = 7665, 9345$
70	74	$n \equiv 1, 2961, 4145, 7105, 12321, 15281, 16465, \text{ or } 19425 \pmod{20720}$ except $n = 2961, 4145, 7105$
70	75	$n \equiv 1, 2625, 8001, 8625, 9625, 14001, 15001, \text{ or } 15625 \pmod{21000}$ except $n = 2625, 8001, 8625, 9625$
70	76	$n \equiv 1, 1121, 4865, 5985, 9121, 10241, 17025, \text{ or } 18145 \pmod{21280}$ except $n = 1121, 4865, 5985, 9121, 10241$
70	77	$n \equiv 1, 441, 8625, 9065, 9801, 10241, 18425, \text{ or } 18865 \pmod{21560}$ except $n = 441, 8625, 9065, 9801, 10241$
70	78	$n \equiv 1, 3745, 4641, 5265, 6721, 7281, 10465, 11025, 12481,$ $13105, 14001, 17745, 19201, 19761, 19825, \text{ or } 20385 \pmod{21840}$ except $n = 3745, 4641, 5265, 6721, 7281, 10465$

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Table 69: Superspectra for  $p = 70$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	79	$n \equiv 1, 3081, 4425, 6321, 7505, 9401, 10745, \text{ or } 13825 \pmod{22120}$ except $n = 3081, 4425, 6321, 7505, 9401, 10745$
70	80	$n \equiv 1, 13825, 17025, \text{ or } 19201 \pmod{22400}$
70	81	$n \equiv 1, 3241, 5265, 8505, 9801, 13041, 18145, \text{ or } 21385 \pmod{22680}$ except $n = 3241, 5265, 8505, 9801$
70	82	$n \equiv 1, 1681, 2625, 4305, 9185, 10865, 16401, \text{ or } 18081 \pmod{22960}$ except $n = 1681, 2625, 4305, 9185, 10865$
70	83	$n \equiv 1, 665, 2241, 2905, 9961, 12201, 13945, \text{ or } 16185 \pmod{23240}$ except $n = 665, 2241, 2905, 9961$
70	84	$n \equiv 1, 2401, 4705, 7105, 15681, 18081, 20385, \text{ or } 22785 \pmod{23520}$ except $n = 2401, 4705, 7105$
70	85	$n \equiv 1, 1225, 7225, 9401, 11425, 13601, 19601, \text{ or } 20825 \pmod{23800}$ except $n = 1225, 7225, 9401, 11425$
70	86	$n \equiv 1, 1505, 2065, 6321, 6881, 18705, 19265, \text{ or } 23521 \pmod{24080}$ except $n = 1505, 2065, 6321, 6881$
70	87	$n \equiv 1, 841, 4641, 5481, 6265, 7105, 8121, 8961, 9745,$ $10585, 14385, 15225, 17865, 18705, 20881, \text{ or } 21721 \pmod{24360}$ except $n = 841, 4641, 5481, 6265, 7105,$ $8121, 8961, 9745, 10585$
70	88	$n \equiv 1, 385, 3521, 6721, 10241, 14785, 18305, \text{ or } 21505 \pmod{24640}$ except $n = 385, 3521, 6721, 10241$
70	89	$n \equiv 1, 4361, 4985, 9345, 11481, 16465, 17801, \text{ or } 22785 \pmod{24920}$ except $n = 4361, 4985, 9345, 11481$
70	90	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
70	91	$n \equiv 1, 3185, 8281, 11025, 12545, 16121, 17641, \text{ or } 20385 \pmod{25480}$ except $n = 3185, 8281, 11025, 12545$
70	92	$n \equiv 1, 161, 10305, 10465, 11201, 14721, 21505, \text{ or } 25025 \pmod{25760}$ except $n = 161, 10305, 10465, 11201$

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Table 69: Superspectra for  $p = 70$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	93	$n \equiv 1, 5425, 6945, 7161, 7441, 8401, 14385, 15345, 15625,$ $15841, 17361, 22785, 23065, 24025, 24801, \text{ or } 25761 \pmod{26040}$ except $n = 5425, 6945, 7161, 7441, 8401$
70	94	$n \equiv 1, 1505, 2961, 5265, 6721, 8225, 11985, \text{ or } 22561 \pmod{26320}$ except $n = 1505, 2961, 5265, 6721, 8225, 11985$
70	95	$n \equiv 1, 3801, 12825, 16625, 17025, 20825, 22401, \text{ or } 26201 \pmod{26600}$ except $n = 3801, 12825$
70	96	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
70	97	$n \equiv 1, 10185, 10865, 11641, 14841, 22505, 25705, \text{ or } 26481 \pmod{27160}$ except $n = 10185, 10865, 11641$
70	98	$n \equiv 1, 2401, 16465, \text{ or } 18865 \pmod{27440}$ except $n = 2401$
70	99	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$
70	100	$n \equiv 1, 2625, 8001, \text{ or } 22625 \pmod{28000}$ except $n = 2625, 8001$
70	101	$n \equiv 1, 505, 2121, 6161, 18585, 22625, 24241, \text{ or } 24745 \pmod{28280}$ except $n = 505, 2121, 6161$
70	102	$n \equiv 1, 561, 1905, 4081, 4641, 5985, 10081, 11425, 11985,$ $14161, 15505, 16065, 19041, 21505, 23121, \text{ or } 25585 \pmod{28560}$ except $n = 561, 1905, 4081, 4641, 5985,$ $10081, 11425, 11985, 14161$
70	103	$n \equiv 1, 721, 8961, 9065, 17305, 18025, 20601, \text{ or } 26265 \pmod{28840}$ except $n = 721, 8961, 9065$
70	104	$n \equiv 1, 5825, 6721, 12481, 12545, 18305, 19201, \text{ or } 25025 \pmod{29120}$ except $n = 5825, 6721, 12481, 12545$
70	105	$n \equiv 1, 1225, 2401, 8625, 9801, 11025, 12201, \text{ or } 28225 \pmod{29400}$ except $n = 1225, 2401, 8625, 9801, 11025, 12201$
70	106	$n \equiv 1, 4081, 10865, 11025, 16801, 16961, 23745, \text{ or } 27825 \pmod{29680}$ except $n = 4081, 10865, 11025$

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Table 69: Superspectra for  $p = 70$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	107	$n \equiv 1, 3745, 8561, 11985, 13161, 20545, 21721, \text{ or } 25145 \pmod{29960}$ except $n = 3745, 8561, 11985, 13161$
70	108	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$
70	109	$n \equiv 1, 4361, 6105, 10465, 16241, 20601, 22345, \text{ or } 26705 \pmod{30520}$ except $n = 4361, 6105, 10465$
70	110	$n \equiv 1, 3025, 8625, 16401, 22001, 25025, 25201, \text{ or } 30625 \pmod{30800}$ except $n = 3025, 8625$
70	111	$n \equiv 1, 2961, 4921, 6105, 7105, 12321, 13321, 14505, 16465,$ $19425, 20721, 22681, 24865, 25641, 27825, \text{ or } 29785 \pmod{31080}$ except $n = 2961, 4921, 6105, 7105, 12321, 13321, 14505$
70	112	$n \equiv 1, 10241, 12545, \text{ or } 22785 \pmod{31360}$ except $n = 10241, 12545$
70	113	$n \equiv 1, 5425, 6441, 11865, 18081, 18985, 24521, \text{ or } 25425 \pmod{31640}$ except $n = 5425, 6441, 11865$
70	114	$n \equiv 1, 5985, 6385, 9121, 10641, 11761, 15505, 17025, 18145,$ $19761, 20881, 22401, 26145, 27265, 28785, \text{ or } 31521 \pmod{31920}$ except $n = 5985, 6385, 9121, 10641, 11761, 15505$
70	115	$n \equiv 1, 4025, 6601, 8625, 11201, 25025, 27601, \text{ or } 29625 \pmod{32200}$ except $n = 4025, 6601, 8625, 11201$
70	116	$n \equiv 1, 2465, 4641, 7105, 8961, 13601, 25985, \text{ or } 30625 \pmod{32480}$ except $n = 2465, 4641, 7105, 8961, 13601$
70	117	$n \equiv 1, 3745, 5265, 7281, 8281, 11025, 13105, 15561, 17641,$ $20385, 21385, 23401, 24921, 28665, 30681, \text{ or } 30745 \pmod{32760}$ except $n = 3745, 5265, 7281, 8281, 11025, 13105, 15561$
70	118	$n \equiv 1, 945, 1121, 2065, 14161, 15281, 19825, \text{ or } 20945 \pmod{33040}$ except $n = 945, 1121, 2065, 14161, 15281$
70	119	$n \equiv 1, 1225, 6665, 14161, 19601, 20825, 26265, \text{ or } 27881 \pmod{33320}$ except $n = 1225, 6665, 14161$
70	120	$n \equiv 1, 2625, 8001, 13825, 17025, 19201, 22401, \text{ or } 28225 \pmod{33600}$ except $n = 2625, 8001, 13825$

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Table 69: Superspectra for  $p = 70$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
70	121	$n \equiv 1, 2905, 3025, 9681, 9801, 12705, 19481, \text{ or } 27105 \pmod{33880}$ except $n = 2905, 3025, 9681, 9801, 12705$
70	122	$n \equiv 1, 1281, 6161, 8785, 13665, 14945, 19825, \text{ or } 29281 \pmod{34160}$ except $n = 1281, 6161, 8785, 13665, 14945$
70	123	$n \equiv 1, 1681, 2625, 4305, 4921, 6601, 11481, 13161, 16401,$ $18081, 20665, 22345, 25585, 27265, 32145, \text{ or } 33825 \pmod{34440}$ except $n = 1681, 2625, 4305, 4921, 6601, 11481, 13161, 16401$
70	124	$n \equiv 1, 6945, 15841, 22785, 24801, 25761, 31745, \text{ or } 32705 \pmod{34720}$ except $n = 6945, 15841$
70	125	$n \equiv 1, 15001, 15625, \text{ or } 30625 \pmod{35000}$ except $n = 15001, 15625$
70	126	$n \equiv 1, 11025, 18081, 18865, 20385, 25921, 27441, \text{ or } 28225 \pmod{35280}$ except $n = 11025$
70	127	$n \equiv 1, 1905, 8001, 14225, 20321, 22225, 23241, \text{ or } 34545 \pmod{35560}$ except $n = 1905, 8001, 14225$
70	128	$n \equiv 1, 10241, 21505, \text{ or } 31745 \pmod{35840}$ except $n = 10241$

Table 70: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 71$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
71	2	$n \equiv 1 \text{ or } 497 \pmod{568}$
71	3	$n \equiv 1, 213, 285, \text{ or } 781 \pmod{852}$ except $n = 213, 285$
71	4	$n \equiv 1 \text{ or } 497 \pmod{1136}$ except $n = 497$
71	5	$n \equiv 1, 285, 781, \text{ or } 1065 \pmod{1420}$ except $n = 285$
71	6	$n \equiv 1, 1065, 1137, \text{ or } 1633 \pmod{1704}$
71	7	$n \equiv 1, 497, 1065, \text{ or } 1421 \pmod{1988}$ except $n = 497$
71	8	$n \equiv 1 \text{ or } 1633 \pmod{2272}$

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Table 70: Superspectra for  $p = 71$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
71	9	$n \equiv 1, 1917, 1989, \text{ or } 2485 \pmod{2556}$
71	10	$n \equiv 1, 1065, 1705, \text{ or } 2201 \pmod{2840}$ except $n = 1065$
71	11	$n \equiv 1, 781, 1705, \text{ or } 2201 \pmod{3124}$ except $n = 781$
71	12	$n \equiv 1, 1137, 1633, \text{ or } 2769 \pmod{3408}$ except $n = 1137, 1633$
71	13	$n \equiv 1, 781, 1989, \text{ or } 2769 \pmod{3692}$ except $n = 781$
71	14	$n \equiv 1, 497, 1065, \text{ or } 3409 \pmod{3976}$ except $n = 497, 1065$
71	15	$n \equiv 1, 285, 781, 1065, 1705, 2485, 2841, \text{ or } 3621 \pmod{4260}$ except $n = 285, 781, 1065, 1705$
71	16	$n \equiv 1 \text{ or } 3905 \pmod{4544}$
71	17	$n \equiv 1, 1633, 1989, \text{ or } 3621 \pmod{4828}$ except $n = 1633, 1989$
71	18	$n \equiv 1, 4473, 4545, \text{ or } 5041 \pmod{5112}$
71	19	$n \equiv 1, 285, 1065, \text{ or } 1349 \pmod{5396}$ except $n = 285, 1065, 1349$
71	20	$n \equiv 1, 3905, 4545, \text{ or } 5041 \pmod{5680}$
71	21	$n \equiv 1, 1065, 1989, 2485, 3409, 4473, 5041, \text{ or } 5397 \pmod{5964}$ except $n = 1065, 1989, 2485$
71	22	$n \equiv 1, 1705, 2201, \text{ or } 3905 \pmod{6248}$ except $n = 1705, 2201$
71	23	$n \equiv 1, 1633, 2485, \text{ or } 5681 \pmod{6532}$ except $n = 1633, 2485$
71	24	$n \equiv 1, 1633, 4545, \text{ or } 6177 \pmod{6816}$ except $n = 1633$
71	25	$n \equiv 1, 2201, 3125, \text{ or } 5325 \pmod{7100}$ except $n = 2201, 3125$
71	26	$n \equiv 1, 2769, 4473, \text{ or } 5681 \pmod{7384}$ except $n = 2769$
71	27	$n \equiv 1, 1917, 2485, \text{ or } 7101 \pmod{7668}$ except $n = 1917, 2485$
71	28	$n \equiv 1, 497, 3409, \text{ or } 5041 \pmod{7952}$ except $n = 497, 3409$
71	29	$n \equiv 1, 1421, 4757, \text{ or } 6177 \pmod{8236}$ except $n = 1421$
71	30	$n \equiv 1, 1065, 1705, 2841, 4545, 5041, 6745, \text{ or } 7881 \pmod{8520}$ except $n = 1065, 1705, 2841$
71	31	$n \equiv 1, 497, 1705, \text{ or } 2201 \pmod{8804}$ except $n = 497, 1705, 2201$

*continued on next page*

Table 70: Superspectra for  $p = 71$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
71	32	$n \equiv 1$ or $8449 \pmod{9088}$
71	33	$n \equiv 1, 781, 1705, 5325, 6249, 7029, 7953,$ or $8449 \pmod{9372}$ except $n = 781, 1705$
71	34	$n \equiv 1, 1633, 6817,$ or $8449 \pmod{9656}$ except $n = 1633$
71	35	$n \equiv 1, 1065, 1421, 2485, 5041, 5965, 6461,$ or $7385 \pmod{9940}$ except $n = 1065, 1421, 2485$
71	36	$n \equiv 1, 4545, 5041,$ or $9585 \pmod{10224}$ except $n = 4545, 5041$
71	37	$n \equiv 1, 7881, 8733,$ or $9657 \pmod{10508}$
71	38	$n \equiv 1, 1065, 5681,$ or $6745 \pmod{10792}$ except $n = 1065$
71	39	$n \equiv 1, 781, 1989, 2769, 3693, 4473, 9373,$ or $10153 \pmod{11076}$ except $n = 781, 1989, 2769, 3693, 4473$
71	40	$n \equiv 1, 3905, 4545,$ or $10721 \pmod{11360}$ except $n = 3905, 4545$
71	41	$n \equiv 1, 3977, 4757,$ or $8733 \pmod{11644}$ except $n = 3977, 4757$
71	42	$n \equiv 1, 1065, 3409, 4473, 5041, 7953, 8449,$ or $11361 \pmod{11928}$ except $n = 1065, 3409, 4473, 5041$
71	43	$n \equiv 1, 3053, 4473,$ or $10793 \pmod{12212}$ except $n = 3053, 4473$
71	44	$n \equiv 1, 3905, 7953,$ or $8449 \pmod{12496}$ except $n = 3905$
71	45	$n \equiv 1, 2485, 4545, 5041, 7101, 9585, 10225,$ or $12141 \pmod{12780}$ except $n = 2485, 4545, 5041$
71	46	$n \equiv 1, 1633, 5681,$ or $9017 \pmod{13064}$ except $n = 1633, 5681$
71	47	$n \equiv 1, 3337, 6533,$ or $10153 \pmod{13348}$ except $n = 3337, 6533$
71	48	$n \equiv 1, 4545, 8449,$ or $12993 \pmod{13632}$ except $n = 4545$
71	49	$n \equiv 1, 1421, 9017,$ or $10437 \pmod{13916}$ except $n = 1421$
71	50	$n \equiv 1, 2201, 10225,$ or $12425 \pmod{14200}$ except $n = 2201$
71	51	$n \equiv 1, 1633, 1989, 3621, 6817, 8449, 9657,$ or $11289 \pmod{14484}$ except $n = 1633, 1989, 3621, 6817$
71	52	$n \equiv 1, 2769, 5681,$ or $11857 \pmod{14768}$ except $n = 2769, 5681$

*continued on next page*

Table 70: Superspectra for  $p = 71$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
71	53	$n \equiv 1, 213, 11077, \text{ or } 11289 \pmod{15052}$ except $n = 213$
71	54	$n \equiv 1, 9585, 10153, \text{ or } 14769 \pmod{15336}$
71	55	$n \equiv 1, 781, 1705, 2201, 3125, 3905, 5325, \text{ or } 14201 \pmod{15620}$ except $n = 781, 1705, 2201, 3125, 3905, 5325$
71	56	$n \equiv 1, 8449, 11361, \text{ or } 12993 \pmod{15904}$
71	57	$n \equiv 1, 285, 1065, 5397, 6745, 11077, 11857, \text{ or } 12141 \pmod{16188}$ except $n = 285, 1065, 5397, 6745$
71	58	$n \equiv 1, 6177, 9657, \text{ or } 12993 \pmod{16472}$ except $n = 6177$
71	59	$n \equiv 1, 4189, 8733, \text{ or } 12213 \pmod{16756}$ except $n = 4189$
71	60	$n \equiv 1, 4545, 5041, 9585, 10225, 11361, 15265, \text{ or } 16401 \pmod{17040}$ except $n = 4545, 5041$
71	61	$n \equiv 1, 3905, 9089, \text{ or } 12993 \pmod{17324}$ except $n = 3905$
71	62	$n \equiv 1, 497, 1705, \text{ or } 2201 \pmod{17608}$ except $n = 497, 1705, 2201$
71	63	$n \equiv 1, 1989, 2485, 4473, 5041, 7029, 15337, \text{ or } 17325 \pmod{17892}$ except $n = 1989, 2485, 4473, 5041, 7029$
71	64	$n \equiv 1 \text{ or } 8449 \pmod{18176}$ except $n = 8449$
71	65	$n \equiv 1, 781, 5681, 6461, 7385, 8165, 13065, \text{ or } 13845 \pmod{18460}$ except $n = 781, 5681, 6461, 7385, 8165$
71	66	$n \equiv 1, 1705, 6249, 7953, 8449, 10153, 14697, \text{ or } 16401 \pmod{18744}$ except $n = 1705, 6249, 7953, 8449$
71	67	$n \equiv 1, 4757, 10721, \text{ or } 13065 \pmod{19028}$ except $n = 4757$
71	68	$n \equiv 1, 1633, 6817, \text{ or } 8449 \pmod{19312}$ except $n = 1633, 6817, 8449$
71	69	$n \equiv 1, 1633, 2485, 12213, 13065, 14697, 15549, \text{ or } 18745 \pmod{19596}$ except $n = 1633, 2485$
71	70	$n \equiv 1, 1065, 5041, 7385, 11361, 12425, 15905, \text{ or } 16401 \pmod{19880}$ except $n = 1065, 5041, 7385$
71	71	$n \equiv 1 \text{ or } 5041 \pmod{20164}$ except $n = 5041$
71	72	$n \equiv 1, 4545, 15265, \text{ or } 19809 \pmod{20448}$ except $n = 4545$

*continued on next page*



Table 70: Superspectra for  $p = 71$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
71	73	$n \equiv 1, 15549, 18105, \text{ or } 18177 \pmod{20732}$
71	74	$n \equiv 1, 7881, 9657, \text{ or } 19241 \pmod{21016}$ except $n = 7881, 9657$
71	75	$n \equiv 1, 5325, 7101, 9301, 10225, 16401, 17325, \text{ or } 19525 \pmod{21300}$ except $n = 5325, 7101, 9301, 10225$
71	76	$n \equiv 1, 5681, 11857, \text{ or } 17537 \pmod{21584}$ except $n = 5681$
71	77	$n \equiv 1, 7029, 7953, 8449, 9373, 16401, 17325, \text{ or } 20945 \pmod{21868}$ except $n = 7029, 7953, 8449, 9373$
71	78	$n \equiv 1, 2769, 4473, 10153, 11857, 13065, 14769, \text{ or } 20449 \pmod{22152}$ except $n = 2769, 4473, 10153$
71	79	$n \equiv 1, 5609, 11929, \text{ or } 16117 \pmod{22436}$ except $n = 5609$
71	80	$n \equiv 1, 3905, 4545, \text{ or } 22081 \pmod{22720}$ except $n = 3905, 4545$
71	81	$n \equiv 1, 17253, 17821, \text{ or } 22437 \pmod{23004}$
71	82	$n \equiv 1, 3977, 16401, \text{ or } 20377 \pmod{23288}$ except $n = 3977$
71	83	$n \equiv 1, 5893, 11289, \text{ or } 18177 \pmod{23572}$ except $n = 5893, 11289$
71	84	$n \equiv 1, 3409, 5041, 7953, 8449, 11361, 12993, \text{ or } 16401 \pmod{23856}$ except $n = 3409, 5041, 7953, 8449, 11361$
71	85	$n \equiv 1, 3621, 6461, 11645, 14485, 18105, 20945, \text{ or } 21301 \pmod{24140}$ except $n = 3621, 6461, 11645$
71	86	$n \equiv 1, 4473, 10793, \text{ or } 15265 \pmod{24424}$ except $n = 4473, 10793$
71	87	$n \equiv 1, 6177, 9657, 12993, 14413, 16473, 17893, \text{ or } 21229 \pmod{24708}$ except $n = 6177, 9657$
71	88	$n \equiv 1, 3905, 8449, \text{ or } 20449 \pmod{24992}$ except $n = 3905, 8449$
71	89	$n \equiv 1, 18957, 19313, \text{ or } 24921 \pmod{25276}$
71	90	$n \equiv 1, 4545, 5041, 9585, 10225, 15265, 19881, \text{ or } 24921 \pmod{25560}$ except $n = 4545, 5041, 9585, 10225$
71	91	$n \equiv 1, 1989, 4473, 6461, 7385, 9373, 22933, \text{ or } 24921 \pmod{25844}$ except $n = 1989, 4473, 6461, 7385, 9373$
71	92	$n \equiv 1, 1633, 5681, \text{ or } 22081 \pmod{26128}$ except $n = 1633, 5681$

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Table 70: Superspectra for  $p = 71$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
71	93	$n \equiv 1, 1705, 8805, 9301, 10509, 11005, 18105, \text{ or } 19809 \pmod{26412}$ except $n = 1705, 8805, 9301, 10509, 11005$
71	94	$n \equiv 1, 3337, 10153, \text{ or } 19881 \pmod{26696}$ except $n = 3337, 10153$
71	95	$n \equiv 1, 285, 1065, 5681, 6461, 6745, 12141, \text{ or } 21585 \pmod{26980}$ except $n = 285, 1065, 5681, 6461, 6745, 12141$
71	96	$n \equiv 1, 8449, 18177, \text{ or } 26625 \pmod{27264}$ except $n = 8449$
71	97	$n \equiv 1, 3977, 16685, \text{ or } 20661 \pmod{27548}$ except $n = 3977$
71	98	$n \equiv 1, 9017, 15337, \text{ or } 24353 \pmod{27832}$ except $n = 9017$
71	99	$n \equiv 1, 7029, 10153, 14697, 17325, 17821, 20449, \text{ or } 24993 \pmod{28116}$ except $n = 7029, 10153$
71	100	$n \equiv 1, 10225, 16401, \text{ or } 26625 \pmod{28400}$ except $n = 10225$
71	101	$n \equiv 1, 4545, 16969, \text{ or } 21513 \pmod{28684}$ except $n = 4545$
71	102	$n \equiv 1, 1633, 6817, 8449, 9657, 11289, 16473, \text{ or } 18105 \pmod{28968}$ except $n = 1633, 6817, 8449, 9657, 11289$
71	103	$n \equiv 1, 7313, 9373, \text{ or } 27193 \pmod{29252}$ except $n = 7313, 9373$
71	104	$n \equiv 1, 17537, 20449, \text{ or } 26625 \pmod{29536}$
71	105	$n \equiv 1, 1065, 2485, 5041, 5965, 11005, 11361, 16401, 17325,$ $19881, 21301, 22365, 24921, 25845, 26341, \text{ or } 27265 \pmod{29820}$ except $n = 1065, 2485, 5041, 5965, 11005, 11361$
71	106	$n \equiv 1, 11289, 15265, \text{ or } 26129 \pmod{30104}$ except $n = 11289$
71	107	$n \equiv 1, 7597, 14981, \text{ or } 23005 \pmod{30388}$ except $n = 7597, 14981$
71	108	$n \equiv 1, 9585, 14769, \text{ or } 25489 \pmod{30672}$ except $n = 9585, 14769$
71	109	$n \equiv 1, 3053, 20165, \text{ or } 23217 \pmod{30956}$ except $n = 3053$
71	110	$n \equiv 1, 1705, 2201, 3905, 14201, 16401, 18745, \text{ or } 20945 \pmod{31240}$ except $n = 1705, 2201, 3905, 14201$
71	111	$n \equiv 1, 7881, 8733, 9657, 10509, 28897, 29749, \text{ or } 30673 \pmod{31524}$ except $n = 7881, 8733, 9657, 10509$
71	112	$n \equiv 1, 8449, 12993, \text{ or } 27265 \pmod{31808}$ except $n = 8449, 12993$

*continued on next page*

Table 70: Superspectra for  $p = 71$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
71	113	$n \equiv 1, 10509, 13561, \text{ or } 24069 \pmod{32092}$ except $n = 10509, 13561$
71	114	$n \equiv 1, 1065, 6745, 11857, 16473, 21585, 27265, \text{ or } 28329 \pmod{32376}$ except $n = 1065, 6745, 11857$
71	115	$n \equiv 1, 2485, 5681, 8165, 13065, 18745, 22081, \text{ or } 27761 \pmod{32660}$ except $n = 2485, 5681, 8165, 13065$
71	116	$n \equiv 1, 6177, 12993, \text{ or } 26129 \pmod{32944}$ except $n = 6177, 12993$
71	117	$n \equiv 1, 1989, 4473, 10153, 14769, 20449, 22933, \text{ or } 24921 \pmod{33228}$ except $n = 1989, 4473, 10153, 14769$
71	118	$n \equiv 1, 20945, 25489, \text{ or } 28969 \pmod{33512}$
71	119	$n \equiv 1, 1989, 6461, 8449, 19313, 20945, 21301, \text{ or } 22933 \pmod{33796}$ except $n = 1989, 6461, 8449$
71	120	$n \equiv 1, 4545, 11361, 15265, 22081, 26625, 27265, \text{ or } 33441 \pmod{34080}$ except $n = 4545, 11361, 15265$
71	121	$n \equiv 1, 5325, 20449, \text{ or } 25773 \pmod{34364}$ except $n = 5325$
71	122	$n \equiv 1, 3905, 9089, \text{ or } 12993 \pmod{34648}$ except $n = 3905, 9089, 12993$
71	123	$n \equiv 1, 8733, 15621, 16401, 20377, 23289, 27265, \text{ or } 28045 \pmod{34932}$ except $n = 8733, 15621, 16401$
71	124	$n \equiv 1, 497, 19313, \text{ or } 19809 \pmod{35216}$ except $n = 497$
71	125	$n \equiv 1, 3125, 23501, \text{ or } 26625 \pmod{35500}$ except $n = 3125$
71	126	$n \equiv 1, 4473, 5041, 15337, 19881, 20377, 24921, \text{ or } 35217 \pmod{35784}$ except $n = 4473, 5041, 15337$
71	127	$n \equiv 1, 9017, 15621, \text{ or } 29465 \pmod{36068}$ except $n = 9017, 15621$
71	128	$n \equiv 1 \text{ or } 26625 \pmod{36352}$

Table 71: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 72$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
72	2	$n \equiv 1$ or $513 \pmod{576}$
72	3	$n \equiv 1$ or $513 \pmod{864}$
72	4	$n \equiv 1$ or $513 \pmod{1152}$ except $n = 513$
72	5	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
72	6	$n \equiv 1$ or $513 \pmod{1728}$ except $n = 513$
72	7	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
72	8	$n \equiv 1$ or $513 \pmod{2304}$ except $n = 513$
72	9	$n \equiv 1$ or $1377 \pmod{2592}$
72	10	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
72	11	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
72	12	$n \equiv 1$ or $513 \pmod{3456}$ except $n = 513$
72	13	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
72	14	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
72	15	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
72	16	$n \equiv 1$ or $513 \pmod{4608}$ except $n = 513$
72	17	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
72	18	$n \equiv 1$ or $3969 \pmod{5184}$
72	19	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
72	20	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
72	21	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
72	22	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
72	23	$n \equiv 1, 3105, 3681, \text{ or } 6049 \pmod{6624}$ except $n = 3105$
72	24	$n \equiv 1$ or $513 \pmod{6912}$ except $n = 513$
72	25	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
72	26	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$

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Table 71: Superspectra for  $p = 72$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
72	27	$n \equiv 1$ or $6561 \pmod{7776}$
72	28	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
72	29	$n \equiv 1, 3393, 4321, \text{ or } 7425 \pmod{8352}$ except $n = 3393$
72	30	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
72	31	$n \equiv 1, 1953, 3969, \text{ or } 6913 \pmod{8928}$ except $n = 1953, 3969$
72	32	$n \equiv 1$ or $5121 \pmod{9216}$
72	33	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
72	34	$n \equiv 1, 1089, 5185, \text{ or } 6273 \pmod{9792}$ except $n = 1089$
72	35	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
72	36	$n \equiv 1$ or $3969 \pmod{10368}$ except $n = 3969$
72	37	$n \equiv 1, 1665, 4033, \text{ or } 8289 \pmod{10656}$ except $n = 1665, 4033$
72	38	$n \equiv 1, 513, 1729, \text{ or } 9729 \pmod{10944}$ except $n = 513, 1729$
72	39	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
72	40	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
72	41	$n \equiv 1, 6273, 6561, \text{ or } 11521 \pmod{11808}$
72	42	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
72	43	$n \equiv 1, 1377, 2881, \text{ or } 4257 \pmod{12384}$ except $n = 1377, 2881, 4257$
72	44	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
72	45	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
72	46	$n \equiv 1, 9729, 10305, \text{ or } 12673 \pmod{13248}$
72	47	$n \equiv 1, 9729, 11233, \text{ or } 12033 \pmod{13536}$
72	48	$n \equiv 1$ or $513 \pmod{13824}$ except $n = 513$
72	49	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
72	50	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
72	51	$n \equiv 1, 1377, 5185, \text{ or } 10881 \pmod{14688}$ except $n = 1377, 5185$

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Table 71: Superspectra for  $p = 72$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
72	52	$n \equiv 1, 1665, 9217, \text{ or } 10881 \pmod{14976}$ except $n = 1665$
72	53	$n \equiv 1, 3393, 6625, \text{ or } 10017 \pmod{15264}$ except $n = 3393, 6625$
72	54	$n \equiv 1 \text{ or } 14337 \pmod{15552}$
72	55	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
72	56	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
72	57	$n \equiv 1, 513, 1729, \text{ or } 15201 \pmod{16416}$ except $n = 513, 1729$
72	58	$n \equiv 1, 3393, 7425, \text{ or } 12673 \pmod{16704}$ except $n = 3393, 7425$
72	59	$n \equiv 1, 4897, 9441, \text{ or } 14337 \pmod{16992}$ except $n = 4897$
72	60	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
72	61	$n \equiv 1, 1953, 5185, \text{ or } 7137 \pmod{17568}$ except $n = 1953, 5185, 7137$
72	62	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{17856}$ except $n = 3969, 6913$
72	63	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
72	64	$n \equiv 1 \text{ or } 14337 \pmod{18432}$
72	65	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
72	66	$n \equiv 1, 7425, 9153, \text{ or } 17281 \pmod{19008}$ except $n = 7425, 9153$
72	67	$n \equiv 1, 2881, 8577, \text{ or } 11457 \pmod{19296}$ except $n = 2881, 8577$
72	68	$n \equiv 1, 6273, 10881, \text{ or } 14977 \pmod{19584}$ except $n = 6273$
72	69	$n \equiv 1, 3105, 6049, \text{ or } 16929 \pmod{19872}$ except $n = 3105, 6049$
72	70	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
72	71	$n \equiv 1, 4545, 15265, \text{ or } 19809 \pmod{20448}$ except $n = 4545$
72	72	$n \equiv 1 \text{ or } 14337 \pmod{20736}$
72	73	$n \equiv 1, 11169, 15841, \text{ or } 16353 \pmod{21024}$
72	74	$n \equiv 1, 1665, 4033, \text{ or } 18945 \pmod{21312}$ except $n = 1665, 4033$

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Table 71: Superspectra for  $p = 72$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
72	75	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
72	76	$n \equiv 1, 513, 9729, \text{ or } 12673 \pmod{21888}$ except $n = 513, 9729$
72	77	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
72	78	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{22464}$ except $n = 1729, 9153, 10881$
72	79	$n \equiv 1, 2529, 13825, \text{ or } 16353 \pmod{22752}$ except $n = 2529$
72	80	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$
72	81	$n \equiv 1 \text{ or } 6561 \pmod{23328}$ except $n = 6561$
72	82	$n \equiv 1, 6273, 11521, \text{ or } 18369 \pmod{23616}$ except $n = 6273, 11521$
72	83	$n \equiv 1, 2241, 4897, \text{ or } 21249 \pmod{23904}$ except $n = 2241, 4897$
72	84	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
72	85	$n \equiv 1, 5185, 5985, 10081, 10881, 16065, 19585, \text{ or } 20961 \pmod{24480}$ except $n = 5185, 5985, 10081, 10881$
72	86	$n \equiv 1, 2881, 13761, \text{ or } 16641 \pmod{24768}$ except $n = 2881$
72	87	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{25056}$ except $n = 4321, 7425, 11745$
72	88	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{25344}$ except $n = 2817, 4609, 7425$
72	89	$n \equiv 1, 801, 5697, \text{ or } 20737 \pmod{25632}$ except $n = 801, 5697$
72	90	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{25920}$ except $n = 5185$
72	91	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
72	92	$n \equiv 1, 9729, 12673, \text{ or } 23553 \pmod{26496}$ except $n = 9729, 12673$
72	93	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{26784}$ except $n = 3969, 6913, 10881$
72	94	$n \equiv 1, 9729, 12033, \text{ or } 24769 \pmod{27072}$ except $n = 9729, 12033$
72	95	$n \equiv 1, 5985, 7201, 10945, 15201, 18145, 22401, \text{ or } 26145 \pmod{27360}$ except $n = 5985, 7201, 10945$
72	96	$n \equiv 1 \text{ or } 14337 \pmod{27648}$
72	97	$n \equiv 1, 3105, 18721, \text{ or } 21825 \pmod{27936}$ except $n = 3105$

*continued on next page*

Table 71: Superspectra for  $p = 72$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
72	98	$n \equiv 1, 3969, 6273, \text{ or } 25921 \pmod{28224}$ except $n = 3969, 6273$
72	99	$n \equiv 1, 7777, 9153, \text{ or } 16929 \pmod{28512}$ except $n = 7777, 9153$
72	100	$n \equiv 1, 7425, 13825, \text{ or } 22401 \pmod{28800}$ except $n = 7425, 13825$
72	101	$n \equiv 1, 4545, 7777, \text{ or } 25857 \pmod{29088}$ except $n = 4545, 7777$
72	102	$n \equiv 1, 5185, 10881, \text{ or } 16065 \pmod{29376}$ except $n = 5185, 10881$
72	103	$n \equiv 1, 13185, 15553, \text{ or } 28737 \pmod{29664}$ except $n = 13185$
72	104	$n \equiv 1, 9217, 16641, \text{ or } 25857 \pmod{29952}$ except $n = 9217$
72	105	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$
72	106	$n \equiv 1, 3393, 21889, \text{ or } 25281 \pmod{30528}$ except $n = 3393$
72	107	$n \equiv 1, 3745, 6849, \text{ or } 10593 \pmod{30816}$ except $n = 3745, 6849, 10593$
72	108	$n \equiv 1 \text{ or } 14337 \pmod{31104}$ except $n = 14337$
72	109	$n \equiv 1, 4033, 24417, \text{ or } 28449 \pmod{31392}$ except $n = 4033$
72	110	$n \equiv 1, 7425, 10945, 13761, 17281, 21825, 25345, \text{ or } 28161 \pmod{31680}$ except $n = 7425, 10945, 13761$
72	111	$n \equiv 1, 8289, 14689, \text{ or } 22977 \pmod{31968}$ except $n = 8289, 14689$
72	112	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{32256}$ except $n = 13825, 14337$
72	113	$n \equiv 1, 9153, 18081, \text{ or } 23617 \pmod{32544}$ except $n = 9153$
72	114	$n \equiv 1, 513, 1729, \text{ or } 31617 \pmod{32832}$ except $n = 513, 1729$
72	115	$n \equiv 1, 3105, 3681, 6625, 10305, 25921, 29601, \text{ or } 32545 \pmod{33120}$ except $n = 3105, 3681, 6625, 10305$
72	116	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{33408}$ except $n = 7425, 12673$
72	117	$n \equiv 1, 9153, 12961, \text{ or } 22113 \pmod{33696}$ except $n = 9153, 12961$
72	118	$n \equiv 1, 14337, 21889, \text{ or } 26433 \pmod{33984}$ except $n = 14337$
72	119	$n \equiv 1, 5985, 6273, 9793, 10081, 16065, 19873, \text{ or } 30465 \pmod{34272}$ except $n = 5985, 6273, 9793, 10081, 16065$
72	120	$n \equiv 1, 7425, 13825, \text{ or } 28161 \pmod{34560}$ except $n = 7425, 13825$

*continued on next page*



Table 71: Superspectra for  $p = 72$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
72	121	$n \equiv 1, 1089, 15489, \text{ or } 20449 \pmod{34848}$ except $n = 1089, 15489$
72	122	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{35136}$ except $n = 5185$
72	123	$n \equiv 1, 6561, 23329, \text{ or } 29889 \pmod{35424}$ except $n = 6561$
72	124	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{35712}$ except $n = 3969, 6913, 10881$
72	125	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{36000}$ except $n = 6625, 8001, 14625$
72	126	$n \equiv 1, 3969, 14337, \text{ or } 25921 \pmod{36288}$ except $n = 3969, 14337$
72	127	$n \equiv 1, 8001, 16129, \text{ or } 28449 \pmod{36576}$ except $n = 8001, 16129$
72	128	$n \equiv 1 \text{ or } 32769 \pmod{36864}$

Table 72: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 73$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
73	2	$n \equiv 1 \text{ or } 73 \pmod{584}$ except $n = 73$
73	3	$n \equiv 1, 73, 585, \text{ or } 657 \pmod{876}$ except $n = 73$
73	4	$n \equiv 1 \text{ or } 657 \pmod{1168}$
73	5	$n \equiv 1, 365, 585, \text{ or } 1241 \pmod{1460}$ except $n = 365, 585$
73	6	$n \equiv 1, 73, 585, \text{ or } 657 \pmod{1752}$ except $n = 73, 585, 657$
73	7	$n \equiv 1, 365, 1169, \text{ or } 1533 \pmod{2044}$ except $n = 365$
73	8	$n \equiv 1 \text{ or } 1825 \pmod{2336}$
73	9	$n \equiv 1, 73, 585, \text{ or } 657 \pmod{2628}$ except $n = 73, 585, 657$
73	10	$n \equiv 1, 585, 1241, \text{ or } 1825 \pmod{2920}$ except $n = 585, 1241$
73	11	$n \equiv 1, 2409, 2629, \text{ or } 2993 \pmod{3212}$
73	12	$n \equiv 1, 657, 1825, \text{ or } 2337 \pmod{3504}$ except $n = 657$
73	13	$n \equiv 1, 365, 585, \text{ or } 949 \pmod{3796}$ except $n = 365, 585, 949$

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Table 72: Superspectra for  $p = 73$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
73	14	$n \equiv 1, 1169, 2409, \text{ or } 3577 \pmod{4088}$ except $n = 1169$
73	15	$n \equiv 1, 585, 1461, 1825, 2701, 3285, 3505, \text{ or } 4161 \pmod{4380}$ except $n = 585, 1461, 1825$
73	16	$n \equiv 1 \text{ or } 4161 \pmod{4672}$
73	17	$n \equiv 1, 1241, 2993, \text{ or } 3213 \pmod{4964}$ except $n = 1241$
73	18	$n \equiv 1, 73, 585, \text{ or } 657 \pmod{5256}$ except $n = 73, 585, 657$
73	19	$n \equiv 1, 1825, 2337, \text{ or } 4161 \pmod{5548}$ except $n = 1825, 2337$
73	20	$n \equiv 1, 1825, 3505, \text{ or } 4161 \pmod{5840}$ except $n = 1825$
73	21	$n \equiv 1, 1533, 2409, 3213, 3577, 4089, 4453, \text{ or } 5257 \pmod{6132}$ except $n = 1533, 2409$
73	22	$n \equiv 1, 2409, 2993, \text{ or } 5841 \pmod{6424}$ except $n = 2409, 2993$
73	23	$n \equiv 1, 2117, 2921, \text{ or } 5037 \pmod{6716}$ except $n = 2117, 2921$
73	24	$n \equiv 1, 1825, 2337, \text{ or } 4161 \pmod{7008}$ except $n = 1825, 2337$
73	25	$n \equiv 1, 1825, 2701, \text{ or } 6425 \pmod{7300}$ except $n = 1825, 2701$
73	26	$n \equiv 1, 585, 4161, \text{ or } 4745 \pmod{7592}$ except $n = 585$
73	27	$n \equiv 1, 2701, 3213, \text{ or } 5913 \pmod{7884}$ except $n = 2701, 3213$
73	28	$n \equiv 1, 1169, 6497, \text{ or } 7665 \pmod{8176}$ except $n = 1169$
73	29	$n \equiv 1, 2117, 4089, \text{ or } 6497 \pmod{8468}$ except $n = 2117, 4089$
73	30	$n \equiv 1, 585, 1825, 3505, 4161, 5841, 7081, \text{ or } 7665 \pmod{8760}$ except $n = 585, 1825, 3505, 4161$
73	31	$n \equiv 1, 1241, 5549, \text{ or } 6789 \pmod{9052}$ except $n = 1241$
73	32	$n \equiv 1 \text{ or } 8833 \pmod{9344}$
73	33	$n \equiv 1, 2409, 2629, 3213, 5841, 6205, 8833, \text{ or } 9417 \pmod{9636}$ except $n = 2409, 2629, 3213$
73	34	$n \equiv 1, 1241, 2993, \text{ or } 8177 \pmod{9928}$ except $n = 1241, 2993$
73	35	$n \equiv 1, 365, 2045, 5621, 7301, 7665, 8541, \text{ or } 9345 \pmod{10220}$ except $n = 365, 2045$

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Table 72: Superspectra for  $p = 73$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
73	36	$n \equiv 1, 657, 5329, \text{ or } 5841 \pmod{10512}$ except $n = 657$
73	37	$n \equiv 1, 2701, 5329, \text{ or } 8177 \pmod{10804}$ except $n = 2701, 5329$
73	38	$n \equiv 1, 1825, 2337, \text{ or } 4161 \pmod{11096}$ except $n = 1825, 2337, 4161$
73	39	$n \equiv 1, 585, 949, 4161, 4381, 7593, 7957, \text{ or } 8541 \pmod{11388}$ except $n = 585, 949, 4161, 4381$
73	40	$n \equiv 1, 1825, 4161, \text{ or } 9345 \pmod{11680}$ except $n = 1825, 4161$
73	41	$n \equiv 1, 657, 2337, \text{ or } 2993 \pmod{11972}$ except $n = 657, 2337, 2993$
73	42	$n \equiv 1, 2409, 3577, 4089, 5257, 7665, 9345, \text{ or } 10585 \pmod{12264}$ except $n = 2409, 3577, 4089, 5257$
73	43	$n \equiv 1, 2409, 7009, \text{ or } 9417 \pmod{12556}$ except $n = 2409$
73	44	$n \equiv 1, 2993, 5841, \text{ or } 8833 \pmod{12848}$ except $n = 2993, 5841$
73	45	$n \equiv 1, 585, 2701, 3285, 5841, 7885, 8541, \text{ or } 10585 \pmod{13140}$ except $n = 585, 2701, 3285, 5841$
73	46	$n \equiv 1, 2921, 8833, \text{ or } 11753 \pmod{13432}$ except $n = 2921$
73	47	$n \equiv 1, 4089, 6205, \text{ or } 10293 \pmod{13724}$ except $n = 4089, 6205$
73	48	$n \equiv 1, 4161, 8833, \text{ or } 9345 \pmod{14016}$ except $n = 4161$
73	49	$n \equiv 1, 3577, 7301, \text{ or } 10585 \pmod{14308}$ except $n = 3577$
73	50	$n \equiv 1, 1825, 6425, \text{ or } 10001 \pmod{14600}$ except $n = 1825, 6425$
73	51	$n \equiv 1, 3213, 4965, 6205, 7957, 11169, 12921, \text{ or } 13141 \pmod{14892}$ except $n = 3213, 4965, 6205$
73	52	$n \equiv 1, 4161, 8177, \text{ or } 12337 \pmod{15184}$ except $n = 4161$
73	53	$n \equiv 1, 3869, 4453, \text{ or } 14893 \pmod{15476}$ except $n = 3869, 4453$
73	54	$n \equiv 1, 5913, 10585, \text{ or } 11097 \pmod{15768}$ except $n = 5913$
73	55	$n \equiv 1, 5621, 5841, 6205, 6425, 12045, 12265, \text{ or } 15841 \pmod{16060}$ except $n = 5621, 5841, 6205, 6425$
73	56	$n \equiv 1, 6497, 9345, \text{ or } 15841 \pmod{16352}$ except $n = 6497$

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Table 72: Superspectra for  $p = 73$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
73	57	$n \equiv 1, 1825, 2337, 4161, 7885, 9709, 11097, \text{ or } 12921 \pmod{16644}$ except $n = 1825, 2337, 4161, 7885$
73	58	$n \equiv 1, 4089, 6497, \text{ or } 10585 \pmod{16936}$ except $n = 4089, 6497$
73	59	$n \equiv 1, 5841, 7081, \text{ or } 12921 \pmod{17228}$ except $n = 5841, 7081$
73	60	$n \equiv 1, 1825, 3505, 4161, 5841, 7665, 9345, \text{ or } 15841 \pmod{17520}$ except $n = 1825, 3505, 4161, 5841, 7665$
73	61	$n \equiv 1, 4453, 8541, \text{ or } 13725 \pmod{17812}$ except $n = 4453, 8541$
73	62	$n \equiv 1, 1241, 14601, \text{ or } 15841 \pmod{18104}$ except $n = 1241$
73	63	$n \equiv 1, 3213, 5257, 8541, 10585, 13797, 15841, \text{ or } 16353 \pmod{18396}$ except $n = 3213, 5257, 8541$
73	64	$n \equiv 1 \text{ or } 18177 \pmod{18688}$
73	65	$n \equiv 1, 365, 585, 4161, 4381, 4745, 8541, \text{ or } 15185 \pmod{18980}$ except $n = 365, 585, 4161, 4381, 4745, 8541$
73	66	$n \equiv 1, 2409, 5841, 8833, 9417, 12265, 12849, \text{ or } 15841 \pmod{19272}$ except $n = 2409, 5841, 8833, 9417$
73	67	$n \equiv 1, 14673, 15477, \text{ or } 18761 \pmod{19564}$
73	68	$n \equiv 1, 2993, 8177, \text{ or } 11169 \pmod{19856}$ except $n = 2993, 8177$
73	69	$n \equiv 1, 5037, 6717, 8833, 9637, 15549, 16353, \text{ or } 18469 \pmod{20148}$ except $n = 5037, 6717, 8833, 9637$
73	70	$n \equiv 1, 7665, 9345, 10585, 12265, 15841, 17521, \text{ or } 18761 \pmod{20440}$ except $n = 7665, 9345$
73	71	$n \equiv 1, 15549, 18105, \text{ or } 18177 \pmod{20732}$
73	72	$n \equiv 1, 11169, 15841, \text{ or } 16353 \pmod{21024}$
73	73	$n \equiv 1 \text{ or } 5329 \pmod{21316}$ except $n = 5329$
73	74	$n \equiv 1, 5329, 8177, \text{ or } 13505 \pmod{21608}$ except $n = 5329, 8177$
73	75	$n \equiv 1, 1825, 2701, 13725, 14601, 16425, 17301, \text{ or } 21025 \pmod{21900}$ except $n = 1825, 2701$
73	76	$n \equiv 1, 1825, 2337, \text{ or } 4161 \pmod{22192}$ except $n = 1825, 2337, 4161$

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Table 72: Superspectra for  $p = 73$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
73	77	$n \equiv 1, 2409, 3213, 5621, 12265, 12629, 15477, \text{ or } 15841 \pmod{22484}$ except $n = 2409, 3213, 5621$
73	78	$n \equiv 1, 585, 4161, 7593, 12337, 15769, 19345, \text{ or } 19929 \pmod{22776}$ except $n = 585, 4161, 7593$
73	79	$n \equiv 1, 949, 16353, \text{ or } 17301 \pmod{23068}$ except $n = 949$
73	80	$n \equiv 1, 4161, 9345, \text{ or } 13505 \pmod{23360}$ except $n = 4161, 9345$
73	81	$n \equiv 1, 5913, 11097, \text{ or } 18469 \pmod{23652}$ except $n = 5913, 11097$
73	82	$n \equiv 1, 657, 2337, \text{ or } 2993 \pmod{23944}$ except $n = 657, 2337, 2993$
73	83	$n \equiv 1, 7885, 10293, \text{ or } 18177 \pmod{24236}$ except $n = 7885, 10293$
73	84	$n \equiv 1, 7665, 9345, 14673, 15841, 16353, 17521, \text{ or } 22849 \pmod{24528}$ except $n = 7665, 9345$
73	85	$n \equiv 1, 1241, 4965, 6205, 12921, 13141, 17885, \text{ or } 18105 \pmod{24820}$ except $n = 1241, 4965, 6205$
73	86	$n \equiv 1, 2409, 7009, \text{ or } 9417 \pmod{25112}$ except $n = 2409, 7009, 9417$
73	87	$n \equiv 1, 4089, 8469, 10585, 14965, 19053, 21025, \text{ or } 23433 \pmod{25404}$ except $n = 4089, 8469, 10585$
73	88	$n \equiv 1, 8833, 15841, \text{ or } 18689 \pmod{25696}$ except $n = 8833$
73	89	$n \equiv 1, 6497, 9345, \text{ or } 23141 \pmod{25988}$ except $n = 6497, 9345$
73	90	$n \equiv 1, 585, 5841, 10585, 15841, 16425, 21025, \text{ or } 21681 \pmod{26280}$ except $n = 585, 5841, 10585$
73	91	$n \equiv 1, 365, 8177, 8541, 11389, 11753, 19565, \text{ or } 19929 \pmod{26572}$ except $n = 365, 8177, 8541, 11389, 11753$
73	92	$n \equiv 1, 8833, 16353, \text{ or } 25185 \pmod{26864}$ except $n = 8833$
73	93	$n \equiv 1, 6789, 10293, 14601, 15841, 18105, 19345, \text{ or } 23653 \pmod{27156}$ except $n = 6789, 10293$
73	94	$n \equiv 1, 4089, 19929, \text{ or } 24017 \pmod{27448}$ except $n = 4089$
73	95	$n \equiv 1, 1825, 4161, 7885, 12921, 16645, 18981, \text{ or } 20805 \pmod{27740}$ except $n = 1825, 4161, 7885, 12921$

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Table 72: Superspectra for  $p = 73$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
73	96	$n \equiv 1, 8833, 9345, \text{ or } 18177 \pmod{28032}$ except $n = 8833, 9345$
73	97	$n \equiv 1, 7081, 7373, \text{ or } 28033 \pmod{28324}$ except $n = 7081, 7373$
73	98	$n \equiv 1, 3577, 10585, \text{ or } 21609 \pmod{28616}$ except $n = 3577, 10585$
73	99	$n \equiv 1, 2629, 3213, 5841, 15841, 18469, 19053, \text{ or } 21681 \pmod{28908}$ except $n = 2629, 3213, 5841$
73	100	$n \equiv 1, 1825, 10001, \text{ or } 21025 \pmod{29200}$ except $n = 1825, 10001$
73	101	$n \equiv 1, 7373, 13433, \text{ or } 23433 \pmod{29492}$ except $n = 7373, 13433$
73	102	$n \equiv 1, 11169, 12921, 18105, 19857, 21097, 22849, \text{ or } 28033 \pmod{29784}$ except $n = 11169, 12921$
73	103	$n \equiv 1, 22557, 24309, \text{ or } 28325 \pmod{30076}$
73	104	$n \equiv 1, 4161, 23361, \text{ or } 27521 \pmod{30368}$ except $n = 4161$
73	105	$n \equiv 1, 7665, 8541, 9345, 10221, 10585, 12265, 15841, 17521,$ $20805, 22485, 26061, 27741, 28105, 28981, \text{ or } 29785 \pmod{30660}$ except $n = 7665, 8541, 9345, 10221, 10585, 12265$
73	106	$n \equiv 1, 19345, 19929, \text{ or } 30369 \pmod{30952}$
73	107	$n \equiv 1, 9417, 14017, \text{ or } 23433 \pmod{31244}$ except $n = 9417, 14017$
73	108	$n \equiv 1, 21681, 26353, \text{ or } 26865 \pmod{31536}$
73	109	$n \equiv 1, 7957, 16133, \text{ or } 23653 \pmod{31828}$ except $n = 7957$
73	110	$n \equiv 1, 5841, 6425, 12265, 15841, 21681, 22265, \text{ or } 28105 \pmod{32120}$ except $n = 5841, 6425, 12265, 15841$
73	111	$n \equiv 1, 2701, 5329, 18981, 21609, 24309, 26937, \text{ or } 29785 \pmod{32412}$ except $n = 2701, 5329$
73	112	$n \equiv 1, 9345, 22849, \text{ or } 32193 \pmod{32704}$ except $n = 9345$
73	113	$n \equiv 1, 8249, 11753, \text{ or } 29493 \pmod{32996}$ except $n = 8249, 11753$
73	114	$n \equiv 1, 1825, 2337, 4161, 11097, 12921, 24529, \text{ or } 26353 \pmod{33288}$ except $n = 1825, 2337, 4161, 11097, 12921$
73	115	$n \equiv 1, 2921, 22265, 25185, 26865, 28981, 29785, \text{ or } 31901 \pmod{33580}$ except $n = 2921$

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Table 72: Superspectra for  $p = 73$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
73	116	$n \equiv 1, 6497, 21025, \text{ or } 27521 \pmod{33872}$ except $n = 6497$
73	117	$n \equiv 1, 585, 7957, 8541, 15769, 18981, 23725, \text{ or } 26937 \pmod{34164}$ except $n = 585, 7957, 8541, 15769$
73	118	$n \equiv 1, 5841, 7081, \text{ or } 12921 \pmod{34456}$ except $n = 5841, 7081, 12921$
73	119	$n \equiv 1, 3213, 8177, 17885, 22849, 26061, 29785, \text{ or } 31025 \pmod{34748}$ except $n = 3213, 8177$
73	120	$n \equiv 1, 1825, 4161, 9345, 15841, 21025, 23361, \text{ or } 25185 \pmod{35040}$ except $n = 1825, 4161, 9345, 15841$
73	121	$n \equiv 1, 8833, 21901, \text{ or } 22265 \pmod{35332}$ except $n = 8833$
73	122	$n \equiv 1, 22265, 26353, \text{ or } 31537 \pmod{35624}$
73	123	$n \equiv 1, 657, 2337, 11973, 14965, 24601, 26281, \text{ or } 26937 \pmod{35916}$ except $n = 657, 2337, 11973, 14965$
73	124	$n \equiv 1, 15841, 19345, \text{ or } 32705 \pmod{36208}$ except $n = 15841$
73	125	$n \equiv 1, 9125, 10001, \text{ or } 35625 \pmod{36500}$ except $n = 9125, 10001$
73	126	$n \equiv 1, 5257, 10585, 15841, 16353, 21609, 26937, \text{ or } 32193 \pmod{36792}$ except $n = 5257, 10585, 15841, 16353$
73	127	$n \equiv 1, 2921, 24893, \text{ or } 27813 \pmod{37084}$ except $n = 2921$
73	128	$n \equiv 1 \text{ or } 36865 \pmod{37376}$

Table 73: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 74$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
74	2	$n \equiv 1 \text{ or } 481 \pmod{592}$
74	3	$n \equiv 1, 297, 481, \text{ or } 777 \pmod{888}$ except $n = 297$
74	4	$n \equiv 1 \text{ or } 481 \pmod{1184}$ except $n = 481$
74	5	$n \equiv 1, 185, 481, \text{ or } 1185 \pmod{1480}$ except $n = 185, 481$

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Table 73: Superspectra for  $p = 74$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
74	6	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{1776}$ except $n = 481$
74	7	$n \equiv 1, 777, 889, \text{ or } 1961 \pmod{2072}$ except $n = 777, 889$
74	8	$n \equiv 1 \text{ or } 1665 \pmod{2368}$
74	9	$n \equiv 1, 297, 1369, \text{ or } 1665 \pmod{2664}$ except $n = 297$
74	10	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{2960}$ except $n = 481, 1185$
74	11	$n \equiv 1, 297, 2553, \text{ or } 2849 \pmod{3256}$ except $n = 297$
74	12	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{3552}$ except $n = 481, 1185, 1665$
74	13	$n \equiv 1, 481, 1665, \text{ or } 2665 \pmod{3848}$ except $n = 481, 1665$
74	14	$n \equiv 1, 2849, 2961, \text{ or } 4033 \pmod{4144}$
74	15	$n \equiv 1, 481, 1185, 1665, 2665, 2961, 3145, \text{ or } 3441 \pmod{4440}$ except $n = 481, 1185, 1665$
74	16	$n \equiv 1 \text{ or } 1665 \pmod{4736}$ except $n = 1665$
74	17	$n \equiv 1, 3145, 3553, \text{ or } 4625 \pmod{5032}$
74	18	$n \equiv 1, 1665, 2961, \text{ or } 4033 \pmod{5328}$ except $n = 1665$
74	19	$n \equiv 1, 1369, 3553, \text{ or } 4921 \pmod{5624}$ except $n = 1369$
74	20	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{5920}$ except $n = 481, 1185, 1665$
74	21	$n \equiv 1, 777, 889, 2073, 2961, 4033, 4921, \text{ or } 6105 \pmod{6216}$ except $n = 777, 889, 2073, 2961$
74	22	$n \equiv 1, 2849, 3553, \text{ or } 5809 \pmod{6512}$ except $n = 2849$
74	23	$n \equiv 1, 185, 2369, \text{ or } 2553 \pmod{6808}$ except $n = 185, 2369, 2553$
74	24	$n \equiv 1, 1665, 4033, \text{ or } 4737 \pmod{7104}$ except $n = 1665$
74	25	$n \equiv 1, 4625, 5625, \text{ or } 6401 \pmod{7400}$
74	26	$n \equiv 1, 481, 1665, \text{ or } 6513 \pmod{7696}$ except $n = 481, 1665$
74	27	$n \equiv 1, 297, 6697, \text{ or } 6993 \pmod{7992}$ except $n = 297$
74	28	$n \equiv 1, 2849, 4033, \text{ or } 7105 \pmod{8288}$ except $n = 2849, 4033$
74	29	$n \equiv 1, 1073, 2553, \text{ or } 7105 \pmod{8584}$ except $n = 1073, 2553$

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Table 73: Superspectra for  $p = 74$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
74	30	$n \equiv 1, 481, 1185, 1665, 2961, 3441, 7105, \text{ or } 7585 \pmod{8880}$ except $n = 481, 1185, 1665, 2961, 3441$
74	31	$n \equiv 1, 3441, 5921, \text{ or } 6697 \pmod{9176}$ except $n = 3441$
74	32	$n \equiv 1 \text{ or } 6401 \pmod{9472}$
74	33	$n \equiv 1, 297, 2553, 3553, 5809, 6105, 6513, \text{ or } 9361 \pmod{9768}$ except $n = 297, 2553, 3553$
74	34	$n \equiv 1, 3553, 4625, \text{ or } 8177 \pmod{10064}$ except $n = 3553, 4625$
74	35	$n \equiv 1, 1961, 2961, 4145, 4921, 6105, 7105, \text{ or } 9065 \pmod{10360}$ except $n = 1961, 2961, 4145, 4921$
74	36	$n \equiv 1, 1665, 4033, \text{ or } 8289 \pmod{10656}$ except $n = 1665, 4033$
74	37	$n \equiv 1 \text{ or } 1369 \pmod{10952}$ except $n = 1369$
74	38	$n \equiv 1, 3553, 6993, \text{ or } 10545 \pmod{11248}$ except $n = 3553$
74	39	$n \equiv 1, 481, 1665, 2665, 3849, 4329, 6513, \text{ or } 9361 \pmod{11544}$ except $n = 481, 1665, 2665, 3849, 4329$
74	40	$n \equiv 1, 1665, 6401, \text{ or } 7105 \pmod{11840}$ except $n = 1665$
74	41	$n \equiv 1, 2665, 4921, \text{ or } 7585 \pmod{12136}$ except $n = 2665, 4921$
74	42	$n \equiv 1, 2961, 4033, 6993, 7105, 8289, 11137, \text{ or } 12321 \pmod{12432}$ except $n = 2961, 4033$
74	43	$n \equiv 1, 3441, 7697, \text{ or } 11137 \pmod{12728}$ except $n = 3441$
74	44	$n \equiv 1, 2849, 3553, \text{ or } 12321 \pmod{13024}$ except $n = 2849, 3553$
74	45	$n \equiv 1, 1665, 2665, 2961, 5625, 9361, 12025, \text{ or } 12321 \pmod{13320}$ except $n = 1665, 2665, 2961, 5625$
74	46	$n \equiv 1, 2369, 6993, \text{ or } 9361 \pmod{13616}$ except $n = 2369$
74	47	$n \equiv 1, 2257, 2961, \text{ or } 5217 \pmod{13912}$ except $n = 2257, 2961, 5217$
74	48	$n \equiv 1, 1665, 4737, \text{ or } 11137 \pmod{14208}$ except $n = 1665, 4737$
74	49	$n \equiv 1, 1961, 7105, \text{ or } 9065 \pmod{14504}$ except $n = 1961, 7105$
74	50	$n \equiv 1, 4625, 6401, \text{ or } 13025 \pmod{14800}$ except $n = 4625, 6401$

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Table 73: Superspectra for  $p = 74$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
74	51	$n \equiv 1, 3145, 3553, 9657, 10065, 13209, 13617, \text{ or } 14689 \pmod{15096}$ except $n = 3145, 3553$
74	52	$n \equiv 1, 481, 1665, \text{ or } 14209 \pmod{15392}$ except $n = 481, 1665$
74	53	$n \equiv 1, 1961, 5513, \text{ or } 12137 \pmod{15688}$ except $n = 1961, 5513$
74	54	$n \equiv 1, 6993, 8289, \text{ or } 14689 \pmod{15984}$ except $n = 6993$
74	55	$n \equiv 1, 6105, 9065, 9361, 10065, 12321, 13025, \text{ or } 13321 \pmod{16280}$ except $n = 6105$
74	56	$n \equiv 1, 4033, 7105, \text{ or } 11137 \pmod{16576}$ except $n = 4033, 7105$
74	57	$n \equiv 1, 1369, 3553, 4921, 5625, 6993, 9177, \text{ or } 10545 \pmod{16872}$ except $n = 1369, 3553, 4921, 5625, 6993$
74	58	$n \equiv 1, 1073, 7105, \text{ or } 11137 \pmod{17168}$ except $n = 1073, 7105$
74	59	$n \equiv 1, 15281, 15577, \text{ or } 17169 \pmod{17464}$
74	60	$n \equiv 1, 481, 1185, 1665, 7105, 7585, 11841, \text{ or } 12321 \pmod{17760}$ except $n = 481, 1185, 1665, 7105, 7585$
74	61	$n \equiv 1, 2257, 10065, \text{ or } 10249 \pmod{18056}$ except $n = 2257$
74	62	$n \equiv 1, 3441, 5921, \text{ or } 15873 \pmod{18352}$ except $n = 3441, 5921$
74	63	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 13321, \text{ or } 17353 \pmod{18648}$ except $n = 2961, 4033, 6993, 8289$
74	64	$n \equiv 1 \text{ or } 15873 \pmod{18944}$
74	65	$n \equiv 1, 481, 1665, 2665, 9361, 10361, 11545, \text{ or } 12025 \pmod{19240}$ except $n = 481, 1665, 2665, 9361$
74	66	$n \equiv 1, 3553, 5809, 6513, 9361, 10065, 12321, \text{ or } 15873 \pmod{19536}$ except $n = 3553, 5809, 6513, 9361$
74	67	$n \equiv 1, 1073, 16281, \text{ or } 17353 \pmod{19832}$ except $n = 1073$
74	68	$n \equiv 1, 3553, 14689, \text{ or } 18241 \pmod{20128}$ except $n = 3553$
74	69	$n \equiv 1, 2553, 6993, 9177, 9361, 13617, 13801, \text{ or } 15985 \pmod{20424}$ except $n = 2553, 6993, 9177, 9361$

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Table 73: Superspectra for  $p = 74$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
74	70	$n \equiv 1, 2961, 4145, 7105, 12321, 15281, 16465, \text{ or } 19425 \pmod{20720}$ except $n = 2961, 4145, 7105$
74	71	$n \equiv 1, 7881, 9657, \text{ or } 19241 \pmod{21016}$ except $n = 7881, 9657$
74	72	$n \equiv 1, 1665, 4033, \text{ or } 18945 \pmod{21312}$ except $n = 1665, 4033$
74	73	$n \equiv 1, 5329, 8177, \text{ or } 13505 \pmod{21608}$ except $n = 5329, 8177$
74	74	$n \equiv 1 \text{ or } 12321 \pmod{21904}$
74	75	$n \equiv 1, 5625, 7401, 12025, 13801, 19425, 20425, \text{ or } 21201 \pmod{22200}$ except $n = 5625, 7401$
74	76	$n \equiv 1, 3553, 18241, \text{ or } 21793 \pmod{22496}$ except $n = 3553$
74	77	$n \equiv 1, 2849, 6105, 9065, 12321, 13321, 16577, \text{ or } 19537 \pmod{22792}$ except $n = 2849, 6105, 9065$
74	78	$n \equiv 1, 481, 1665, 6513, 9361, 14209, 15393, \text{ or } 15873 \pmod{23088}$ except $n = 481, 1665, 6513, 9361$
74	79	$n \equiv 1, 1185, 7585, \text{ or } 8769 \pmod{23384}$ except $n = 1185, 7585, 8769$
74	80	$n \equiv 1, 1665, 6401, \text{ or } 18945 \pmod{23680}$ except $n = 1665, 6401$
74	81	$n \equiv 1, 14985, 16281, \text{ or } 22681 \pmod{23976}$
74	82	$n \equiv 1, 7585, 14801, \text{ or } 17057 \pmod{24272}$ except $n = 7585$
74	83	$n \equiv 1, 8881, 12617, \text{ or } 21497 \pmod{24568}$ except $n = 8881$
74	84	$n \equiv 1, 4033, 7105, 8289, 11137, 12321, 15393, \text{ or } 19425 \pmod{24864}$ except $n = 4033, 7105, 8289, 11137, 12321$
74	85	$n \equiv 1, 3145, 4625, 8585, 10065, 18241, 19721, \text{ or } 23681 \pmod{25160}$ except $n = 3145, 4625, 8585, 10065$
74	86	$n \equiv 1, 3441, 7697, \text{ or } 11137 \pmod{25456}$ except $n = 3441, 7697, 11137$
74	87	$n \equiv 1, 2553, 7105, 9657, 11137, 17169, 18241, \text{ or } 24273 \pmod{25752}$ except $n = 2553, 7105, 9657, 11137$
74	88	$n \equiv 1, 15873, 16577, \text{ or } 25345 \pmod{26048}$
74	89	$n \equiv 1, 2849, 13617, \text{ or } 16465 \pmod{26344}$ except $n = 2849$

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Table 73: Superspectra for  $p = 74$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
74	90	$n \equiv 1, 1665, 2961, 9361, 12321, 15985, 18945, \text{ or } 25345 \pmod{26640}$ except $n = 1665, 2961, 9361, 12321$
74	91	$n \equiv 1, 8177, 10361, 13209, 15393, 23569, 24753, \text{ or } 25753 \pmod{26936}$ except $n = 8177, 10361, 13209$
74	92	$n \equiv 1, 2369, 20609, \text{ or } 22977 \pmod{27232}$ except $n = 2369$
74	93	$n \equiv 1, 3441, 6697, 9177, 15097, 15873, 21793, \text{ or } 24273 \pmod{27528}$ except $n = 3441, 6697, 9177$
74	94	$n \equiv 1, 2257, 2961, \text{ or } 5217 \pmod{27824}$ except $n = 2257, 2961, 5217$
74	95	$n \equiv 1, 4921, 5625, 10545, 14801, 18241, 20425, \text{ or } 23865 \pmod{28120}$ except $n = 4921, 5625, 10545$
74	96	$n \equiv 1, 15873, 18945, \text{ or } 25345 \pmod{28416}$
74	97	$n \equiv 1, 777, 17169, \text{ or } 17945 \pmod{28712}$ except $n = 777$
74	98	$n \equiv 1, 7105, 16465, \text{ or } 23569 \pmod{29008}$ except $n = 7105$
74	99	$n \equiv 1, 297, 9361, 12321, 13321, 16281, 25345, \text{ or } 25641 \pmod{29304}$ except $n = 297, 9361, 12321, 13321$
74	100	$n \equiv 1, 6401, 13025, \text{ or } 19425 \pmod{29600}$ except $n = 6401, 13025$
74	101	$n \equiv 1, 3737, 8585, \text{ or } 25049 \pmod{29896}$ except $n = 3737, 8585$
74	102	$n \equiv 1, 3553, 10065, 13617, 14689, 18241, 24753, \text{ or } 28305 \pmod{30192}$ except $n = 3553, 10065, 13617, 14689$
74	103	$n \equiv 1, 2369, 9065, \text{ or } 11433 \pmod{30488}$ except $n = 2369, 9065, 11433$
74	104	$n \equiv 1, 1665, 14209, \text{ or } 15873 \pmod{30784}$ except $n = 1665, 14209$
74	105	$n \equiv 1, 2961, 4921, 6105, 7105, 12321, 13321, 14505, 16465,$ $19425, 20721, 22681, 24865, 25641, 27825, \text{ or } 29785 \pmod{31080}$ except $n = 2961, 4921, 6105, 7105, 12321, 13321, 14505$
74	106	$n \equiv 1, 17649, 21201, \text{ or } 27825 \pmod{31376}$
74	107	$n \equiv 1, 8881, 18833, \text{ or } 27713 \pmod{31672}$ except $n = 8881$
74	108	$n \equiv 1, 8289, 14689, \text{ or } 22977 \pmod{31968}$ except $n = 8289, 14689$
74	109	$n \equiv 1, 4033, 6105, \text{ or } 30193 \pmod{32264}$ except $n = 4033, 6105$

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Table 73: Superspectra for  $p = 74$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
74	110	$n \equiv 1, 9361, 10065, 12321, 13025, 22385, 25345, \text{ or } 29601 \pmod{32560}$ except $n = 9361, 10065, 12321, 13025$
74	111	$n \equiv 1, 1369, 10953, \text{ or } 12321 \pmod{32856}$ except $n = 1369, 10953, 12321$
74	112	$n \equiv 1, 11137, 20609, \text{ or } 23681 \pmod{33152}$ except $n = 11137$
74	113	$n \equiv 1, 20905, 27121, \text{ or } 27233 \pmod{33448}$
74	114	$n \equiv 1, 3553, 6993, 10545, 18241, 21793, 22497, \text{ or } 26049 \pmod{33744}$ except $n = 3553, 6993, 10545$
74	115	$n \equiv 1, 185, 9361, 13801, 15985, 20425, 29601, \text{ or } 29785 \pmod{34040}$ except $n = 185, 9361, 13801, 15985$
74	116	$n \equiv 1, 7105, 11137, \text{ or } 18241 \pmod{34336}$ except $n = 7105, 11137$
74	117	$n \equiv 1, 1665, 2665, 4329, 9361, 12025, 26937, \text{ or } 29601 \pmod{34632}$ except $n = 1665, 2665, 4329, 9361, 12025$
74	118	$n \equiv 1, 15281, 17169, \text{ or } 33041 \pmod{34928}$ except $n = 15281, 17169$
74	119	$n \equiv 1, 5033, 8177, 13209, 18649, 23681, 24753, \text{ or } 29785 \pmod{35224}$ except $n = 5033, 8177, 13209$
74	120	$n \equiv 1, 1665, 7105, 11841, 18241, 18945, 25345, \text{ or } 30081 \pmod{35520}$ except $n = 1665, 7105, 11841$
74	121	$n \equiv 1, 5809, 16577, \text{ or } 22385 \pmod{35816}$ except $n = 5809, 16577$
74	122	$n \equiv 1, 2257, 10065, \text{ or } 28305 \pmod{36112}$ except $n = 2257, 10065$
74	123	$n \equiv 1, 2665, 4921, 7585, 24273, 26937, 29193, \text{ or } 31857 \pmod{36408}$ except $n = 2665, 4921, 7585$
74	124	$n \equiv 1, 5921, 15873, \text{ or } 21793 \pmod{36704}$ except $n = 5921, 15873$
74	125	$n \equiv 1, 4625, 5625, \text{ or } 36001 \pmod{37000}$ except $n = 4625, 5625$
74	126	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 31969, \text{ or } 36001 \pmod{37296}$ except $n = 2961, 4033, 6993, 8289, 12321$
74	127	$n \equiv 1, 889, 13209, \text{ or } 14097 \pmod{37592}$ except $n = 889, 13209, 14097$
74	128	$n \equiv 1 \text{ or } 34817 \pmod{37888}$

Table 74: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 75$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
75	2	$n \equiv 1, 25, 201, \text{ or } 225 \pmod{600}$ except $n = 25, 201, 225$
75	3	$n \equiv 1, 225, 325, \text{ or } 801 \pmod{900}$ except $n = 225, 325$
75	4	$n \equiv 1, 225, 625, \text{ or } 801 \pmod{1200}$ except $n = 225$
75	5	$n \equiv 1, 501, 625, \text{ or } 1125 \pmod{1500}$ except $n = 501, 625$
75	6	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
75	7	$n \equiv 1, 225, 301, 525, 925, 1225, 1401, \text{ or } 1701 \pmod{2100}$ except $n = 225, 301, 525, 925$
75	8	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
75	9	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{2700}$ except $n = 325$
75	10	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{3000}$ except $n = 625$
75	11	$n \equiv 1, 825, 925, 1101, 2025, 2101, 3025, \text{ or } 3201 \pmod{3300}$ except $n = 825, 925, 1101$
75	12	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
75	13	$n \equiv 1, 325, 625, 2301, 2601, 2925, 3225, \text{ or } 3601 \pmod{3900}$ except $n = 325, 625$
75	14	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
75	15	$n \equiv 1, 1125, 2125, \text{ or } 3501 \pmod{4500}$ except $n = 1125, 2125$
75	16	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
75	17	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{5100}$ except $n = 901, 1225, 1701, 2125$
75	18	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
75	19	$n \equiv 1, 1425, 1501, 1825, 3325, 3801, 5301, \text{ or } 5625 \pmod{5700}$ except $n = 1425, 1501, 1825$
75	20	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
75	21	$n \equiv 1, 225, 1225, 1701, 3025, 3501, 4501, \text{ or } 4725 \pmod{6300}$ except $n = 225, 1225, 1701, 3025$

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Table 74: Superspectra for  $p = 75$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
75	22	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
75	23	$n \equiv 1, 1725, 2001, 2025, 2301, 6325, 6601, \text{ or } 6625 \pmod{6900}$ except $n = 1725, 2001, 2025, 2301$
75	24	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
75	25	$n \equiv 1, 625, 5001, \text{ or } 5625 \pmod{7500}$ except $n = 625$
75	26	$n \equiv 1, 625, 2601, 3225, 3601, 4225, 6201, \text{ or } 6825 \pmod{7800}$ except $n = 625, 2601, 3225, 3601$
75	27	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{8100}$ except $n = 325, 1701, 2025$
75	28	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
75	29	$n \equiv 1, 2001, 2901, 3625, 4525, 6525, 7425, \text{ or } 7801 \pmod{8700}$ except $n = 2001, 2901, 3625$
75	30	$n \equiv 1, 5625, 6625, \text{ or } 8001 \pmod{9000}$
75	31	$n \equiv 1, 2325, 3225, 5301, 5425, 6201, 6325, \text{ or } 8401 \pmod{9300}$ except $n = 2325, 3225$
75	32	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
75	33	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 7525, \text{ or } 9801 \pmod{9900}$ except $n = 2025, 3025, 4401$
75	34	$n \equiv 1, 1225, 2601, 3825, 6001, 6801, 7225, \text{ or } 8025 \pmod{10200}$ except $n = 1225, 2601, 3825$
75	35	$n \equiv 1, 2625, 3501, 4501, 5125, 8001, 8625, \text{ or } 9625 \pmod{10500}$ except $n = 2625, 3501, 4501, 5125$
75	36	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
75	37	$n \equiv 1, 925, 2701, 5625, 7401, 8325, 9325, \text{ or } 10101 \pmod{11100}$ except $n = 925, 2701$
75	38	$n \equiv 1, 1425, 1825, 3801, 5625, 7201, 9025, \text{ or } 11001 \pmod{11400}$ except $n = 1425, 1825, 3801, 5625$

*continued on next page*

Table 74: Superspectra for  $p = 75$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
75	39	$n \equiv 1, 325, 2601, 2925, 3601, 6201, 8425, \text{ or } 11025 \pmod{11700}$ except $n = 325, 2601, 2925, 3601$
75	40	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
75	41	$n \equiv 1, 2625, 4101, 5125, 6601, 9225, 10701, \text{ or } 10825 \pmod{12300}$ except $n = 2625, 4101, 5125$
75	42	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
75	43	$n \equiv 1, 301, 2925, 3225, 7225, 7525, 8601, \text{ or } 8901 \pmod{12900}$ except $n = 301, 2925, 3225$
75	44	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
75	45	$n \equiv 1, 10125, 11125, \text{ or } 12501 \pmod{13500}$
75	46	$n \equiv 1, 2001, 2025, 6601, 6625, 8625, 9201, \text{ or } 13225 \pmod{13800}$ except $n = 2001, 2025, 6601, 6625$
75	47	$n \equiv 1, 3525, 3901, 4701, 8601, 9025, 12925, \text{ or } 13725 \pmod{14100}$ except $n = 3525, 3901, 4701$
75	48	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
75	49	$n \equiv 1, 1225, 2401, 8625, 9801, 11025, 12201, \text{ or } 13525 \pmod{14700}$ except $n = 1225, 2401$
75	50	$n \equiv 1, 625, 5001, \text{ or } 5625 \pmod{15000}$ except $n = 625, 5001, 5625$
75	51	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{15300}$ except $n = 901, 1225, 1701, 2125, 2601, 2925, 3825$
75	52	$n \equiv 1, 625, 3601, 4225, 10401, 11025, 14001, \text{ or } 14625 \pmod{15600}$ except $n = 625, 3601, 4225$
75	53	$n \equiv 1, 901, 5301, 5725, 6201, 6625, 11025, \text{ or } 11925 \pmod{15900}$ except $n = 901, 5301, 5725, 6201, 6625$
75	54	$n \equiv 1, 2025, 8425, \text{ or } 9801 \pmod{16200}$ except $n = 2025$
75	55	$n \equiv 1, 4125, 6501, 8625, 9625, 11001, 12001, \text{ or } 14125 \pmod{16500}$ except $n = 4125, 6501$

*continued on next page*



Table 74: Superspectra for  $p = 75$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
75	56	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
75	57	$n \equiv 1, 5301, 5625, 7201, 7525, 12825, 14725, \text{ or } 15201 \pmod{17100}$ except $n = 5301, 5625, 7201, 7525$
75	58	$n \equiv 1, 2001, 3625, 7425, 7801, 11601, 13225, \text{ or } 15225 \pmod{17400}$ except $n = 2001, 3625, 7425, 7801$
75	59	$n \equiv 1, 2125, 2301, 4425, 5901, 8025, 14101, \text{ or } 16225 \pmod{17700}$ except $n = 2125, 2301, 4425, 5901, 8025$
75	60	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{18000}$ except $n = 6625, 8001$
75	61	$n \equiv 1, 1525, 5125, 8601, 12201, 13725, 14701, \text{ or } 17325 \pmod{18300}$ except $n = 1525, 5125, 8601$
75	62	$n \equiv 1, 3225, 5425, 6201, 8401, 11625, 14601, \text{ or } 15625 \pmod{18600}$ except $n = 3225, 5425, 6201, 8401$
75	63	$n \equiv 1, 1701, 3025, 4725, 9801, 10801, 12825, \text{ or } 13825 \pmod{18900}$ except $n = 1701, 3025, 4725$
75	64	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
75	65	$n \equiv 1, 625, 6501, 7125, 7501, 8125, 14001, \text{ or } 14625 \pmod{19500}$ except $n = 625, 6501, 7125, 7501, 8125$
75	66	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 17425 \pmod{19800}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
75	67	$n \equiv 1, 201, 4825, 5025, 6901, 11725, 13401, \text{ or } 18225 \pmod{20100}$ except $n = 201, 4825, 5025, 6901$
75	68	$n \equiv 1, 3825, 6001, 6801, 11425, 12801, 17425, \text{ or } 18225 \pmod{20400}$ except $n = 3825, 6001, 6801$
75	69	$n \equiv 1, 2025, 6625, 8901, 13501, 15525, 16101, \text{ or } 20125 \pmod{20700}$ except $n = 2025, 6625, 8901$
75	70	$n \equiv 1, 2625, 8001, 8625, 9625, 14001, 15001, \text{ or } 15625 \pmod{21000}$ except $n = 2625, 8001, 8625, 9625$

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Table 74: Superspectra for  $p = 75$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
75	71	$n \equiv 1, 5325, 7101, 9301, 10225, 16401, 17325, \text{ or } 19525 \pmod{21300}$ except $n = 5325, 7101, 9301, 10225$
75	72	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
75	73	$n \equiv 1, 1825, 2701, 13725, 14601, 16425, 17301, \text{ or } 21025 \pmod{21900}$ except $n = 1825, 2701$
75	74	$n \equiv 1, 5625, 7401, 12025, 13801, 19425, 20425, \text{ or } 21201 \pmod{22200}$ except $n = 5625, 7401$
75	75	$n \equiv 1, 5625, 12501, \text{ or } 15625 \pmod{22500}$ except $n = 5625$
75	76	$n \equiv 1, 1425, 1825, 7201, 9025, 15201, 17025, \text{ or } 22401 \pmod{22800}$ except $n = 1425, 1825, 7201, 9025$
75	77	$n \equiv 1, 925, 2101, 3025, 6601, 7525, 7701, 8625, 8701,$ $9625, 9801, 10725, 14301, 15225, 16401, \text{ or } 17325 \pmod{23100}$ except $n = 925, 2101, 3025, 6601, 7525, 7701,$ $8625, 8701, 9625, 9801, 10725$
75	78	$n \equiv 1, 2601, 3601, 6201, 8425, 11025, 12025, \text{ or } 14625 \pmod{23400}$ except $n = 2601, 3601, 6201, 8425, 11025$
75	79	$n \equiv 1, 1501, 4425, 5925, 12325, 13825, 15801, \text{ or } 17301 \pmod{23700}$ except $n = 1501, 4425, 5925$
75	80	$n \equiv 1, 2625, 8001, \text{ or } 18625 \pmod{24000}$ except $n = 2625, 8001$
75	81	$n \equiv 1, 1701, 16525, \text{ or } 18225 \pmod{24300}$ except $n = 1701$
75	82	$n \equiv 1, 2625, 6601, 9225, 10825, 16401, 17425, \text{ or } 23001 \pmod{24600}$ except $n = 2625, 6601, 9225, 10825$
75	83	$n \equiv 1, 2325, 3901, 6225, 8301, 12201, 18925, \text{ or } 22825 \pmod{24900}$ except $n = 2325, 3901, 6225, 8301, 12201$
75	84	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
75	85	$n \equiv 1, 2125, 6001, 13125, 17001, 19125, 21625, \text{ or } 23001 \pmod{25500}$ except $n = 2125, 6001$

*continued on next page*

Table 74: Superspectra for  $p = 75$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
75	86	$n \equiv 1, 3225, 7225, 8601, 13201, 15825, 20425, \text{ or } 21801 \pmod{25800}$ except $n = 3225, 7225, 8601$
75	87	$n \equiv 1, 6525, 7425, 10701, 11601, 21025, 21925, \text{ or } 25201 \pmod{26100}$ except $n = 6525, 7425, 10701, 11601$
75	88	$n \equiv 1, 3201, 4225, 7425, 12001, 16225, 17601, \text{ or } 21825 \pmod{26400}$ except $n = 3201, 4225, 7425, 12001$
75	89	$n \equiv 1, 801, 1425, 8901, 11125, 18601, 19225, \text{ or } 20025 \pmod{26700}$ except $n = 801, 1425, 8901, 11125$
75	90	$n \equiv 1, 23625, 24625, \text{ or } 26001 \pmod{27000}$
75	91	$n \equiv 1, 6825, 10101, 10725, 11025, 14001, 14301, 14925, 15925,$ $18201, 19201, 19825, 20125, 23101, 23401, \text{ or } 24025 \pmod{27300}$ except $n = 6825, 10101, 10725, 11025$
75	92	$n \equiv 1, 2001, 6625, 8625, 9201, 15825, 20401, \text{ or } 27025 \pmod{27600}$ except $n = 2001, 6625, 8625, 9201$
75	93	$n \equiv 1, 5301, 6201, 14725, 15625, 20925, 21825, \text{ or } 27001 \pmod{27900}$ except $n = 5301, 6201$
75	94	$n \equiv 1, 8601, 9025, 17625, 18001, 18801, 27025, \text{ or } 27825 \pmod{28200}$ except $n = 8601, 9025$
75	95	$n \equiv 1, 1501, 5625, 7125, 9501, 11001, 24625, \text{ or } 26125 \pmod{28500}$ except $n = 1501, 5625, 7125, 9501, 11001$
75	96	$n \equiv 1, 7425, 13825, \text{ or } 22401 \pmod{28800}$ except $n = 7425, 13825$
75	97	$n \equiv 1, 2425, 3201, 8925, 12901, 18625, 19401, \text{ or } 21825 \pmod{29100}$ except $n = 2425, 3201, 8925, 12901$
75	98	$n \equiv 1, 1225, 2401, 8625, 9801, 11025, 12201, \text{ or } 28225 \pmod{29400}$ except $n = 1225, 2401, 8625, 9801, 11025, 12201$
75	99	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 27325 \pmod{29700}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
75	100	$n \equiv 1, 625, 20001, \text{ or } 20625 \pmod{30000}$ except $n = 625$

*continued on next page*

Table 74: Superspectra for  $p = 75$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
75	101	$n \equiv 1, 2425, 10101, 10201, 12525, 12625, 20301, \text{ or } 22725 \pmod{30300}$ except $n = 2425, 10101, 10201, 12525, 12625$
75	102	$n \equiv 1, 1225, 2601, 3825, 16201, 17001, 17425, \text{ or } 18225 \pmod{30600}$ except $n = 1225, 2601, 3825$
75	103	$n \equiv 1, 825, 6901, 7725, 11125, 18025, 20601, \text{ or } 27501 \pmod{30900}$ except $n = 825, 6901, 7725, 11125$
75	104	$n \equiv 1, 4225, 10401, 14625, 16225, 19201, 26625, \text{ or } 29601 \pmod{31200}$ except $n = 4225, 10401, 14625$
75	105	$n \equiv 1, 3501, 4501, 8001, 15625, 19125, 20125, \text{ or } 23625 \pmod{31500}$ except $n = 3501, 4501, 8001, 15625$
75	106	$n \equiv 1, 6201, 6625, 11025, 16801, 21201, 21625, \text{ or } 27825 \pmod{31800}$ except $n = 6201, 6625, 11025$
75	107	$n \equiv 1, 8025, 10701, 14125, 15301, 24825, 26001, \text{ or } 29425 \pmod{32100}$ except $n = 8025, 10701, 14125, 15301$
75	108	$n \equiv 1, 18225, 24625, \text{ or } 26001 \pmod{32400}$
75	109	$n \equiv 1, 2725, 3925, 20601, 21801, 24525, 25725, \text{ or } 31501 \pmod{32700}$ except $n = 2725, 3925$
75	110	$n \equiv 1, 8625, 9625, 11001, 12001, 20625, 23001, \text{ or } 30625 \pmod{33000}$ except $n = 8625, 9625, 11001, 12001$
75	111	$n \equiv 1, 2701, 5625, 8325, 9325, 12025, 29601, \text{ or } 32301 \pmod{33300}$ except $n = 2701, 5625, 8325, 9325, 12025$
75	112	$n \equiv 1, 2625, 8001, 13825, 17025, 19201, 22401, \text{ or } 28225 \pmod{33600}$ except $n = 2625, 8001, 13825$
75	113	$n \equiv 1, 5425, 8701, 11301, 14125, 16725, 20001, \text{ or } 25425 \pmod{33900}$ except $n = 5425, 8701, 11301, 14125, 16725$
75	114	$n \equiv 1, 5625, 7201, 12825, 15201, 22401, 24625, \text{ or } 31825 \pmod{34200}$ except $n = 5625, 7201, 12825, 15201$
75	115	$n \equiv 1, 2001, 6625, 8625, 13501, 20125, 23001, \text{ or } 29625 \pmod{34500}$ except $n = 2001, 6625, 8625, 13501$

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Table 74: Superspectra for  $p = 75$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
75	116	$n \equiv 1, 2001, 7425, 11601, 21025, 25201, 30625, \text{ or } 32625 \pmod{34800}$ except $n = 2001, 7425, 11601$
75	117	$n \equiv 1, 325, 8425, 17901, 26001, 26325, 27001, \text{ or } 34425 \pmod{35100}$ except $n = 325, 8425$
75	118	$n \equiv 1, 4425, 8025, 16225, 19825, 20001, 23601, \text{ or } 31801 \pmod{35400}$ except $n = 4425, 8025, 16225$
75	119	$n \equiv 1, 1225, 1701, 7225, 7701, 8925, 11425, 11901, 13125,$ $19125, 21301, 23325, 25501, 31501, 32725, \text{ or } 33201 \pmod{35700}$ except $n = 1225, 1701, 7225, 7701, 8925, 11425, 11901, 13125$
75	120	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{36000}$ except $n = 6625, 8001, 14625$
75	121	$n \equiv 1, 3025, 5325, 9801, 17425, 21901, 24201, \text{ or } 27225 \pmod{36300}$ except $n = 3025, 5325, 9801, 17425$
75	122	$n \equiv 1, 8601, 12201, 19825, 23425, 32025, 33001, \text{ or } 35625 \pmod{36600}$ except $n = 8601, 12201$
75	123	$n \equiv 1, 9225, 10701, 17425, 18901, 27225, 28701, \text{ or } 35425 \pmod{36900}$ except $n = 9225, 10701, 17425$
75	124	$n \equiv 1, 5425, 8401, 21825, 24801, 30225, 33201, \text{ or } 34225 \pmod{37200}$ except $n = 5425, 8401$
75	125	$n \equiv 1, 12501, 15625, \text{ or } 28125 \pmod{37500}$ except $n = 12501, 15625$
75	126	$n \equiv 1, 3025, 9801, 10801, 12825, 13825, 20601, \text{ or } 23625 \pmod{37800}$ except $n = 3025, 9801, 10801, 12825, 13825$
75	127	$n \equiv 1, 1525, 8001, 9525, 20701, 22225, 25401, \text{ or } 26925 \pmod{38100}$ except $n = 1525, 8001, 9525$
75	128	$n \equiv 1, 12801, 13825, \text{ or } 26625 \pmod{38400}$ except $n = 12801, 13825$

Table 75: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 76$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
76	2	$n \equiv 1$ or $513 \pmod{608}$
76	3	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
76	4	$n \equiv 1$ or $513 \pmod{1216}$ except $n = 513$
76	5	$n \equiv 1, 305, 1121, \text{ or } 1425 \pmod{1520}$ except $n = 305$
76	6	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
76	7	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{2128}$ except $n = 609$
76	8	$n \equiv 1$ or $513 \pmod{2432}$ except $n = 513$
76	9	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
76	10	$n \equiv 1, 1121, 1825, \text{ or } 2945 \pmod{3040}$ except $n = 1121$
76	11	$n \equiv 1, 209, 913, \text{ or } 2641 \pmod{3344}$ except $n = 209, 913$
76	12	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
76	13	$n \equiv 1, 209, 1521, \text{ or } 1729 \pmod{3952}$ except $n = 209, 1521, 1729$
76	14	$n \equiv 1, 609, 1121, \text{ or } 1729 \pmod{4256}$ except $n = 609, 1121, 1729$
76	15	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
76	16	$n \equiv 1$ or $513 \pmod{4864}$ except $n = 513$
76	17	$n \equiv 1, 817, 2737, \text{ or } 3553 \pmod{5168}$ except $n = 817$
76	18	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
76	19	$n \equiv 1$ or $3249 \pmod{5776}$
76	20	$n \equiv 1, 2945, 4161, \text{ or } 4865 \pmod{6080}$ except $n = 2945$
76	21	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
76	22	$n \equiv 1, 3553, 4257, \text{ or } 5985 \pmod{6688}$
76	23	$n \equiv 1, 2737, 2945, \text{ or } 5681 \pmod{6992}$ except $n = 2737, 2945$
76	24	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$

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Table 75: Superspectra for  $p = 76$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
76	25	$n \equiv 1, 1425, 1825, \text{ or } 7201 \pmod{7600}$ except $n = 1425, 1825$
76	26	$n \equiv 1, 1729, 4161, \text{ or } 5473 \pmod{7904}$ except $n = 1729$
76	27	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
76	28	$n \equiv 1, 1729, 4865, \text{ or } 5377 \pmod{8512}$ except $n = 1729$
76	29	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{8816}$ except $n = 609, 3249, 3857$
76	30	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
76	31	$n \equiv 1, 2945, 4465, \text{ or } 7905 \pmod{9424}$ except $n = 2945, 4465$
76	32	$n \equiv 1 \text{ or } 513 \pmod{9728}$ except $n = 513$
76	33	$n \equiv 1, 913, 2641, 3345, 3553, 4257, 5985, \text{ or } 6897 \pmod{10032}$ except $n = 913, 2641, 3345, 3553, 4257$
76	34	$n \equiv 1, 3553, 5985, \text{ or } 7905 \pmod{10336}$ except $n = 3553$
76	35	$n \equiv 1, 1121, 4865, 5985, 6385, 7505, 9121, \text{ or } 10241 \pmod{10640}$ except $n = 1121, 4865$
76	36	$n \equiv 1, 513, 1729, \text{ or } 9729 \pmod{10944}$ except $n = 513, 1729$
76	37	$n \equiv 1, 3553, 6993, \text{ or } 10545 \pmod{11248}$ except $n = 3553$
76	38	$n \equiv 1 \text{ or } 9025 \pmod{11552}$
76	39	$n \equiv 1, 1521, 1729, 4161, 5473, 7905, 8113, \text{ or } 9633 \pmod{11856}$ except $n = 1521, 1729, 4161, 5473$
76	40	$n \equiv 1, 2945, 4865, \text{ or } 10241 \pmod{12160}$ except $n = 2945, 4865$
76	41	$n \equiv 1, 2337, 3649, \text{ or } 11153 \pmod{12464}$ except $n = 2337, 3649$
76	42	$n \equiv 1, 609, 1729, 4257, 5377, 5985, 9121, \text{ or } 9633 \pmod{12768}$ except $n = 609, 1729, 4257, 5377, 5985$
76	43	$n \equiv 1, 817, 4257, \text{ or } 9633 \pmod{13072}$ except $n = 817, 4257$
76	44	$n \equiv 1, 10241, 10945, \text{ or } 12673 \pmod{13376}$
76	45	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$

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Table 75: Superspectra for  $p = 76$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
76	46	$n \equiv 1, 2945, 9729, \text{ or } 12673 \pmod{13984}$ except $n = 2945$
76	47	$n \equiv 1, 4465, 9025, \text{ or } 9729 \pmod{14288}$ except $n = 4465$
76	48	$n \equiv 1, 513, 5377, \text{ or } 9729 \pmod{14592}$ except $n = 513, 5377$
76	49	$n \equiv 1, 10241, 11761, \text{ or } 13377 \pmod{14896}$
76	50	$n \equiv 1, 1825, 7201, \text{ or } 9025 \pmod{15200}$ except $n = 1825, 7201$
76	51	$n \equiv 1, 817, 2737, 3553, 5169, 5985, 7905, \text{ or } 8721 \pmod{15504}$ except $n = 817, 2737, 3553, 5169, 5985$
76	52	$n \equiv 1, 1729, 4161, \text{ or } 13377 \pmod{15808}$ except $n = 1729, 4161$
76	53	$n \equiv 1, 5777, 9329, \text{ or } 15105 \pmod{16112}$ except $n = 5777$
76	54	$n \equiv 1, 513, 1729, \text{ or } 15201 \pmod{16416}$ except $n = 513, 1729$
76	55	$n \equiv 1, 2641, 3345, 5985, 7601, 10241, 10945, \text{ or } 13585 \pmod{16720}$ except $n = 2641, 3345, 5985, 7601$
76	56	$n \equiv 1, 4865, 5377, \text{ or } 10241 \pmod{17024}$ except $n = 4865, 5377$
76	57	$n \equiv 1, 3249, 9025, \text{ or } 11553 \pmod{17328}$ except $n = 3249$
76	58	$n \equiv 1, 609, 12065, \text{ or } 12673 \pmod{17632}$ except $n = 609$
76	59	$n \equiv 1, 1121, 3953, \text{ or } 15105 \pmod{17936}$ except $n = 1121, 3953$
76	60	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
76	61	$n \equiv 1, 305, 7809, \text{ or } 8113 \pmod{18544}$ except $n = 305, 7809, 8113$
76	62	$n \equiv 1, 2945, 7905, \text{ or } 13889 \pmod{18848}$ except $n = 2945, 7905$
76	63	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 18145 \pmod{19152}$ except $n = 1729, 2737, 3249, 4257, 5985, 6993$
76	64	$n \equiv 1 \text{ or } 10241 \pmod{19456}$
76	65	$n \equiv 1, 1521, 4161, 5681, 7905, 9425, 12065, \text{ or } 13585 \pmod{19760}$ except $n = 1521, 4161, 5681, 7905, 9425$
76	66	$n \equiv 1, 3553, 4257, 5985, 10945, 12673, 13377, \text{ or } 16929 \pmod{20064}$ except $n = 3553, 4257, 5985$

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Table 75: Superspectra for  $p = 76$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
76	67	$n \equiv 1, 3953, 7505, \text{ or } 11457 \pmod{20368}$ except $n = 3953, 7505$
76	68	$n \equiv 1, 13889, 16321, \text{ or } 18241 \pmod{20672}$
76	69	$n \equiv 1, 2737, 6993, 9729, 9937, 12673, 16929, \text{ or } 19665 \pmod{20976}$ except $n = 2737, 6993, 9729, 9937$
76	70	$n \equiv 1, 1121, 4865, 5985, 9121, 10241, 17025, \text{ or } 18145 \pmod{21280}$ except $n = 1121, 4865, 5985, 9121, 10241$
76	71	$n \equiv 1, 5681, 11857, \text{ or } 17537 \pmod{21584}$ except $n = 5681$
76	72	$n \equiv 1, 513, 9729, \text{ or } 12673 \pmod{21888}$ except $n = 513, 9729$
76	73	$n \equiv 1, 1825, 2337, \text{ or } 4161 \pmod{22192}$ except $n = 1825, 2337, 4161$
76	74	$n \equiv 1, 3553, 18241, \text{ or } 21793 \pmod{22496}$ except $n = 3553$
76	75	$n \equiv 1, 1425, 1825, 7201, 9025, 15201, 17025, \text{ or } 22401 \pmod{22800}$ except $n = 1425, 1825, 7201, 9025$
76	76	$n \equiv 1 \text{ or } 9025 \pmod{23104}$ except $n = 9025$
76	77	$n \equiv 1, 4257, 5985, 10241, 13377, 16017, 17633, \text{ or } 20273 \pmod{23408}$ except $n = 4257, 5985, 10241$
76	78	$n \equiv 1, 1729, 4161, 5473, 7905, 9633, 13377, \text{ or } 19969 \pmod{23712}$ except $n = 1729, 4161, 5473, 7905, 9633$
76	79	$n \equiv 1, 7505, 10033, \text{ or } 21489 \pmod{24016}$ except $n = 7505, 10033$
76	80	$n \equiv 1, 4865, 10241, \text{ or } 15105 \pmod{24320}$ except $n = 4865, 10241$
76	81	$n \equiv 1, 16929, 18145, \text{ or } 23409 \pmod{24624}$
76	82	$n \equiv 1, 2337, 3649, \text{ or } 23617 \pmod{24928}$ except $n = 2337, 3649$
76	83	$n \equiv 1, 913, 13281, \text{ or } 14193 \pmod{25232}$ except $n = 913$
76	84	$n \equiv 1, 1729, 5377, 13377, 17025, 18753, 21889, \text{ or } 22401 \pmod{25536}$ except $n = 1729, 5377$
76	85	$n \equiv 1, 5985, 7905, 8721, 15505, 16321, 18241, \text{ or } 24225 \pmod{25840}$ except $n = 5985, 7905, 8721$
76	86	$n \equiv 1, 4257, 9633, \text{ or } 13889 \pmod{26144}$ except $n = 4257, 9633$

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Table 75: Superspectra for  $p = 76$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
76	87	$n \equiv 1, 609, 3249, 8817, 12673, 18241, 20881, \text{ or } 21489 \pmod{26448}$ except $n = 609, 3249, 8817, 12673$
76	88	$n \equiv 1, 10241, 12673, \text{ or } 24321 \pmod{26752}$ except $n = 10241, 12673$
76	89	$n \equiv 1, 1425, 3649, \text{ or } 5073 \pmod{27056}$ except $n = 1425, 3649, 5073$
76	90	$n \equiv 1, 5985, 7201, 10945, 15201, 18145, 22401, \text{ or } 26145 \pmod{27360}$ except $n = 5985, 7201, 10945$
76	91	$n \equiv 1, 1729, 8113, 9633, 13377, 16017, 19761, \text{ or } 21281 \pmod{27664}$ except $n = 1729, 8113, 9633, 13377$
76	92	$n \equiv 1, 2945, 9729, \text{ or } 12673 \pmod{27968}$ except $n = 2945, 9729, 12673$
76	93	$n \equiv 1, 4465, 7905, 12369, 17329, 18849, 21793, \text{ or } 23313 \pmod{28272}$ except $n = 4465, 7905, 12369$
76	94	$n \equiv 1, 9025, 9729, \text{ or } 18753 \pmod{28576}$ except $n = 9025, 9729$
76	95	$n \equiv 1, 9025, 14801, \text{ or } 23105 \pmod{28880}$ except $n = 9025$
76	96	$n \equiv 1, 513, 9729, \text{ or } 19969 \pmod{29184}$ except $n = 513, 9729$
76	97	$n \equiv 1, 20273, 24833, \text{ or } 24929 \pmod{29488}$
76	98	$n \equiv 1, 10241, 13377, \text{ or } 26657 \pmod{29792}$ except $n = 10241, 13377$
76	99	$n \equiv 1, 4257, 5985, 10945, 12673, 16929, 23409, \text{ or } 23617 \pmod{30096}$ except $n = 4257, 5985, 10945, 12673$
76	100	$n \equiv 1, 9025, 17025, \text{ or } 22401 \pmod{30400}$ except $n = 9025$
76	101	$n \equiv 1, 28785, 29089, \text{ or } 30401 \pmod{30704}$
76	102	$n \equiv 1, 3553, 5985, 7905, 16321, 18241, 20673, \text{ or } 24225 \pmod{31008}$ except $n = 3553, 5985, 7905$
76	103	$n \equiv 1, 6593, 18849, \text{ or } 25441 \pmod{31312}$ except $n = 6593$
76	104	$n \equiv 1, 17537, 19969, \text{ or } 29185 \pmod{31616}$
76	105	$n \equiv 1, 5985, 6385, 9121, 10641, 11761, 15505, 17025, 18145,$ $19761, 20881, 22401, 26145, 27265, 28785, \text{ or } 31521 \pmod{31920}$ except $n = 5985, 6385, 9121, 10641, 11761, 15505$
76	106	$n \equiv 1, 15105, 21889, \text{ or } 25441 \pmod{32224}$ except $n = 15105$

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Table 75: Superspectra for  $p = 76$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
76	107	$n \equiv 1, 2033, 15409, \text{ or } 19153 \pmod{32528}$ except $n = 2033, 15409$
76	108	$n \equiv 1, 513, 1729, \text{ or } 31617 \pmod{32832}$ except $n = 513, 1729$
76	109	$n \equiv 1, 5777, 8721, \text{ or } 14497 \pmod{33136}$ except $n = 5777, 8721, 14497$
76	110	$n \equiv 1, 5985, 10241, 10945, 19361, 20065, 24321, \text{ or } 30305 \pmod{33440}$ except $n = 5985, 10241, 10945$
76	111	$n \equiv 1, 3553, 6993, 10545, 18241, 21793, 22497, \text{ or } 26049 \pmod{33744}$ except $n = 3553, 6993, 10545$
76	112	$n \equiv 1, 4865, 5377, \text{ or } 10241 \pmod{34048}$ except $n = 4865, 5377, 10241$
76	113	$n \equiv 1, 10849, 12769, \text{ or } 23617 \pmod{34352}$ except $n = 10849, 12769$
76	114	$n \equiv 1, 9025, 11553, \text{ or } 20577 \pmod{34656}$ except $n = 9025, 11553$
76	115	$n \equiv 1, 2945, 5681, 13985, 16721, 19665, 23921, \text{ or } 30705 \pmod{34960}$ except $n = 2945, 5681, 13985, 16721$
76	116	$n \equiv 1, 12673, 18241, \text{ or } 29697 \pmod{35264}$ except $n = 12673$
76	117	$n \equiv 1, 1521, 1729, 5473, 27873, 31617, 31825, \text{ or } 33345 \pmod{35568}$ except $n = 1521, 1729, 5473$
76	118	$n \equiv 1, 1121, 15105, \text{ or } 21889 \pmod{35872}$ except $n = 1121, 15105$
76	119	$n \equiv 1, 2737, 5985, 13889, 15505, 23409, 26657, \text{ or } 29393 \pmod{36176}$ except $n = 2737, 5985, 13889, 15505$
76	120	$n \equiv 1, 15105, 17025, 22401, 24321, 27265, 29185, \text{ or } 34561 \pmod{36480}$ except $n = 15105, 17025$
76	121	$n \equiv 1, 6897, 19361, \text{ or } 24321 \pmod{36784}$ except $n = 6897$
76	122	$n \equiv 1, 7809, 18849, \text{ or } 26657 \pmod{37088}$ except $n = 7809$
76	123	$n \equiv 1, 2337, 3649, 12465, 16113, 23617, 27265, \text{ or } 36081 \pmod{37392}$ except $n = 2337, 3649, 12465, 16113$
76	124	$n \equiv 1, 2945, 13889, \text{ or } 26753 \pmod{37696}$ except $n = 2945, 13889$
76	125	$n \equiv 1, 16625, 24625, \text{ or } 30001 \pmod{38000}$ except $n = 16625$
76	126	$n \equiv 1, 1729, 4257, 5985, 18145, 21889, 22401, \text{ or } 26145 \pmod{38304}$ except $n = 1729, 4257, 5985, 18145$

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Table 75: Superspectra for  $p = 76$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
76	127	$n \equiv 1, 2033, 10033, \text{ or } 12065 \pmod{38608}$ except $n = 2033, 10033, 12065$
76	128	$n \equiv 1 \text{ or } 10241 \pmod{38912}$ except $n = 10241$

Table 76: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 77$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	2	$n \equiv 1, 385, 441, \text{ or } 561 \pmod{616}$
77	3	$n \equiv 1, 133, 253, 309, 385, 441, 561, \text{ or } 693 \pmod{924}$ except $n = 133, 253, 309, 385, 441$
77	4	$n \equiv 1, 385, 561, \text{ or } 1057 \pmod{1232}$ except $n = 385, 561$
77	5	$n \equiv 1, 385, 441, 561, 925, 1001, 1365, \text{ or } 1485 \pmod{1540}$ except $n = 385, 441, 561$
77	6	$n \equiv 1, 385, 441, 561, 1057, 1177, 1233, \text{ or } 1617 \pmod{1848}$ except $n = 385, 441, 561$
77	7	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{2156}$ except $n = 441$
77	8	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$
77	9	$n \equiv 1, 253, 441, 693, 1233, 1485, 1981, \text{ or } 2233 \pmod{2772}$ except $n = 253, 441, 693, 1233$
77	10	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
77	11	$n \equiv 1, 2541, 2905, \text{ or } 3025 \pmod{3388}$
77	12	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
77	13	$n \equiv 1, 1001, 1365, 1925, 2289, 2717, 3081, \text{ or } 3641 \pmod{4004}$ except $n = 1001, 1365, 1925$
77	14	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{4312}$ except $n = 441, 1177, 1617$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	15	$n \equiv 1, 385, 441, 561, 925, 1365, 1485, 1981, 2101,$ $2541, 2905, 3025, 3081, 3465, 4005, \text{ or } 4081 \pmod{4620}$ except $n = 385, 441, 561, 925, 1365, 1485, 1981, 2101$
77	16	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
77	17	$n \equiv 1, 561, 749, 1309, 2465, 3213, 3333, \text{ or } 4081 \pmod{5236}$ except $n = 561, 749, 1309, 2465$
77	18	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
77	19	$n \equiv 1, 77, 133, 1673, 2717, 4257, 4313, \text{ or } 4389 \pmod{5852}$ except $n = 77, 133, 1673, 2717$
77	20	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
77	21	$n \equiv 1, 441, 1177, 1617, 2157, 3333, 4753, \text{ or } 5929 \pmod{6468}$ except $n = 441, 1177, 1617, 2157$
77	22	$n \equiv 1, 2905, 3025, \text{ or } 5929 \pmod{6776}$ except $n = 2905, 3025$
77	23	$n \equiv 1, 253, 1541, 3773, 5061, 5313, 5797, \text{ or } 6601 \pmod{7084}$ except $n = 253, 1541$
77	24	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
77	25	$n \equiv 1, 925, 1001, 1925, 2101, 3025, 6601, \text{ or } 7525 \pmod{7700}$ except $n = 925, 1001, 1925, 2101, 3025$
77	26	$n \equiv 1, 1001, 2289, 3081, 3641, 5369, 5929, \text{ or } 6721 \pmod{8008}$ except $n = 1001, 2289, 3081, 3641$
77	27	$n \equiv 1, 1485, 3025, 3213, 4753, 6237, 6777, \text{ or } 7777 \pmod{8316}$ except $n = 1485, 3025, 3213$
77	28	$n \equiv 1, 1617, 4753, \text{ or } 5489 \pmod{8624}$ except $n = 1617$
77	29	$n \equiv 1, 2233, 2465, 3829, 4873, 6293, 7337, \text{ or } 8701 \pmod{8932}$ except $n = 2233, 2465, 3829$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	30	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
77	31	$n \equiv 1, 869, 1365, 2233, 4929, 5797, 6293, \text{ or } 7161 \pmod{9548}$ except $n = 869, 1365, 2233$
77	32	$n \equiv 1, 385, 1793, \text{ or } 8449 \pmod{9856}$ except $n = 385, 1793$
77	33	$n \equiv 1, 2541, 2905, 3025, 5929, 6777, 9681, \text{ or } 9801 \pmod{10164}$ except $n = 2541, 2905, 3025$
77	34	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 8449, \text{ or } 8569 \pmod{10472}$ except $n = 561, 2465, 4081$
77	35	$n \equiv 1, 441, 7645, 8085, 8625, 9065, 9801, \text{ or } 10241 \pmod{10780}$ except $n = 441$
77	36	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
77	37	$n \equiv 1, 925, 1925, 2849, 5181, 6105, 8141, \text{ or } 9065 \pmod{11396}$ except $n = 925, 1925, 2849, 5181$
77	38	$n \equiv 1, 1673, 4257, 4313, 5929, 5985, 8569, \text{ or } 10241 \pmod{11704}$ except $n = 1673, 4257, 4313$
77	39	$n \equiv 1, 1365, 2289, 3081, 4005, 5005, 5929, 6721, 7645,$ $9009, 9373, 9933, 10297, 10725, 11089, \text{ or } 11649 \pmod{12012}$ except $n = 1365, 2289, 3081, 4005, 5005, 5929$
77	40	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
77	41	$n \equiv 1, 3157, 3773, 6601, 7217, 8569, 9185, \text{ or } 12013 \pmod{12628}$ except $n = 3157, 3773$
77	42	$n \equiv 1, 441, 1177, 1617, 4753, 5929, 8625, \text{ or } 9801 \pmod{12936}$ except $n = 441, 1177, 1617, 4753, 5929$
77	43	$n \equiv 1, 1849, 2409, 4257, 5677, 7525, 8085, \text{ or } 9933 \pmod{13244}$ except $n = 1849, 2409, 4257, 5677$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	44	$n \equiv 1, 3025, 9681, \text{ or } 12705 \pmod{13552}$ except $n = 3025$
77	45	$n \equiv 1, 441, 1485, 1981, 3025, 3465, 4005, 5005, 5545,$ $5985, 7525, 9801, 11341, 11781, 12321, \text{ or } 13321 \pmod{13860}$ except $n = 441, 1485, 1981, 3025, 3465,$ $4005, 5005, 5545, 5985$
77	46	$n \equiv 1, 5313, 6601, 7337, 8625, 10857, 12145, \text{ or } 12881 \pmod{14168}$ except $n = 5313, 6601$
77	47	$n \equiv 1, 2773, 3949, 4137, 6721, 6909, 8085, \text{ or } 10857 \pmod{14476}$ except $n = 2773, 3949, 4137, 6721, 6909$
77	48	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
77	49	$n \equiv 1, 3773, 5489, \text{ or } 13377 \pmod{15092}$ except $n = 3773, 5489$
77	50	$n \equiv 1, 1001, 3025, 6601, 8625, 9625, 9801, \text{ or } 15225 \pmod{15400}$ except $n = 1001, 3025, 6601$
77	51	$n \equiv 1, 561, 1309, 3213, 3333, 4081, 5797, 5985, 7701,$ $8449, 8569, 10473, 11221, 11781, 12937, \text{ or } 14553 \pmod{15708}$ except $n = 561, 1309, 3213, 3333, 4081, 5797, 5985, 7701$
77	52	$n \equiv 1, 2289, 6721, 9009, 11089, 11649, 13377, \text{ or } 13937 \pmod{16016}$ except $n = 2289, 6721$
77	53	$n \equiv 1, 1485, 2597, 4081, 4929, 6413, 13993, \text{ or } 15477 \pmod{16324}$ except $n = 1485, 2597, 4081, 4929, 6413$
77	54	$n \equiv 1, 3025, 4753, 6777, 7777, 9801, 11529, \text{ or } 14553 \pmod{16632}$ except $n = 3025, 4753, 6777, 7777$
77	55	$n \equiv 1, 2541, 2905, 3025, 9681, 9801, 10165, \text{ or } 12705 \pmod{16940}$ except $n = 2541, 2905, 3025$
77	56	$n \equiv 1, 10241, 13377, \text{ or } 14113 \pmod{17248}$
77	57	$n \equiv 1, 133, 4257, 4389, 5853, 5929, 5985, 7525, 8569,$ $10165, 11781, 13377, 14421, 15961, 16017, \text{ or } 16093 \pmod{17556}$ except $n = 133, 4257, 4389, 5853, 5929, 5985, 7525, 8569$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	58	$n \equiv 1, 2233, 2465, 4873, 7337, 12761, 15225, \text{ or } 17633 \pmod{17864}$ except $n = 2233, 2465, 4873, 7337$
77	59	$n \equiv 1, 2597, 2773, 5369, 8261, 10857, 11033, \text{ or } 13629 \pmod{18172}$ except $n = 2597, 2773, 5369, 8261$
77	60	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
77	61	$n \equiv 1, 4697, 5369, 6161, 11529, 11957, 17325, \text{ or } 18117 \pmod{18788}$ except $n = 4697, 5369, 6161$
77	62	$n \equiv 1, 2233, 4929, 7161, 10417, 10913, 15345, \text{ or } 15841 \pmod{19096}$ except $n = 2233, 4929, 7161$
77	63	$n \equiv 1, 441, 4753, 9801, 14113, 14553, 15093, \text{ or } 18865 \pmod{19404}$ except $n = 441, 4753$
77	64	$n \equiv 1, 1793, 8449, \text{ or } 10241 \pmod{19712}$ except $n = 1793, 8449$
77	65	$n \equiv 1, 1001, 1365, 1925, 3081, 3641, 4005, 5005, 6721,$ $7085, 7645, 10725, 14301, 17381, 17941, \text{ or } 18305 \pmod{20020}$ except $n = 1001, 1365, 1925, 3081, 3641,$ $4005, 5005, 6721, 7085, 7645$
77	66	$n \equiv 1, 2905, 3025, 5929, 6777, 9681, 9801, \text{ or } 12705 \pmod{20328}$ except $n = 2905, 3025, 5929, 6777, 9681, 9801$
77	67	$n \equiv 1, 1541, 13937, 15477, 16885, 17689, 18425, \text{ or } 19229 \pmod{20636}$ except $n = 1541$
77	68	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 8449, \text{ or } 19041 \pmod{20944}$ except $n = 561, 2465, 4081, 5985, 6545, 8449$
77	69	$n \equiv 1, 253, 5061, 5313, 5797, 6601, 8625, 10857, 12145,$ $12397, 14169, 14421, 15709, 17941, 19965, \text{ or } 20769 \pmod{21252}$ except $n = 253, 5061, 5313, 5797, 6601, 8625$
77	70	$n \equiv 1, 441, 8625, 9065, 9801, 10241, 18425, \text{ or } 18865 \pmod{21560}$ except $n = 441, 8625, 9065, 9801, 10241$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	71	$n \equiv 1, 7029, 7953, 8449, 9373, 16401, 17325, \text{ or } 20945 \pmod{21868}$ except $n = 7029, 7953, 8449, 9373$
77	72	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
77	73	$n \equiv 1, 2409, 3213, 5621, 12265, 12629, 15477, \text{ or } 15841 \pmod{22484}$ except $n = 2409, 3213, 5621$
77	74	$n \equiv 1, 2849, 6105, 9065, 12321, 13321, 16577, \text{ or } 19537 \pmod{22792}$ except $n = 2849, 6105, 9065$
77	75	$n \equiv 1, 925, 2101, 3025, 6601, 7525, 7701, 8625, 8701,$ $9625, 9801, 10725, 14301, 15225, 16401, \text{ or } 17325 \pmod{23100}$ except $n = 925, 2101, 3025, 6601, 7525, 7701,$ $8625, 8701, 9625, 9801, 10725$
77	76	$n \equiv 1, 4257, 5985, 10241, 13377, 16017, 17633, \text{ or } 20273 \pmod{23408}$ except $n = 4257, 5985, 10241$
77	77	$n \equiv 1, 5929, 9801, \text{ or } 19845 \pmod{23716}$ except $n = 5929, 9801$
77	78	$n \equiv 1, 2289, 3081, 5929, 6721, 9009, 10297, 11089, 11649,$ $13377, 16017, 17017, 19657, 21385, 21945, \text{ or } 22737 \pmod{24024}$ except $n = 2289, 3081, 5929, 6721, 9009, 10297, 11089, 11649$
77	79	$n \equiv 1, 869, 3081, 15169, 17381, 18249, 20461, \text{ or } 22121 \pmod{24332}$ except $n = 869, 3081$
77	80	$n \equiv 1, 385, 3521, 6721, 10241, 14785, 18305, \text{ or } 21505 \pmod{24640}$ except $n = 385, 3521, 6721, 10241$
77	81	$n \equiv 1, 6237, 7777, 9801, 11341, 19845, 21385, \text{ or } 23409 \pmod{24948}$ except $n = 6237, 7777, 9801, 11341$
77	82	$n \equiv 1, 6601, 7217, 8569, 9185, 15785, 16401, \text{ or } 24641 \pmod{25256}$ except $n = 6601, 7217, 8569, 9185$
77	83	$n \equiv 1, 2905, 4565, 5313, 13861, 14609, 16269, \text{ or } 19173 \pmod{25564}$ except $n = 2905, 4565, 5313$
77	84	$n \equiv 1, 1617, 4753, 8625, 13377, 14113, 18865, \text{ or } 22737 \pmod{25872}$ except $n = 1617, 4753, 8625$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	85	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 7701, 11221, 11781,$ 13685, 13805, 18921, 19041, 20945, 21505, or 25025 (mod 26180) except $n = 561, 2465, 4081, 5985, 6545, 7701, 11221, 11781$
77	86	$n \equiv 1, 1849, 2409, 4257, 18921, 20769, 21329,$ or 23177 (mod 26488) except $n = 1849, 2409, 4257$
77	87	$n \equiv 1, 2233, 3829, 4873, 8701, 11397, 15225, 16269, 17865,$ 20097, 20329, 21693, 22737, 24157, 25201, or 26565 (mod 26796) except $n = 2233, 3829, 4873, 8701, 11397$
77	88	$n \equiv 1, 12705, 16577,$ or 23233 (mod 27104)    except $n = 12705$
77	89	$n \equiv 1, 2849, 4005, 6853, 7833, 11837, 22429,$ or 26433 (mod 27412) except $n = 2849, 4005, 6853, 7833, 11837$
77	90	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ 15345, 15841, 17865, 18865, 21385, 25201, or 25641 (mod 27720) except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$
77	91	$n \equiv 1, 5929, 7645, 13377, 15093, 21021, 22737,$ or 26313 (mod 28028) except $n = 5929, 7645, 13377$
77	92	$n \equiv 1, 5313, 8625, 12145, 12881, 20769, 21505,$ or 25025 (mod 28336) except $n = 5313, 8625, 12145, 12881$
77	93	$n \equiv 1, 1365, 2233, 4929, 5797, 7161, 9549, 10417, 11781,$ 15345, 15841, 19965, 20461, 24025, 25389, or 26257 (mod 28644) except $n = 1365, 2233, 4929, 5797, 7161, 9549, 10417, 11781$
77	94	$n \equiv 1, 4137, 6721, 10857, 17249, 18425, 21385,$ or 22561 (mod 28952) except $n = 4137, 6721, 10857$
77	95	$n \equiv 1, 5985, 7525, 10165, 10241, 11705, 11781, 14421, 15961,$ 21945, 23485, 23541, 25081, 26125, 27665, or 27721 (mod 29260) except $n = 5985, 7525, 10165, 10241, 11705, 11781, 14421$
77	96	$n \equiv 1, 385, 8449, 11649, 19713, 20097, 21505,$ or 28161 (mod 29568) except $n = 385, 8449, 11649$
77	97	$n \equiv 1, 2717, 4753, 7469, 17073, 17557, 19789,$ or 20273 (mod 29876) except $n = 2717, 4753, 7469$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	98	$n \equiv 1, 5489, 13377, \text{ or } 18865 \pmod{30184}$ except $n = 5489, 13377$
77	99	$n \equiv 1, 3025, 6777, 9801, 13069, 16093, 19845, \text{ or } 22869 \pmod{30492}$ except $n = 3025, 6777, 9801, 13069$
77	100	$n \equiv 1, 3025, 8625, 16401, 22001, 25025, 25201, \text{ or } 30625 \pmod{30800}$ except $n = 3025, 8625$
77	101	$n \equiv 1, 1617, 3333, 4445, 6161, 7777, 10605, \text{ or } 28281 \pmod{31108}$ except $n = 1617, 3333, 4445, 6161, 7777, 10605$
77	102	$n \equiv 1, 561, 4081, 5985, 8449, 8569, 10473, 12937, 14553,$ $17017, 18921, 19041, 21505, 23409, 26929, \text{ or } 27489 \pmod{31416}$ except $n = 561, 4081, 5985, 8449, 8569, 10473, 12937, 14553$
77	103	$n \equiv 1, 309, 9065, 9373, 14421, 14729, 23485, \text{ or } 23793 \pmod{31724}$ except $n = 309, 9065, 9373, 14421, 14729$
77	104	$n \equiv 1, 6721, 11649, 13377, 18305, 25025, 27105, \text{ or } 29953 \pmod{32032}$ except $n = 6721, 11649, 13377$
77	105	$n \equiv 1, 441, 7645, 8085, 8625, 9801, 11221, 18865, 19405,$ $19845, 20581, 21021, 21561, 29205, 30625, \text{ or } 31801 \pmod{32340}$ except $n = 441, 7645, 8085, 8625, 9801, 11221$
77	106	$n \equiv 1, 4081, 4929, 13993, 17809, 18921, 22737, \text{ or } 31801 \pmod{32648}$ except $n = 4081, 4929, 13993$
77	107	$n \equiv 1, 749, 1177, 10165, 14553, 23541, 23969, \text{ or } 24717 \pmod{32956}$ except $n = 749, 1177, 10165, 14553$
77	108	$n \equiv 1, 3025, 4753, 7777, 23409, 26433, 28161, \text{ or } 31185 \pmod{33264}$ except $n = 3025, 4753, 7777$
77	109	$n \equiv 1, 1309, 2289, 6105, 7085, 8393, 13189, \text{ or } 28777 \pmod{33572}$ except $n = 1309, 2289, 6105, 7085, 8393, 13189$
77	110	$n \equiv 1, 2905, 3025, 9681, 9801, 12705, 19481, \text{ or } 27105 \pmod{33880}$ except $n = 2905, 3025, 9681, 9801, 12705$
77	111	$n \equiv 1, 925, 5181, 6105, 11397, 12321, 13321, 14245, 19537,$ $20461, 24717, 25641, 27973, 28897, 30933, \text{ or } 31857 \pmod{34188}$ except $n = 925, 5181, 6105, 11397, 12321, 13321, 14245$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	112	$n \equiv 1, 10241, 13377, \text{ or } 31361 \pmod{34496}$ except $n = 10241, 13377$
77	113	$n \equiv 1, 8701, 9493, 14917, 19097, 24409, 28589, \text{ or } 34013 \pmod{34804}$ except $n = 8701, 9493, 14917$
77	114	$n \equiv 1, 4257, 5929, 5985, 8569, 13377, 15961, 16017, 17689,$ $21945, 23409, 25081, 27721, 29337, 31977, \text{ or } 33649 \pmod{35112}$ except $n = 4257, 5929, 5985, 8569, 13377, 15961, 16017$
77	115	$n \equiv 1, 1541, 5061, 6601, 7085, 8625, 12145, 12881, 13685,$ $14421, 17941, 19481, 19965, 21505, 25025, \text{ or } 26565 \pmod{35420}$ except $n = 1541, 5061, 6601, 7085, 8625,$ $12145, 12881, 13685, 14421$
77	116	$n \equiv 1, 2465, 17633, 20097, 22737, 25201, 30625, \text{ or } 33089 \pmod{35728}$ except $n = 2465, 17633$
77	117	$n \equiv 1, 4005, 5005, 9009, 10297, 11089, 14301, 15093, 19657,$ $21385, 23661, 25389, 29953, 30745, 33957, \text{ or } 34749 \pmod{36036}$ except $n = 4005, 5005, 9009, 10297, 11089, 14301, 15093$
77	118	$n \equiv 1, 5369, 10857, 11033, 20769, 20945, 26433, \text{ or } 31801 \pmod{36344}$ except $n = 5369, 10857, 11033$
77	119	$n \equiv 1, 3333, 11221, 12937, 14553, 16269, 24157, \text{ or } 27489 \pmod{36652}$ except $n = 3333, 11221, 12937, 14553, 16269$
77	120	$n \equiv 1, 385, 5985, 6721, 12321, 12705, 14785, 15841, 19041,$ $21505, 22561, 27105, 28161, 30625, 33825, \text{ or } 34881 \pmod{36960}$ except $n = 385, 5985, 6721, 12321, 12705, 14785, 15841$
77	121	$n \equiv 1, 9317, 19965, \text{ or } 26621 \pmod{37268}$ except $n = 9317$
77	122	$n \equiv 1, 4697, 5369, 6161, 11529, 30745, 36113, \text{ or } 36905 \pmod{37576}$ except $n = 4697, 5369, 6161, 11529$
77	123	$n \equiv 1, 3157, 6601, 8569, 12013, 16401, 19845, 21813, 25257,$ $28413, 29029, 31857, 32473, 33825, 34441, \text{ or } 37269 \pmod{37884}$ except $n = 3157, 6601, 8569, 12013, 16401$
77	124	$n \equiv 1, 4929, 10417, 10913, 15345, 15841, 21329, \text{ or } 26257 \pmod{38192}$ except $n = 4929, 10417, 10913, 15345, 15841$

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Table 76: Superspectra for  $p = 77$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
77	125	$n \equiv 1, 1001, 8625, 9625, 17501, 22001, 26125, \text{ or } 30625 \pmod{38500}$ except $n = 1001, 8625, 9625, 17501$
77	126	$n \equiv 1, 441, 4753, 9801, 14113, 14553, 18865, \text{ or } 34497 \pmod{38808}$ except $n = 441, 4753, 9801, 14113, 14553, 18865$
77	127	$n \equiv 1, 2541, 4445, 12573, 16765, 24893, 26797, \text{ or } 29337 \pmod{39116}$ except $n = 2541, 4445, 12573, 16765$
77	128	$n \equiv 1, 10241, 21505, \text{ or } 28161 \pmod{39424}$ except $n = 10241$

Table 77: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 78$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	2	$n \equiv 1, 273, 417, \text{ or } 481 \pmod{624}$ except $n = 273$
78	3	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
78	4	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
78	5	$n \equiv 1, 105, 481, 585, 625, 1041, 1105, \text{ or } 1521 \pmod{1560}$ except $n = 105, 481, 585, 625$
78	6	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
78	7	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
78	8	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
78	9	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$
78	10	$n \equiv 1, 481, 625, 1041, 1105, 1521, 1665, \text{ or } 2145 \pmod{3120}$ except $n = 481, 625, 1041, 1105, 1521$
78	11	$n \equiv 1, 793, 1353, 2145, 2289, 2497, 3081, \text{ or } 3289 \pmod{3432}$ except $n = 793, 1353$
78	12	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$

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Table 77: Superspectra for  $p = 78$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	13	$n \equiv 1, 169, 1353, \text{ or } 1521 \pmod{4056}$ except $n = 169, 1353, 1521$
78	14	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
78	15	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
78	16	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
78	17	$n \equiv 1, 273, 1105, 2041, 2601, 3537, 4369, \text{ or } 4641 \pmod{5304}$ except $n = 273, 1105, 2041, 2601$
78	18	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
78	19	$n \equiv 1, 1521, 1729, 1977, 2185, 3705, 4161, \text{ or } 5473 \pmod{5928}$ except $n = 1521, 1729, 1977, 2185$
78	20	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
78	21	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
78	22	$n \equiv 1, 2145, 2289, 2497, 4225, 4785, 6513, \text{ or } 6721 \pmod{6864}$ except $n = 2145, 2289, 2497$
78	23	$n \equiv 1, 897, 1105, 2185, 3289, 4785, 5889, \text{ or } 6969 \pmod{7176}$ except $n = 897, 1105, 2185, 3289$
78	24	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
78	25	$n \equiv 1, 625, 2601, 3225, 3601, 4225, 6201, \text{ or } 6825 \pmod{7800}$ except $n = 625, 2601, 3225, 3601$
78	26	$n \equiv 1, 1521, 4225, \text{ or } 5409 \pmod{8112}$ except $n = 1521$
78	27	$n \equiv 1, 729, 4537, \text{ or } 5265 \pmod{8424}$ except $n = 729$
78	28	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
78	29	$n \equiv 1, 3393, 4641, 4785, 6033, 6409, 7657, \text{ or } 7801 \pmod{9048}$ except $n = 3393$

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Table 77: Superspectra for  $p = 78$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	30	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
78	31	$n \equiv 1, 1209, 2977, 3225, 4681, 6201, 7657, \text{ or } 7905 \pmod{9672}$ except $n = 1209, 2977, 3225, 4681$
78	32	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
78	33	$n \equiv 1, 793, 8217, 9009, 9153, 9361, 9945, \text{ or } 10153 \pmod{10296}$ except $n = 793$
78	34	$n \equiv 1, 273, 1105, 3537, 4369, 4641, 7345, \text{ or } 7905 \pmod{10608}$ except $n = 273, 1105, 3537, 4369, 4641$
78	35	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
78	36	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
78	37	$n \equiv 1, 481, 1665, 2665, 3849, 4329, 6513, \text{ or } 9361 \pmod{11544}$ except $n = 481, 1665, 2665, 3849, 4329$
78	38	$n \equiv 1, 1521, 1729, 4161, 5473, 7905, 8113, \text{ or } 9633 \pmod{11856}$ except $n = 1521, 1729, 4161, 5473$
78	39	$n \equiv 1, 1521, 5409, \text{ or } 8281 \pmod{12168}$ except $n = 1521, 5409$
78	40	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
78	41	$n \equiv 1, 1353, 2665, 5577, 5617, 8529, 9841, \text{ or } 11193 \pmod{12792}$ except $n = 1353, 2665, 5577, 5617$
78	42	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
78	43	$n \equiv 1, 3225, 3913, 4473, 5161, 8385, 9633, \text{ or } 12169 \pmod{13416}$ except $n = 3225, 3913, 4473, 5161$
78	44	$n \equiv 1, 2145, 2497, 4225, 6721, 9153, 11649, \text{ or } 13377 \pmod{13728}$ except $n = 2145, 2497, 4225, 6721$

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Table 77: Superspectra for  $p = 78$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	45	$n \equiv 1, 5265, 6345, 7345, 8425, 10881, 11961, \text{ or } 12961 \pmod{14040}$ except $n = 5265, 6345$
78	46	$n \equiv 1, 897, 1105, 4785, 5889, 9361, 10465, \text{ or } 14145 \pmod{14352}$ except $n = 897, 1105, 4785, 5889$
78	47	$n \equiv 1, 1833, 5265, 6345, 6721, 9777, 10153, \text{ or } 11233 \pmod{14664}$ except $n = 1833, 5265, 6345, 6721$
78	48	$n \equiv 1, 1665, 9217, \text{ or } 10881 \pmod{14976}$ except $n = 1665$
78	49	$n \equiv 1, 2353, 5097, 5929, 7449, 8281, 11025, \text{ or } 13377 \pmod{15288}$ except $n = 2353, 5097, 5929, 7449$
78	50	$n \equiv 1, 625, 3601, 4225, 10401, 11025, 14001, \text{ or } 14625 \pmod{15600}$ except $n = 625, 3601, 4225$
78	51	$n \equiv 1, 2601, 3537, 6409, 7345, 9945, 10881, \text{ or } 14977 \pmod{15912}$ except $n = 2601, 3537, 6409, 7345$
78	52	$n \equiv 1, 4225, 5409, \text{ or } 9633 \pmod{16224}$ except $n = 4225, 5409$
78	53	$n \equiv 1, 2809, 3393, 6201, 8905, 11025, 11713, \text{ or } 13833 \pmod{16536}$ except $n = 2809, 3393, 6201$
78	54	$n \equiv 1, 5265, 9153, \text{ or } 12961 \pmod{16848}$ except $n = 5265$
78	55	$n \equiv 1, 2145, 3081, 4225, 4785, 5721, 6721, 6865, 9361,$ $9945, 12441, 12585, 13585, 14521, 15081, \text{ or } 16225 \pmod{17160}$ except $n = 2145, 3081, 4225, 4785, 5721, 6721, 6865$
78	56	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
78	57	$n \equiv 1, 1521, 1729, 5473, 10089, 13833, 14041, \text{ or } 15561 \pmod{17784}$ except $n = 1521, 1729, 5473$
78	58	$n \equiv 1, 3393, 4641, 4785, 6033, 15457, 16705, \text{ or } 16849 \pmod{18096}$ except $n = 3393, 4641, 4785, 6033$
78	59	$n \equiv 1, 1417, 10089, 11505, 12273, 13689, 16225, \text{ or } 17641 \pmod{18408}$ except $n = 1417$

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Table 77: Superspectra for  $p = 78$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	60	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
78	61	$n \equiv 1, 793, 6345, 7137, 8113, 11713, 14457, \text{ or } 18057 \pmod{19032}$ except $n = 793, 6345, 7137, 8113$
78	62	$n \equiv 1, 2977, 7905, 10881, 12897, 14353, 15873, \text{ or } 17329 \pmod{19344}$ except $n = 2977, 7905$
78	63	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 16849, \text{ or } 17577 \pmod{19656}$ except $n = 729, 1729, 2457, 4537, 5265$
78	64	$n \equiv 1, 6657, 9217, \text{ or } 15873 \pmod{19968}$ except $n = 6657, 9217$
78	65	$n \equiv 1, 1521, 4225, 8281, 9465, 13521, 16225, \text{ or } 17745 \pmod{20280}$ except $n = 1521, 4225, 8281, 9465$
78	66	$n \equiv 1, 9009, 9153, 9361, 11089, 18513, 20241, \text{ or } 20449 \pmod{20592}$ except $n = 9009, 9153, 9361$
78	67	$n \equiv 1, 2145, 6097, 6969, 10921, 13065, 16081, \text{ or } 17889 \pmod{20904}$ except $n = 2145, 6097, 6969$
78	68	$n \equiv 1, 4641, 7905, 10881, 11713, 14145, 14977, \text{ or } 17953 \pmod{21216}$ except $n = 4641, 7905$
78	69	$n \equiv 1, 8073, 8281, 9361, 11961, 17641, 20241, \text{ or } 21321 \pmod{21528}$ except $n = 8073, 8281, 9361$
78	70	$n \equiv 1, 3745, 4641, 5265, 6721, 7281, 10465, 11025, 12481,$ $13105, 14001, 17745, 19201, 19761, 19825, \text{ or } 20385 \pmod{21840}$ except $n = 3745, 4641, 5265, 6721, 7281, 10465$
78	71	$n \equiv 1, 2769, 4473, 10153, 11857, 13065, 14769, \text{ or } 20449 \pmod{22152}$ except $n = 2769, 4473, 10153$
78	72	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{22464}$ except $n = 1729, 9153, 10881$
78	73	$n \equiv 1, 585, 4161, 7593, 12337, 15769, 19345, \text{ or } 19929 \pmod{22776}$ except $n = 585, 4161, 7593$
78	74	$n \equiv 1, 481, 1665, 6513, 9361, 14209, 15393, \text{ or } 15873 \pmod{23088}$ except $n = 481, 1665, 6513, 9361$

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Table 77: Superspectra for  $p = 78$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	75	$n \equiv 1, 2601, 3601, 6201, 8425, 11025, 12025, \text{ or } 14625 \pmod{23400}$ except $n = 2601, 3601, 6201, 8425, 11025$
78	76	$n \equiv 1, 1729, 4161, 5473, 7905, 9633, 13377, \text{ or } 19969 \pmod{23712}$ except $n = 1729, 4161, 5473, 7905, 9633$
78	77	$n \equiv 1, 2289, 3081, 5929, 6721, 9009, 10297, 11089, 11649,$ $13377, 16017, 17017, 19657, 21385, 21945, \text{ or } 22737 \pmod{24024}$ except $n = 2289, 3081, 5929, 6721, 9009, 10297, 11089, 11649$
78	78	$n \equiv 1, 1521, 5409, \text{ or } 20449 \pmod{24336}$ except $n = 1521, 5409$
78	79	$n \equiv 1, 3081, 6241, 8217, 13273, 14457, 19513, \text{ or } 21489 \pmod{24648}$ except $n = 3081, 6241, 8217$
78	80	$n \equiv 1, 1665, 4225, 9985, 10881, 16641, 19201, \text{ or } 20865 \pmod{24960}$ except $n = 1665, 4225, 9985, 10881$
78	81	$n \equiv 1, 729, 21385, \text{ or } 22113 \pmod{25272}$ except $n = 729$
78	82	$n \equiv 1, 5617, 8529, 9841, 14145, 15457, 18369, \text{ or } 23985 \pmod{25584}$ except $n = 5617, 8529, 9841$
78	83	$n \equiv 1, 7969, 8217, 16185, 16849, 17265, 24817, \text{ or } 25233 \pmod{25896}$ except $n = 7969, 8217$
78	84	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
78	85	$n \equiv 1, 1105, 2041, 2601, 4641, 5305, 7345, 7905, 8841,$ $9945, 10881, 14145, 16185, 20281, 22321, \text{ or } 25585 \pmod{26520}$ except $n = 1105, 2041, 2601, 4641, 5305,$ $7345, 7905, 8841, 9945, 10881$
78	86	$n \equiv 1, 8385, 9633, 16641, 17329, 17889, 18577, \text{ or } 25585 \pmod{26832}$ except $n = 8385, 9633$
78	87	$n \equiv 1, 3393, 6409, 13689, 13833, 16705, 16849, \text{ or } 24129 \pmod{27144}$ except $n = 3393, 6409$
78	88	$n \equiv 1, 2497, 4225, 6721, 9153, 11649, 13377, \text{ or } 15873 \pmod{27456}$ except $n = 2497, 4225, 6721, 9153, 11649, 13377$

*continued on next page*

Table 77: Superspectra for  $p = 78$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	89	$n \equiv 1, 5785, 6409, 17889, 18513, 24297, 24921, \text{ or } 27145 \pmod{27768}$ except $n = 5785, 6409$
78	90	$n \equiv 1, 5265, 7345, 10881, 12961, 20385, 22465, \text{ or } 26001 \pmod{28080}$ except $n = 5265, 7345, 10881, 12961$
78	91	$n \equiv 1, 169, 8113, 8281, 9465, 9633, 17577, \text{ or } 17745 \pmod{28392}$ except $n = 169, 8113, 8281, 9465, 9633$
78	92	$n \equiv 1, 897, 5889, 10465, 14145, 15457, 19137, \text{ or } 23713 \pmod{28704}$ except $n = 897, 5889, 10465, 14145$
78	93	$n \equiv 1, 4681, 6201, 10881, 12897, 17577, 22321, \text{ or } 27001 \pmod{29016}$ except $n = 4681, 6201, 10881, 12897$
78	94	$n \equiv 1, 5265, 6721, 9777, 11233, 16497, 21009, \text{ or } 24817 \pmod{29328}$ except $n = 5265, 6721, 9777, 11233$
78	95	$n \equiv 1, 1521, 2185, 3705, 4161, 7905, 11401, 13585, 14041,$ $15561, 17785, 19305, 19761, 21945, 25441, \text{ or } 29185 \pmod{29640}$ except $n = 1521, 2185, 3705, 4161, 7905, 11401, 13585, 14041$
78	96	$n \equiv 1, 9217, 16641, \text{ or } 25857 \pmod{29952}$ except $n = 9217$
78	97	$n \equiv 1, 7761, 10089, 16393, 18721, 26481, 27937, \text{ or } 28809 \pmod{30264}$ except $n = 7761, 10089$
78	98	$n \equiv 1, 2353, 11025, 13377, 20385, 21217, 22737, \text{ or } 23569 \pmod{30576}$ except $n = 2353, 11025, 13377$
78	99	$n \equiv 1, 9153, 10153, 19305, 19657, 21385, 28809, \text{ or } 30537 \pmod{30888}$ except $n = 9153, 10153$
78	100	$n \equiv 1, 4225, 10401, 14625, 16225, 19201, 26625, \text{ or } 29601 \pmod{31200}$ except $n = 4225, 10401, 14625$
78	101	$n \equiv 1, 4849, 6969, 11817, 17473, 21009, 22321, \text{ or } 25857 \pmod{31512}$ except $n = 4849, 6969, 11817$
78	102	$n \equiv 1, 3537, 7345, 10881, 14977, 18513, 22321, \text{ or } 25857 \pmod{31824}$ except $n = 3537, 7345, 10881, 14977$

*continued on next page*

Table 77: Superspectra for  $p = 78$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	103	$n \equiv 1, 4017, 10609, 10713, 14833, 21321, 25441, \text{ or } 25545 \pmod{32136}$ except $n = 4017, 10609, 10713, 14833$
78	104	$n \equiv 1, 4225, 21633, \text{ or } 25857 \pmod{32448}$ except $n = 4225$
78	105	$n \equiv 1, 3745, 5265, 7281, 8281, 11025, 13105, 15561, 17641,$ $20385, 21385, 23401, 24921, 28665, 30681, \text{ or } 30745 \pmod{32760}$ except $n = 3745, 5265, 7281, 8281, 11025, 13105, 15561$
78	106	$n \equiv 1, 3393, 11025, 11713, 19345, 22737, 25441, \text{ or } 30369 \pmod{33072}$ except $n = 3393, 11025, 11713$
78	107	$n \equiv 1, 3745, 17121, 20865, 22257, 26001, 28249, \text{ or } 31993 \pmod{33384}$ except $n = 3745$
78	108	$n \equiv 1, 9153, 12961, \text{ or } 22113 \pmod{33696}$ except $n = 9153, 12961$
78	109	$n \equiv 1, 1417, 2289, 10465, 11337, 12753, 21801, \text{ or } 24961 \pmod{34008}$ except $n = 1417, 2289, 10465, 11337, 12753$
78	110	$n \equiv 1, 2145, 4225, 4785, 6721, 6865, 9361, 13585, 16225,$ $20241, 22881, 27105, 29601, 29745, 31681, \text{ or } 32241 \pmod{34320}$ except $n = 2145, 4225, 4785, 6721, 6865, 9361, 13585, 16225$
78	111	$n \equiv 1, 1665, 2665, 4329, 9361, 12025, 26937, \text{ or } 29601 \pmod{34632}$ except $n = 1665, 2665, 4329, 9361, 12025$
78	112	$n \equiv 1, 897, 6657, 11649, 19201, 24193, 29953, \text{ or } 30849 \pmod{34944}$ except $n = 897, 6657, 11649$
78	113	$n \equiv 1, 7345, 9153, 9945, 20905, 21697, 23505, \text{ or } 30849 \pmod{35256}$ except $n = 7345, 9153, 9945$
78	114	$n \equiv 1, 1521, 1729, 5473, 27873, 31617, 31825, \text{ or } 33345 \pmod{35568}$ except $n = 1521, 1729, 5473$
78	115	$n \equiv 1, 1105, 2185, 4785, 8281, 9361, 10465, 11961, 13065,$ $14145, 17641, 20241, 21321, 22425, 28705, \text{ or } 29601 \pmod{35880}$ except $n = 1105, 2185, 4785, 8281, 9361,$ $10465, 11961, 13065, 14145, 17641$
78	116	$n \equiv 1, 3393, 4641, 15457, 16705, 22881, 24129, \text{ or } 34945 \pmod{36192}$ except $n = 3393, 4641, 15457, 16705$

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Table 77: Superspectra for  $p = 78$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
78	117	$n \equiv 1, 13689, 17577, \text{ or } 32617 \pmod{36504}$ except $n = 13689, 17577$
78	118	$n \equiv 1, 11505, 12273, 16225, 19825, 28497, 32097, \text{ or } 36049 \pmod{36816}$ except $n = 11505, 12273, 16225$
78	119	$n \equiv 1, 273, 4369, 4641, 8841, 12649, 13209, 16185, 17017,$ $20553, 21217, 24753, 25585, 28561, 29121, \text{ or } 32929 \pmod{37128}$ except $n = 273, 4369, 4641, 8841, 12649, 13209, 16185, 17017$
78	120	$n \equiv 1, 1665, 10881, 16641, 16705, 22465, 31681, \text{ or } 33345 \pmod{37440}$ except $n = 1665, 10881, 16641, 16705$
78	121	$n \equiv 1, 5929, 12585, 14521, 18513, 20449, 27105, \text{ or } 33033 \pmod{37752}$ except $n = 5929, 12585, 14521, 18513$
78	122	$n \equiv 1, 7137, 8113, 11713, 19825, 25377, 33489, \text{ or } 37089 \pmod{38064}$ except $n = 7137, 8113, 11713$
78	123	$n \equiv 1, 2665, 5617, 18369, 21321, 23985, 26937, \text{ or } 35425 \pmod{38376}$ except $n = 2665, 5617, 18369$
78	124	$n \equiv 1, 2977, 7905, 10881, 12897, 15873, 33697, \text{ or } 36673 \pmod{38688}$ except $n = 2977, 7905, 10881, 12897, 15873$
78	125	$n \equiv 1, 625, 14001, 14625, 26001, 26625, 27001, \text{ or } 27625 \pmod{39000}$ except $n = 625, 14001, 14625$
78	126	$n \equiv 1, 1729, 5265, 16849, 20385, 22113, 24193, \text{ or } 37233 \pmod{39312}$ except $n = 1729, 5265, 16849$
78	127	$n \equiv 1, 4953, 6097, 13209, 19305, 25273, 31369, \text{ or } 38481 \pmod{39624}$ except $n = 4953, 6097, 13209, 19305$
78	128	$n \equiv 1, 9217, 26625, \text{ or } 35841 \pmod{39936}$ except $n = 9217$

Table 78: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 79$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
79	2	$n \equiv 1$ or $553 \pmod{632}$
79	3	$n \equiv 1, 237, 553, \text{ or } 633 \pmod{948}$ except $n = 237$
79	4	$n \equiv 1$ or $1185 \pmod{1264}$
79	5	$n \equiv 1, 1185, 1265, \text{ or } 1501 \pmod{1580}$
79	6	$n \equiv 1, 553, 633, \text{ or } 1185 \pmod{1896}$ except $n = 553, 633$
79	7	$n \equiv 1, 553, 869, \text{ or } 1897 \pmod{2212}$ except $n = 553, 869$
79	8	$n \equiv 1$ or $1185 \pmod{2528}$ except $n = 1185$
79	9	$n \equiv 1, 2133, 2449, \text{ or } 2529 \pmod{2844}$
79	10	$n \equiv 1, 1185, 1265, \text{ or } 3081 \pmod{3160}$ except $n = 1185, 1265$
79	11	$n \equiv 1, 869, 1265, \text{ or } 3081 \pmod{3476}$ except $n = 869, 1265$
79	12	$n \equiv 1, 1185, 2449, \text{ or } 2529 \pmod{3792}$ except $n = 1185$
79	13	$n \equiv 1, 949, 2133, \text{ or } 3081 \pmod{4108}$ except $n = 949$
79	14	$n \equiv 1, 553, 1897, \text{ or } 3081 \pmod{4424}$ except $n = 553, 1897$
79	15	$n \equiv 1, 1185, 1501, 1581, 2845, 3081, 4345, \text{ or } 4425 \pmod{4740}$ except $n = 1185, 1501, 1581$
79	16	$n \equiv 1$ or $3713 \pmod{5056}$
79	17	$n \equiv 1, 1581, 2449, \text{ or } 4029 \pmod{5372}$ except $n = 1581, 2449$
79	18	$n \equiv 1, 2449, 2529, \text{ or } 4977 \pmod{5688}$ except $n = 2449, 2529$
79	19	$n \equiv 1, 1501, 3477, \text{ or } 4029 \pmod{6004}$ except $n = 1501$
79	20	$n \equiv 1, 1185, 1265, \text{ or } 6241 \pmod{6320}$ except $n = 1185, 1265$
79	21	$n \equiv 1, 553, 1897, 3081, 4425, 4977, 5293, \text{ or } 6321 \pmod{6636}$ except $n = 553, 1897, 3081$
79	22	$n \equiv 1, 1265, 3081, \text{ or } 4345 \pmod{6952}$ except $n = 1265, 3081$
79	23	$n \equiv 1, 553, 1265, \text{ or } 1817 \pmod{7268}$ except $n = 553, 1265, 1817$
79	24	$n \equiv 1, 1185, 2529, \text{ or } 6241 \pmod{7584}$ except $n = 1185, 2529$

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Table 78: Superspectra for  $p = 79$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
79	25	$n \equiv 1, 1501, 4425, \text{ or } 5925 \pmod{7900}$ except $n = 1501$
79	26	$n \equiv 1, 3081, 5057, \text{ or } 6241 \pmod{8216}$ except $n = 3081$
79	27	$n \equiv 1, 2133, 5293, \text{ or } 5373 \pmod{8532}$ except $n = 2133$
79	28	$n \equiv 1, 4977, 6321, \text{ or } 7505 \pmod{8848}$
79	29	$n \equiv 1, 3161, 3713, \text{ or } 6873 \pmod{9164}$ except $n = 3161, 3713$
79	30	$n \equiv 1, 1185, 3081, 4345, 4425, 6241, 6321, \text{ or } 7585 \pmod{9480}$ except $n = 1185, 3081, 4345, 4425$
79	31	$n \equiv 1, 869, 1581, \text{ or } 2449 \pmod{9796}$ except $n = 869, 1581, 2449$
79	32	$n \equiv 1 \text{ or } 3713 \pmod{10112}$ except $n = 3713$
79	33	$n \equiv 1, 3081, 3477, 4345, 4741, 7821, 8217, \text{ or } 10033 \pmod{10428}$ except $n = 3081, 3477, 4345, 4741$
79	34	$n \equiv 1, 2449, 6953, \text{ or } 9401 \pmod{10744}$ except $n = 2449$
79	35	$n \equiv 1, 2765, 3081, 4425, 6321, 7505, 9401, \text{ or } 10745 \pmod{11060}$ except $n = 2765, 3081, 4425$
79	36	$n \equiv 1, 2449, 2529, \text{ or } 4977 \pmod{11376}$ except $n = 2449, 2529, 4977$
79	37	$n \equiv 1, 1185, 7585, \text{ or } 8769 \pmod{11692}$ except $n = 1185$
79	38	$n \equiv 1, 7505, 9481, \text{ or } 10033 \pmod{12008}$
79	39	$n \equiv 1, 949, 2133, 3081, 6241, 7189, 8217, \text{ or } 9165 \pmod{12324}$ except $n = 949, 2133, 3081$
79	40	$n \equiv 1, 1185, 6241, \text{ or } 7585 \pmod{12640}$ except $n = 1185, 6241$
79	41	$n \equiv 1, 2133, 7585, \text{ or } 9717 \pmod{12956}$ except $n = 2133$
79	42	$n \equiv 1, 553, 1897, 3081, 4425, 4977, 6321, \text{ or } 11929 \pmod{13272}$ except $n = 553, 1897, 3081, 4425, 4977, 6321$
79	43	$n \equiv 1, 3397, 6321, \text{ or } 10665 \pmod{13588}$ except $n = 3397, 6321$
79	44	$n \equiv 1, 1265, 10033, \text{ or } 11297 \pmod{13904}$ except $n = 1265$
79	45	$n \equiv 1, 2845, 7821, 10665, 10981, 11061, 13825, \text{ or } 13905 \pmod{14220}$ except $n = 2845$

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Table 78: Superspectra for  $p = 79$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
79	46	$n \equiv 1, 553, 1265, \text{ or } 1817 \pmod{14536}$ except $n = 553, 1265, 1817$
79	47	$n \equiv 1, 3713, 9165, \text{ or } 9401 \pmod{14852}$ except $n = 3713$
79	48	$n \equiv 1, 8769, 10113, \text{ or } 13825 \pmod{15168}$
79	49	$n \equiv 1, 5293, 6321, \text{ or } 11613 \pmod{15484}$ except $n = 5293, 6321$
79	50	$n \equiv 1, 4425, 9401, \text{ or } 13825 \pmod{15800}$ except $n = 4425$
79	51	$n \equiv 1, 1581, 2449, 4029, 5373, 7821, 12325, \text{ or } 14773 \pmod{16116}$ except $n = 1581, 2449, 4029, 5373, 7821$
79	52	$n \equiv 1, 5057, 6241, \text{ or } 11297 \pmod{16432}$ except $n = 5057, 6241$
79	53	$n \equiv 1, 4029, 8533, \text{ or } 12561 \pmod{16748}$ except $n = 4029$
79	54	$n \equiv 1, 10665, 13825, \text{ or } 13905 \pmod{17064}$
79	55	$n \equiv 1, 1265, 3081, 4345, 4741, 7821, 13905, \text{ or } 16985 \pmod{17380}$ except $n = 1265, 3081, 4345, 4741, 7821$
79	56	$n \equiv 1, 13825, 15169, \text{ or } 16353 \pmod{17696}$
79	57	$n \equiv 1, 1501, 3477, 4029, 9481, 10033, 12009, \text{ or } 13509 \pmod{18012}$ except $n = 1501, 3477, 4029$
79	58	$n \equiv 1, 3161, 3713, \text{ or } 6873 \pmod{18328}$ except $n = 3161, 3713, 6873$
79	59	$n \equiv 1, 237, 4425, \text{ or } 4661 \pmod{18644}$ except $n = 237, 4425, 4661$
79	60	$n \equiv 1, 1185, 6241, 6321, 7585, 12561, 13825, \text{ or } 13905 \pmod{18960}$ except $n = 1185, 6241, 6321, 7585$
79	61	$n \equiv 1, 3477, 10981, \text{ or } 14457 \pmod{19276}$ except $n = 3477$
79	62	$n \equiv 1, 2449, 10665, \text{ or } 11377 \pmod{19592}$ except $n = 2449$
79	63	$n \equiv 1, 4977, 5293, 8533, 11061, 13825, 16353, \text{ or } 19593 \pmod{19908}$ except $n = 4977, 5293, 8533$
79	64	$n \equiv 1 \text{ or } 13825 \pmod{20224}$
79	65	$n \equiv 1, 3081, 6241, 9165, 12325, 15405, 17381, \text{ or } 18565 \pmod{20540}$ except $n = 3081, 6241, 9165$

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Table 78: Superspectra for  $p = 79$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
79	66	$n \equiv 1, 3081, 4345, 8217, 10033, 13905, 15169, \text{ or } 18249 \pmod{20856}$ except $n = 3081, 4345, 8217, 10033$
79	67	$n \equiv 1, 5293, 7505, \text{ or } 18961 \pmod{21172}$ except $n = 5293, 7505$
79	68	$n \equiv 1, 2449, 17697, \text{ or } 20145 \pmod{21488}$ except $n = 2449$
79	69	$n \equiv 1, 553, 7269, 7821, 8533, 9085, 15801, \text{ or } 16353 \pmod{21804}$ except $n = 553, 7269, 7821, 8533, 9085$
79	70	$n \equiv 1, 3081, 4425, 6321, 7505, 9401, 10745, \text{ or } 13825 \pmod{22120}$ except $n = 3081, 4425, 6321, 7505, 9401, 10745$
79	71	$n \equiv 1, 5609, 11929, \text{ or } 16117 \pmod{22436}$ except $n = 5609$
79	72	$n \equiv 1, 2529, 13825, \text{ or } 16353 \pmod{22752}$ except $n = 2529$
79	73	$n \equiv 1, 949, 16353, \text{ or } 17301 \pmod{23068}$ except $n = 949$
79	74	$n \equiv 1, 1185, 7585, \text{ or } 8769 \pmod{23384}$ except $n = 1185, 7585, 8769$
79	75	$n \equiv 1, 1501, 4425, 5925, 12325, 13825, 15801, \text{ or } 17301 \pmod{23700}$ except $n = 1501, 4425, 5925$
79	76	$n \equiv 1, 7505, 10033, \text{ or } 21489 \pmod{24016}$ except $n = 7505, 10033$
79	77	$n \equiv 1, 869, 3081, 15169, 17381, 18249, 20461, \text{ or } 22121 \pmod{24332}$ except $n = 869, 3081$
79	78	$n \equiv 1, 3081, 6241, 8217, 13273, 14457, 19513, \text{ or } 21489 \pmod{24648}$ except $n = 3081, 6241, 8217$
79	79	$n \equiv 1 \text{ or } 6241 \pmod{24964}$ except $n = 6241$
79	80	$n \equiv 1, 13825, 18881, \text{ or } 20225 \pmod{25280}$
79	81	$n \equiv 1, 19197, 22357, \text{ or } 22437 \pmod{25596}$
79	82	$n \equiv 1, 7585, 15089, \text{ or } 22673 \pmod{25912}$ except $n = 7585$
79	83	$n \equiv 1, 6557, 8217, \text{ or } 24569 \pmod{26228}$ except $n = 6557, 8217$
79	84	$n \equiv 1, 4977, 6321, 13825, 15169, 16353, 17697, \text{ or } 25201 \pmod{26544}$ except $n = 4977, 6321$
79	85	$n \equiv 1, 1581, 7821, 9401, 10745, 12325, 18565, \text{ or } 20145 \pmod{26860}$ except $n = 1581, 7821, 9401, 10745, 12325$

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Table 78: Superspectra for  $p = 79$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
79	86	$n \equiv 1, 6321, 10665, \text{ or } 16985 \pmod{27176}$ except $n = 6321, 10665$
79	87	$n \equiv 1, 6873, 9165, 12325, 12877, 21489, 22041, \text{ or } 25201 \pmod{27492}$ except $n = 6873, 9165, 12325, 12877$
79	88	$n \equiv 1, 11297, 15169, \text{ or } 23937 \pmod{27808}$ except $n = 11297$
79	89	$n \equiv 1, 21093, 21805, \text{ or } 27413 \pmod{28124}$
79	90	$n \equiv 1, 10665, 13825, 13905, 17065, 22041, 25201, \text{ or } 25281 \pmod{28440}$ except $n = 10665, 13825, 13905$
79	91	$n \equiv 1, 3081, 4109, 7189, 13273, 17381, 18565, \text{ or } 22673 \pmod{28756}$ except $n = 3081, 4109, 7189, 13273$
79	92	$n \equiv 1, 1265, 15089, \text{ or } 16353 \pmod{29072}$ except $n = 1265$
79	93	$n \equiv 1, 1581, 2449, 10665, 11377, 19593, 20461, \text{ or } 22041 \pmod{29388}$ except $n = 1581, 2449, 10665, 11377$
79	94	$n \equiv 1, 3713, 9401, \text{ or } 24017 \pmod{29704}$ except $n = 3713, 9401$
79	95	$n \equiv 1, 1501, 6005, 7505, 9481, 15485, 22041, \text{ or } 28045 \pmod{30020}$ except $n = 1501, 6005, 7505, 9481$
79	96	$n \equiv 1, 10113, 13825, \text{ or } 23937 \pmod{30336}$ except $n = 10113, 13825$
79	97	$n \equiv 1, 9797, 13193, \text{ or } 22989 \pmod{30652}$ except $n = 9797, 13193$
79	98	$n \equiv 1, 6321, 20777, \text{ or } 27097 \pmod{30968}$ except $n = 6321$
79	99	$n \equiv 1, 7821, 8217, 13509, 13905, 25201, 25597, \text{ or } 30889 \pmod{31284}$ except $n = 7821, 8217, 13509, 13905$
79	100	$n \equiv 1, 13825, 20225, \text{ or } 25201 \pmod{31600}$ except $n = 13825$
79	101	$n \equiv 1, 9797, 14141, \text{ or } 23937 \pmod{31916}$ except $n = 9797, 14141$
79	102	$n \equiv 1, 2449, 17697, 20145, 21489, 23937, 28441, \text{ or } 30889 \pmod{32232}$ except $n = 2449$
79	103	$n \equiv 1, 8137, 13905, \text{ or } 26781 \pmod{32548}$ except $n = 8137, 13905$
79	104	$n \equiv 1, 5057, 6241, \text{ or } 11297 \pmod{32864}$ except $n = 5057, 6241, 11297$

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Table 78: Superspectra for  $p = 79$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
79	105	$n \equiv 1, 3081, 4425, 6321, 11061, 13825, 18565, 20461, 21805,$ 24885, 25201, 26545, 28441, 29625, 31521, or 32865 (mod 33180) except $n = 3081, 4425, 6321, 11061, 13825$
79	106	$n \equiv 1, 12561, 20777, \text{ or } 25281 \pmod{33496}$ except $n = 12561$
79	107	$n \equiv 1, 8453, 13589, \text{ or } 28677 \pmod{33812}$ except $n = 8453, 13589$
79	108	$n \equiv 1, 13825, 13905, \text{ or } 27729 \pmod{34128}$ except $n = 13825, 13905$
79	109	$n \equiv 1, 3161, 22673, \text{ or } 25833 \pmod{34444}$ except $n = 3161$
79	110	$n \equiv 1, 1265, 3081, 4345, 13905, 16985, 22121, \text{ or } 25201 \pmod{34760}$ except $n = 1265, 3081, 4345, 13905, 16985$
79	111	$n \equiv 1, 1185, 7585, 8769, 12877, 20461, 23385, \text{ or } 30969 \pmod{35076}$ except $n = 1185, 7585, 8769, 12877$
79	112	$n \equiv 1, 13825, 15169, \text{ or } 34049 \pmod{35392}$ except $n = 13825, 15169$
79	113	$n \equiv 1, 8137, 18645, \text{ or } 26781 \pmod{35708}$ except $n = 8137$
79	114	$n \equiv 1, 9481, 10033, 12009, 19513, 21489, 22041, \text{ or } 31521 \pmod{36024}$ except $n = 9481, 10033, 12009$
79	115	$n \equiv 1, 1265, 7821, 9085, 15801, 21805, 23621, \text{ or } 29625 \pmod{36340}$ except $n = 1265, 7821, 9085, 15801$
79	116	$n \equiv 1, 3713, 21489, \text{ or } 25201 \pmod{36656}$ except $n = 3713$
79	117	$n \equiv 1, 2133, 8217, 19513, 25597, 27729, 30889, \text{ or } 33813 \pmod{36972}$ except $n = 2133, 8217$
79	118	$n \equiv 1, 4425, 18881, \text{ or } 23305 \pmod{37288}$ except $n = 4425$
79	119	$n \equiv 1, 9401, 10745, 17697, 18565, 28441, 29309, \text{ or } 36261 \pmod{37604}$ except $n = 9401, 10745, 17697, 18565$
79	120	$n \equiv 1, 1185, 6241, 7585, 13825, 25281, 31521, \text{ or } 32865 \pmod{37920}$ except $n = 1185, 6241, 7585, 13825$
79	121	$n \equiv 1, 28677, 32549, \text{ or } 34365 \pmod{38236}$
79	122	$n \equiv 1, 14457, 22753, \text{ or } 30257 \pmod{38552}$ except $n = 14457$

*continued on next page*

Table 78: Superspectra for  $p = 79$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
79	123	$n \equiv 1, 2133, 7585, 9717, 12957, 20541, 28045, \text{ or } 35629 \pmod{38868}$ except $n = 2133, 7585, 9717, 12957$
79	124	$n \equiv 1, 2449, 11377, \text{ or } 30257 \pmod{39184}$ except $n = 2449, 11377$
79	125	$n \equiv 1, 1501, 28125, \text{ or } 29625 \pmod{39500}$ except $n = 1501$
79	126	$n \equiv 1, 4977, 13825, 16353, 19593, 25201, 28441, \text{ or } 30969 \pmod{39816}$ except $n = 4977, 13825, 16353, 19593$
79	127	$n \equiv 1, 10033, 13589, \text{ or } 36577 \pmod{40132}$ except $n = 10033, 13589$
79	128	$n \equiv 1 \text{ or } 13825 \pmod{40448}$ except $n = 13825$

Table 79: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 80$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
80	2	$n \equiv 1 \text{ or } 385 \pmod{640}$
80	3	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
80	4	$n \equiv 1 \text{ or } 1025 \pmod{1280}$
80	5	$n \equiv 1 \text{ or } 1025 \pmod{1600}$
80	6	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
80	7	$n \equiv 1, 385, 1281, \text{ or } 1345 \pmod{2240}$ except $n = 385$
80	8	$n \equiv 1 \text{ or } 1025 \pmod{2560}$ except $n = 1025$
80	9	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
80	10	$n \equiv 1 \text{ or } 1025 \pmod{3200}$ except $n = 1025$
80	11	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
80	12	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
80	13	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
80	14	$n \equiv 1, 385, 1281, \text{ or } 3585 \pmod{4480}$ except $n = 385, 1281$

*continued on next page*

Table 79: Superspectra for  $p = 80$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
80	15	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
80	16	$n \equiv 1 \text{ or } 1025 \pmod{5120}$ except $n = 1025$
80	17	$n \equiv 1, 1921, 3265, \text{ or } 5185 \pmod{5440}$ except $n = 1921$
80	18	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
80	19	$n \equiv 1, 2945, 4161, \text{ or } 4865 \pmod{6080}$ except $n = 2945$
80	20	$n \equiv 1 \text{ or } 1025 \pmod{6400}$ except $n = 1025$
80	21	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
80	22	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
80	23	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{7360}$ except $n = 2945$
80	24	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
80	25	$n \equiv 1 \text{ or } 2625 \pmod{8000}$ except $n = 2625$
80	26	$n \equiv 1, 1665, 2561, \text{ or } 4225 \pmod{8320}$ except $n = 1665, 2561$
80	27	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
80	28	$n \equiv 1, 1281, 3585, \text{ or } 4865 \pmod{8960}$ except $n = 1281, 3585$
80	29	$n \equiv 1, 7105, 7425, \text{ or } 8961 \pmod{9280}$
80	30	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
80	31	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{9920}$ except $n = 961, 1985, 2945$
80	32	$n \equiv 1 \text{ or } 6145 \pmod{10240}$
80	33	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
80	34	$n \equiv 1, 1921, 8705, \text{ or } 10625 \pmod{10880}$ except $n = 1921$
80	35	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$
80	36	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
80	37	$n \equiv 1, 1665, 6401, \text{ or } 7105 \pmod{11840}$ except $n = 1665$
80	38	$n \equiv 1, 2945, 4865, \text{ or } 10241 \pmod{12160}$ except $n = 2945, 4865$

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Table 79: Superspectra for  $p = 80$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
80	39	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
80	40	$n \equiv 1 \text{ or } 1025 \pmod{12800}$ except $n = 1025$
80	41	$n \equiv 1, 1025, 2625, \text{ or } 11521 \pmod{13120}$ except $n = 1025, 2625$
80	42	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
80	43	$n \equiv 1, 2881, 5505, \text{ or } 8385 \pmod{13760}$ except $n = 2881, 5505$
80	44	$n \equiv 1, 7425, 10241, \text{ or } 11265 \pmod{14080}$
80	45	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
80	46	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{14720}$ except $n = 2945, 3841, 6785$
80	47	$n \equiv 1, 705, 6721, \text{ or } 9025 \pmod{15040}$ except $n = 705, 6721$
80	48	$n \equiv 1, 5121, 6145, \text{ or } 11265 \pmod{15360}$ except $n = 5121, 6145$
80	49	$n \equiv 1, 7105, 10241, \text{ or } 12545 \pmod{15680}$ except $n = 7105$
80	50	$n \equiv 1 \text{ or } 10625 \pmod{16000}$
80	51	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
80	52	$n \equiv 1, 2561, 9985, \text{ or } 12545 \pmod{16640}$ except $n = 2561$
80	53	$n \equiv 1, 6785, 8321, \text{ or } 15105 \pmod{16960}$ except $n = 6785, 8321$
80	54	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
80	55	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{17600}$ except $n = 3201, 4225, 7425$
80	56	$n \equiv 1, 3585, 10241, \text{ or } 13825 \pmod{17920}$ except $n = 3585$
80	57	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
80	58	$n \equiv 1, 7425, 8961, \text{ or } 16385 \pmod{18560}$ except $n = 7425, 8961$
80	59	$n \equiv 1, 6785, 10561, \text{ or } 15105 \pmod{18880}$ except $n = 6785$
80	60	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
80	61	$n \equiv 1, 1281, 3905, \text{ or } 5185 \pmod{19520}$ except $n = 1281, 3905, 5185$

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Table 79: Superspectra for  $p = 80$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
80	62	$n \equiv 1, 2945, 10881, \text{ or } 11905 \pmod{19840}$ except $n = 2945$
80	63	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
80	64	$n \equiv 1 \text{ or } 16385 \pmod{20480}$
80	65	$n \equiv 1, 4225, 5825, \text{ or } 19201 \pmod{20800}$ except $n = 4225, 5825$
80	66	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281 \pmod{21120}$ except $n = 385, 3201, 4225, 7041, 7425$
80	67	$n \equiv 1, 2881, 12865, \text{ or } 15745 \pmod{21440}$ except $n = 2881$
80	68	$n \equiv 1, 8705, 12801, \text{ or } 21505 \pmod{21760}$ except $n = 8705$
80	69	$n \equiv 1, 3841, 10305, 14145, 14721, 17665, 18561, \text{ or } 21505 \pmod{22080}$ except $n = 3841, 10305$
80	70	$n \equiv 1, 13825, 17025, \text{ or } 19201 \pmod{22400}$
80	71	$n \equiv 1, 3905, 4545, \text{ or } 22081 \pmod{22720}$ except $n = 3905, 4545$
80	72	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$
80	73	$n \equiv 1, 4161, 9345, \text{ or } 13505 \pmod{23360}$ except $n = 4161, 9345$
80	74	$n \equiv 1, 1665, 6401, \text{ or } 18945 \pmod{23680}$ except $n = 1665, 6401$
80	75	$n \equiv 1, 2625, 8001, \text{ or } 18625 \pmod{24000}$ except $n = 2625, 8001$
80	76	$n \equiv 1, 4865, 10241, \text{ or } 15105 \pmod{24320}$ except $n = 4865, 10241$
80	77	$n \equiv 1, 385, 3521, 6721, 10241, 14785, 18305, \text{ or } 21505 \pmod{24640}$ except $n = 385, 3521, 6721, 10241$
80	78	$n \equiv 1, 1665, 4225, 9985, 10881, 16641, 19201, \text{ or } 20865 \pmod{24960}$ except $n = 1665, 4225, 9985, 10881$
80	79	$n \equiv 1, 13825, 18881, \text{ or } 20225 \pmod{25280}$
80	80	$n \equiv 1 \text{ or } 1025 \pmod{25600}$ except $n = 1025$
80	81	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{25920}$ except $n = 5185$
80	82	$n \equiv 1, 1025, 11521, \text{ or } 15745 \pmod{26240}$ except $n = 1025, 11521$
80	83	$n \equiv 1, 2241, 10625, \text{ or } 12865 \pmod{26560}$ except $n = 2241, 10625, 12865$

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Table 79: Superspectra for  $p = 80$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
80	84	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
80	85	$n \equiv 1, 10625, 12801, \text{ or } 25025 \pmod{27200}$ except $n = 10625, 12801$
80	86	$n \equiv 1, 5505, 16641, \text{ or } 22145 \pmod{27520}$ except $n = 5505$
80	87	$n \equiv 1, 7105, 7425, 8961, 16705, 18241, 18561, \text{ or } 25665 \pmod{27840}$ except $n = 7105, 7425, 8961$
80	88	$n \equiv 1, 10241, 11265, \text{ or } 21505 \pmod{28160}$ except $n = 10241, 11265$
80	89	$n \equiv 1, 9345, 15041, \text{ or } 22785 \pmod{28480}$ except $n = 9345$
80	90	$n \equiv 1, 7425, 13825, \text{ or } 22401 \pmod{28800}$ except $n = 7425, 13825$
80	91	$n \equiv 1, 5825, 6721, 12481, 12545, 18305, 19201, \text{ or } 25025 \pmod{29120}$ except $n = 5825, 6721, 12481, 12545$
80	92	$n \equiv 1, 3841, 17665, \text{ or } 21505 \pmod{29440}$ except $n = 3841$
80	93	$n \equiv 1, 961, 9921, 10881, 11905, 12865, 21825, \text{ or } 22785 \pmod{29760}$ except $n = 961, 9921, 10881, 11905, 12865$
80	94	$n \equiv 1, 15745, 21761, \text{ or } 24065 \pmod{30080}$
80	95	$n \equiv 1, 9025, 17025, \text{ or } 22401 \pmod{30400}$ except $n = 9025$
80	96	$n \equiv 1, 6145, 20481, \text{ or } 26625 \pmod{30720}$ except $n = 6145$
80	97	$n \equiv 1, 3201, 18625, \text{ or } 21825 \pmod{31040}$ except $n = 3201$
80	98	$n \equiv 1, 10241, 12545, \text{ or } 22785 \pmod{31360}$ except $n = 10241, 12545$
80	99	$n \equiv 1, 7425, 10945, 13761, 17281, 21825, 25345, \text{ or } 28161 \pmod{31680}$ except $n = 7425, 10945, 13761$
80	100	$n \equiv 1 \text{ or } 26625 \pmod{32000}$
80	101	$n \equiv 1, 4545, 6465, \text{ or } 30401 \pmod{32320}$ except $n = 4545, 6465$
80	102	$n \equiv 1, 1921, 10881, 12801, 19585, 21505, 30465, \text{ or } 32385 \pmod{32640}$ except $n = 1921, 10881, 12801$
80	103	$n \equiv 1, 8961, 13185, \text{ or } 22145 \pmod{32960}$ except $n = 8961, 13185$
80	104	$n \equiv 1, 2561, 26625, \text{ or } 29185 \pmod{33280}$ except $n = 2561$

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Table 79: Superspectra for  $p = 80$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
80	105	$n \equiv 1, 2625, 8001, 13825, 17025, 19201, 22401, \text{ or } 28225 \pmod{33600}$ except $n = 2625, 8001, 13825$
80	106	$n \equiv 1, 6785, 8321, \text{ or } 15105 \pmod{33920}$ except $n = 6785, 8321, 15105$
80	107	$n \equiv 1, 321, 20545, \text{ or } 20865 \pmod{34240}$ except $n = 321$
80	108	$n \equiv 1, 7425, 13825, \text{ or } 28161 \pmod{34560}$ except $n = 7425, 13825$
80	109	$n \equiv 1, 17985, 24961, \text{ or } 27905 \pmod{34880}$
80	110	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{35200}$ except $n = 3201, 4225, 7425$
80	111	$n \equiv 1, 1665, 7105, 11841, 18241, 18945, 25345, \text{ or } 30081 \pmod{35520}$ except $n = 1665, 7105, 11841$
80	112	$n \equiv 1, 10241, 21505, \text{ or } 31745 \pmod{35840}$ except $n = 10241$
80	113	$n \equiv 1, 1921, 14465, \text{ or } 16385 \pmod{36160}$ except $n = 1921, 14465, 16385$
80	114	$n \equiv 1, 15105, 17025, 22401, 24321, 27265, 29185, \text{ or } 34561 \pmod{36480}$ except $n = 15105, 17025$
80	115	$n \equiv 1, 11201, 25025, \text{ or } 36225 \pmod{36800}$ except $n = 11201$
80	116	$n \equiv 1, 7425, 8961, \text{ or } 16385 \pmod{37120}$ except $n = 7425, 8961, 16385$
80	117	$n \equiv 1, 1665, 10881, 16641, 16705, 22465, 31681, \text{ or } 33345 \pmod{37440}$ except $n = 1665, 10881, 16641, 16705$
80	118	$n \equiv 1, 6785, 15105, \text{ or } 29441 \pmod{37760}$ except $n = 6785, 15105$
80	119	$n \equiv 1, 16065, 21505, 23681, 25025, 29121, 30465, \text{ or } 32641 \pmod{38080}$ except $n = 16065$
80	120	$n \equiv 1, 12801, 13825, \text{ or } 26625 \pmod{38400}$ except $n = 12801, 13825$
80	121	$n \equiv 1, 7745, 24321, \text{ or } 32065 \pmod{38720}$ except $n = 7745$
80	122	$n \equiv 1, 1281, 23425, \text{ or } 24705 \pmod{39040}$ except $n = 1281$
80	123	$n \equiv 1, 2625, 11521, 14145, 15745, 26241, 27265, \text{ or } 37761 \pmod{39360}$ except $n = 2625, 11521, 14145, 15745$
80	124	$n \equiv 1, 22785, 30721, \text{ or } 31745 \pmod{39680}$
80	125	$n \equiv 1 \text{ or } 10625 \pmod{40000}$ except $n = 10625$

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Table 79: Superspectra for  $p = 80$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
80	126	$n \equiv 1, 5761, 8065, 13825, 22401, 28161, 30465, \text{ or } 36225 \pmod{40320}$ except $n = 5761, 8065, 13825$
80	127	$n \equiv 1, 8001, 24385, \text{ or } 32385 \pmod{40640}$ except $n = 8001$
80	128	$n \equiv 1 \text{ or } 16385 \pmod{40960}$ except $n = 16385$

Table 80: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 81$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
81	2	$n \equiv 1 \text{ or } 81 \pmod{648}$ except $n = 81$
81	3	$n \equiv 1 \text{ or } 729 \pmod{972}$
81	4	$n \equiv 1 \text{ or } 81 \pmod{1296}$ except $n = 81$
81	5	$n \equiv 1, 81, 325, \text{ or } 405 \pmod{1620}$ except $n = 81, 325, 405$
81	6	$n \equiv 1 \text{ or } 729 \pmod{1944}$ except $n = 729$
81	7	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{2268}$ except $n = 729, 973$
81	8	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
81	9	$n \equiv 1 \text{ or } 729 \pmod{2916}$ except $n = 729$
81	10	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
81	11	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{3564}$ except $n = 649$
81	12	$n \equiv 1 \text{ or } 2673 \pmod{3888}$
81	13	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{4212}$ except $n = 325, 729, 1053$
81	14	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
81	15	$n \equiv 1, 1701, 1945, \text{ or } 3645 \pmod{4860}$ except $n = 1701, 1945$
81	16	$n \equiv 1 \text{ or } 3969 \pmod{5184}$
81	17	$n \equiv 1, 1377, 1701, \text{ or } 5185 \pmod{5508}$ except $n = 1377, 1701$
81	18	$n \equiv 1 \text{ or } 729 \pmod{5832}$ except $n = 729$

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Table 80: Superspectra for  $p = 81$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
81	19	$n \equiv 1, 4617, 4941, \text{ or } 5833 \pmod{6156}$
81	20	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
81	21	$n \equiv 1, 729, 973, \text{ or } 1701 \pmod{6804}$ except $n = 729, 973, 1701$
81	22	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{7128}$ except $n = 649, 2025, 2673$
81	23	$n \equiv 1, 2025, 3565, \text{ or } 5589 \pmod{7452}$ except $n = 2025, 3565$
81	24	$n \equiv 1 \text{ or } 6561 \pmod{7776}$
81	25	$n \equiv 1, 325, 1701, \text{ or } 2025 \pmod{8100}$ except $n = 325, 1701, 2025$
81	26	$n \equiv 1, 729, 4537, \text{ or } 5265 \pmod{8424}$ except $n = 729$
81	27	$n \equiv 1 \text{ or } 6561 \pmod{8748}$
81	28	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
81	29	$n \equiv 1, 2349, 4293, \text{ or } 7453 \pmod{9396}$ except $n = 2349, 4293$
81	30	$n \equiv 1, 1945, 6561, \text{ or } 8505 \pmod{9720}$ except $n = 1945$
81	31	$n \equiv 1, 3565, 3969, \text{ or } 7533 \pmod{10044}$ except $n = 3565, 3969$
81	32	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
81	33	$n \equiv 1, 2673, 5589, \text{ or } 7777 \pmod{10692}$ except $n = 2673$
81	34	$n \equiv 1, 1377, 5185, \text{ or } 7209 \pmod{11016}$ except $n = 1377, 5185$
81	35	$n \equiv 1, 1701, 3241, 5265, 6805, 8505, 9801, \text{ or } 10045 \pmod{11340}$ except $n = 1701, 3241, 5265$
81	36	$n \equiv 1 \text{ or } 6561 \pmod{11664}$
81	37	$n \equiv 1, 2997, 4293, \text{ or } 10693 \pmod{11988}$ except $n = 2997, 4293$
81	38	$n \equiv 1, 4617, 5833, \text{ or } 11097 \pmod{12312}$ except $n = 4617, 5833$
81	39	$n \equiv 1, 729, 8749, \text{ or } 9477 \pmod{12636}$ except $n = 729$
81	40	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
81	41	$n \equiv 1, 3321, 6561, \text{ or } 10045 \pmod{13284}$ except $n = 3321, 6561$
81	42	$n \equiv 1, 729, 7777, \text{ or } 8505 \pmod{13608}$ except $n = 729$
81	43	$n \equiv 1, 1377, 9073, \text{ or } 10449 \pmod{13932}$ except $n = 1377$

*continued on next page*

Table 80: Superspectra for  $p = 81$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
81	44	$n \equiv 1, 2673, 7777, \text{ or } 9153 \pmod{14256}$ except $n = 2673$
81	45	$n \equiv 1, 3645, 6561, \text{ or } 11665 \pmod{14580}$ except $n = 3645, 6561$
81	46	$n \equiv 1, 2025, 11017, \text{ or } 13041 \pmod{14904}$ except $n = 2025$
81	47	$n \equiv 1, 5265, 6157, \text{ or } 11421 \pmod{15228}$ except $n = 5265, 6157$
81	48	$n \equiv 1 \text{ or } 14337 \pmod{15552}$
81	49	$n \equiv 1, 3969, 9801, \text{ or } 10045 \pmod{15876}$ except $n = 3969$
81	50	$n \equiv 1, 2025, 8425, \text{ or } 9801 \pmod{16200}$ except $n = 2025$
81	51	$n \equiv 1, 1701, 10693, \text{ or } 12393 \pmod{16524}$ except $n = 1701$
81	52	$n \equiv 1, 5265, 9153, \text{ or } 12961 \pmod{16848}$ except $n = 5265$
81	53	$n \equiv 1, 4293, 7209, \text{ or } 14257 \pmod{17172}$ except $n = 4293, 7209$
81	54	$n \equiv 1 \text{ or } 6561 \pmod{17496}$ except $n = 6561$
81	55	$n \equiv 1, 2025, 3565, 9801, 11341, 13365, 14905, \text{ or } 16281 \pmod{17820}$ except $n = 2025, 3565$
81	56	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
81	57	$n \equiv 1, 4617, 5833, \text{ or } 17253 \pmod{18468}$ except $n = 4617, 5833$
81	58	$n \equiv 1, 11745, 13689, \text{ or } 16849 \pmod{18792}$
81	59	$n \equiv 1, 649, 13689, \text{ or } 14337 \pmod{19116}$ except $n = 649$
81	60	$n \equiv 1, 6561, 11665, \text{ or } 18225 \pmod{19440}$ except $n = 6561$
81	61	$n \equiv 1, 4941, 5185, \text{ or } 19521 \pmod{19764}$ except $n = 4941, 5185$
81	62	$n \equiv 1, 3969, 13609, \text{ or } 17577 \pmod{20088}$ except $n = 3969$
81	63	$n \equiv 1, 729, 14581, \text{ or } 15309 \pmod{20412}$ except $n = 729$
81	64	$n \equiv 1 \text{ or } 14337 \pmod{20736}$
81	65	$n \equiv 1, 325, 4941, 5265, 8425, 12961, 13365, \text{ or } 17901 \pmod{21060}$ except $n = 325, 4941, 5265, 8425$
81	66	$n \equiv 1, 2673, 7777, \text{ or } 16281 \pmod{21384}$ except $n = 2673, 7777$
81	67	$n \equiv 1, 16281, 18225, \text{ or } 19765 \pmod{21708}$

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Table 80: Superspectra for  $p = 81$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
81	68	$n \equiv 1, 1377, 5185, \text{ or } 18225 \pmod{22032}$ except $n = 1377, 5185$
81	69	$n \equiv 1, 5589, 9477, \text{ or } 18469 \pmod{22356}$ except $n = 5589, 9477$
81	70	$n \equiv 1, 3241, 5265, 8505, 9801, 13041, 18145, \text{ or } 21385 \pmod{22680}$ except $n = 3241, 5265, 8505, 9801$
81	71	$n \equiv 1, 17253, 17821, \text{ or } 22437 \pmod{23004}$
81	72	$n \equiv 1 \text{ or } 6561 \pmod{23328}$ except $n = 6561$
81	73	$n \equiv 1, 5913, 11097, \text{ or } 18469 \pmod{23652}$ except $n = 5913, 11097$
81	74	$n \equiv 1, 14985, 16281, \text{ or } 22681 \pmod{23976}$
81	75	$n \equiv 1, 1701, 16525, \text{ or } 18225 \pmod{24300}$ except $n = 1701$
81	76	$n \equiv 1, 16929, 18145, \text{ or } 23409 \pmod{24624}$
81	77	$n \equiv 1, 6237, 7777, 9801, 11341, 19845, 21385, \text{ or } 23409 \pmod{24948}$ except $n = 6237, 7777, 9801, 11341$
81	78	$n \equiv 1, 729, 21385, \text{ or } 22113 \pmod{25272}$ except $n = 729$
81	79	$n \equiv 1, 19197, 22357, \text{ or } 22437 \pmod{25596}$
81	80	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{25920}$ except $n = 5185$
81	81	$n \equiv 1 \text{ or } 6561 \pmod{26244}$ except $n = 6561$
81	82	$n \equiv 1, 3321, 6561, \text{ or } 23329 \pmod{26568}$ except $n = 3321, 6561$
81	83	$n \equiv 1, 3321, 16849, \text{ or } 20169 \pmod{26892}$ except $n = 3321$
81	84	$n \equiv 1, 7777, 14337, \text{ or } 22113 \pmod{27216}$ except $n = 7777$
81	85	$n \equiv 1, 1701, 5185, 6885, 16201, 16525, 17901, \text{ or } 18225 \pmod{27540}$ except $n = 1701, 5185, 6885$
81	86	$n \equiv 1, 1377, 9073, \text{ or } 10449 \pmod{27864}$ except $n = 1377, 9073, 10449$
81	87	$n \equiv 1, 21141, 23085, \text{ or } 26245 \pmod{28188}$
81	88	$n \equiv 1, 7777, 9153, \text{ or } 16929 \pmod{28512}$ except $n = 7777, 9153$
81	89	$n \equiv 1, 7209, 15309, \text{ or } 20737 \pmod{28836}$ except $n = 7209$
81	90	$n \equiv 1, 6561, 11665, \text{ or } 18225 \pmod{29160}$ except $n = 6561, 11665$

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Table 80: Superspectra for  $p = 81$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
81	91	$n \equiv 1, 729, 4537, 5265, 16849, 17577, 21385, \text{ or } 22113 \pmod{29484}$ except $n = 729, 4537, 5265$
81	92	$n \equiv 1, 13041, 16929, \text{ or } 25921 \pmod{29808}$ except $n = 13041$
81	93	$n \equiv 1, 7533, 13609, \text{ or } 24057 \pmod{30132}$ except $n = 7533, 13609$
81	94	$n \equiv 1, 5265, 21385, \text{ or } 26649 \pmod{30456}$ except $n = 5265$
81	95	$n \equiv 1, 4941, 18145, 23085, 24301, 24625, 29241, \text{ or } 29565 \pmod{30780}$ except $n = 4941$
81	96	$n \equiv 1 \text{ or } 14337 \pmod{31104}$ except $n = 14337$
81	97	$n \equiv 1, 7857, 15229, \text{ or } 24057 \pmod{31428}$ except $n = 7857, 15229$
81	98	$n \equiv 1, 3969, 9801, \text{ or } 25921 \pmod{31752}$ except $n = 3969, 9801$
81	99	$n \equiv 1, 24057, 26973, \text{ or } 29161 \pmod{32076}$
81	100	$n \equiv 1, 18225, 24625, \text{ or } 26001 \pmod{32400}$
81	101	$n \equiv 1, 405, 7777, \text{ or } 8181 \pmod{32724}$ except $n = 405, 7777, 8181$
81	102	$n \equiv 1, 12393, 18225, \text{ or } 27217 \pmod{33048}$ except $n = 12393$
81	103	$n \equiv 1, 9477, 15553, \text{ or } 25029 \pmod{33372}$ except $n = 9477, 15553$
81	104	$n \equiv 1, 9153, 12961, \text{ or } 22113 \pmod{33696}$ except $n = 9153, 12961$
81	105	$n \equiv 1, 1701, 6805, 8505, 14581, 21141, 21385, \text{ or } 27945 \pmod{34020}$ except $n = 1701, 6805, 8505, 14581$
81	106	$n \equiv 1, 7209, 14257, \text{ or } 21465 \pmod{34344}$ except $n = 7209, 14257$
81	107	$n \equiv 1, 2997, 23005, \text{ or } 26001 \pmod{34668}$ except $n = 2997$
81	108	$n \equiv 1 \text{ or } 6561 \pmod{34992}$ except $n = 6561$
81	109	$n \equiv 1, 8829, 20493, \text{ or } 23653 \pmod{35316}$ except $n = 8829$
81	110	$n \equiv 1, 2025, 9801, 14905, 16281, 21385, 29161, \text{ or } 31185 \pmod{35640}$ except $n = 2025, 9801, 14905, 16281$
81	111	$n \equiv 1, 10693, 16281, \text{ or } 26973 \pmod{35964}$ except $n = 10693, 16281$
81	112	$n \equiv 1, 3969, 14337, \text{ or } 25921 \pmod{36288}$ except $n = 3969, 14337$
81	113	$n \equiv 1, 9153, 14013, \text{ or } 31753 \pmod{36612}$ except $n = 9153, 14013$

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Table 80: Superspectra for  $p = 81$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
81	114	$n \equiv 1, 4617, 5833, \text{ or } 35721 \pmod{36936}$ except $n = 4617, 5833$
81	115	$n \equiv 1, 2025, 3565, 13041, 14905, 24381, 25921, \text{ or } 27945 \pmod{37260}$ except $n = 2025, 3565, 13041, 14905$
81	116	$n \equiv 1, 11745, 16849, \text{ or } 32481 \pmod{37584}$ except $n = 11745, 16849$
81	117	$n \equiv 1, 729, 8749, \text{ or } 9477 \pmod{37908}$ except $n = 729, 8749, 9477$
81	118	$n \equiv 1, 649, 13689, \text{ or } 14337 \pmod{38232}$ except $n = 649, 13689, 14337$
81	119	$n \equiv 1, 1701, 5509, 23409, 27217, 28917, 32725, \text{ or } 34749 \pmod{38556}$ except $n = 1701, 5509$
81	120	$n \equiv 1, 6561, 31105, \text{ or } 37665 \pmod{38880}$ except $n = 6561$
81	121	$n \equiv 1, 9801, 19845, \text{ or } 29161 \pmod{39204}$ except $n = 9801$
81	122	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{39528}$ except $n = 5185, 19521$
81	123	$n \equiv 1, 6561, 23329, \text{ or } 29889 \pmod{39852}$ except $n = 6561$
81	124	$n \equiv 1, 3969, 33697, \text{ or } 37665 \pmod{40176}$ except $n = 3969$
81	125	$n \equiv 1, 10125, 24625, \text{ or } 26001 \pmod{40500}$ except $n = 10125$
81	126	$n \equiv 1, 729, 34993, \text{ or } 35721 \pmod{40824}$ except $n = 729$
81	127	$n \equiv 1, 5589, 25273, \text{ or } 30861 \pmod{41148}$ except $n = 5589$
81	128	$n \equiv 1 \text{ or } 14337 \pmod{41472}$ except $n = 14337$

Table 81: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 82$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
82	2	$n \equiv 1 \text{ or } 369 \pmod{656}$
82	3	$n \equiv 1, 369, 657, \text{ or } 697 \pmod{984}$ except $n = 369$
82	4	$n \equiv 1 \text{ or } 1025 \pmod{1312}$
82	5	$n \equiv 1, 41, 985, \text{ or } 1025 \pmod{1640}$ except $n = 41$

*continued on next page*

Table 81: Superspectra for  $p = 82$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
82	6	$n \equiv 1, 369, 657, \text{ or } 1681 \pmod{1968}$ except $n = 369, 657$
82	7	$n \equiv 1, 329, 1681, \text{ or } 2009 \pmod{2296}$ except $n = 329$
82	8	$n \equiv 1 \text{ or } 1025 \pmod{2624}$ except $n = 1025$
82	9	$n \equiv 1, 369, 657, \text{ or } 2665 \pmod{2952}$ except $n = 369, 657$
82	10	$n \equiv 1, 1025, 1681, \text{ or } 2625 \pmod{3280}$ except $n = 1025$
82	11	$n \equiv 1, 1353, 1969, \text{ or } 2993 \pmod{3608}$ except $n = 1353$
82	12	$n \equiv 1, 2337, 2625, \text{ or } 3649 \pmod{3936}$
82	13	$n \equiv 1, 1313, 1353, \text{ or } 2665 \pmod{4264}$ except $n = 1313, 1353$
82	14	$n \equiv 1, 1681, 2625, \text{ or } 4305 \pmod{4592}$ except $n = 1681$
82	15	$n \equiv 1, 985, 1641, 1681, 2625, 2665, 3321, \text{ or } 4305 \pmod{4920}$ except $n = 985, 1641, 1681$
82	16	$n \equiv 1 \text{ or } 1025 \pmod{5248}$ except $n = 1025$
82	17	$n \equiv 1, 697, 2993, \text{ or } 3281 \pmod{5576}$ except $n = 697$
82	18	$n \equiv 1, 369, 657, \text{ or } 5617 \pmod{5904}$ except $n = 369, 657$
82	19	$n \equiv 1, 2337, 3649, \text{ or } 4921 \pmod{6232}$ except $n = 2337$
82	20	$n \equiv 1, 1025, 2625, \text{ or } 4961 \pmod{6560}$ except $n = 1025, 2625$
82	21	$n \equiv 1, 1681, 2625, 4305, 4593, 4921, 6273, \text{ or } 6601 \pmod{6888}$ except $n = 1681, 2625$
82	22	$n \equiv 1, 1969, 2993, \text{ or } 4961 \pmod{7216}$ except $n = 1969, 2993$
82	23	$n \equiv 1, 369, 6233, \text{ or } 6601 \pmod{7544}$ except $n = 369$
82	24	$n \equiv 1, 2625, 3649, \text{ or } 6273 \pmod{7872}$ except $n = 2625, 3649$
82	25	$n \equiv 1, 1025, 2625, \text{ or } 6601 \pmod{8200}$ except $n = 1025, 2625$
82	26	$n \equiv 1, 1313, 5617, \text{ or } 6929 \pmod{8528}$ except $n = 1313$
82	27	$n \equiv 1, 3321, 5617, \text{ or } 6561 \pmod{8856}$ except $n = 3321$
82	28	$n \equiv 1, 2625, 6273, \text{ or } 8897 \pmod{9184}$ except $n = 2625$
82	29	$n \equiv 1, 697, 5249, \text{ or } 5945 \pmod{9512}$ except $n = 697$

*continued on next page*



Table 81: Superspectra for  $p = 82$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
82	30	$n \equiv 1, 1681, 2625, 4305, 5905, 6561, 7585, \text{ or } 8241 \pmod{9840}$ except $n = 1681, 2625, 4305$
82	31	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{10168}$ except $n = 3937, 4961$
82	32	$n \equiv 1 \text{ or } 1025 \pmod{10496}$ except $n = 1025$
82	33	$n \equiv 1, 1353, 1969, 3609, 5577, 6601, 8569, \text{ or } 10209 \pmod{10824}$ except $n = 1353, 1969, 3609$
82	34	$n \equiv 1, 2993, 3281, \text{ or } 6273 \pmod{11152}$ except $n = 2993, 3281$
82	35	$n \equiv 1, 1681, 2625, 4305, 4921, 6601, 9185, \text{ or } 10865 \pmod{11480}$ except $n = 1681, 2625, 4305, 4921$
82	36	$n \equiv 1, 6273, 6561, \text{ or } 11521 \pmod{11808}$
82	37	$n \equiv 1, 2665, 4921, \text{ or } 7585 \pmod{12136}$ except $n = 2665, 4921$
82	38	$n \equiv 1, 2337, 3649, \text{ or } 11153 \pmod{12464}$ except $n = 2337, 3649$
82	39	$n \equiv 1, 1353, 2665, 5577, 5617, 8529, 9841, \text{ or } 11193 \pmod{12792}$ except $n = 1353, 2665, 5577, 5617$
82	40	$n \equiv 1, 1025, 2625, \text{ or } 11521 \pmod{13120}$ except $n = 1025, 2625$
82	41	$n \equiv 1 \text{ or } 1681 \pmod{13448}$ except $n = 1681$
82	42	$n \equiv 1, 1681, 2625, 4305, 4593, 6273, 11809, \text{ or } 13489 \pmod{13776}$ except $n = 1681, 2625, 4305, 4593, 6273$
82	43	$n \equiv 1, 5289, 7913, \text{ or } 11481 \pmod{14104}$ except $n = 5289$
82	44	$n \equiv 1, 4961, 9185, \text{ or } 10209 \pmod{14432}$ except $n = 4961$
82	45	$n \equiv 1, 2665, 3321, 5905, 6561, 9225, 11521, \text{ or } 12465 \pmod{14760}$ except $n = 2665, 3321, 5905, 6561$
82	46	$n \equiv 1, 369, 13777, \text{ or } 14145 \pmod{15088}$ except $n = 369$
82	47	$n \equiv 1, 329, 13161, \text{ or } 13489 \pmod{15416}$ except $n = 329$
82	48	$n \equiv 1, 6273, 10497, \text{ or } 11521 \pmod{15744}$ except $n = 6273$
82	49	$n \equiv 1, 2009, 6273, \text{ or } 11809 \pmod{16072}$ except $n = 2009, 6273$
82	50	$n \equiv 1, 1025, 2625, \text{ or } 14801 \pmod{16400}$ except $n = 1025, 2625$

*continued on next page*

Table 81: Superspectra for  $p = 82$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
82	51	$n \equiv 1, 697, 5577, 6273, 8569, 8857, 14145, \text{ or } 14433 \pmod{16728}$ except $n = 697, 5577, 6273$
82	52	$n \equiv 1, 1313, 14145, \text{ or } 15457 \pmod{17056}$ except $n = 1313$
82	53	$n \equiv 1, 10865, 12137, \text{ or } 16113 \pmod{17384}$
82	54	$n \equiv 1, 5617, 6561, \text{ or } 12177 \pmod{17712}$ except $n = 5617, 6561$
82	55	$n \equiv 1, 4961, 6601, 9185, 10825, 15785, 16401, \text{ or } 17425 \pmod{18040}$ except $n = 4961, 6601$
82	56	$n \equiv 1, 2625, 6273, \text{ or } 8897 \pmod{18368}$ except $n = 2625, 6273, 8897$
82	57	$n \equiv 1, 2337, 3649, 4921, 8569, 12465, 16113, \text{ or } 17385 \pmod{18696}$ except $n = 2337, 3649, 4921, 8569$
82	58	$n \equiv 1, 5249, 10209, \text{ or } 15457 \pmod{19024}$ except $n = 5249$
82	59	$n \equiv 1, 7257, 8201, \text{ or } 18409 \pmod{19352}$ except $n = 7257, 8201$
82	60	$n \equiv 1, 2625, 6561, 7585, 11521, 14145, 15745, \text{ or } 18081 \pmod{19680}$ except $n = 2625, 6561, 7585$
82	61	$n \equiv 1, 12505, 15129, \text{ or } 17385 \pmod{20008}$
82	62	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{20336}$ except $n = 3937, 4961, 8897$
82	63	$n \equiv 1, 6273, 8569, 9513, 11809, 18081, 18369, \text{ or } 20377 \pmod{20664}$ except $n = 6273, 8569, 9513$
82	64	$n \equiv 1 \text{ or } 1025 \pmod{20992}$ except $n = 1025$
82	65	$n \equiv 1, 2665, 4265, 9841, 9881, 14105, 14145, \text{ or } 19721 \pmod{21320}$ except $n = 2665, 4265, 9841, 9881$
82	66	$n \equiv 1, 1969, 10209, 12177, 14433, 16401, 17425, \text{ or } 19393 \pmod{21648}$ except $n = 1969, 10209$
82	67	$n \equiv 1, 8241, 14473, \text{ or } 15745 \pmod{21976}$ except $n = 8241$
82	68	$n \equiv 1, 6273, 14145, \text{ or } 14433 \pmod{22304}$ except $n = 6273$
82	69	$n \equiv 1, 369, 6601, 7545, 13777, 14145, 15457, \text{ or } 21321 \pmod{22632}$ except $n = 369, 6601, 7545$

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Table 81: Superspectra for  $p = 82$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
82	70	$n \equiv 1, 1681, 2625, 4305, 9185, 10865, 16401, \text{ or } 18081 \pmod{22960}$ except $n = 1681, 2625, 4305, 9185, 10865$
82	71	$n \equiv 1, 3977, 16401, \text{ or } 20377 \pmod{23288}$ except $n = 3977$
82	72	$n \equiv 1, 6273, 11521, \text{ or } 18369 \pmod{23616}$ except $n = 6273, 11521$
82	73	$n \equiv 1, 657, 2337, \text{ or } 2993 \pmod{23944}$ except $n = 657, 2337, 2993$
82	74	$n \equiv 1, 7585, 14801, \text{ or } 17057 \pmod{24272}$ except $n = 7585$
82	75	$n \equiv 1, 2625, 6601, 9225, 10825, 16401, 17425, \text{ or } 23001 \pmod{24600}$ except $n = 2625, 6601, 9225, 10825$
82	76	$n \equiv 1, 2337, 3649, \text{ or } 23617 \pmod{24928}$ except $n = 2337, 3649$
82	77	$n \equiv 1, 6601, 7217, 8569, 9185, 15785, 16401, \text{ or } 24641 \pmod{25256}$ except $n = 6601, 7217, 8569, 9185$
82	78	$n \equiv 1, 5617, 8529, 9841, 14145, 15457, 18369, \text{ or } 23985 \pmod{25584}$ except $n = 5617, 8529, 9841$
82	79	$n \equiv 1, 7585, 15089, \text{ or } 22673 \pmod{25912}$ except $n = 7585$
82	80	$n \equiv 1, 1025, 11521, \text{ or } 15745 \pmod{26240}$ except $n = 1025, 11521$
82	81	$n \equiv 1, 3321, 6561, \text{ or } 23329 \pmod{26568}$ except $n = 3321, 6561$
82	82	$n \equiv 1 \text{ or } 1681 \pmod{26896}$ except $n = 1681$
82	83	$n \equiv 1, 3321, 6889, \text{ or } 10209 \pmod{27224}$ except $n = 3321, 6889, 10209$
82	84	$n \equiv 1, 2625, 6273, 11809, 15457, 18081, 18369, \text{ or } 27265 \pmod{27552}$ except $n = 2625, 6273, 11809$
82	85	$n \equiv 1, 3281, 14145, 17425, 19721, 22305, 23001, \text{ or } 25585 \pmod{27880}$ except $n = 3281$
82	86	$n \equiv 1, 19393, 22017, \text{ or } 25585 \pmod{28208}$
82	87	$n \equiv 1, 697, 9513, 10209, 14761, 15457, 24273, \text{ or } 24969 \pmod{28536}$ except $n = 697, 9513, 10209$
82	88	$n \equiv 1, 19393, 23617, \text{ or } 24641 \pmod{28864}$
82	89	$n \equiv 1, 3649, 11481, \text{ or } 21361 \pmod{29192}$ except $n = 3649, 11481$

*continued on next page*

Table 81: Superspectra for  $p = 82$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
82	90	$n \equiv 1, 5905, 6561, 11521, 12465, 17425, 18081, \text{ or } 23985 \pmod{29520}$ except $n = 5905, 6561, 11521, 12465$
82	91	$n \equiv 1, 11193, 14105, 15457, 18369, 22673, 25585, \text{ or } 26937 \pmod{29848}$ except $n = 11193, 14105$
82	92	$n \equiv 1, 14145, 15457, \text{ or } 28865 \pmod{30176}$ except $n = 14145$
82	93	$n \equiv 1, 3937, 15129, 19065, 20337, 24273, 25297, \text{ or } 29233 \pmod{30504}$ except $n = 3937, 15129$
82	94	$n \equiv 1, 13489, 15745, \text{ or } 28577 \pmod{30832}$ except $n = 13489$
82	95	$n \equiv 1, 4921, 9881, 12465, 14801, 17385, 22345, \text{ or } 27265 \pmod{31160}$ except $n = 4921, 9881, 12465, 14801$
82	96	$n \equiv 1, 10497, 11521, \text{ or } 22017 \pmod{31488}$ except $n = 10497, 11521$
82	97	$n \equiv 1, 3977, 10865, \text{ or } 24929 \pmod{31816}$ except $n = 3977, 10865$
82	98	$n \equiv 1, 6273, 11809, \text{ or } 18081 \pmod{32144}$ except $n = 6273, 11809$
82	99	$n \equiv 1, 3609, 8569, 12177, 17425, 21033, 23617, \text{ or } 27225 \pmod{32472}$ except $n = 3609, 8569, 12177$
82	100	$n \equiv 1, 1025, 2625, \text{ or } 31201 \pmod{32800}$ except $n = 1025, 2625$
82	101	$n \equiv 1, 1313, 19393, \text{ or } 20705 \pmod{33128}$ except $n = 1313$
82	102	$n \equiv 1, 6273, 14145, 14433, 17425, 22305, 25297, \text{ or } 25585 \pmod{33456}$ except $n = 6273, 14145, 14433$
82	103	$n \equiv 1, 8241, 21321, \text{ or } 29561 \pmod{33784}$ except $n = 8241$
82	104	$n \equiv 1, 14145, 18369, \text{ or } 32513 \pmod{34112}$ except $n = 14145$
82	105	$n \equiv 1, 1681, 2625, 4305, 4921, 6601, 11481, 13161, 16401,$ $18081, 20665, 22345, 25585, 27265, 32145, \text{ or } 33825 \pmod{34440}$ except $n = 1681, 2625, 4305, 4921, 6601, 11481, 13161, 16401$
82	106	$n \equiv 1, 10865, 16113, \text{ or } 29521 \pmod{34768}$ except $n = 10865, 16113$
82	107	$n \equiv 1, 13161, 20009, \text{ or } 28249 \pmod{35096}$ except $n = 13161$
82	108	$n \equiv 1, 6561, 23329, \text{ or } 29889 \pmod{35424}$ except $n = 6561$
82	109	$n \equiv 1, 22345, 22673, \text{ or } 35425 \pmod{35752}$

*continued on next page*

Table 81: Superspectra for  $p = 82$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
82	110	$n \equiv 1, 4961, 9185, 16401, 17425, 24641, 28865, \text{ or } 33825 \pmod{36080}$ except $n = 4961, 9185, 16401, 17425$
82	111	$n \equiv 1, 2665, 4921, 7585, 24273, 26937, 29193, \text{ or } 31857 \pmod{36408}$ except $n = 2665, 4921, 7585$
82	112	$n \equiv 1, 6273, 20993, \text{ or } 27265 \pmod{36736}$ except $n = 6273$
82	113	$n \equiv 1, 4633, 18081, \text{ or } 23617 \pmod{37064}$ except $n = 4633, 18081$
82	114	$n \equiv 1, 2337, 3649, 12465, 16113, 23617, 27265, \text{ or } 36081 \pmod{37392}$ except $n = 2337, 3649, 12465, 16113$
82	115	$n \equiv 1, 6601, 7545, 14145, 21321, 23001, 28865, \text{ or } 30545 \pmod{37720}$ except $n = 6601, 7545, 14145$
82	116	$n \equiv 1, 5249, 10209, \text{ or } 15457 \pmod{38048}$ except $n = 5249, 10209, 15457$
82	117	$n \equiv 1, 2665, 5617, 18369, 21321, 23985, 26937, \text{ or } 35425 \pmod{38376}$ except $n = 2665, 5617, 18369$
82	118	$n \equiv 1, 26609, 27553, \text{ or } 37761 \pmod{38704}$
82	119	$n \equiv 1, 6273, 8569, 25585, 27881, 34153, 36449, \text{ or } 36737 \pmod{39032}$ except $n = 6273, 8569$
82	120	$n \equiv 1, 2625, 11521, 14145, 15745, 26241, 27265, \text{ or } 37761 \pmod{39360}$ except $n = 2625, 11521, 14145, 15745$
82	121	$n \equiv 1, 4961, 17425, \text{ or } 27225 \pmod{39688}$ except $n = 4961, 17425$
82	122	$n \equiv 1, 32513, 35137, \text{ or } 37393 \pmod{40016}$
82	123	$n \equiv 1, 1681, 13449, \text{ or } 15129 \pmod{40344}$ except $n = 1681, 13449, 15129$
82	124	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{40672}$ except $n = 3937, 4961, 8897$
82	125	$n \equiv 1, 2625, 23001, \text{ or } 25625 \pmod{41000}$ except $n = 2625$
82	126	$n \equiv 1, 6273, 11809, 18081, 18369, 29233, 30177, \text{ or } 41041 \pmod{41328}$ except $n = 6273, 11809, 18081, 18369$
82	127	$n \equiv 1, 3937, 32513, \text{ or } 36449 \pmod{41656}$ except $n = 3937$
82	128	$n \equiv 1 \text{ or } 1025 \pmod{41984}$ except $n = 1025$

Table 82: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 83$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
83	2	$n \equiv 1$ or $249 \pmod{664}$ except $n = 249$
83	3	$n \equiv 1, 249, 333, \text{ or } 913 \pmod{996}$ except $n = 249, 333$
83	4	$n \equiv 1$ or $913 \pmod{1328}$
83	5	$n \equiv 1, 581, 665, \text{ or } 1245 \pmod{1660}$ except $n = 581, 665$
83	6	$n \equiv 1, 249, 913, \text{ or } 1329 \pmod{1992}$ except $n = 249, 913$
83	7	$n \equiv 1, 581, 665, \text{ or } 2241 \pmod{2324}$ except $n = 581, 665$
83	8	$n \equiv 1$ or $2241 \pmod{2656}$
83	9	$n \equiv 1, 333, 1909, \text{ or } 2241 \pmod{2988}$ except $n = 333$
83	10	$n \equiv 1, 665, 2241, \text{ or } 2905 \pmod{3320}$ except $n = 665$
83	11	$n \equiv 1, 913, 1661, \text{ or } 2905 \pmod{3652}$ except $n = 913, 1661$
83	12	$n \equiv 1, 913, 1329, \text{ or } 2241 \pmod{3984}$ except $n = 913, 1329$
83	13	$n \equiv 1, 3237, 3653, \text{ or } 3901 \pmod{4316}$
83	14	$n \equiv 1, 665, 2241, \text{ or } 2905 \pmod{4648}$ except $n = 665, 2241$
83	15	$n \equiv 1, 1245, 2241, 2325, 2905, 3321, 3901, \text{ or } 3985 \pmod{4980}$ except $n = 1245, 2241, 2325$
83	16	$n \equiv 1$ or $2241 \pmod{5312}$ except $n = 2241$
83	17	$n \equiv 1, 4233, 4897, \text{ or } 4981 \pmod{5644}$
83	18	$n \equiv 1, 2241, 3321, \text{ or } 4897 \pmod{5976}$ except $n = 2241$
83	19	$n \equiv 1, 665, 913, \text{ or } 1577 \pmod{6308}$ except $n = 665, 913, 1577$
83	20	$n \equiv 1, 2241, 3985, \text{ or } 6225 \pmod{6640}$ except $n = 2241$
83	21	$n \equiv 1, 2241, 2325, 2905, 2989, 5229, 5313, \text{ or } 6889 \pmod{6972}$ except $n = 2241, 2325, 2905, 2989$
83	22	$n \equiv 1, 913, 2905, \text{ or } 5313 \pmod{7304}$ except $n = 913, 2905$
83	23	$n \equiv 1, 1909, 4233, \text{ or } 5313 \pmod{7636}$ except $n = 1909$
83	24	$n \equiv 1, 2241, 4897, \text{ or } 5313 \pmod{7968}$ except $n = 2241$

*continued on next page*

Table 82: Superspectra for  $p = 83$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
83	25	$n \equiv 1, 2325, 3901, \text{ or } 6225 \pmod{8300}$ except $n = 2325, 3901$
83	26	$n \equiv 1, 7553, 7969, \text{ or } 8217 \pmod{8632}$
83	27	$n \equiv 1, 2241, 3321, \text{ or } 7885 \pmod{8964}$ except $n = 2241, 3321$
83	28	$n \equiv 1, 2241, 5313, \text{ or } 7553 \pmod{9296}$ except $n = 2241$
83	29	$n \equiv 1, 581, 6641, \text{ or } 7221 \pmod{9628}$ except $n = 581$
83	30	$n \equiv 1, 2241, 2905, 3321, 3985, 6225, 7305, \text{ or } 8881 \pmod{9960}$ except $n = 2241, 2905, 3321, 3985$
83	31	$n \equiv 1, 249, 2325, \text{ or } 2573 \pmod{10292}$ except $n = 249, 2325, 2573$
83	32	$n \equiv 1 \text{ or } 7553 \pmod{10624}$
83	33	$n \equiv 1, 913, 2905, 5313, 7305, 8217, 8965, \text{ or } 10209 \pmod{10956}$ except $n = 913, 2905, 5313$
83	34	$n \equiv 1, 4233, 4897, \text{ or } 10625 \pmod{11288}$ except $n = 4233, 4897$
83	35	$n \equiv 1, 581, 665, 2241, 2325, 2905, 4565, \text{ or } 9961 \pmod{11620}$ except $n = 581, 665, 2241, 2325, 2905, 4565$
83	36	$n \equiv 1, 2241, 4897, \text{ or } 9297 \pmod{11952}$ except $n = 2241, 4897$
83	37	$n \equiv 1, 333, 8881, \text{ or } 9213 \pmod{12284}$ except $n = 333$
83	38	$n \equiv 1, 665, 913, \text{ or } 1577 \pmod{12616}$ except $n = 665, 913, 1577$
83	39	$n \equiv 1, 3237, 3901, 4317, 7969, 8217, 11869, \text{ or } 12285 \pmod{12948}$ except $n = 3237, 3901, 4317$
83	40	$n \equiv 1, 2241, 10625, \text{ or } 12865 \pmod{13280}$ except $n = 2241$
83	41	$n \equiv 1, 3321, 6889, \text{ or } 10209 \pmod{13612}$ except $n = 3321$
83	42	$n \equiv 1, 2241, 2905, 5313, 6889, 9297, 9961, \text{ or } 12201 \pmod{13944}$ except $n = 2241, 2905, 5313, 6889$
83	43	$n \equiv 1, 3569, 5977, \text{ or } 11869 \pmod{14276}$ except $n = 3569, 5977$
83	44	$n \equiv 1, 913, 5313, \text{ or } 10209 \pmod{14608}$ except $n = 913, 5313$
83	45	$n \equiv 1, 2241, 3321, 7885, 8965, 11205, 12285, \text{ or } 13861 \pmod{14940}$ except $n = 2241, 3321$

*continued on next page*

Table 82: Superspectra for  $p = 83$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
83	46	$n \equiv 1, 4233, 5313, \text{ or } 9545 \pmod{15272}$ except $n = 4233, 5313$
83	47	$n \equiv 1, 3901, 9213, \text{ or } 10293 \pmod{15604}$ except $n = 3901$
83	48	$n \equiv 1, 2241, 5313, \text{ or } 12865 \pmod{15936}$ except $n = 2241, 5313$
83	49	$n \equiv 1, 2989, 9213, \text{ or } 12201 \pmod{16268}$ except $n = 2989$
83	50	$n \equiv 1, 6225, 10625, \text{ or } 12201 \pmod{16600}$ except $n = 6225$
83	51	$n \equiv 1, 4233, 4897, 4981, 9877, 11289, 16185, \text{ or } 16269 \pmod{16932}$ except $n = 4233, 4897, 4981$
83	52	$n \equiv 1, 7553, 7969, \text{ or } 16849 \pmod{17264}$ except $n = 7553, 7969$
83	53	$n \equiv 1, 1909, 11289, \text{ or } 13197 \pmod{17596}$ except $n = 1909$
83	54	$n \equiv 1, 2241, 3321, \text{ or } 16849 \pmod{17928}$ except $n = 2241, 3321$
83	55	$n \equiv 1, 1661, 2905, 4565, 7305, 8965, 13861, \text{ or } 15521 \pmod{18260}$ except $n = 1661, 2905, 4565, 7305, 8965$
83	56	$n \equiv 1, 2241, 5313, \text{ or } 7553 \pmod{18592}$ except $n = 2241, 5313, 7553$
83	57	$n \equiv 1, 913, 6309, 6973, 7221, 7885, 13281, \text{ or } 14193 \pmod{18924}$ except $n = 913, 6309, 6973, 7221, 7885$
83	58	$n \equiv 1, 6641, 10209, \text{ or } 16849 \pmod{19256}$ except $n = 6641$
83	59	$n \equiv 1, 4897, 7553, \text{ or } 16933 \pmod{19588}$ except $n = 4897, 7553$
83	60	$n \equiv 1, 2241, 3985, 6225, 8881, 12865, 13281, \text{ or } 17265 \pmod{19920}$ except $n = 2241, 3985, 6225, 8881$
83	61	$n \equiv 1, 2989, 12201, \text{ or } 15189 \pmod{20252}$ except $n = 2989$
83	62	$n \equiv 1, 249, 12617, \text{ or } 12865 \pmod{20584}$ except $n = 249$
83	63	$n \equiv 1, 2241, 2989, 5229, 9297, 12285, 13861, \text{ or } 16849 \pmod{20916}$ except $n = 2241, 2989, 5229, 9297$
83	64	$n \equiv 1 \text{ or } 18177 \pmod{21248}$
83	65	$n \equiv 1, 3901, 12285, 16185, 16601, 17265, 20501, \text{ or } 21165 \pmod{21580}$ except $n = 3901$

*continued on next page*



Table 82: Superspectra for  $p = 83$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
83	66	$n \equiv 1, 913, 2905, 5313, 7305, 8217, 10209, \text{ or } 19921 \pmod{21912}$ except $n = 913, 2905, 5313, 7305, 8217, 10209$
83	67	$n \equiv 1, 5561, 12865, \text{ or } 14941 \pmod{22244}$ except $n = 5561$
83	68	$n \equiv 1, 4897, 10625, \text{ or } 15521 \pmod{22576}$ except $n = 4897, 10625$
83	69	$n \equiv 1, 1909, 4233, 5313, 11869, 12949, 15273, \text{ or } 17181 \pmod{22908}$ except $n = 1909, 4233, 5313$
83	70	$n \equiv 1, 665, 2241, 2905, 9961, 12201, 13945, \text{ or } 16185 \pmod{23240}$ except $n = 665, 2241, 2905, 9961$
83	71	$n \equiv 1, 5893, 11289, \text{ or } 18177 \pmod{23572}$ except $n = 5893, 11289$
83	72	$n \equiv 1, 2241, 4897, \text{ or } 21249 \pmod{23904}$ except $n = 2241, 4897$
83	73	$n \equiv 1, 7885, 10293, \text{ or } 18177 \pmod{24236}$ except $n = 7885, 10293$
83	74	$n \equiv 1, 8881, 12617, \text{ or } 21497 \pmod{24568}$ except $n = 8881$
83	75	$n \equiv 1, 2325, 3901, 6225, 8301, 12201, 18925, \text{ or } 22825 \pmod{24900}$ except $n = 2325, 3901, 6225, 8301, 12201$
83	76	$n \equiv 1, 913, 13281, \text{ or } 14193 \pmod{25232}$ except $n = 913$
83	77	$n \equiv 1, 2905, 4565, 5313, 13861, 14609, 16269, \text{ or } 19173 \pmod{25564}$ except $n = 2905, 4565, 5313$
83	78	$n \equiv 1, 7969, 8217, 16185, 16849, 17265, 24817, \text{ or } 25233 \pmod{25896}$ except $n = 7969, 8217$
83	79	$n \equiv 1, 6557, 8217, \text{ or } 24569 \pmod{26228}$ except $n = 6557, 8217$
83	80	$n \equiv 1, 2241, 10625, \text{ or } 12865 \pmod{26560}$ except $n = 2241, 10625, 12865$
83	81	$n \equiv 1, 3321, 16849, \text{ or } 20169 \pmod{26892}$ except $n = 3321$
83	82	$n \equiv 1, 3321, 6889, \text{ or } 10209 \pmod{27224}$ except $n = 3321, 6889, 10209$
83	83	$n \equiv 1 \text{ or } 6889 \pmod{27556}$ except $n = 6889$
83	84	$n \equiv 1, 2241, 5313, 9297, 16849, 20833, 23905, \text{ or } 26145 \pmod{27888}$ except $n = 2241, 5313, 9297$
83	85	$n \equiv 1, 4981, 5645, 10541, 10625, 15521, 16185, \text{ or } 21165 \pmod{28220}$ except $n = 4981, 5645, 10541, 10625$

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Table 82: Superspectra for  $p = 83$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
83	86	$n \equiv 1, 3569, 5977, \text{ or } 26145 \pmod{28552}$ except $n = 3569, 5977$
83	87	$n \equiv 1, 7221, 10209, 16269, 16849, 19257, 19837, \text{ or } 25897 \pmod{28884}$ except $n = 7221, 10209$
83	88	$n \equiv 1, 5313, 10209, \text{ or } 15521 \pmod{29216}$ except $n = 5313, 10209$
83	89	$n \equiv 1, 8633, 13529, \text{ or } 22161 \pmod{29548}$ except $n = 8633, 13529$
83	90	$n \equiv 1, 2241, 3321, 22825, 23905, 26145, 27225, \text{ or } 28801 \pmod{29880}$ except $n = 2241, 3321$
83	91	$n \equiv 1, 7553, 12285, 16185, 16849, 20917, 21581, \text{ or } 25481 \pmod{30212}$ except $n = 7553, 12285$
83	92	$n \equiv 1, 5313, 19505, \text{ or } 24817 \pmod{30544}$ except $n = 5313$
83	93	$n \equiv 1, 249, 2325, 10293, 12865, 20833, 22909, \text{ or } 23157 \pmod{30876}$ except $n = 249, 2325, 10293, 12865$
83	94	$n \equiv 1, 19505, 24817, \text{ or } 25897 \pmod{31208}$
83	95	$n \equiv 1, 665, 7221, 7885, 13281, 18925, 20501, \text{ or } 26145 \pmod{31540}$ except $n = 665, 7221, 7885, 13281$
83	96	$n \equiv 1, 18177, 21249, \text{ or } 28801 \pmod{31872}$
83	97	$n \equiv 1, 8633, 15521, \text{ or } 24153 \pmod{32204}$ except $n = 8633, 15521$
83	98	$n \equiv 1, 12201, 19257, \text{ or } 25481 \pmod{32536}$ except $n = 12201$
83	99	$n \equiv 1, 8217, 8965, 13861, 18261, 22825, 27225, \text{ or } 32121 \pmod{32868}$ except $n = 8217, 8965, 13861$
83	100	$n \equiv 1, 6225, 10625, \text{ or } 28801 \pmod{33200}$ except $n = 6225, 10625$
83	101	$n \equiv 1, 25149, 27473, \text{ or } 31209 \pmod{33532}$
83	102	$n \equiv 1, 4233, 4897, 11289, 16185, 21913, 26809, \text{ or } 33201 \pmod{33864}$ except $n = 4233, 4897, 11289, 16185$
83	103	$n \equiv 1, 8549, 11537, \text{ or } 31209 \pmod{34196}$ except $n = 8549, 11537$
83	104	$n \equiv 1, 7553, 7969, \text{ or } 34113 \pmod{34528}$ except $n = 7553, 7969$

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Table 82: Superspectra for  $p = 83$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
83	105	$n \equiv 1, 2241, 2325, 2905, 9961, 12201, 12285, 13861, 13945,$ $16185, 23241, 23821, 23905, 26145, 27805, \text{ or } 33201 \pmod{34860}$ except $n = 2241, 2325, 2905, 9961, 12201,$ $12285, 13861, 13945, 16185$
83	106	$n \equiv 1, 11289, 19505, \text{ or } 30793 \pmod{35192}$ except $n = 11289$
83	107	$n \equiv 1, 8881, 21829, \text{ or } 22577 \pmod{35524}$ except $n = 8881$
83	108	$n \equiv 1, 2241, 16849, \text{ or } 21249 \pmod{35856}$ except $n = 2241, 16849$
83	109	$n \equiv 1, 27141, 28885, \text{ or } 34445 \pmod{36188}$
83	110	$n \equiv 1, 2905, 7305, 15521, 19921, 22825, 27225, \text{ or } 32121 \pmod{36520}$ except $n = 2905, 7305, 15521$
83	111	$n \equiv 1, 333, 8881, 9213, 12285, 21165, 24901, \text{ or } 33781 \pmod{36852}$ except $n = 333, 8881, 9213, 12285$
83	112	$n \equiv 1, 2241, 5313, \text{ or } 7553 \pmod{37184}$ except $n = 2241, 5313, 7553$
83	113	$n \equiv 1, 28137, 32205, \text{ or } 33449 \pmod{37516}$
83	114	$n \equiv 1, 913, 13281, 14193, 25233, 25897, 26145, \text{ or } 26809 \pmod{37848}$ except $n = 913, 13281, 14193$
83	115	$n \equiv 1, 9545, 17181, 19505, 20585, 27141, 28221, \text{ or } 30545 \pmod{38180}$ except $n = 9545, 17181$
83	116	$n \equiv 1, 6641, 10209, \text{ or } 16849 \pmod{38512}$ except $n = 6641, 10209, 16849$
83	117	$n \equiv 1, 8217, 12285, 16849, 20917, 29133, 30213, \text{ or } 37765 \pmod{38844}$ except $n = 8217, 12285, 16849$
83	118	$n \equiv 1, 4897, 7553, \text{ or } 36521 \pmod{39176}$ except $n = 4897, 7553$
83	119	$n \equiv 1, 9877, 16185, 16269, 16933, 32453, 33117, \text{ or } 33201 \pmod{39508}$ except $n = 9877, 16185, 16269, 16933$
83	120	$n \equiv 1, 2241, 12865, 13281, 23905, 26145, 28801, \text{ or } 37185 \pmod{39840}$ except $n = 2241, 12865, 13281$
83	121	$n \equiv 1, 2905, 27225, \text{ or } 30129 \pmod{40172}$ except $n = 2905$
83	122	$n \equiv 1, 12201, 23241, \text{ or } 35441 \pmod{40504}$ except $n = 12201$

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Table 82: Superspectra for  $p = 83$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
83	123	$n \equiv 1, 3321, 6889, 10209, 16933, 23821, 27225, \text{ or } 34113 \pmod{40836}$ except $n = 3321, 6889, 10209, 16933$
83	124	$n \equiv 1, 12865, 20833, \text{ or } 33201 \pmod{41168}$ except $n = 12865$
83	125	$n \equiv 1, 10625, 20501, \text{ or } 31125 \pmod{41500}$ except $n = 10625, 20501$
83	126	$n \equiv 1, 2241, 9297, 16849, 23905, 26145, 33201, \text{ or } 34777 \pmod{41832}$ except $n = 2241, 9297, 16849$
83	127	$n \equiv 1, 10541, 23241, \text{ or } 29465 \pmod{42164}$ except $n = 10541$
83	128	$n \equiv 1 \text{ or } 39425 \pmod{42496}$

Table 83: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 84$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	2	$n \equiv 1, 225, 385, \text{ or } 609 \pmod{672}$ except $n = 225$
84	3	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
84	4	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{1344}$ except $n = 385$
84	5	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
84	6	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
84	7	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
84	8	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
84	9	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
84	10	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
84	11	$n \equiv 1, 385, 561, 1057, 1233, 1617, 2289, \text{ or } 3025 \pmod{3696}$ except $n = 385, 561, 1057, 1233, 1617$
84	12	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$

*continued on next page*

Table 83: Superspectra for  $p = 84$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	13	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
84	14	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
84	15	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
84	16	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
84	17	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
84	18	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
84	19	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
84	20	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
84	21	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
84	22	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
84	23	$n \equiv 1, 897, 2577, 2737, 4417, 5313, 6049, \text{ or } 6993 \pmod{7728}$ except $n = 897, 2577, 2737$
84	24	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
84	25	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
84	26	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
84	27	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
84	28	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
84	29	$n \equiv 1, 609, 1393, 3249, 4641, 5713, 7105, \text{ or } 8961 \pmod{9744}$ except $n = 609, 1393, 3249, 4641$

*continued on next page*

Table 83: Superspectra for  $p = 84$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	30	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
84	31	$n \equiv 1, 1953, 3969, 4929, 5425, 6945, 7441, \text{ or } 8401 \pmod{10416}$ except $n = 1953, 3969, 4929$
84	32	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$
84	33	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
84	34	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
84	35	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
84	36	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
84	37	$n \equiv 1, 2961, 4033, 6993, 7105, 8289, 11137, \text{ or } 12321 \pmod{12432}$ except $n = 2961, 4033$
84	38	$n \equiv 1, 609, 1729, 4257, 5377, 5985, 9121, \text{ or } 9633 \pmod{12768}$ except $n = 609, 1729, 4257, 5377, 5985$
84	39	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
84	40	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
84	41	$n \equiv 1, 1681, 2625, 4305, 4593, 6273, 11809, \text{ or } 13489 \pmod{13776}$ except $n = 1681, 2625, 4305, 4593, 6273$
84	42	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
84	43	$n \equiv 1, 2065, 4257, 6321, 9073, 9633, 11137, \text{ or } 11697 \pmod{14448}$ except $n = 2065, 4257, 6321$
84	44	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
84	45	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$

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Table 83: Superspectra for  $p = 84$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	46	$n \equiv 1, 897, 4417, 5313, 6049, 10305, 10465, \text{ or } 14721 \pmod{15456}$ except $n = 897, 4417, 5313, 6049$
84	47	$n \equiv 1, 2961, 5265, 6721, 6769, 11985, 12033, \text{ or } 13489 \pmod{15792}$ except $n = 2961, 5265, 6721, 6769$
84	48	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
84	49	$n \equiv 1, 2401, 10977, \text{ or } 13377 \pmod{16464}$ except $n = 2401$
84	50	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
84	51	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
84	52	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
84	53	$n \equiv 1, 4081, 4929, 5089, 5937, 10017, 11025, \text{ or } 16801 \pmod{17808}$ except $n = 4081, 4929, 5089, 5937$
84	54	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
84	55	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
84	56	$n \equiv 1, 3969, 6273, \text{ or } 16513 \pmod{18816}$ except $n = 3969, 6273$
84	57	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 18145 \pmod{19152}$ except $n = 1729, 2737, 3249, 4257, 5985, 6993$
84	58	$n \equiv 1, 609, 4641, 7105, 8961, 11137, 12993, \text{ or } 15457 \pmod{19488}$ except $n = 609, 4641, 7105, 8961$
84	59	$n \equiv 1, 945, 2065, 6609, 7729, 8673, 14161, \text{ or } 14337 \pmod{19824}$ except $n = 945, 2065, 6609, 7729, 8673$
84	60	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
84	61	$n \equiv 1, 1281, 1953, 8113, 8785, 12993, 13665, \text{ or } 19825 \pmod{20496}$ except $n = 1281, 1953, 8113, 8785$

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Table 83: Superspectra for  $p = 84$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	62	$n \equiv 1, 1953, 3969, 4929, 6945, 15841, 17857, \text{ or } 18817 \pmod{20832}$ except $n = 1953, 3969, 4929, 6945$
84	63	$n \equiv 1, 3969, 4753, \text{ or } 20385 \pmod{21168}$ except $n = 3969, 4753$
84	64	$n \equiv 1, 3073, 14337, \text{ or } 17409 \pmod{21504}$ except $n = 3073$
84	65	$n \equiv 1, 3745, 4641, 5265, 6721, 7281, 10465, 11025, 12481,$ $13105, 14001, 17745, 19201, 19761, 19825, \text{ or } 20385 \pmod{21840}$ except $n = 3745, 4641, 5265, 6721, 7281, 10465$
84	66	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
84	67	$n \equiv 1, 6097, 6433, 14673, 15009, 21105, 21441, \text{ or } 22177 \pmod{22512}$ except $n = 6097, 6433$
84	68	$n \equiv 1, 6273, 7617, 8449, 9793, 16065, 17409, \text{ or } 21505 \pmod{22848}$ except $n = 6273, 7617, 8449, 9793$
84	69	$n \equiv 1, 2737, 6049, 6993, 10305, 13041, 16353, \text{ or } 19873 \pmod{23184}$ except $n = 2737, 6049, 6993, 10305$
84	70	$n \equiv 1, 2401, 4705, 7105, 15681, 18081, 20385, \text{ or } 22785 \pmod{23520}$ except $n = 2401, 4705, 7105$
84	71	$n \equiv 1, 3409, 5041, 7953, 8449, 11361, 12993, \text{ or } 16401 \pmod{23856}$ except $n = 3409, 5041, 7953, 8449, 11361$
84	72	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
84	73	$n \equiv 1, 7665, 9345, 14673, 15841, 16353, 17521, \text{ or } 22849 \pmod{24528}$ except $n = 7665, 9345$
84	74	$n \equiv 1, 4033, 7105, 8289, 11137, 12321, 15393, \text{ or } 19425 \pmod{24864}$ except $n = 4033, 7105, 8289, 11137, 12321$
84	75	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
84	76	$n \equiv 1, 1729, 5377, 13377, 17025, 18753, 21889, \text{ or } 22401 \pmod{25536}$ except $n = 1729, 5377$

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Table 83: Superspectra for  $p = 84$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	77	$n \equiv 1, 1617, 4753, 8625, 13377, 14113, 18865, \text{ or } 22737 \pmod{25872}$ except $n = 1617, 4753, 8625$
84	78	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
84	79	$n \equiv 1, 4977, 6321, 13825, 15169, 16353, 17697, \text{ or } 25201 \pmod{26544}$ except $n = 4977, 6321$
84	80	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
84	81	$n \equiv 1, 7777, 14337, \text{ or } 22113 \pmod{27216}$ except $n = 7777$
84	82	$n \equiv 1, 2625, 6273, 11809, 15457, 18081, 18369, \text{ or } 27265 \pmod{27552}$ except $n = 2625, 6273, 11809$
84	83	$n \equiv 1, 2241, 5313, 9297, 16849, 20833, 23905, \text{ or } 26145 \pmod{27888}$ except $n = 2241, 5313, 9297$
84	84	$n \equiv 1, 3969, 6273, \text{ or } 25921 \pmod{28224}$ except $n = 3969, 6273$
84	85	$n \equiv 1, 561, 1905, 4081, 4641, 5985, 10081, 11425, 11985,$ $14161, 15505, 16065, 19041, 21505, 23121, \text{ or } 25585 \pmod{28560}$ except $n = 561, 1905, 4081, 4641, 5985,$ $10081, 11425, 11985, 14161$
84	86	$n \equiv 1, 4257, 9633, 11137, 16513, 20769, 23521, \text{ or } 26145 \pmod{28896}$ except $n = 4257, 9633, 11137$
84	87	$n \equiv 1, 3249, 16849, 20097, 20881, 24129, 25201, \text{ or } 28449 \pmod{29232}$ except $n = 3249$
84	88	$n \equiv 1, 385, 8449, 11649, 19713, 20097, 21505, \text{ or } 28161 \pmod{29568}$ except $n = 385, 8449, 11649$
84	89	$n \equiv 1, 9345, 9969, 12817, 16465, 22785, 26433, \text{ or } 29281 \pmod{29904}$ except $n = 9345, 9969, 12817$
84	90	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$

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Table 83: Superspectra for  $p = 84$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	91	$n \equiv 1, 2353, 11025, 13377, 20385, 21217, 22737, \text{ or } 23569 \pmod{30576}$ except $n = 2353, 11025, 13377$
84	92	$n \equiv 1, 897, 4417, 5313, 10305, 14721, 21505, \text{ or } 25921 \pmod{30912}$ except $n = 897, 4417, 5313, 10305, 14721$
84	93	$n \equiv 1, 1953, 3969, 15345, 15841, 17361, 17857, \text{ or } 29233 \pmod{31248}$ except $n = 1953, 3969, 15345$
84	94	$n \equiv 1, 6721, 12033, 18753, 21057, 22561, 27777, \text{ or } 29281 \pmod{31584}$ except $n = 6721, 12033$
84	95	$n \equiv 1, 5985, 6385, 9121, 10641, 11761, 15505, 17025, 18145,$ $19761, 20881, 22401, 26145, 27265, 28785, \text{ or } 31521 \pmod{31920}$ except $n = 5985, 6385, 9121, 10641, 11761, 15505$
84	96	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{32256}$ except $n = 13825, 14337$
84	97	$n \equiv 1, 4753, 9409, 17073, 21729, 26481, 27937, \text{ or } 31137 \pmod{32592}$ except $n = 4753, 9409$
84	98	$n \equiv 1, 2401, 10977, \text{ or } 13377 \pmod{32928}$ except $n = 2401, 10977, 13377$
84	99	$n \equiv 1, 3025, 4753, 7777, 23409, 26433, 28161, \text{ or } 31185 \pmod{33264}$ except $n = 3025, 4753, 7777$
84	100	$n \equiv 1, 2625, 8001, 13825, 17025, 19201, 22401, \text{ or } 28225 \pmod{33600}$ except $n = 2625, 8001, 13825$
84	101	$n \equiv 1, 1617, 7777, 11313, 17473, 19089, 24241, \text{ or } 28785 \pmod{33936}$ except $n = 1617, 7777, 11313$
84	102	$n \equiv 1, 5985, 6273, 9793, 10081, 16065, 19873, \text{ or } 30465 \pmod{34272}$ except $n = 5985, 6273, 9793, 10081, 16065$
84	103	$n \equiv 1, 721, 3297, 8961, 14833, 20497, 23073, \text{ or } 23793 \pmod{34608}$ except $n = 721, 3297, 8961, 14833$
84	104	$n \equiv 1, 897, 6657, 11649, 19201, 24193, 29953, \text{ or } 30849 \pmod{34944}$ except $n = 897, 6657, 11649$
84	105	$n \equiv 1, 11025, 18081, 18865, 20385, 25921, 27441, \text{ or } 28225 \pmod{35280}$ except $n = 11025$

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Table 83: Superspectra for  $p = 84$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	106	$n \equiv 1, 4929, 5089, 10017, 16801, 21889, 23745, \text{ or } 28833 \pmod{35616}$ except $n = 4929, 5089, 10017, 16801$
84	107	$n \equiv 1, 3745, 11985, 15729, 19153, 20545, 31137, \text{ or } 32529 \pmod{35952}$ except $n = 3745, 11985, 15729$
84	108	$n \equiv 1, 3969, 14337, \text{ or } 25921 \pmod{36288}$ except $n = 3969, 14337$
84	109	$n \equiv 1, 2289, 4033, 10465, 14497, 24417, 28449, \text{ or } 34881 \pmod{36624}$ except $n = 2289, 4033, 10465, 14497$
84	110	$n \equiv 1, 385, 5985, 6721, 12321, 12705, 14785, 15841, 19041,$ $21505, 22561, 27105, 28161, 30625, 33825, \text{ or } 34881 \pmod{36960}$ except $n = 385, 5985, 6721, 12321, 12705, 14785, 15841$
84	111	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 31969, \text{ or } 36001 \pmod{37296}$ except $n = 2961, 4033, 6993, 8289, 12321$
84	112	$n \equiv 1, 22785, 25089, \text{ or } 35329 \pmod{37632}$
84	113	$n \equiv 1, 5425, 12657, 12769, 18081, 18193, 25425, \text{ or } 30849 \pmod{37968}$ except $n = 5425, 12657, 12769, 18081, 18193$
84	114	$n \equiv 1, 1729, 4257, 5985, 18145, 21889, 22401, \text{ or } 26145 \pmod{38304}$ except $n = 1729, 4257, 5985, 18145$
84	115	$n \equiv 1, 8625, 10305, 10465, 12145, 13041, 14721, 21505, 23185,$ $24081, 25761, 25921, 27601, 36225, 36961, \text{ or } 37905 \pmod{38640}$ except $n = 8625, 10305, 10465, 12145, 13041, 14721$
84	116	$n \equiv 1, 7105, 8961, 11137, 12993, 20097, 24129, \text{ or } 34945 \pmod{38976}$ except $n = 7105, 8961, 11137, 12993$
84	117	$n \equiv 1, 1729, 5265, 16849, 20385, 22113, 24193, \text{ or } 37233 \pmod{39312}$ except $n = 1729, 5265, 16849$
84	118	$n \equiv 1, 8673, 14337, 20769, 21889, 26433, 27553, \text{ or } 33985 \pmod{39648}$ except $n = 8673, 14337$
84	119	$n \equiv 1, 6273, 13329, 14161, 21217, 27489, 32929, \text{ or } 34545 \pmod{39984}$ except $n = 6273, 13329, 14161$

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Table 83: Superspectra for  $p = 84$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
84	120	$n \equiv 1, 5761, 8065, 13825, 22401, 28161, 30465, \text{ or } 36225 \pmod{40320}$ except $n = 5761, 8065, 13825$
84	121	$n \equiv 1, 3025, 9681, 12705, 23233, 26257, 27105, \text{ or } 30129 \pmod{40656}$ except $n = 3025, 9681, 12705$
84	122	$n \equiv 1, 1281, 1953, 12993, 13665, 28609, 29281, \text{ or } 40321 \pmod{40992}$ except $n = 1281, 1953, 12993, 13665$
84	123	$n \equiv 1, 6273, 11809, 18081, 18369, 29233, 30177, \text{ or } 41041 \pmod{41328}$ except $n = 6273, 11809, 18081, 18369$
84	124	$n \equiv 1, 3969, 4929, 17857, 18817, 22785, 27777, \text{ or } 36673 \pmod{41664}$ except $n = 3969, 4929, 17857, 18817$
84	125	$n \equiv 1, 2625, 8001, 8625, 14001, 30625, 36001, \text{ or } 36625 \pmod{42000}$ except $n = 2625, 8001, 8625, 14001$
84	126	$n \equiv 1, 3969, 20385, \text{ or } 25921 \pmod{42336}$ except $n = 3969, 20385$
84	127	$n \equiv 1, 1905, 6097, 8001, 16129, 22225, 28449, \text{ or } 34545 \pmod{42672}$ except $n = 1905, 6097, 8001, 16129$
84	128	$n \equiv 1, 14337, 24577, \text{ or } 38913 \pmod{43008}$ except $n = 14337$

Table 84: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 85$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	2	$n \equiv 1, 425, 545, \text{ or } 561 \pmod{680}$
85	3	$n \equiv 1, 85, 205, 561, 681, 765, 885, \text{ or } 901 \pmod{1020}$ except $n = 85, 205$
85	4	$n \equiv 1, 545, 561, \text{ or } 1105 \pmod{1360}$ except $n = 545, 561$
85	5	$n \equiv 1, 425, 901, \text{ or } 1225 \pmod{1700}$ except $n = 425$
85	6	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$

*continued on next page*

Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	7	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, \text{ or } 2261 \pmod{2380}$ except $n = 85, 561$
85	8	$n \equiv 1, 545, 1921, \text{ or } 2465 \pmod{2720}$ except $n = 545$
85	9	$n \equiv 1, 765, 901, 1225, 1701, 2125, 2601, \text{ or } 2925 \pmod{3060}$ except $n = 765, 901, 1225$
85	10	$n \equiv 1, 425, 1225, \text{ or } 2601 \pmod{3400}$ except $n = 425, 1225$
85	11	$n \equiv 1, 221, 341, 561, 2245, 2465, 2585, \text{ or } 2805 \pmod{3740}$ except $n = 221, 341, 561$
85	12	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
85	13	$n \equiv 1, 221, 885, 1105, 2041, 2601, 2925, \text{ or } 3485 \pmod{4420}$ except $n = 221, 885, 1105, 2041$
85	14	$n \equiv 1, 561, 1225, 1785, 1905, 2465, 4081, \text{ or } 4641 \pmod{4760}$ except $n = 561, 1225, 1785, 1905$
85	15	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{5100}$ except $n = 901, 1225, 1701, 2125$
85	16	$n \equiv 1, 1921, 3265, \text{ or } 5185 \pmod{5440}$ except $n = 1921$
85	17	$n \equiv 1, 1445, 2601, \text{ or } 4625 \pmod{5780}$ except $n = 1445, 2601$
85	18	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$
85	19	$n \equiv 1, 1445, 2261, 2585, 3401, 4845, 5321, \text{ or } 5985 \pmod{6460}$ except $n = 1445, 2261, 2585$
85	20	$n \equiv 1, 3825, 4625, \text{ or } 6001 \pmod{6800}$
85	21	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, 2941, 4081,$ $4165, 4285, 4641, 4761, 4845, 5985, \text{ or } 7021 \pmod{7140}$ except $n = 85, 561, 1225, 1701, 1785, 1905, 2941$
85	22	$n \equiv 1, 561, 2465, 2585, 3961, 4081, 5985, \text{ or } 6545 \pmod{7480}$ except $n = 561, 2465, 2585$

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Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	23	$n \equiv 1, 1105, 1565, 4301, 4761, 5865, 6325, \text{ or } 7361 \pmod{7820}$ except $n = 1105, 1565$
85	24	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
85	25	$n \equiv 1, 2125, 4625, \text{ or } 6001 \pmod{8500}$ except $n = 2125$
85	26	$n \equiv 1, 1105, 2041, 2601, 4641, 5305, 7345, \text{ or } 7905 \pmod{8840}$ except $n = 1105, 2041, 2601$
85	27	$n \equiv 1, 1701, 5185, 6885, 7021, 7345, 8721, \text{ or } 9045 \pmod{9180}$ except $n = 1701$
85	28	$n \equiv 1, 561, 1905, 2465, 4081, 4641, 5985, \text{ or } 6545 \pmod{9520}$ except $n = 561, 1905, 2465, 4081, 4641$
85	29	$n \equiv 1, 2465, 3741, 3945, 4641, 7685, 8381, \text{ or } 8585 \pmod{9860}$ except $n = 2465, 3741, 3945, 4641$
85	30	$n \equiv 1, 1225, 2601, 3825, 6001, 6801, 7225, \text{ or } 8025 \pmod{10200}$ except $n = 1225, 2601, 3825$
85	31	$n \equiv 1, 341, 1241, 1581, 6325, 6665, 7565, \text{ or } 7905 \pmod{10540}$ except $n = 341, 1241, 1581$
85	32	$n \equiv 1, 1921, 8705, \text{ or } 10625 \pmod{10880}$ except $n = 1921$
85	33	$n \equiv 1, 561, 2245, 2805, 3741, 3961, 4081, 5985, 6205,$ $6325, 7701, 7821, 8041, 9945, 10065, \text{ or } 10285 \pmod{11220}$ except $n = 561, 2245, 2805, 3741, 3961, 4081$
85	34	$n \equiv 1, 2601, 4625, \text{ or } 7225 \pmod{11560}$ except $n = 2601, 4625$
85	35	$n \equiv 1, 1225, 1701, 7225, 7701, 8925, 9401, \text{ or } 11425 \pmod{11900}$ except $n = 1225, 1701$
85	36	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
85	37	$n \equiv 1, 3145, 4625, 5661, 7141, 8585, 10065, \text{ or } 11101 \pmod{12580}$ except $n = 3145, 4625, 5661$

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Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	38	$n \equiv 1, 2585, 3401, 5321, 5985, 7905, 8721, \text{ or } 11305 \pmod{12920}$ except $n = 2585, 3401, 5321, 5985$
85	39	$n \equiv 1, 885, 1105, 2041, 2601, 2925, 4641, 5305, 7021,$ $7345, 7905, 8841, 9061, 9945, 10881, \text{ or } 12325 \pmod{13260}$ except $n = 885, 1105, 2041, 2601, 2925, 4641, 5305$
85	40	$n \equiv 1, 10625, 11425, \text{ or } 12801 \pmod{13600}$
85	41	$n \equiv 1, 205, 3281, 3485, 5781, 8365, 9061, \text{ or } 11645 \pmod{13940}$ except $n = 205, 3281, 3485, 5781$
85	42	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
85	43	$n \equiv 1, 2925, 3741, 4301, 6665, 7225, 8041, \text{ or } 10965 \pmod{14620}$ except $n = 2925, 3741, 4301, 6665, 7225$
85	44	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 10065, \text{ or } 11441 \pmod{14960}$ except $n = 561, 2465, 4081, 5985, 6545$
85	45	$n \equiv 1, 901, 1225, 1701, 2125, 2601, 2925, \text{ or } 3825 \pmod{15300}$ except $n = 901, 1225, 1701, 2125, 2601, 2925, 3825$
85	46	$n \equiv 1, 1105, 4761, 5865, 7361, 9385, 12121, \text{ or } 14145 \pmod{15640}$ except $n = 1105, 4761, 5865, 7361$
85	47	$n \equiv 1, 2585, 5781, 6205, 9401, 11985, 12785, \text{ or } 15181 \pmod{15980}$ except $n = 2585, 5781, 6205$
85	48	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
85	49	$n \equiv 1, 1225, 2941, 4165, 6665, 9605, 11221, \text{ or } 14161 \pmod{16660}$ except $n = 1225, 2941, 4165, 6665$
85	50	$n \equiv 1, 4625, 6001, \text{ or } 10625 \pmod{17000}$ except $n = 4625, 6001$
85	51	$n \equiv 1, 2601, 5781, 7225, 10405, 13005, 14161, \text{ or } 16185 \pmod{17340}$ except $n = 2601, 5781, 7225$

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Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	52	$n \equiv 1, 1105, 4641, 7345, 7905, 10881, 11441, \text{ or } 14145 \pmod{17680}$ except $n = 1105, 4641, 7345, 7905$
85	53	$n \equiv 1, 425, 901, 3605, 4081, 4505, 7685, \text{ or } 14841 \pmod{18020}$ except $n = 425, 901, 3605, 4081, 4505, 7685$
85	54	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 16201, \text{ or } 18225 \pmod{18360}$ except $n = 5185, 7345, 8721$
85	55	$n \equiv 1, 4301, 6325, 7701, 9725, 14025, 15301, \text{ or } 17425 \pmod{18700}$ except $n = 4301, 6325, 7701$
85	56	$n \equiv 1, 2465, 4641, 5985, 10081, 11425, 13601, \text{ or } 16065 \pmod{19040}$ except $n = 2465, 4641, 5985$
85	57	$n \equiv 1, 4845, 5985, 7905, 8721, 9045, 9861, 11305, 11781,$ $12445, 12921, 14365, 15181, 15505, 16321, \text{ or } 18241 \pmod{19380}$ except $n = 4845, 5985, 7905, 8721, 9045$
85	58	$n \equiv 1, 2465, 3945, 4641, 8585, 13601, 17545, \text{ or } 18241 \pmod{19720}$ except $n = 2465, 3945, 4641, 8585$
85	59	$n \equiv 1, 885, 2125, 7021, 8025, 12921, 14161, \text{ or } 15045 \pmod{20060}$ except $n = 885, 2125, 7021, 8025$
85	60	$n \equiv 1, 3825, 6001, 6801, 11425, 12801, 17425, \text{ or } 18225 \pmod{20400}$ except $n = 3825, 6001, 6801$
85	61	$n \equiv 1, 5185, 7565, 10065, 12445, 13481, 15861, \text{ or } 18361 \pmod{20740}$ except $n = 5185, 7565, 10065$
85	62	$n \equiv 1, 1241, 6665, 7905, 10881, 12121, 16865, \text{ or } 18105 \pmod{21080}$ except $n = 1241, 6665, 7905$
85	63	$n \equiv 1, 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081,$ $11305, 11781, 14365, 14841, 16065, 18361, \text{ or } 19125 \pmod{21420}$ except $n = 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081$
85	64	$n \equiv 1, 8705, 12801, \text{ or } 21505 \pmod{21760}$ except $n = 8705$
85	65	$n \equiv 1, 2601, 2925, 5525, 9725, 12325, 15301, \text{ or } 17901 \pmod{22100}$ except $n = 2601, 2925, 5525, 9725$

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Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	66	$n \equiv 1, 561, 3961, 4081, 5985, 8041, 9945, 10065, 13465,$ $14025, 14961, 17425, 17545, 18921, 19041, \text{ or } 21505 \pmod{22440}$ except $n = 561, 3961, 4081, 5985, 8041, 9945, 10065$
85	67	$n \equiv 1, 3485, 8041, 9045, 13601, 17085, 18225, \text{ or } 21641 \pmod{22780}$ except $n = 3485, 8041, 9045$
85	68	$n \equiv 1, 4625, 14161, \text{ or } 18785 \pmod{23120}$ except $n = 4625$
85	69	$n \equiv 1, 1105, 4761, 5865, 6325, 7821, 8925, 9385, 12121,$ $14145, 15181, 17205, 19941, 20401, 21505, \text{ or } 23001 \pmod{23460}$ except $n = 1105, 4761, 5865, 6325, 7821, 8925, 9385$
85	70	$n \equiv 1, 1225, 7225, 9401, 11425, 13601, 19601, \text{ or } 20825 \pmod{23800}$ except $n = 1225, 7225, 9401, 11425$
85	71	$n \equiv 1, 3621, 6461, 11645, 14485, 18105, 20945, \text{ or } 21301 \pmod{24140}$ except $n = 3621, 6461, 11645$
85	72	$n \equiv 1, 5185, 5985, 10081, 10881, 16065, 19585, \text{ or } 20961 \pmod{24480}$ except $n = 5185, 5985, 10081, 10881$
85	73	$n \equiv 1, 1241, 4965, 6205, 12921, 13141, 17885, \text{ or } 18105 \pmod{24820}$ except $n = 1241, 4965, 6205$
85	74	$n \equiv 1, 3145, 4625, 8585, 10065, 18241, 19721, \text{ or } 23681 \pmod{25160}$ except $n = 3145, 4625, 8585, 10065$
85	75	$n \equiv 1, 2125, 6001, 13125, 17001, 19125, 21625, \text{ or } 23001 \pmod{25500}$ except $n = 2125, 6001$
85	76	$n \equiv 1, 5985, 7905, 8721, 15505, 16321, 18241, \text{ or } 24225 \pmod{25840}$ except $n = 5985, 7905, 8721$
85	77	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 7701, 11221, 11781,$ $13685, 13805, 18921, 19041, 20945, 21505, \text{ or } 25025 \pmod{26180}$ except $n = 561, 2465, 4081, 5985, 6545, 7701, 11221, 11781$
85	78	$n \equiv 1, 1105, 2041, 2601, 4641, 5305, 7345, 7905, 8841,$ $9945, 10881, 14145, 16185, 20281, 22321, \text{ or } 25585 \pmod{26520}$ except $n = 1105, 2041, 2601, 4641, 5305,$ $7345, 7905, 8841, 9945, 10881$

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Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	79	$n \equiv 1, 1581, 7821, 9401, 10745, 12325, 18565, \text{ or } 20145 \pmod{26860}$ except $n = 1581, 7821, 9401, 10745, 12325$
85	80	$n \equiv 1, 10625, 12801, \text{ or } 25025 \pmod{27200}$ except $n = 10625, 12801$
85	81	$n \equiv 1, 1701, 5185, 6885, 16201, 16525, 17901, \text{ or } 18225 \pmod{27540}$ except $n = 1701, 5185, 6885$
85	82	$n \equiv 1, 3281, 14145, 17425, 19721, 22305, 23001, \text{ or } 25585 \pmod{27880}$ except $n = 3281$
85	83	$n \equiv 1, 4981, 5645, 10541, 10625, 15521, 16185, \text{ or } 21165 \pmod{28220}$ except $n = 4981, 5645, 10541, 10625$
85	84	$n \equiv 1, 561, 1905, 4081, 4641, 5985, 10081, 11425, 11985,$ $14161, 15505, 16065, 19041, 21505, 23121, \text{ or } 25585 \pmod{28560}$ except $n = 561, 1905, 4081, 4641, 5985,$ $10081, 11425, 11985, 14161$
85	85	$n \equiv 1, 2601, 4625, \text{ or } 7225 \pmod{28900}$ except $n = 2601, 4625, 7225$
85	86	$n \equiv 1, 6665, 7225, 8041, 17545, 18361, 18921, \text{ or } 25585 \pmod{29240}$ except $n = 6665, 7225, 8041$
85	87	$n \equiv 1, 3741, 3945, 4641, 9861, 12325, 17545, 18241, 18445,$ $22185, 23461, 23665, 24361, 27405, 28101, \text{ or } 28305 \pmod{29580}$ except $n = 3741, 3945, 4641, 9861, 12325$
85	88	$n \equiv 1, 2465, 5985, 15521, 19041, 21505, 25025, \text{ or } 26401 \pmod{29920}$ except $n = 2465, 5985$
85	89	$n \equiv 1, 7565, 12105, 12461, 13261, 24565, 25365, \text{ or } 25721 \pmod{30260}$ except $n = 7565, 12105, 12461, 13261$
85	90	$n \equiv 1, 1225, 2601, 3825, 16201, 17001, 17425, \text{ or } 18225 \pmod{30600}$ except $n = 1225, 2601, 3825$
85	91	$n \equiv 1, 4641, 6461, 7021, 8841, 14365, 16185, 16745, 18565,$ $23205, 25025, 25585, 26741, 27405, 28561, \text{ or } 29121 \pmod{30940}$ except $n = 4641, 6461, 7021, 8841, 14365$
85	92	$n \equiv 1, 1105, 7361, 14145, 20401, 21505, 25025, \text{ or } 27761 \pmod{31280}$ except $n = 1105, 7361, 14145$

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Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	93	$n \equiv 1, 1581, 6325, 7905, 10881, 11781, 12121, 17205, 18105,$ $18445, 21081, 21421, 22321, 27405, 27745, \text{ or } 28645 \pmod{31620}$ except $n = 1581, 6325, 7905, 10881, 11781, 12121$
85	94	$n \equiv 1, 2585, 9401, 11985, 12785, 21761, 22185, \text{ or } 31161 \pmod{31960}$ except $n = 2585, 9401, 11985, 12785$
85	95	$n \equiv 1, 3401, 20825, 24225, 24701, 28101, 28425, \text{ or } 31825 \pmod{32300}$ except $n = 3401$
85	96	$n \equiv 1, 1921, 10881, 12801, 19585, 21505, 30465, \text{ or } 32385 \pmod{32640}$ except $n = 1921, 10881, 12801$
85	97	$n \equiv 1, 8245, 8925, 14841, 15521, 25705, 26385, \text{ or } 32301 \pmod{32980}$ except $n = 8245, 8925, 14841, 15521$
85	98	$n \equiv 1, 1225, 6665, 14161, 19601, 20825, 26265, \text{ or } 27881 \pmod{33320}$ except $n = 1225, 6665, 14161$
85	99	$n \equiv 1, 3961, 5985, 7821, 9945, 11781, 13465, 15301, 17425,$ $19261, 21285, 25245, 26181, 28765, 30141, \text{ or } 32725 \pmod{33660}$ except $n = 3961, 5985, 7821, 9945, 11781, 13465, 15301$
85	100	$n \equiv 1, 4625, 6001, \text{ or } 10625 \pmod{34000}$ except $n = 4625, 6001, 10625$
85	101	$n \equiv 1, 8585, 10201, 12121, 20605, 22321, 30805, \text{ or } 32725 \pmod{34340}$ except $n = 8585, 10201, 12121$
85	102	$n \equiv 1, 2601, 7225, 14161, 16185, 23121, 27745, \text{ or } 30345 \pmod{34680}$ except $n = 2601, 7225, 14161, 16185$
85	103	$n \equiv 1, 3605, 7005, 19261, 22661, 26265, 29665, \text{ or } 31621 \pmod{35020}$ except $n = 3605, 7005$
85	104	$n \equiv 1, 4641, 7905, 10881, 14145, 18785, 25025, \text{ or } 29121 \pmod{35360}$ except $n = 4641, 7905, 10881, 14145$
85	105	$n \equiv 1, 1225, 1701, 7225, 7701, 8925, 11425, 11901, 13125,$ $19125, 21301, 23325, 25501, 31501, 32725, \text{ or } 33201 \pmod{35700}$ except $n = 1225, 1701, 7225, 7701, 8925, 11425, 11901, 13125$
85	106	$n \equiv 1, 425, 4081, 4505, 14841, 18921, 21625, \text{ or } 25705 \pmod{36040}$ except $n = 425, 4081, 4505, 14841$

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Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	107	$n \equiv 1, 8025, 11985, 15301, 19261, 27285, 29105, \text{ or } 34561 \pmod{36380}$ except $n = 8025, 11985, 15301$
85	108	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 18225, \text{ or } 34561 \pmod{36720}$ except $n = 5185, 7345, 8721, 10881, 16065, 18225$
85	109	$n \equiv 1, 545, 8721, 9265, 14825, 22781, 23545, \text{ or } 31501 \pmod{37060}$ except $n = 545, 8721, 9265, 14825$
85	110	$n \equiv 1, 14025, 17425, 23001, 25025, 26401, 28425, \text{ or } 34001 \pmod{37400}$ except $n = 14025, 17425$
85	111	$n \equiv 1, 3145, 5661, 7141, 10065, 11101, 17205, 18241, 21165,$ $22645, 25161, 28305, 29785, 32301, 33745, \text{ or } 36261 \pmod{37740}$ except $n = 3145, 5661, 7141, 10065, 11101, 17205, 18241$
85	112	$n \equiv 1, 16065, 21505, 23681, 25025, 29121, 30465, \text{ or } 32641 \pmod{38080}$ except $n = 16065$
85	113	$n \equiv 1, 1921, 2261, 7345, 7685, 9605, 9945, \text{ or } 38081 \pmod{38420}$ except $n = 1921, 2261, 7345, 7685, 9605, 9945$
85	114	$n \equiv 1, 5985, 7905, 8721, 11305, 12921, 15505, 16321, 18241,$ $24225, 28425, 29241, 31161, 31825, 33745, \text{ or } 34561 \pmod{38760}$ except $n = 5985, 7905, 8721, 11305, 12921, 15505, 16321, 18241$
85	115	$n \equiv 1, 4301, 6325, 8925, 20401, 23001, 25025, \text{ or } 29325 \pmod{39100}$ except $n = 4301, 6325, 8925$
85	116	$n \equiv 1, 2465, 4641, 13601, 18241, 23665, 28305, \text{ or } 37265 \pmod{39440}$ except $n = 2465, 4641, 13601, 18241$
85	117	$n \equiv 1, 2601, 2925, 7021, 7345, 9945, 10881, 14365, 15301,$ $17901, 22321, 27405, 31825, 34425, 35361, \text{ or } 38845 \pmod{39780}$ except $n = 2601, 2925, 7021, 7345, 9945,$ $10881, 14365, 15301, 17901$
85	118	$n \equiv 1, 8025, 12921, 14161, 20945, 22185, 27081, \text{ or } 35105 \pmod{40120}$ except $n = 8025, 12921, 14161$
85	119	$n \equiv 1, 7225, 14161, 16185, 23121, 30345, 31501, \text{ or } 39305 \pmod{40460}$ except $n = 7225, 14161, 16185$

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Table 84: Superspectra for  $p = 85$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
85	120	$n \equiv 1, 11425, 12801, 24225, 26401, 27201, 37825, \text{ or } 38625 \pmod{40800}$ except $n = 11425, 12801$
85	121	$n \equiv 1, 10285, 17425, 17545, 24685, 26741, 33881, \text{ or } 34001 \pmod{41140}$ except $n = 10285, 17425, 17545$
85	122	$n \equiv 1, 5185, 10065, 13481, 18361, 28305, 33185, \text{ or } 36601 \pmod{41480}$ except $n = 5185, 10065, 13481, 18361$
85	123	$n \equiv 1, 205, 5781, 8365, 9061, 13941, 14145, 17221, 17425,$ $22305, 23001, 25585, 31161, 31365, 33661, \text{ or } 39525 \pmod{41820}$ except $n = 205, 5781, 8365, 9061, 13941, 14145, 17221, 17425$
85	124	$n \equiv 1, 7905, 10881, 16865, 22321, 27745, 33201, \text{ or } 39185 \pmod{42160}$ except $n = 7905, 10881, 16865$
85	125	$n \equiv 1, 10625, 13125, \text{ or } 40001 \pmod{42500}$ except $n = 10625, 13125$
85	126	$n \equiv 1, 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361,$ $23121, 25705, 28441, 30465, 33201, 35785, \text{ or } 40545 \pmod{42840}$ except $n = 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361$
85	127	$n \equiv 1, 1905, 10541, 21845, 30481, 32385, 34545, \text{ or } 41021 \pmod{43180}$ except $n = 1905, 10541$
85	128	$n \equiv 1, 8705, 12801, \text{ or } 21505 \pmod{43520}$ except $n = 8705, 12801, 21505$

Table 85: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 86$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
86	2	$n \equiv 1 \text{ or } 129 \pmod{688}$ except $n = 129$
86	3	$n \equiv 1, 129, 345, \text{ or } 817 \pmod{1032}$ except $n = 129, 345$
86	4	$n \equiv 1 \text{ or } 129 \pmod{1376}$ except $n = 129$
86	5	$n \equiv 1, 345, 1161, \text{ or } 1505 \pmod{1720}$ except $n = 345$
86	6	$n \equiv 1, 129, 817, \text{ or } 1377 \pmod{2064}$ except $n = 129, 817$

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Table 85: Superspectra for  $p = 86$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
86	7	$n \equiv 1, 1505, 1849, \text{ or } 2065 \pmod{2408}$
86	8	$n \equiv 1 \text{ or } 129 \pmod{2752}$ except $n = 129$
86	9	$n \equiv 1, 1161, 1377, \text{ or } 2881 \pmod{3096}$ except $n = 1161, 1377$
86	10	$n \equiv 1, 1505, 2065, \text{ or } 2881 \pmod{3440}$ except $n = 1505$
86	11	$n \equiv 1, 473, 1849, \text{ or } 2409 \pmod{3784}$ except $n = 473, 1849$
86	12	$n \equiv 1, 129, 1377, \text{ or } 2881 \pmod{4128}$ except $n = 129, 1377$
86	13	$n \equiv 1, 689, 3225, \text{ or } 3913 \pmod{4472}$ except $n = 689$
86	14	$n \equiv 1, 1505, 2065, \text{ or } 4257 \pmod{4816}$ except $n = 1505, 2065$
86	15	$n \equiv 1, 345, 1161, 2065, 2881, 3225, 3441, \text{ or } 4945 \pmod{5160}$ except $n = 345, 1161, 2065$
86	16	$n \equiv 1 \text{ or } 129 \pmod{5504}$ except $n = 129$
86	17	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{5848}$ except $n = 817, 1377, 2193$
86	18	$n \equiv 1, 1377, 2881, \text{ or } 4257 \pmod{6192}$ except $n = 1377, 2881$
86	19	$n \equiv 1, 817, 3097, \text{ or } 4257 \pmod{6536}$ except $n = 817, 3097$
86	20	$n \equiv 1, 1505, 2881, \text{ or } 5505 \pmod{6880}$ except $n = 1505, 2881$
86	21	$n \equiv 1, 1849, 2065, 2409, 3913, 4257, 4473, \text{ or } 6321 \pmod{7224}$ except $n = 1849, 2065, 2409$
86	22	$n \equiv 1, 4257, 5633, \text{ or } 6193 \pmod{7568}$
86	23	$n \equiv 1, 345, 4601, \text{ or } 4945 \pmod{7912}$ except $n = 345$
86	24	$n \equiv 1, 129, 2881, \text{ or } 5505 \pmod{8256}$ except $n = 129, 2881$
86	25	$n \equiv 1, 3225, 4601, \text{ or } 7225 \pmod{8600}$ except $n = 3225$
86	26	$n \equiv 1, 689, 7697, \text{ or } 8385 \pmod{8944}$ except $n = 689$
86	27	$n \equiv 1, 1161, 1377, \text{ or } 9073 \pmod{9288}$ except $n = 1161, 1377$
86	28	$n \equiv 1, 1505, 4257, \text{ or } 6881 \pmod{9632}$ except $n = 1505, 4257$
86	29	$n \equiv 1, 1161, 7569, \text{ or } 8729 \pmod{9976}$ except $n = 1161$

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Table 85: Superspectra for  $p = 86$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
86	30	$n \equiv 1, 2065, 2881, 3441, 4945, 5505, 6321, \text{ or } 8385 \pmod{10320}$ except $n = 2065, 2881, 3441, 4945$
86	31	$n \equiv 1, 3225, 3441, \text{ or } 6665 \pmod{10664}$ except $n = 3225, 3441$
86	32	$n \equiv 1 \text{ or } 5633 \pmod{11008}$
86	33	$n \equiv 1, 1849, 2409, 4257, 6193, 7569, 8041, \text{ or } 9417 \pmod{11352}$ except $n = 1849, 2409, 4257$
86	34	$n \equiv 1, 817, 1377, \text{ or } 2193 \pmod{11696}$ except $n = 817, 1377, 2193$
86	35	$n \equiv 1, 1505, 2065, 6321, 6665, 6881, 7225, \text{ or } 11481 \pmod{12040}$ except $n = 1505, 2065$
86	36	$n \equiv 1, 1377, 2881, \text{ or } 4257 \pmod{12384}$ except $n = 1377, 2881, 4257$
86	37	$n \equiv 1, 3441, 7697, \text{ or } 11137 \pmod{12728}$ except $n = 3441$
86	38	$n \equiv 1, 817, 4257, \text{ or } 9633 \pmod{13072}$ except $n = 817, 4257$
86	39	$n \equiv 1, 3225, 3913, 4473, 5161, 8385, 9633, \text{ or } 12169 \pmod{13416}$ except $n = 3225, 3913, 4473, 5161$
86	40	$n \equiv 1, 2881, 5505, \text{ or } 8385 \pmod{13760}$ except $n = 2881, 5505$
86	41	$n \equiv 1, 5289, 7913, \text{ or } 11481 \pmod{14104}$ except $n = 5289$
86	42	$n \equiv 1, 2065, 4257, 6321, 9073, 9633, 11137, \text{ or } 11697 \pmod{14448}$ except $n = 2065, 4257, 6321$
86	43	$n \equiv 1 \text{ or } 1849 \pmod{14792}$ except $n = 1849$
86	44	$n \equiv 1, 4257, 5633, \text{ or } 13761 \pmod{15136}$ except $n = 4257, 5633$
86	45	$n \equiv 1, 1161, 2881, 10665, 12385, 13545, 13761, \text{ or } 15265 \pmod{15480}$ except $n = 1161, 2881$
86	46	$n \equiv 1, 4945, 8257, \text{ or } 12513 \pmod{15824}$ except $n = 4945$
86	47	$n \equiv 1, 1505, 8601, \text{ or } 10105 \pmod{16168}$ except $n = 1505$
86	48	$n \equiv 1, 129, 5505, \text{ or } 11137 \pmod{16512}$ except $n = 129, 5505$
86	49	$n \equiv 1, 6321, 6665, \text{ or } 16513 \pmod{16856}$ except $n = 6321, 6665$
86	50	$n \equiv 1, 11825, 13201, \text{ or } 15825 \pmod{17200}$

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Table 85: Superspectra for  $p = 86$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
86	51	$n \equiv 1, 817, 1377, 2193, 7225, 8041, 11697, \text{ or } 12513 \pmod{17544}$ except $n = 817, 1377, 2193, 7225, 8041$
86	52	$n \equiv 1, 8385, 9633, \text{ or } 16641 \pmod{17888}$ except $n = 8385$
86	53	$n \equiv 1, 689, 15265, \text{ or } 15953 \pmod{18232}$ except $n = 689$
86	54	$n \equiv 1, 1377, 9073, \text{ or } 10449 \pmod{18576}$ except $n = 1377, 9073$
86	55	$n \equiv 1, 3785, 8041, 11825, 13201, 13761, 16985, \text{ or } 17545 \pmod{18920}$ except $n = 3785, 8041$
86	56	$n \equiv 1, 11137, 13889, \text{ or } 16513 \pmod{19264}$
86	57	$n \equiv 1, 817, 3097, 4257, 6537, 7353, 9633, \text{ or } 17329 \pmod{19608}$ except $n = 817, 3097, 4257, 6537, 7353, 9633$
86	58	$n \equiv 1, 7569, 11137, \text{ or } 18705 \pmod{19952}$ except $n = 7569$
86	59	$n \equiv 1, 473, 2065, \text{ or } 2537 \pmod{20296}$ except $n = 473, 2065, 2537$
86	60	$n \equiv 1, 2881, 5505, 8385, 12385, 13761, 15265, \text{ or } 16641 \pmod{20640}$ except $n = 2881, 5505, 8385$
86	61	$n \equiv 1, 8601, 9761, \text{ or } 18361 \pmod{20984}$ except $n = 8601, 9761$
86	62	$n \equiv 1, 3441, 13889, \text{ or } 17329 \pmod{21328}$ except $n = 3441$
86	63	$n \equiv 1, 4257, 4473, 9073, 9289, 13545, 16857, \text{ or } 18361 \pmod{21672}$ except $n = 4257, 4473, 9073, 9289$
86	64	$n \equiv 1 \text{ or } 5633 \pmod{22016}$ except $n = 5633$
86	65	$n \equiv 1, 3225, 5161, 8385, 8945, 14105, 16641, \text{ or } 21801 \pmod{22360}$ except $n = 3225, 5161, 8385, 8945$
86	66	$n \equiv 1, 4257, 6193, 7569, 13201, 13761, 19393, \text{ or } 20769 \pmod{22704}$ except $n = 4257, 6193, 7569$
86	67	$n \equiv 1, 2881, 8041, \text{ or } 17889 \pmod{23048}$ except $n = 2881, 8041$
86	68	$n \equiv 1, 1377, 12513, \text{ or } 13889 \pmod{23392}$ except $n = 1377$
86	69	$n \equiv 1, 345, 4945, 8257, 12513, 15825, 20425, \text{ or } 20769 \pmod{23736}$ except $n = 345, 4945, 8257$

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Table 85: Superspectra for  $p = 86$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
86	70	$n \equiv 1, 1505, 2065, 6321, 6881, 18705, 19265, \text{ or } 23521 \pmod{24080}$ except $n = 1505, 2065, 6321, 6881$
86	71	$n \equiv 1, 4473, 10793, \text{ or } 15265 \pmod{24424}$ except $n = 4473, 10793$
86	72	$n \equiv 1, 2881, 13761, \text{ or } 16641 \pmod{24768}$ except $n = 2881$
86	73	$n \equiv 1, 2409, 7009, \text{ or } 9417 \pmod{25112}$ except $n = 2409, 7009, 9417$
86	74	$n \equiv 1, 3441, 7697, \text{ or } 11137 \pmod{25456}$ except $n = 3441, 7697, 11137$
86	75	$n \equiv 1, 3225, 7225, 8601, 13201, 15825, 20425, \text{ or } 21801 \pmod{25800}$ except $n = 3225, 7225, 8601$
86	76	$n \equiv 1, 4257, 9633, \text{ or } 13889 \pmod{26144}$ except $n = 4257, 9633$
86	77	$n \equiv 1, 1849, 2409, 4257, 18921, 20769, 21329, \text{ or } 23177 \pmod{26488}$ except $n = 1849, 2409, 4257$
86	78	$n \equiv 1, 8385, 9633, 16641, 17329, 17889, 18577, \text{ or } 25585 \pmod{26832}$ except $n = 8385, 9633$
86	79	$n \equiv 1, 6321, 10665, \text{ or } 16985 \pmod{27176}$ except $n = 6321, 10665$
86	80	$n \equiv 1, 5505, 16641, \text{ or } 22145 \pmod{27520}$ except $n = 5505$
86	81	$n \equiv 1, 1377, 9073, \text{ or } 10449 \pmod{27864}$ except $n = 1377, 9073, 10449$
86	82	$n \equiv 1, 19393, 22017, \text{ or } 25585 \pmod{28208}$
86	83	$n \equiv 1, 3569, 5977, \text{ or } 26145 \pmod{28552}$ except $n = 3569, 5977$
86	84	$n \equiv 1, 4257, 9633, 11137, 16513, 20769, 23521, \text{ or } 26145 \pmod{28896}$ except $n = 4257, 9633, 11137$
86	85	$n \equiv 1, 6665, 7225, 8041, 17545, 18361, 18921, \text{ or } 25585 \pmod{29240}$ except $n = 6665, 7225, 8041$
86	86	$n \equiv 1 \text{ or } 16641 \pmod{29584}$
86	87	$n \equiv 1, 1161, 7569, 11137, 17545, 18705, 19953, \text{ or } 28681 \pmod{29928}$ except $n = 1161, 7569, 11137$
86	88	$n \equiv 1, 5633, 13761, \text{ or } 19393 \pmod{30272}$ except $n = 5633, 13761$
86	89	$n \equiv 1, 11481, 17889, \text{ or } 24209 \pmod{30616}$ except $n = 11481$

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Table 85: Superspectra for  $p = 86$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
86	90	$n \equiv 1, 2881, 12385, 13761, 15265, 16641, 26145, \text{ or } 29025 \pmod{30960}$ except $n = 2881, 12385, 13761, 15265$
86	91	$n \equiv 1, 3913, 4473, 9633, 14105, 21113, 25585, \text{ or } 30745 \pmod{31304}$ except $n = 3913, 4473, 9633, 14105$
86	92	$n \equiv 1, 8257, 12513, \text{ or } 20769 \pmod{31648}$ except $n = 8257, 12513$
86	93	$n \equiv 1, 3225, 3441, 10665, 17329, 24553, 24769, \text{ or } 27993 \pmod{31992}$ except $n = 3225, 3441, 10665$
86	94	$n \equiv 1, 1505, 24769, \text{ or } 26273 \pmod{32336}$ except $n = 1505$
86	95	$n \equiv 1, 20425, 22705, 23865, 26145, 26961, 29241, \text{ or } 30401 \pmod{32680}$
86	96	$n \equiv 1, 16641, 22017, \text{ or } 27649 \pmod{33024}$
86	97	$n \equiv 1, 12513, 16297, \text{ or } 29585 \pmod{33368}$ except $n = 12513, 16297$
86	98	$n \equiv 1, 6321, 16513, \text{ or } 23521 \pmod{33712}$ except $n = 6321, 16513$
86	99	$n \equiv 1, 4257, 6193, 7569, 13761, 24553, 30745, \text{ or } 32121 \pmod{34056}$ except $n = 4257, 6193, 7569, 13761$
86	100	$n \equiv 1, 29025, 30401, \text{ or } 33025 \pmod{34400}$
86	101	$n \equiv 1, 11009, 19393, \text{ or } 30401 \pmod{34744}$ except $n = 11009$
86	102	$n \equiv 1, 817, 1377, 2193, 11697, 12513, 24769, \text{ or } 25585 \pmod{35088}$ except $n = 817, 1377, 2193, 11697, 12513$
86	103	$n \equiv 1, 4945, 17201, \text{ or } 22145 \pmod{35432}$ except $n = 4945, 17201$
86	104	$n \equiv 1, 8385, 16641, \text{ or } 27521 \pmod{35776}$ except $n = 8385, 16641$
86	105	$n \equiv 1, 2065, 6321, 7225, 11481, 13545, 18361, 18705, 18921,$ $23521, 24081, 25585, 26145, 30745, 30961, \text{ or } 31305 \pmod{36120}$ except $n = 2065, 6321, 7225, 11481, 13545$
86	106	$n \equiv 1, 689, 15265, \text{ or } 15953 \pmod{36464}$ except $n = 689, 15265, 15953$
86	107	$n \equiv 1, 4601, 9417, \text{ or } 31993 \pmod{36808}$ except $n = 4601, 9417$
86	108	$n \equiv 1, 1377, 27649, \text{ or } 29025 \pmod{37152}$ except $n = 1377$
86	109	$n \equiv 1, 11009, 21801, \text{ or } 32809 \pmod{37496}$ except $n = 11009$

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Table 85: Superspectra for  $p = 86$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
86	110	$n \equiv 1, 11825, 13201, 13761, 22705, 26961, 35905, \text{ or } 36465 \pmod{37840}$ except $n = 11825, 13201, 13761$
86	111	$n \equiv 1, 3441, 11137, 12729, 20425, 23865, 28897, \text{ or } 33153 \pmod{38184}$ except $n = 3441, 11137, 12729$
86	112	$n \equiv 1, 11137, 16513, \text{ or } 33153 \pmod{38528}$ except $n = 11137, 16513$
86	113	$n \equiv 1, 14577, 15481, \text{ or } 37969 \pmod{38872}$ except $n = 14577, 15481$
86	114	$n \equiv 1, 817, 4257, 9633, 17329, 22705, 26145, \text{ or } 26961 \pmod{39216}$ except $n = 817, 4257, 9633, 17329$
86	115	$n \equiv 1, 345, 4601, 4945, 15825, 20425, 24081, \text{ or } 28681 \pmod{39560}$ except $n = 345, 4601, 4945, 15825$
86	116	$n \equiv 1, 11137, 27521, \text{ or } 38657 \pmod{39904}$ except $n = 11137$
86	117	$n \equiv 1, 4473, 12169, 16641, 18577, 23049, 30745, \text{ or } 35217 \pmod{40248}$ except $n = 4473, 12169, 16641, 18577$
86	118	$n \equiv 1, 2065, 20769, \text{ or } 22833 \pmod{40592}$ except $n = 2065$
86	119	$n \equiv 1, 6665, 7225, 11697, 13889, 18361, 18921, \text{ or } 25585 \pmod{40936}$ except $n = 6665, 7225, 11697, 13889, 18361, 18921$
86	120	$n \equiv 1, 2881, 5505, 8385, 13761, 16641, 33025, \text{ or } 35905 \pmod{41280}$ except $n = 2881, 5505, 8385, 13761, 16641$
86	121	$n \equiv 1, 15609, 17545, \text{ or } 39689 \pmod{41624}$ except $n = 15609, 17545$
86	122	$n \equiv 1, 9761, 29585, \text{ or } 39345 \pmod{41968}$ except $n = 9761$
86	123	$n \equiv 1, 5289, 11481, 19393, 22017, 25585, 28209, \text{ or } 36121 \pmod{42312}$ except $n = 5289, 11481, 19393$
86	124	$n \equiv 1, 13889, 24769, \text{ or } 38657 \pmod{42656}$ except $n = 13889$
86	125	$n \equiv 1, 37625, 39001, \text{ or } 41625 \pmod{43000}$
86	126	$n \equiv 1, 4257, 9073, 26145, 30961, 35217, 38529, \text{ or } 40033 \pmod{43344}$ except $n = 4257, 9073$
86	127	$n \equiv 1, 27305, 35433, \text{ or } 35561 \pmod{43688}$
86	128	$n \equiv 1 \text{ or } 27649 \pmod{44032}$

Table 86: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 87$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	2	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{696}$ except $n = 145$
87	3	$n \equiv 1, 117, 145, \text{ or } 261 \pmod{1044}$ except $n = 117, 145, 261$
87	4	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{1392}$ except $n = 145, 465, 609$
87	5	$n \equiv 1, 145, 261, 465, 841, 1045, 1161, \text{ or } 1305 \pmod{1740}$ except $n = 145, 261, 465, 841$
87	6	$n \equiv 1, 145, 1161, \text{ or } 1305 \pmod{2088}$ except $n = 145$
87	7	$n \equiv 1, 609, 813, 841, 1393, 1653, 2205, \text{ or } 2233 \pmod{2436}$ except $n = 609, 813, 841$
87	8	$n \equiv 1, 609, 1537, \text{ or } 1857 \pmod{2784}$ except $n = 609$
87	9	$n \equiv 1, 1161, 1189, \text{ or } 2349 \pmod{3132}$ except $n = 1161, 1189$
87	10	$n \equiv 1, 145, 465, 841, 1161, 1305, 2001, \text{ or } 2785 \pmod{3480}$ except $n = 145, 465, 841, 1161, 1305$
87	11	$n \equiv 1, 957, 1045, 1189, 2233, 2553, 3597, \text{ or } 3741 \pmod{3828}$ except $n = 957, 1045, 1189$
87	12	$n \equiv 1, 145, 3249, \text{ or } 3393 \pmod{4176}$ except $n = 145$
87	13	$n \equiv 1, 117, 261, 1509, 1885, 3133, 3277, \text{ or } 3393 \pmod{4524}$ except $n = 117, 261, 1509, 1885$
87	14	$n \equiv 1, 609, 841, 1393, 2233, 3249, 4089, \text{ or } 4641 \pmod{4872}$ except $n = 609, 841, 1393, 2233$
87	15	$n \equiv 1, 145, 261, 1045, 1161, 1305, 2205, \text{ or } 4321 \pmod{5220}$ except $n = 145, 261, 1045, 1161, 1305, 2205$
87	16	$n \equiv 1, 1537, 1857, \text{ or } 3393 \pmod{5568}$ except $n = 1537, 1857$
87	17	$n \equiv 1, 493, 697, 3741, 3945, 4437, 4641, \text{ or } 5713 \pmod{5916}$ except $n = 493, 697$
87	18	$n \equiv 1, 1161, 4321, \text{ or } 5481 \pmod{6264}$ except $n = 1161$

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Table 86: Superspectra for  $p = 87$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	19	$n \equiv 1, 609, 1045, 1653, 2205, 3249, 5017, \text{ or } 6061 \pmod{6612}$ except $n = 609, 1045, 1653, 2205, 3249$
87	20	$n \equiv 1, 145, 465, 2001, 2785, 4321, 4641, \text{ or } 4785 \pmod{6960}$ except $n = 145, 465, 2001, 2785$
87	21	$n \equiv 1, 2205, 2233, 3249, 3277, 5481, 6265, \text{ or } 6525 \pmod{7308}$ except $n = 2205, 2233, 3249, 3277$
87	22	$n \equiv 1, 2233, 2553, 4785, 4873, 5017, 7425, \text{ or } 7569 \pmod{7656}$ except $n = 2233, 2553$
87	23	$n \equiv 1, 2001, 2553, 4669, 4785, 5221, 5337, \text{ or } 7453 \pmod{8004}$ except $n = 2001, 2553$
87	24	$n \equiv 1, 3393, 4321, \text{ or } 7425 \pmod{8352}$ except $n = 3393$
87	25	$n \equiv 1, 2001, 2901, 3625, 4525, 6525, 7425, \text{ or } 7801 \pmod{8700}$ except $n = 2001, 2901, 3625$
87	26	$n \equiv 1, 3393, 4641, 4785, 6033, 6409, 7657, \text{ or } 7801 \pmod{9048}$ except $n = 3393$
87	27	$n \equiv 1, 2349, 4293, \text{ or } 7453 \pmod{9396}$ except $n = 2349, 4293$
87	28	$n \equiv 1, 609, 1393, 3249, 4641, 5713, 7105, \text{ or } 8961 \pmod{9744}$ except $n = 609, 1393, 3249, 4641$
87	29	$n \equiv 1, 841, 6729, \text{ or } 7569 \pmod{10092}$ except $n = 841$
87	30	$n \equiv 1, 145, 1161, 1305, 4321, 5481, 6265, \text{ or } 7425 \pmod{10440}$ except $n = 145, 1161, 1305, 4321$
87	31	$n \equiv 1, 465, 2233, 2697, 3597, 5829, 7657, \text{ or } 9889 \pmod{10788}$ except $n = 465, 2233, 2697, 3597$
87	32	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{11136}$ except $n = 1537$
87	33	$n \equiv 1, 1045, 1189, 2233, 6381, 7425, 7569, \text{ or } 8613 \pmod{11484}$ except $n = 1045, 1189, 2233$
87	34	$n \equiv 1, 697, 3945, 4641, 5713, 6409, 9657, \text{ or } 10353 \pmod{11832}$ except $n = 697, 3945, 4641, 5713$

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Table 86: Superspectra for  $p = 87$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	35	$n \equiv 1, 841, 2205, 3045, 4641, 5481, 5685, 6265, 6525,$ $7105, 8121, 8701, 8961, 9541, 9745, \text{ or } 10585 \pmod{12180}$ except $n = 841, 2205, 3045, 4641, 5481, 5685$
87	36	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{12528}$ except $n = 4321$
87	37	$n \equiv 1, 2553, 4293, 5365, 7105, 9657, 11137, \text{ or } 11397 \pmod{12876}$ except $n = 2553, 4293, 5365$
87	38	$n \equiv 1, 609, 3249, 5017, 7657, 8265, 8817, \text{ or } 12673 \pmod{13224}$ except $n = 609, 3249, 5017$
87	39	$n \equiv 1, 117, 261, 3133, 3277, 3393, 6409, \text{ or } 10557 \pmod{13572}$ except $n = 117, 261, 3133, 3277, 3393, 6409$
87	40	$n \equiv 1, 2785, 4321, 4641, 7105, 7425, 8961, \text{ or } 11745 \pmod{13920}$ except $n = 2785, 4321, 4641$
87	41	$n \equiv 1, 493, 697, 1189, 9513, 10005, 10209, \text{ or } 10701 \pmod{14268}$ except $n = 493, 697, 1189$
87	42	$n \equiv 1, 2233, 3249, 5481, 6265, 9513, 10585, \text{ or } 13833 \pmod{14616}$ except $n = 2233, 3249, 5481, 6265$
87	43	$n \equiv 1, 1161, 2581, 3741, 4989, 7569, 11137, \text{ or } 13717 \pmod{14964}$ except $n = 1161, 2581, 3741, 4989$
87	44	$n \equiv 1, 4785, 7425, 7569, 9889, 10209, 12529, \text{ or } 12673 \pmod{15312}$ except $n = 4785, 7425, 7569$
87	45	$n \equiv 1, 1161, 4321, 5481, 6265, 7425, 10585, \text{ or } 11745 \pmod{15660}$ except $n = 1161, 4321, 5481, 6265, 7425$
87	46	$n \equiv 1, 2001, 2553, 4785, 5337, 12673, 13225, \text{ or } 15457 \pmod{16008}$ except $n = 2001, 2553, 4785, 5337$
87	47	$n \equiv 1, 4089, 5829, 9165, 9541, 10905, 11281, \text{ or } 14617 \pmod{16356}$ except $n = 4089, 5829$
87	48	$n \equiv 1, 3393, 7425, \text{ or } 12673 \pmod{16704}$ except $n = 3393, 7425$
87	49	$n \equiv 1, 2205, 5685, 7105, 10585, 12789, 13573, \text{ or } 16269 \pmod{17052}$ except $n = 2205, 5685, 7105$

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Table 86: Superspectra for  $p = 87$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	50	$n \equiv 1, 2001, 3625, 7425, 7801, 11601, 13225, \text{ or } 15225 \pmod{17400}$ except $n = 2001, 3625, 7425, 7801$
87	51	$n \equiv 1, 4437, 6409, 9657, 10557, 11629, 12529, \text{ or } 15777 \pmod{17748}$ except $n = 4437, 6409$
87	52	$n \equiv 1, 3393, 4641, 4785, 6033, 15457, 16705, \text{ or } 16849 \pmod{18096}$ except $n = 3393, 4641, 4785, 6033$
87	53	$n \equiv 1, 1537, 3393, 4293, 9541, 10441, 12297, \text{ or } 13833 \pmod{18444}$ except $n = 1537, 3393, 4293$
87	54	$n \equiv 1, 11745, 13689, \text{ or } 16849 \pmod{18792}$
87	55	$n \equiv 1, 1045, 3741, 4785, 6061, 6381, 7425, 8701, 8845,$ $11485, 12441, 15081, 15225, 16501, 17545, \text{ or } 17865 \pmod{19140}$ except $n = 1045, 3741, 4785, 6061, 6381, 7425, 8701, 8845$
87	56	$n \equiv 1, 609, 4641, 7105, 8961, 11137, 12993, \text{ or } 15457 \pmod{19488}$ except $n = 609, 4641, 7105, 8961$
87	57	$n \equiv 1, 1045, 2205, 3249, 11629, 12673, 13833, \text{ or } 14877 \pmod{19836}$ except $n = 1045, 2205, 3249$
87	58	$n \equiv 1, 841, 6729, \text{ or } 7569 \pmod{20184}$ except $n = 841, 6729, 7569$
87	59	$n \equiv 1, 1653, 3481, 5133, 8497, 11977, 13689, \text{ or } 17169 \pmod{20532}$ except $n = 1653, 3481, 5133, 8497$
87	60	$n \equiv 1, 145, 4321, 7425, 11601, 11745, 15921, \text{ or } 16705 \pmod{20880}$ except $n = 145, 4321, 7425$
87	61	$n \equiv 1, 2929, 5917, 7077, 8845, 10005, 12993, \text{ or } 15921 \pmod{21228}$ except $n = 2929, 5917, 7077, 8845, 10005$
87	62	$n \equiv 1, 465, 2233, 2697, 7657, 9889, 14385, \text{ or } 16617 \pmod{21576}$ except $n = 465, 2233, 2697, 7657, 9889$
87	63	$n \equiv 1, 5481, 6265, 10557, 10585, 16821, 16849, \text{ or } 21141 \pmod{21924}$ except $n = 5481, 6265, 10557, 10585$
87	64	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{22272}$ except $n = 1537, 7425, 8961$

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Table 86: Superspectra for  $p = 87$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	65	$n \equiv 1, 261, 1885, 4525, 4641, 4785, 7801, 9165, 12181,$ 12325, 12441, 15081, 16705, 16965, 19605, or 19981 (mod 22620) except $n = 261, 1885, 4525, 4641, 4785, 7801, 9165$
87	66	$n \equiv 1, 2233, 7425, 7569, 12529, 12673, 17865,$ or 20097 (mod 22968) except $n = 2233, 7425, 7569$
87	67	$n \equiv 1, 5829, 7773, 8845, 12529, 16617, 20301,$ or 21373 (mod 23316) except $n = 5829, 7773, 8845$
87	68	$n \equiv 1, 4641, 5713, 10353, 12529, 15777, 18241,$ or 21489 (mod 23664) except $n = 4641, 5713, 10353$
87	69	$n \equiv 1, 5221, 5337, 7453, 10557, 12673, 12789,$ or 18009 (mod 24012) except $n = 5221, 5337, 7453, 10557$
87	70	$n \equiv 1, 841, 4641, 5481, 6265, 7105, 8121, 8961, 9745,$ 10585, 14385, 15225, 17865, 18705, 20881, or 21721 (mod 24360) except $n = 841, 4641, 5481, 6265, 7105,$ 8121, 8961, 9745, 10585
87	71	$n \equiv 1, 6177, 9657, 12993, 14413, 16473, 17893,$ or 21229 (mod 24708) except $n = 6177, 9657$
87	72	$n \equiv 1, 4321, 7425,$ or 11745 (mod 25056)    except $n = 4321, 7425, 11745$
87	73	$n \equiv 1, 4089, 8469, 10585, 14965, 19053, 21025,$ or 23433 (mod 25404) except $n = 4089, 8469, 10585$
87	74	$n \equiv 1, 2553, 7105, 9657, 11137, 17169, 18241,$ or 24273 (mod 25752) except $n = 2553, 7105, 9657, 11137$
87	75	$n \equiv 1, 6525, 7425, 10701, 11601, 21025, 21925,$ or 25201 (mod 26100) except $n = 6525, 7425, 10701, 11601$
87	76	$n \equiv 1, 609, 3249, 8817, 12673, 18241, 20881,$ or 21489 (mod 26448) except $n = 609, 3249, 8817, 12673$
87	77	$n \equiv 1, 2233, 3829, 4873, 8701, 11397, 15225, 16269, 17865,$ 20097, 20329, 21693, 22737, 24157, 25201, or 26565 (mod 26796) except $n = 2233, 3829, 4873, 8701, 11397$

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Table 86: Superspectra for  $p = 87$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	78	$n \equiv 1, 3393, 6409, 13689, 13833, 16705, 16849, \text{ or } 24129 \pmod{27144}$ except $n = 3393, 6409$
87	79	$n \equiv 1, 6873, 9165, 12325, 12877, 21489, 22041, \text{ or } 25201 \pmod{27492}$ except $n = 6873, 9165, 12325, 12877$
87	80	$n \equiv 1, 7105, 7425, 8961, 16705, 18241, 18561, \text{ or } 25665 \pmod{27840}$ except $n = 7105, 7425, 8961$
87	81	$n \equiv 1, 21141, 23085, \text{ or } 26245 \pmod{28188}$
87	82	$n \equiv 1, 697, 9513, 10209, 14761, 15457, 24273, \text{ or } 24969 \pmod{28536}$ except $n = 697, 9513, 10209$
87	83	$n \equiv 1, 7221, 10209, 16269, 16849, 19257, 19837, \text{ or } 25897 \pmod{28884}$ except $n = 7221, 10209$
87	84	$n \equiv 1, 3249, 16849, 20097, 20881, 24129, 25201, \text{ or } 28449 \pmod{29232}$ except $n = 3249$
87	85	$n \equiv 1, 3741, 3945, 4641, 9861, 12325, 17545, 18241, 18445,$ $22185, 23461, 23665, 24361, 27405, 28101, \text{ or } 28305 \pmod{29580}$ except $n = 3741, 3945, 4641, 9861, 12325$
87	86	$n \equiv 1, 1161, 7569, 11137, 17545, 18705, 19953, \text{ or } 28681 \pmod{29928}$ except $n = 1161, 7569, 11137$
87	87	$n \equiv 1, 7569, 16821, \text{ or } 21025 \pmod{30276}$ except $n = 7569$
87	88	$n \equiv 1, 7425, 9889, 10209, 12673, 20097, 22881, \text{ or } 27841 \pmod{30624}$ except $n = 7425, 9889, 10209, 12673$
87	89	$n \equiv 1, 2581, 6409, 16821, 20649, 23229, 27057, \text{ or } 27145 \pmod{30972}$ except $n = 2581, 6409$
87	90	$n \equiv 1, 1161, 4321, 5481, 6265, 7425, 10585, \text{ or } 11745 \pmod{31320}$ except $n = 1161, 4321, 5481, 6265, 7425, 10585, 11745$
87	91	$n \equiv 1, 3277, 4641, 7917, 10557, 12181, 13573, 13833, 15457,$ $16849, 22737, 24129, 25753, 26013, 27405, \text{ or } 29029 \pmod{31668}$ except $n = 3277, 4641, 7917, 10557, 12181, 13573, 13833, 15457$

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Table 86: Superspectra for  $p = 87$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	92	$n \equiv 1, 2001, 4785, 12673, 15457, 18561, 21345, \text{ or } 29233 \pmod{32016}$ except $n = 2001, 4785, 12673, 15457$
87	93	$n \equiv 1, 2233, 22041, 24273, 25173, 27405, 29233, \text{ or } 31465 \pmod{32364}$ except $n = 2233$
87	94	$n \equiv 1, 4089, 10905, 11281, 14617, 22185, 25521, \text{ or } 25897 \pmod{32712}$ except $n = 4089, 10905, 11281, 14617$
87	95	$n \equiv 1, 1045, 2205, 6061, 7221, 8265, 9861, 13225, 18241,$ $19285, 20445, 20881, 22041, 23085, 28101, \text{ or } 31465 \pmod{33060}$ except $n = 1045, 2205, 6061, 7221, 8265, 9861, 13225$
87	96	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{33408}$ except $n = 7425, 12673$
87	97	$n \equiv 1, 5917, 8149, 11253, 14065, 17169, 19401, \text{ or } 25317 \pmod{33756}$ except $n = 5917, 8149, 11253, 14065$
87	98	$n \equiv 1, 7105, 10585, 19257, 22737, 29841, 30625, \text{ or } 33321 \pmod{34104}$ except $n = 7105, 10585$
87	99	$n \equiv 1, 1189, 7425, 8613, 12529, 13717, 29349, \text{ or } 30537 \pmod{34452}$ except $n = 1189, 7425, 8613, 12529, 13717$
87	100	$n \equiv 1, 2001, 7425, 11601, 21025, 25201, 30625, \text{ or } 32625 \pmod{34800}$ except $n = 2001, 7425, 11601$
87	101	$n \equiv 1, 2929, 6061, 20301, 23433, 26361, 29493, \text{ or } 32017 \pmod{35148}$ except $n = 2929, 6061$
87	102	$n \equiv 1, 6409, 9657, 12529, 15777, 22185, 28305, \text{ or } 29377 \pmod{35496}$ except $n = 6409, 9657, 12529, 15777$
87	103	$n \equiv 1, 8961, 9889, 11949, 21837, 22969, 32857, \text{ or } 34917 \pmod{35844}$ except $n = 8961, 9889, 11949$
87	104	$n \equiv 1, 3393, 4641, 15457, 16705, 22881, 24129, \text{ or } 34945 \pmod{36192}$ except $n = 3393, 4641, 15457, 16705$
87	105	$n \equiv 1, 2205, 5481, 6265, 6525, 9541, 10585, 16821, 17865,$ $20881, 21141, 21925, 25201, 27405, 31465, \text{ or } 32481 \pmod{36540}$ except $n = 2205, 5481, 6265, 6525, 9541, 10585, 16821, 17865$

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Table 86: Superspectra for  $p = 87$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	106	$n \equiv 1, 1537, 3393, 10441, 12297, 13833, 22737, \text{ or } 27985 \pmod{36888}$ except $n = 1537, 3393, 10441, 12297, 13833$
87	107	$n \equiv 1, 9309, 10701, 21721, 23113, 23433, 24825, \text{ or } 35845 \pmod{37236}$ except $n = 9309, 10701$
87	108	$n \equiv 1, 11745, 16849, \text{ or } 32481 \pmod{37584}$ except $n = 11745, 16849$
87	109	$n \equiv 1, 3597, 12645, 15805, 24853, 28449, 28885, \text{ or } 37497 \pmod{37932}$ except $n = 3597, 12645, 15805$
87	110	$n \equiv 1, 4785, 7425, 12441, 15081, 15225, 17545, 17865, 20185,$ $22881, 25201, 25521, 27841, 27985, 30625, \text{ or } 35641 \pmod{38280}$ except $n = 4785, 7425, 12441, 15081, 15225, 17545, 17865$
87	111	$n \equiv 1, 4293, 5365, 9657, 19981, 24013, 24273, \text{ or } 28305 \pmod{38628}$ except $n = 4293, 5365, 9657$
87	112	$n \equiv 1, 7105, 8961, 11137, 12993, 20097, 24129, \text{ or } 34945 \pmod{38976}$ except $n = 7105, 8961, 11137, 12993$
87	113	$n \equiv 1, 3277, 8701, 20793, 26217, 29493, 33901, \text{ or } 34917 \pmod{39324}$ except $n = 3277, 8701$
87	114	$n \equiv 1, 3249, 12673, 13833, 20881, 22041, 31465, \text{ or } 34713 \pmod{39672}$ except $n = 3249, 12673, 13833$
87	115	$n \equiv 1, 2001, 4785, 5221, 8005, 10005, 13225, 13341, 18561,$ $21345, 23461, 26565, 28681, 31465, 36685, \text{ or } 36801 \pmod{40020}$ except $n = 2001, 4785, 5221, 8005, 10005, 13225, 13341, 18561$
87	116	$n \equiv 1, 7569, 21025, \text{ or } 26913 \pmod{40368}$ except $n = 7569$
87	117	$n \equiv 1, 3133, 10557, 13689, 16849, 19981, 27405, \text{ or } 30537 \pmod{40716}$ except $n = 3133, 10557, 13689, 16849, 19981$
87	118	$n \equiv 1, 3481, 8497, 11977, 13689, 17169, 22185, \text{ or } 25665 \pmod{41064}$ except $n = 3481, 8497, 11977, 13689, 17169$
87	119	$n \equiv 1, 4641, 5713, 10353, 10557, 16269, 18445, 21693, 24157,$ $24361, 27405, 27609, 30073, 33321, 35497, \text{ or } 41209 \pmod{41412}$ except $n = 4641, 5713, 10353, 10557, 16269, 18445$

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Table 86: Superspectra for  $p = 87$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
87	120	$n \equiv 1, 4321, 7425, 11745, 16705, 21025, 32481, \text{ or } 36801 \pmod{41760}$ except $n = 4321, 7425, 11745, 16705$
87	121	$n \equiv 1, 11253, 14037, 17545, 20329, 31581, 34365, \text{ or } 39325 \pmod{42108}$ except $n = 11253, 14037, 17545, 20329$
87	122	$n \equiv 1, 2929, 12993, 15921, 27145, 28305, 30073, \text{ or } 31233 \pmod{42456}$ except $n = 2929, 12993, 15921$
87	123	$n \equiv 1, 1189, 9513, 10701, 14761, 24273, 29233, \text{ or } 38745 \pmod{42804}$ except $n = 1189, 9513, 10701, 14761$
87	124	$n \equiv 1, 465, 9889, 14385, 23809, 24273, 29233, \text{ or } 38193 \pmod{43152}$ except $n = 465, 9889, 14385$
87	125	$n \equiv 1, 2001, 3625, 16125, 16501, 29001, 30625, \text{ or } 32625 \pmod{43500}$ except $n = 2001, 3625, 16125, 16501$
87	126	$n \equiv 1, 5481, 6265, 10585, 16849, 32481, 38745, \text{ or } 43065 \pmod{43848}$ except $n = 5481, 6265, 10585, 16849$
87	127	$n \equiv 1, 11049, 13717, 14733, 26797, 28449, 40513, \text{ or } 41529 \pmod{44196}$ except $n = 11049, 13717, 14733$
87	128	$n \equiv 1, 1537, 29697, \text{ or } 31233 \pmod{44544}$ except $n = 1537$

Table 87: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 88$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
88	2	$n \equiv 1 \text{ or } 385 \pmod{704}$
88	3	$n \equiv 1, 33, 385, \text{ or } 705 \pmod{1056}$ except $n = 33, 385$
88	4	$n \equiv 1 \text{ or } 385 \pmod{1408}$ except $n = 385$
88	5	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
88	6	$n \equiv 1, 385, 705, \text{ or } 1089 \pmod{2112}$ except $n = 385, 705$
88	7	$n \equiv 1, 385, 1057, \text{ or } 1793 \pmod{2464}$ except $n = 385, 1057$

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Table 87: Superspectra for  $p = 88$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
88	8	$n \equiv 1$ or $1793 \pmod{2816}$
88	9	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$
88	10	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
88	11	$n \equiv 1$ or $1089 \pmod{3872}$ except $n = 1089$
88	12	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
88	13	$n \equiv 1, 2145, 2497, \text{ or } 4225 \pmod{4576}$ except $n = 2145$
88	14	$n \equiv 1, 385, 1793, \text{ or } 3521 \pmod{4928}$ except $n = 385, 1793$
88	15	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
88	16	$n \equiv 1$ or $4609 \pmod{5632}$
88	17	$n \equiv 1, 1089, 2465, \text{ or } 3553 \pmod{5984}$ except $n = 1089, 2465$
88	18	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
88	19	$n \equiv 1, 3553, 4257, \text{ or } 5985 \pmod{6688}$
88	20	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
88	21	$n \equiv 1, 385, 1057, 4257, 4929, 5313, 5985, \text{ or } 6721 \pmod{7392}$ except $n = 385, 1057$
88	22	$n \equiv 1$ or $1089 \pmod{7744}$ except $n = 1089$
88	23	$n \equiv 1, 737, 4577, \text{ or } 5313 \pmod{8096}$ except $n = 737$
88	24	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
88	25	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
88	26	$n \equiv 1, 2497, 4225, \text{ or } 6721 \pmod{9152}$ except $n = 2497, 4225$
88	27	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
88	28	$n \equiv 1, 385, 1793, \text{ or } 8449 \pmod{9856}$ except $n = 385, 1793$
88	29	$n \equiv 1, 2465, 7425, \text{ or } 9889 \pmod{10208}$ except $n = 2465$
88	30	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$

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Table 87: Superspectra for  $p = 88$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
88	31	$n \equiv 1, 4929, 4961, \text{ or } 9889 \pmod{10912}$ except $n = 4929, 4961$
88	32	$n \equiv 1 \text{ or } 10241 \pmod{11264}$
88	33	$n \equiv 1, 1089, 3873, \text{ or } 8833 \pmod{11616}$ except $n = 1089, 3873$
88	34	$n \equiv 1, 1089, 8449, \text{ or } 9537 \pmod{11968}$ except $n = 1089$
88	35	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
88	36	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
88	37	$n \equiv 1, 2849, 3553, \text{ or } 12321 \pmod{13024}$ except $n = 2849, 3553$
88	38	$n \equiv 1, 10241, 10945, \text{ or } 12673 \pmod{13376}$
88	39	$n \equiv 1, 2145, 2497, 4225, 6721, 9153, 11649, \text{ or } 13377 \pmod{13728}$ except $n = 2145, 2497, 4225, 6721$
88	40	$n \equiv 1, 7425, 10241, \text{ or } 11265 \pmod{14080}$
88	41	$n \equiv 1, 4961, 9185, \text{ or } 10209 \pmod{14432}$ except $n = 4961$
88	42	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
88	43	$n \equiv 1, 4257, 5633, \text{ or } 13761 \pmod{15136}$ except $n = 4257, 5633$
88	44	$n \equiv 1 \text{ or } 8833 \pmod{15488}$
88	45	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
88	46	$n \equiv 1, 5313, 8833, \text{ or } 12673 \pmod{16192}$ except $n = 5313$
88	47	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{16544}$ except $n = 705, 6017, 6721$
88	48	$n \equiv 1, 4609, 11265, \text{ or } 15873 \pmod{16896}$ except $n = 4609$
88	49	$n \equiv 1, 10241, 13377, \text{ or } 14113 \pmod{17248}$
88	50	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{17600}$ except $n = 3201, 4225, 7425$
88	51	$n \equiv 1, 1089, 3553, 5985, 8449, 9537, 13057, \text{ or } 14433 \pmod{17952}$ except $n = 1089, 3553, 5985, 8449$
88	52	$n \equiv 1, 4225, 11649, \text{ or } 15873 \pmod{18304}$ except $n = 4225$

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Table 87: Superspectra for  $p = 88$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
88	53	$n \equiv 1, 4929, 8481, \text{ or } 13409 \pmod{18656}$ except $n = 4929, 8481$
88	54	$n \equiv 1, 7425, 9153, \text{ or } 17281 \pmod{19008}$ except $n = 7425, 9153$
88	55	$n \equiv 1, 4961, 7745, \text{ or } 12705 \pmod{19360}$ except $n = 4961, 7745$
88	56	$n \equiv 1, 1793, 8449, \text{ or } 10241 \pmod{19712}$ except $n = 1793, 8449$
88	57	$n \equiv 1, 3553, 4257, 5985, 10945, 12673, 13377, \text{ or } 16929 \pmod{20064}$ except $n = 3553, 4257, 5985$
88	58	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{20416}$ except $n = 7425$
88	59	$n \equiv 1, 5665, 10561, \text{ or } 16225 \pmod{20768}$ except $n = 5665$
88	60	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281 \pmod{21120}$ except $n = 385, 3201, 4225, 7041, 7425$
88	61	$n \equiv 1, 3905, 16897, \text{ or } 20801 \pmod{21472}$ except $n = 3905$
88	62	$n \equiv 1, 4929, 15873, \text{ or } 20801 \pmod{21824}$ except $n = 4929$
88	63	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
88	64	$n \equiv 1 \text{ or } 10241 \pmod{22528}$ except $n = 10241$
88	65	$n \equiv 1, 2145, 4225, 6721, 8801, 16225, 18305, \text{ or } 20801 \pmod{22880}$ except $n = 2145, 4225, 6721, 8801$
88	66	$n \equiv 1, 1089, 8833, \text{ or } 15489 \pmod{23232}$ except $n = 1089, 8833$
88	67	$n \equiv 1, 737, 2145, \text{ or } 22177 \pmod{23584}$ except $n = 737, 2145$
88	68	$n \equiv 1, 8449, 13057, \text{ or } 21505 \pmod{23936}$ except $n = 8449$
88	69	$n \equiv 1, 5313, 8097, 8833, 12673, 16929, 20769, \text{ or } 21505 \pmod{24288}$ except $n = 5313, 8097, 8833$
88	70	$n \equiv 1, 385, 3521, 6721, 10241, 14785, 18305, \text{ or } 21505 \pmod{24640}$ except $n = 385, 3521, 6721, 10241$
88	71	$n \equiv 1, 3905, 8449, \text{ or } 20449 \pmod{24992}$ except $n = 3905, 8449$
88	72	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{25344}$ except $n = 2817, 4609, 7425$
88	73	$n \equiv 1, 8833, 15841, \text{ or } 18689 \pmod{25696}$ except $n = 8833$

*continued on next page*

Table 87: Superspectra for  $p = 88$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
88	74	$n \equiv 1, 15873, 16577, \text{ or } 25345 \pmod{26048}$
88	75	$n \equiv 1, 3201, 4225, 7425, 12001, 16225, 17601, \text{ or } 21825 \pmod{26400}$ except $n = 3201, 4225, 7425, 12001$
88	76	$n \equiv 1, 10241, 12673, \text{ or } 24321 \pmod{26752}$ except $n = 10241, 12673$
88	77	$n \equiv 1, 12705, 16577, \text{ or } 23233 \pmod{27104}$ except $n = 12705$
88	78	$n \equiv 1, 2497, 4225, 6721, 9153, 11649, 13377, \text{ or } 15873 \pmod{27456}$ except $n = 2497, 4225, 6721, 9153, 11649, 13377$
88	79	$n \equiv 1, 11297, 15169, \text{ or } 23937 \pmod{27808}$ except $n = 11297$
88	80	$n \equiv 1, 10241, 11265, \text{ or } 21505 \pmod{28160}$ except $n = 10241, 11265$
88	81	$n \equiv 1, 7777, 9153, \text{ or } 16929 \pmod{28512}$ except $n = 7777, 9153$
88	82	$n \equiv 1, 19393, 23617, \text{ or } 24641 \pmod{28864}$
88	83	$n \equiv 1, 5313, 10209, \text{ or } 15521 \pmod{29216}$ except $n = 5313, 10209$
88	84	$n \equiv 1, 385, 8449, 11649, 19713, 20097, 21505, \text{ or } 28161 \pmod{29568}$ except $n = 385, 8449, 11649$
88	85	$n \equiv 1, 2465, 5985, 15521, 19041, 21505, 25025, \text{ or } 26401 \pmod{29920}$ except $n = 2465, 5985$
88	86	$n \equiv 1, 5633, 13761, \text{ or } 19393 \pmod{30272}$ except $n = 5633, 13761$
88	87	$n \equiv 1, 7425, 9889, 10209, 12673, 20097, 22881, \text{ or } 27841 \pmod{30624}$ except $n = 7425, 9889, 10209, 12673$
88	88	$n \equiv 1 \text{ or } 24321 \pmod{30976}$
88	89	$n \equiv 1, 2849, 23585, \text{ or } 26433 \pmod{31328}$ except $n = 2849$
88	90	$n \equiv 1, 7425, 10945, 13761, 17281, 21825, 25345, \text{ or } 28161 \pmod{31680}$ except $n = 7425, 10945, 13761$
88	91	$n \equiv 1, 6721, 11649, 13377, 18305, 25025, 27105, \text{ or } 29953 \pmod{32032}$ except $n = 6721, 11649, 13377$
88	92	$n \equiv 1, 8833, 12673, \text{ or } 21505 \pmod{32384}$ except $n = 8833, 12673$
88	93	$n \equiv 1, 4929, 9889, 15841, 15873, 21825, 26785, \text{ or } 31713 \pmod{32736}$ except $n = 4929, 9889, 15841, 15873$

*continued on next page*



Table 87: Superspectra for  $p = 88$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
88	94	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{33088}$ except $n = 705, 6017, 6721$
88	95	$n \equiv 1, 5985, 10241, 10945, 19361, 20065, 24321, \text{ or } 30305 \pmod{33440}$ except $n = 5985, 10241, 10945$
88	96	$n \equiv 1, 11265, 21505, \text{ or } 32769 \pmod{33792}$ except $n = 11265$
88	97	$n \equiv 1, 3201, 15521, \text{ or } 21825 \pmod{34144}$ except $n = 3201, 15521$
88	98	$n \equiv 1, 10241, 13377, \text{ or } 31361 \pmod{34496}$ except $n = 10241, 13377$
88	99	$n \equiv 1, 1089, 15489, \text{ or } 20449 \pmod{34848}$ except $n = 1089, 15489$
88	100	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{35200}$ except $n = 3201, 4225, 7425$
88	101	$n \equiv 1, 7777, 19393, \text{ or } 23937 \pmod{35552}$ except $n = 7777$
88	102	$n \equiv 1, 1089, 8449, 9537, 13057, 21505, 23937, \text{ or } 32385 \pmod{35904}$ except $n = 1089, 8449, 9537, 13057$
88	103	$n \equiv 1, 5665, 9889, \text{ or } 32033 \pmod{36256}$ except $n = 5665, 9889$
88	104	$n \equiv 1, 15873, 22529, \text{ or } 29953 \pmod{36608}$ except $n = 15873$
88	105	$n \equiv 1, 385, 5985, 6721, 12321, 12705, 14785, 15841, 19041,$ $21505, 22561, 27105, 28161, 30625, 33825, \text{ or } 34881 \pmod{36960}$ except $n = 385, 5985, 6721, 12321, 12705, 14785, 15841$
88	106	$n \equiv 1, 4929, 27137, \text{ or } 32065 \pmod{37312}$ except $n = 4929$
88	107	$n \equiv 1, 10593, 23969, \text{ or } 24289 \pmod{37664}$ except $n = 10593$
88	108	$n \equiv 1, 7425, 17281, \text{ or } 28161 \pmod{38016}$ except $n = 7425, 17281$
88	109	$n \equiv 1, 17985, 21473, \text{ or } 34881 \pmod{38368}$ except $n = 17985$
88	110	$n \equiv 1, 7745, 24321, \text{ or } 32065 \pmod{38720}$ except $n = 7745$
88	111	$n \equiv 1, 3553, 12321, 15873, 25345, 26049, 28897, \text{ or } 29601 \pmod{39072}$ except $n = 3553, 12321, 15873$
88	112	$n \equiv 1, 10241, 21505, \text{ or } 28161 \pmod{39424}$ except $n = 10241$
88	113	$n \equiv 1, 9153, 14465, \text{ or } 23617 \pmod{39776}$ except $n = 9153, 14465$
88	114	$n \equiv 1, 10945, 12673, 13377, 23617, 24321, 26049, \text{ or } 36993 \pmod{40128}$ except $n = 10945, 12673, 13377$

*continued on next page*

Table 87: Superspectra for  $p = 88$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
88	115	$n \equiv 1, 21505, 25025, 28865, 29601, 32385, 33121, \text{ or } 36961 \pmod{40480}$
88	116	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{40832}$ except $n = 7425, 12673, 20097$
88	117	$n \equiv 1, 9153, 20449, 29601, 29953, 31681, 39105, \text{ or } 40833 \pmod{41184}$ except $n = 9153, 20449$
88	118	$n \equiv 1, 10561, 26433, \text{ or } 36993 \pmod{41536}$ except $n = 10561$
88	119	$n \equiv 1, 2465, 5985, 8449, 19041, 21505, 25025, \text{ or } 27489 \pmod{41888}$ except $n = 2465, 5985, 8449, 19041$
88	120	$n \equiv 1, 7425, 11265, 21505, 24321, 25345, 28161, \text{ or } 38401 \pmod{42240}$ except $n = 7425, 11265$
88	121	$n \equiv 1 \text{ or } 35937 \pmod{42592}$
88	122	$n \equiv 1, 3905, 16897, \text{ or } 20801 \pmod{42944}$ except $n = 3905, 16897, 20801$
88	123	$n \equiv 1, 10209, 14433, 19393, 23617, 33825, 38049, \text{ or } 39073 \pmod{43296}$ except $n = 10209, 14433, 19393$
88	124	$n \equiv 1, 15873, 26753, \text{ or } 42625 \pmod{43648}$ except $n = 15873$
88	125	$n \equiv 1, 12001, 30625, \text{ or } 42625 \pmod{44000}$ except $n = 12001$
88	126	$n \equiv 1, 20097, 26433, 28161, 29953, 34497, 36289, \text{ or } 38017 \pmod{44352}$ except $n = 20097$
88	127	$n \equiv 1, 8129, 32385, \text{ or } 40513 \pmod{44704}$ except $n = 8129$
88	128	$n \equiv 1 \text{ or } 32769 \pmod{45056}$

Table 88: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 89$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
89	2	$n \equiv 1 \text{ or } 89 \pmod{712}$ except $n = 89$
89	3	$n \equiv 1, 357, 445, \text{ or } 801 \pmod{1068}$ except $n = 357, 445$
89	4	$n \equiv 1 \text{ or } 801 \pmod{1424}$

*continued on next page*

Table 88: Superspectra for  $p = 89$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
89	5	$n \equiv 1, 445, 801, \text{ or } 1425 \pmod{1780}$ except $n = 445, 801$
89	6	$n \equiv 1, 801, 1425, \text{ or } 1513 \pmod{2136}$ except $n = 801$
89	7	$n \equiv 1, 357, 1513, \text{ or } 1869 \pmod{2492}$ except $n = 357$
89	8	$n \equiv 1 \text{ or } 801 \pmod{2848}$ except $n = 801$
89	9	$n \equiv 1, 801, 1513, \text{ or } 2493 \pmod{3204}$ except $n = 801, 1513$
89	10	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{3560}$ except $n = 801, 1425$
89	11	$n \equiv 1, 89, 2849, \text{ or } 2937 \pmod{3916}$ except $n = 89$
89	12	$n \equiv 1, 801, 1425, \text{ or } 3649 \pmod{4272}$ except $n = 801, 1425$
89	13	$n \equiv 1, 1157, 1781, \text{ or } 4005 \pmod{4628}$ except $n = 1157, 1781$
89	14	$n \equiv 1, 1513, 2849, \text{ or } 4361 \pmod{4984}$ except $n = 1513$
89	15	$n \equiv 1, 445, 801, 1425, 2581, 3205, 3561, \text{ or } 4005 \pmod{5340}$ except $n = 445, 801, 1425, 2581$
89	16	$n \equiv 1 \text{ or } 3649 \pmod{5696}$
89	17	$n \equiv 1, 357, 1157, \text{ or } 1513 \pmod{6052}$ except $n = 357, 1157, 1513$
89	18	$n \equiv 1, 801, 1513, \text{ or } 5697 \pmod{6408}$ except $n = 801, 1513$
89	19	$n \equiv 1, 1425, 3649, \text{ or } 5073 \pmod{6764}$ except $n = 1425$
89	20	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{7120}$ except $n = 801, 1425, 2225$
89	21	$n \equiv 1, 357, 1513, 1869, 2493, 4005, 5341, \text{ or } 6853 \pmod{7476}$ except $n = 357, 1513, 1869, 2493$
89	22	$n \equiv 1, 89, 2849, \text{ or } 2937 \pmod{7832}$ except $n = 89, 2849, 2937$
89	23	$n \equiv 1, 713, 5429, \text{ or } 6141 \pmod{8188}$ except $n = 713$
89	24	$n \equiv 1, 801, 3649, \text{ or } 5697 \pmod{8544}$ except $n = 801, 3649$
89	25	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{8900}$ except $n = 801, 1425, 2225$
89	26	$n \equiv 1, 5785, 6409, \text{ or } 8633 \pmod{9256}$
89	27	$n \equiv 1, 1513, 5697, \text{ or } 7209 \pmod{9612}$ except $n = 1513$
89	28	$n \equiv 1, 2849, 6497, \text{ or } 9345 \pmod{9968}$ except $n = 2849$

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Table 88: Superspectra for  $p = 89$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
89	29	$n \equiv 1, 2581, 6409, \text{ or } 6497 \pmod{10324}$ except $n = 2581$
89	30	$n \equiv 1, 801, 1425, 3561, 5785, 7921, 8545, \text{ or } 9345 \pmod{10680}$ except $n = 801, 1425, 3561$
89	31	$n \equiv 1, 713, 7565, \text{ or } 8277 \pmod{11036}$ except $n = 713$
89	32	$n \equiv 1 \text{ or } 9345 \pmod{11392}$
89	33	$n \equiv 1, 2937, 4005, 6765, 6853, 7833, 7921, \text{ or } 10681 \pmod{11748}$ except $n = 2937, 4005$
89	34	$n \equiv 1, 1513, 6409, \text{ or } 7209 \pmod{12104}$ except $n = 1513$
89	35	$n \equiv 1, 4005, 4361, 4985, 5341, 9345, 10325, \text{ or } 11481 \pmod{12460}$ except $n = 4005, 4361, 4985, 5341$
89	36	$n \equiv 1, 801, 5697, \text{ or } 7921 \pmod{12816}$ except $n = 801, 5697$
89	37	$n \equiv 1, 445, 2849, \text{ or } 3293 \pmod{13172}$ except $n = 445, 2849, 3293$
89	38	$n \equiv 1, 1425, 3649, \text{ or } 5073 \pmod{13528}$ except $n = 1425, 3649, 5073$
89	39	$n \equiv 1, 4005, 4629, 5785, 6409, 10413, 11037, \text{ or } 13261 \pmod{13884}$ except $n = 4005, 4629, 5785, 6409$
89	40	$n \equiv 1, 801, 8545, \text{ or } 9345 \pmod{14240}$ except $n = 801$
89	41	$n \equiv 1, 3649, 6765, \text{ or } 11481 \pmod{14596}$ except $n = 3649, 6765$
89	42	$n \equiv 1, 1513, 7833, 9345, 9969, 11481, 12817, \text{ or } 14329 \pmod{14952}$ except $n = 1513$
89	43	$n \equiv 1, 2581, 8901, \text{ or } 11481 \pmod{15308}$ except $n = 2581$
89	44	$n \equiv 1, 2849, 7921, \text{ or } 10769 \pmod{15664}$ except $n = 2849$
89	45	$n \equiv 1, 801, 3205, 4005, 7921, 8901, 11125, \text{ or } 12105 \pmod{16020}$ except $n = 801, 3205, 4005, 7921$
89	46	$n \equiv 1, 713, 13617, \text{ or } 14329 \pmod{16376}$ except $n = 713$
89	47	$n \equiv 1, 12549, 14241, \text{ or } 15041 \pmod{16732}$
89	48	$n \equiv 1, 3649, 5697, \text{ or } 9345 \pmod{17088}$ except $n = 3649, 5697$
89	49	$n \equiv 1, 4361, 5341, \text{ or } 16465 \pmod{17444}$ except $n = 4361, 5341$

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Table 88: Superspectra for  $p = 89$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
89	50	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{17800}$ except $n = 801, 1425, 2225$
89	51	$n \equiv 1, 357, 1513, 6409, 7209, 12105, 13261, \text{ or } 13617 \pmod{18156}$ except $n = 357, 1513, 6409, 7209$
89	52	$n \equiv 1, 15041, 15665, \text{ or } 17889 \pmod{18512}$
89	53	$n \equiv 1, 4717, 7209, \text{ or } 16377 \pmod{18868}$ except $n = 4717, 7209$
89	54	$n \equiv 1, 1513, 5697, \text{ or } 7209 \pmod{19224}$ except $n = 1513, 5697, 7209$
89	55	$n \equiv 1, 4005, 6765, 7921, 10681, 14685, 15665, \text{ or } 18601 \pmod{19580}$ except $n = 4005, 6765, 7921$
89	56	$n \equiv 1, 2849, 6497, \text{ or } 9345 \pmod{19936}$ except $n = 2849, 6497, 9345$
89	57	$n \equiv 1, 1425, 3649, 5073, 6765, 10413, 14953, \text{ or } 18601 \pmod{20292}$ except $n = 1425, 3649, 5073, 6765$
89	58	$n \equiv 1, 6409, 6497, \text{ or } 12905 \pmod{20648}$ except $n = 6409, 6497$
89	59	$n \equiv 1, 5429, 10325, \text{ or } 15753 \pmod{21004}$ except $n = 5429, 10325$
89	60	$n \equiv 1, 801, 1425, 7921, 8545, 9345, 14241, \text{ or } 16465 \pmod{21360}$ except $n = 801, 1425, 7921, 8545, 9345$
89	61	$n \equiv 1, 5429, 7565, \text{ or } 19581 \pmod{21716}$ except $n = 5429, 7565$
89	62	$n \equiv 1, 713, 18601, \text{ or } 19313 \pmod{22072}$ except $n = 713$
89	63	$n \equiv 1, 1513, 2493, 4005, 12817, 14329, 15309, \text{ or } 16821 \pmod{22428}$ except $n = 1513, 2493, 4005$
89	64	$n \equiv 1 \text{ or } 20737 \pmod{22784}$
89	65	$n \equiv 1, 1781, 4005, 5785, 13261, 13885, 15041, \text{ or } 15665 \pmod{23140}$ except $n = 1781, 4005, 5785$
89	66	$n \equiv 1, 2937, 7833, 7921, 10681, 15753, 18513, \text{ or } 18601 \pmod{23496}$ except $n = 2937, 7833, 7921, 10681$
89	67	$n \equiv 1, 17889, 18157, \text{ or } 23585 \pmod{23852}$
89	68	$n \equiv 1, 13617, 18513, \text{ or } 19313 \pmod{24208}$
89	69	$n \equiv 1, 6141, 8901, 13617, 14329, 16377, 17089, \text{ or } 21805 \pmod{24564}$ except $n = 6141, 8901$

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Table 88: Superspectra for  $p = 89$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
89	70	$n \equiv 1, 4361, 4985, 9345, 11481, 16465, 17801, \text{ or } 22785 \pmod{24920}$ except $n = 4361, 4985, 9345, 11481$
89	71	$n \equiv 1, 18957, 19313, \text{ or } 24921 \pmod{25276}$
89	72	$n \equiv 1, 801, 5697, \text{ or } 20737 \pmod{25632}$ except $n = 801, 5697$
89	73	$n \equiv 1, 6497, 9345, \text{ or } 23141 \pmod{25988}$ except $n = 6497, 9345$
89	74	$n \equiv 1, 2849, 13617, \text{ or } 16465 \pmod{26344}$ except $n = 2849$
89	75	$n \equiv 1, 801, 1425, 8901, 11125, 18601, 19225, \text{ or } 20025 \pmod{26700}$ except $n = 801, 1425, 8901, 11125$
89	76	$n \equiv 1, 1425, 3649, \text{ or } 5073 \pmod{27056}$ except $n = 1425, 3649, 5073$
89	77	$n \equiv 1, 2849, 4005, 6853, 7833, 11837, 22429, \text{ or } 26433 \pmod{27412}$ except $n = 2849, 4005, 6853, 7833, 11837$
89	78	$n \equiv 1, 5785, 6409, 17889, 18513, 24297, 24921, \text{ or } 27145 \pmod{27768}$ except $n = 5785, 6409$
89	79	$n \equiv 1, 21093, 21805, \text{ or } 27413 \pmod{28124}$
89	80	$n \equiv 1, 9345, 15041, \text{ or } 22785 \pmod{28480}$ except $n = 9345$
89	81	$n \equiv 1, 7209, 15309, \text{ or } 20737 \pmod{28836}$ except $n = 7209$
89	82	$n \equiv 1, 3649, 11481, \text{ or } 21361 \pmod{29192}$ except $n = 3649, 11481$
89	83	$n \equiv 1, 8633, 13529, \text{ or } 22161 \pmod{29548}$ except $n = 8633, 13529$
89	84	$n \equiv 1, 9345, 9969, 12817, 16465, 22785, 26433, \text{ or } 29281 \pmod{29904}$ except $n = 9345, 9969, 12817$
89	85	$n \equiv 1, 7565, 12105, 12461, 13261, 24565, 25365, \text{ or } 25721 \pmod{30260}$ except $n = 7565, 12105, 12461, 13261$
89	86	$n \equiv 1, 11481, 17889, \text{ or } 24209 \pmod{30616}$ except $n = 11481$
89	87	$n \equiv 1, 2581, 6409, 16821, 20649, 23229, 27057, \text{ or } 27145 \pmod{30972}$ except $n = 2581, 6409$
89	88	$n \equiv 1, 2849, 23585, \text{ or } 26433 \pmod{31328}$ except $n = 2849$
89	89	$n \equiv 1 \text{ or } 7921 \pmod{31684}$ except $n = 7921$

*continued on next page*

Table 88: Superspectra for  $p = 89$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
89	90	$n \equiv 1, 801, 7921, 12105, 19225, 20025, 24921, \text{ or } 27145 \pmod{32040}$ except $n = 801, 7921, 12105$
89	91	$n \equiv 1, 4005, 20293, 24297, 24921, 27769, 28925, \text{ or } 31773 \pmod{32396}$ except $n = 4005$
89	92	$n \equiv 1, 13617, 17089, \text{ or } 30705 \pmod{32752}$ except $n = 13617$
89	93	$n \equiv 1, 8277, 11037, 11749, 18601, 22785, 29637, \text{ or } 30349 \pmod{33108}$ except $n = 8277, 11037, 11749$
89	94	$n \equiv 1, 14241, 15041, \text{ or } 29281 \pmod{33464}$ except $n = 14241, 15041$
89	95	$n \equiv 1, 1425, 6765, 18601, 23941, 25365, 28481, \text{ or } 30705 \pmod{33820}$ except $n = 1425, 6765$
89	96	$n \equiv 1, 9345, 20737, \text{ or } 22785 \pmod{34176}$ except $n = 9345$
89	97	$n \equiv 1, 8633, 9701, \text{ or } 33465 \pmod{34532}$ except $n = 8633, 9701$
89	98	$n \equiv 1, 4361, 16465, \text{ or } 22785 \pmod{34888}$ except $n = 4361, 16465$
89	99	$n \equiv 1, 4005, 7921, 18513, 22429, 26433, 30349, \text{ or } 31329 \pmod{35244}$ except $n = 4005, 7921$
89	100	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{35600}$ except $n = 801, 1425, 2225$
89	101	$n \equiv 1, 8989, 14241, \text{ or } 30705 \pmod{35956}$ except $n = 8989, 14241$
89	102	$n \equiv 1, 1513, 6409, 7209, 12105, 13617, 18513, \text{ or } 31417 \pmod{36312}$ except $n = 1513, 6409, 7209, 12105, 13617$
89	103	$n \equiv 1, 11125, 16377, \text{ or } 27501 \pmod{36668}$ except $n = 11125, 16377$
89	104	$n \equiv 1, 15041, 17889, \text{ or } 34177 \pmod{37024}$ except $n = 15041, 17889$
89	105	$n \equiv 1, 4005, 5341, 9345, 11481, 16465, 16821, 17445, 21805,$ $22785, 23941, 24921, 29281, 29905, 30261, \text{ or } 35245 \pmod{37380}$ except $n = 4005, 5341, 9345, 11481, 16465, 16821, 17445$
89	106	$n \equiv 1, 7209, 16377, \text{ or } 23585 \pmod{37736}$ except $n = 7209, 16377$
89	107	$n \equiv 1, 8989, 19581, \text{ or } 28569 \pmod{38092}$ except $n = 8989$
89	108	$n \equiv 1, 5697, 20737, \text{ or } 26433 \pmod{38448}$ except $n = 5697$
89	109	$n \equiv 1, 4361, 5341, \text{ or } 9701 \pmod{38804}$ except $n = 4361, 5341, 9701$

*continued on next page*

Table 88: Superspectra for  $p = 89$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
89	110	$n \equiv 1, 7921, 10681, 15665, 18601, 23585, 26345, \text{ or } 34265 \pmod{39160}$ except $n = 7921, 10681, 15665, 18601$
89	111	$n \equiv 1, 445, 13173, 13617, 16021, 16465, 29193, \text{ or } 29637 \pmod{39516}$ except $n = 445, 13173, 13617, 16021, 16465$
89	112	$n \equiv 1, 9345, 22785, \text{ or } 26433 \pmod{39872}$ except $n = 9345$
89	113	$n \equiv 1, 10057, 17177, \text{ or } 33109 \pmod{40228}$ except $n = 10057, 17177$
89	114	$n \equiv 1, 1425, 3649, 5073, 14953, 18601, 27057, \text{ or } 30705 \pmod{40584}$ except $n = 1425, 3649, 5073, 14953, 18601$
89	115	$n \equiv 1, 6141, 8901, 21805, 24565, 30705, 33465, \text{ or } 38181 \pmod{40940}$ except $n = 6141, 8901$
89	116	$n \equiv 1, 6497, 27057, \text{ or } 33553 \pmod{41296}$ except $n = 6497$
89	117	$n \equiv 1, 4005, 6409, 10413, 18513, 24921, 27145, \text{ or } 33553 \pmod{41652}$ except $n = 4005, 6409, 10413, 18513$
89	118	$n \equiv 1, 15753, 26433, \text{ or } 31329 \pmod{42008}$ except $n = 15753$
89	119	$n \equiv 1, 357, 1513, 12461, 19313, 30261, 31417, \text{ or } 31773 \pmod{42364}$ except $n = 357, 1513, 12461, 19313$
89	120	$n \equiv 1, 801, 8545, 9345, 14241, 22785, 29281, \text{ or } 37825 \pmod{42720}$ except $n = 801, 8545, 9345, 14241$
89	121	$n \equiv 1, 10769, 18513, \text{ or } 35333 \pmod{43076}$ except $n = 10769, 18513$
89	122	$n \equiv 1, 27145, 29281, \text{ or } 41297 \pmod{43432}$
89	123	$n \equiv 1, 3649, 6765, 11481, 21361, 26077, 29193, \text{ or } 32841 \pmod{43788}$ except $n = 3649, 6765, 11481, 21361$
89	124	$n \equiv 1, 19313, 22785, \text{ or } 40673 \pmod{44144}$ except $n = 19313$
89	125	$n \equiv 1, 11125, 27501, \text{ or } 28125 \pmod{44500}$ except $n = 11125$
89	126	$n \equiv 1, 1513, 12817, 14329, 24921, 26433, 37737, \text{ or } 39249 \pmod{44856}$ except $n = 1513, 12817, 14329$
89	127	$n \equiv 1, 12193, 21717, \text{ or } 33909 \pmod{45212}$ except $n = 12193, 21717$
89	128	$n \equiv 1 \text{ or } 43521 \pmod{45568}$



Table 89: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 90$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
90	2	$n \equiv 1, 81, 145, \text{ or } 225 \pmod{720}$ except $n = 81, 145, 225$
90	3	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{1080}$ except $n = 81$
90	4	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
90	5	$n \equiv 1, 225, 801, \text{ or } 1225 \pmod{1800}$ except $n = 225, 801$
90	6	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
90	7	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
90	8	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
90	9	$n \equiv 1, 81, 1945, \text{ or } 2025 \pmod{3240}$ except $n = 81$
90	10	$n \equiv 1, 225, 801, \text{ or } 3025 \pmod{3600}$ except $n = 225, 801$
90	11	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
90	12	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
90	13	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
90	14	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
90	15	$n \equiv 1, 2025, 3025, \text{ or } 4401 \pmod{5400}$ except $n = 2025$
90	16	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
90	17	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$
90	18	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
90	19	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
90	20	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$

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Table 89: Superspectra for  $p = 90$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
90	21	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
90	22	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
90	23	$n \equiv 1, 1081, 2025, 3105, 3681, 4761, 6625, \text{ or } 7705 \pmod{8280}$ except $n = 1081, 2025, 3105, 3681$
90	24	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
90	25	$n \equiv 1, 5625, 6625, \text{ or } 8001 \pmod{9000}$
90	26	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
90	27	$n \equiv 1, 1945, 6561, \text{ or } 8505 \pmod{9720}$ except $n = 1945$
90	28	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
90	29	$n \equiv 1, 145, 1161, 1305, 4321, 5481, 6265, \text{ or } 7425 \pmod{10440}$ except $n = 145, 1161, 1305, 4321$
90	30	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
90	31	$n \equiv 1, 4185, 4465, 4681, 6201, 9145, 10665, \text{ or } 10881 \pmod{11160}$ except $n = 4185, 4465, 4681$
90	32	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
90	33	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
90	34	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
90	35	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
90	36	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
90	37	$n \equiv 1, 1665, 2665, 2961, 5625, 9361, 12025, \text{ or } 12321 \pmod{13320}$ except $n = 1665, 2665, 2961, 5625$

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Table 89: Superspectra for  $p = 90$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
90	38	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
90	39	$n \equiv 1, 5265, 6345, 7345, 8425, 10881, 11961, \text{ or } 12961 \pmod{14040}$ except $n = 5265, 6345$
90	40	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
90	41	$n \equiv 1, 2665, 3321, 5905, 6561, 9225, 11521, \text{ or } 12465 \pmod{14760}$ except $n = 2665, 3321, 5905, 6561$
90	42	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
90	43	$n \equiv 1, 1161, 2881, 10665, 12385, 13545, 13761, \text{ or } 15265 \pmod{15480}$ except $n = 1161, 2881$
90	44	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
90	45	$n \equiv 1, 2025, 8425, \text{ or } 9801 \pmod{16200}$ except $n = 2025$
90	46	$n \equiv 1, 3105, 3681, 6625, 9361, 10305, 13041, \text{ or } 15985 \pmod{16560}$ except $n = 3105, 3681, 6625$
90	47	$n \equiv 1, 1081, 1881, 2961, 3385, 4465, 5265, \text{ or } 6345 \pmod{16920}$ except $n = 1081, 1881, 2961, 3385, 4465, 5265, 6345$
90	48	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
90	49	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
90	50	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{18000}$ except $n = 6625, 8001$
90	51	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 16201, \text{ or } 18225 \pmod{18360}$ except $n = 5185, 7345, 8721$
90	52	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
90	53	$n \equiv 1, 2385, 6201, 6625, 10441, 11025, 14841, \text{ or } 15265 \pmod{19080}$ except $n = 2385, 6201, 6625$
90	54	$n \equiv 1, 6561, 11665, \text{ or } 18225 \pmod{19440}$ except $n = 6561$

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Table 89: Superspectra for  $p = 90$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
90	55	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 17425 \pmod{19800}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
90	56	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
90	57	$n \equiv 1, 4105, 8721, 12825, 14041, 15201, 18145, \text{ or } 19305 \pmod{20520}$ except $n = 4105, 8721$
90	58	$n \equiv 1, 145, 4321, 7425, 11601, 11745, 15921, \text{ or } 16705 \pmod{20880}$ except $n = 145, 4321, 7425$
90	59	$n \equiv 1, 945, 5841, 9145, 9441, 12745, 17641, \text{ or } 18585 \pmod{21240}$ except $n = 945, 5841, 9145, 9441$
90	60	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
90	61	$n \equiv 1, 2745, 5185, 6345, 8785, 15921, 18361, \text{ or } 19521 \pmod{21960}$ except $n = 2745, 5185, 6345, 8785$
90	62	$n \equiv 1, 4465, 10881, 15345, 15841, 17361, 20305, \text{ or } 21825 \pmod{22320}$ except $n = 4465, 10881$
90	63	$n \equiv 1, 3241, 5265, 8505, 9801, 13041, 18145, \text{ or } 21385 \pmod{22680}$ except $n = 3241, 5265, 8505, 9801$
90	64	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$
90	65	$n \equiv 1, 2601, 3601, 6201, 8425, 11025, 12025, \text{ or } 14625 \pmod{23400}$ except $n = 2601, 3601, 6201, 8425, 11025$
90	66	$n \equiv 1, 3025, 4401, 7425, 9505, 13905, 17281, \text{ or } 21681 \pmod{23760}$ except $n = 3025, 4401, 7425, 9505$
90	67	$n \equiv 1, 2881, 4825, 7705, 13401, 16281, 18225, \text{ or } 21105 \pmod{24120}$ except $n = 2881, 4825, 7705$
90	68	$n \equiv 1, 5185, 5985, 10081, 10881, 16065, 19585, \text{ or } 20961 \pmod{24480}$ except $n = 5185, 5985, 10081, 10881$
90	69	$n \equiv 1, 1081, 2025, 3105, 11961, 13041, 14905, \text{ or } 15985 \pmod{24840}$ except $n = 1081, 2025, 3105, 11961$

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Table 89: Superspectra for  $p = 90$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
90	70	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
90	71	$n \equiv 1, 4545, 5041, 9585, 10225, 15265, 19881, \text{ or } 24921 \pmod{25560}$ except $n = 4545, 5041, 9585, 10225$
90	72	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{25920}$ except $n = 5185$
90	73	$n \equiv 1, 585, 5841, 10585, 15841, 16425, 21025, \text{ or } 21681 \pmod{26280}$ except $n = 585, 5841, 10585$
90	74	$n \equiv 1, 1665, 2961, 9361, 12321, 15985, 18945, \text{ or } 25345 \pmod{26640}$ except $n = 1665, 2961, 9361, 12321$
90	75	$n \equiv 1, 23625, 24625, \text{ or } 26001 \pmod{27000}$
90	76	$n \equiv 1, 5985, 7201, 10945, 15201, 18145, 22401, \text{ or } 26145 \pmod{27360}$ except $n = 5985, 7201, 10945$
90	77	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$
90	78	$n \equiv 1, 5265, 7345, 10881, 12961, 20385, 22465, \text{ or } 26001 \pmod{28080}$ except $n = 5265, 7345, 10881, 12961$
90	79	$n \equiv 1, 10665, 13825, 13905, 17065, 22041, 25201, \text{ or } 25281 \pmod{28440}$ except $n = 10665, 13825, 13905$
90	80	$n \equiv 1, 7425, 13825, \text{ or } 22401 \pmod{28800}$ except $n = 7425, 13825$
90	81	$n \equiv 1, 6561, 11665, \text{ or } 18225 \pmod{29160}$ except $n = 6561, 11665$
90	82	$n \equiv 1, 5905, 6561, 11521, 12465, 17425, 18081, \text{ or } 23985 \pmod{29520}$ except $n = 5905, 6561, 11521, 12465$
90	83	$n \equiv 1, 2241, 3321, 22825, 23905, 26145, 27225, \text{ or } 28801 \pmod{29880}$ except $n = 2241, 3321$
90	84	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$
90	85	$n \equiv 1, 1225, 2601, 3825, 16201, 17001, 17425, \text{ or } 18225 \pmod{30600}$ except $n = 1225, 2601, 3825$

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Table 89: Superspectra for  $p = 90$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
90	86	$n \equiv 1, 2881, 12385, 13761, 15265, 16641, 26145, \text{ or } 29025 \pmod{30960}$ except $n = 2881, 12385, 13761, 15265$
90	87	$n \equiv 1, 1161, 4321, 5481, 6265, 7425, 10585, \text{ or } 11745 \pmod{31320}$ except $n = 1161, 4321, 5481, 6265, 7425, 10585, 11745$
90	88	$n \equiv 1, 7425, 10945, 13761, 17281, 21825, 25345, \text{ or } 28161 \pmod{31680}$ except $n = 7425, 10945, 13761$
90	89	$n \equiv 1, 801, 7921, 12105, 19225, 20025, 24921, \text{ or } 27145 \pmod{32040}$ except $n = 801, 7921, 12105$
90	90	$n \equiv 1, 18225, 24625, \text{ or } 26001 \pmod{32400}$
90	91	$n \equiv 1, 3745, 5265, 7281, 8281, 11025, 13105, 15561, 17641,$ $20385, 21385, 23401, 24921, 28665, 30681, \text{ or } 30745 \pmod{32760}$ except $n = 3745, 5265, 7281, 8281, 11025, 13105, 15561$
90	92	$n \equiv 1, 3105, 3681, 6625, 10305, 25921, 29601, \text{ or } 32545 \pmod{33120}$ except $n = 3105, 3681, 6625, 10305$
90	93	$n \equiv 1, 4185, 10665, 10881, 17361, 20305, 26785, \text{ or } 27001 \pmod{33480}$ except $n = 4185, 10665, 10881$
90	94	$n \equiv 1, 2961, 4465, 5265, 18001, 18801, 20305, \text{ or } 23265 \pmod{33840}$ except $n = 2961, 4465, 5265$
90	95	$n \equiv 1, 5625, 7201, 12825, 15201, 22401, 24625, \text{ or } 31825 \pmod{34200}$ except $n = 5625, 7201, 12825, 15201$
90	96	$n \equiv 1, 7425, 13825, \text{ or } 28161 \pmod{34560}$ except $n = 7425, 13825$
90	97	$n \equiv 1, 3105, 6985, 14841, 18721, 21825, 25705, \text{ or } 31041 \pmod{34920}$ except $n = 3105, 6985, 14841$
90	98	$n \equiv 1, 11025, 18081, 18865, 20385, 25921, 27441, \text{ or } 28225 \pmod{35280}$ except $n = 11025$
90	99	$n \equiv 1, 2025, 9801, 14905, 16281, 21385, 29161, \text{ or } 31185 \pmod{35640}$ except $n = 2025, 9801, 14905, 16281$
90	100	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{36000}$ except $n = 6625, 8001, 14625$

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Table 89: Superspectra for  $p = 90$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
90	101	$n \equiv 1, 505, 4041, 4545, 14545, 18585, 22321, \text{ or } 26361 \pmod{36360}$ except $n = 505, 4041, 4545, 14545$
90	102	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 18225, \text{ or } 34561 \pmod{36720}$ except $n = 5185, 7345, 8721, 10881, 16065, 18225$
90	103	$n \equiv 1, 721, 13185, 13905, 20601, 21321, 29665, \text{ or } 30385 \pmod{37080}$ except $n = 721, 13185, 13905$
90	104	$n \equiv 1, 1665, 10881, 16641, 16705, 22465, 31681, \text{ or } 33345 \pmod{37440}$ except $n = 1665, 10881, 16641, 16705$
90	105	$n \equiv 1, 3025, 9801, 10801, 12825, 13825, 20601, \text{ or } 23625 \pmod{37800}$ except $n = 3025, 9801, 10801, 12825, 13825$
90	106	$n \equiv 1, 2385, 6625, 11025, 15265, 25281, 29521, \text{ or } 33921 \pmod{38160}$ except $n = 2385, 6625, 11025, 15265$
90	107	$n \equiv 1, 3745, 7705, 26001, 29961, 33705, 34561, \text{ or } 37665 \pmod{38520}$ except $n = 3745, 7705$
90	108	$n \equiv 1, 6561, 31105, \text{ or } 37665 \pmod{38880}$ except $n = 6561$
90	109	$n \equiv 1, 4905, 8721, 11881, 20601, 23545, 32265, \text{ or } 35425 \pmod{39240}$ except $n = 4905, 8721, 11881$
90	110	$n \equiv 1, 3025, 4401, 7425, 17425, 21825, 25201, \text{ or } 29601 \pmod{39600}$ except $n = 3025, 4401, 7425, 17425$
90	111	$n \equiv 1, 14985, 15985, 16281, 22681, 32265, 38665, \text{ or } 38961 \pmod{39960}$ except $n = 14985, 15985, 16281$
90	112	$n \equiv 1, 5761, 8065, 13825, 22401, 28161, 30465, \text{ or } 36225 \pmod{40320}$ except $n = 5761, 8065, 13825$
90	113	$n \equiv 1, 7345, 9945, 15481, 18081, 25425, 32545, \text{ or } 33561 \pmod{40680}$ except $n = 7345, 9945, 15481, 18081$
90	114	$n \equiv 1, 8721, 15201, 18145, 24625, 33345, 34561, \text{ or } 39825 \pmod{41040}$ except $n = 8721, 15201, 18145$
90	115	$n \equiv 1, 2025, 6625, 29601, 34201, 36225, 36801, \text{ or } 40825 \pmod{41400}$ except $n = 2025, 6625$

*continued on next page*

Table 89: Superspectra for  $p = 90$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
90	116	$n \equiv 1, 4321, 7425, 11745, 16705, 21025, 32481, \text{ or } 36801 \pmod{41760}$ except $n = 4321, 7425, 11745, 16705$
90	117	$n \equiv 1, 5265, 8425, 12961, 21385, 26001, 34425, \text{ or } 38961 \pmod{42120}$ except $n = 5265, 8425, 12961$
90	118	$n \equiv 1, 945, 5841, 9441, 30385, 33985, 38881, \text{ or } 39825 \pmod{42480}$ except $n = 945, 5841, 9441$
90	119	$n \equiv 1, 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361,$ $23121, 25705, 28441, 30465, 33201, 35785, \text{ or } 40545 \pmod{42840}$ except $n = 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361$
90	120	$n \equiv 1, 7425, 13825, \text{ or } 36801 \pmod{43200}$ except $n = 7425, 13825$
90	121	$n \equiv 1, 3025, 9801, 17425, 24201, 27225, 29161, \text{ or } 41625 \pmod{43560}$ except $n = 3025, 9801, 17425$
90	122	$n \equiv 1, 5185, 8785, 15921, 19521, 24705, 28305, \text{ or } 40321 \pmod{43920}$ except $n = 5185, 8785, 15921, 19521$
90	123	$n \equiv 1, 3321, 6561, 32185, 35425, 38745, 41041, \text{ or } 41985 \pmod{44280}$ except $n = 3321, 6561$
90	124	$n \equiv 1, 10881, 15841, 21825, 26785, 37665, 39681, \text{ or } 42625 \pmod{44640}$ except $n = 10881, 15841, 21825$
90	125	$n \equiv 1, 5625, 15625, \text{ or } 35001 \pmod{45000}$ except $n = 5625, 15625$
90	126	$n \equiv 1, 5265, 13041, 18145, 25921, 31185, 32481, \text{ or } 44065 \pmod{45360}$ except $n = 5265, 13041, 18145$
90	127	$n \equiv 1, 6985, 8001, 9145, 10161, 17145, 19305, \text{ or } 43561 \pmod{45720}$ except $n = 6985, 8001, 9145, 10161, 17145, 19305$
90	128	$n \equiv 1, 5121, 36865, \text{ or } 41985 \pmod{46080}$ except $n = 5121$



Table 90: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 91$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	2	$n \equiv 1, 105, 169, \text{ or } 273 \pmod{728}$ except $n = 105, 169, 273$
91	3	$n \equiv 1, 105, 169, 273, 469, 637, 729, \text{ or } 897 \pmod{1092}$ except $n = 105, 169, 273, 469$
91	4	$n \equiv 1, 273, 833, \text{ or } 897 \pmod{1456}$ except $n = 273$
91	5	$n \equiv 1, 105, 365, 1001, 1261, 1365, 1561, \text{ or } 1625 \pmod{1820}$ except $n = 105, 365$
91	6	$n \equiv 1, 105, 169, 273, 729, 897, 1561, \text{ or } 1729 \pmod{2184}$ except $n = 105, 169, 273, 729, 897$
91	7	$n \equiv 1, 637, 833, \text{ or } 2353 \pmod{2548}$ except $n = 637, 833$
91	8	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
91	9	$n \equiv 1, 469, 729, 1197, 1261, 1729, 1989, \text{ or } 2457 \pmod{3276}$ except $n = 469, 729, 1197, 1261$
91	10	$n \equiv 1, 105, 1001, 1561, 1625, 2185, 3081, \text{ or } 3185 \pmod{3640}$ except $n = 105, 1001, 1561, 1625$
91	11	$n \equiv 1, 1001, 1365, 1925, 2289, 2717, 3081, \text{ or } 3641 \pmod{4004}$ except $n = 1001, 1365, 1925$
91	12	$n \equiv 1, 273, 897, 1729, 2289, 2353, 2913, \text{ or } 3745 \pmod{4368}$ except $n = 273, 897, 1729$
91	13	$n \equiv 1, 169, 3381, \text{ or } 3549 \pmod{4732}$ except $n = 169$
91	14	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{5096}$ except $n = 833, 2353$
91	15	$n \equiv 1, 105, 1261, 1365, 1561, 1821, 2185, 2821, 3081,$ $3381, 3445, 3745, 4005, 4641, 5005, \text{ or } 5265 \pmod{5460}$ except $n = 105, 1261, 1365, 1561, 1821, 2185$
91	16	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
91	17	$n \equiv 1, 273, 833, 1989, 2653, 3809, 4369, \text{ or } 4641 \pmod{6188}$ except $n = 273, 833, 1989, 2653$
91	18	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$

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Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	19	$n \equiv 1, 533, 1197, 1729, 2185, 2717, 5929, \text{ or } 6461 \pmod{6916}$ except $n = 533, 1197, 1729, 2185, 2717$
91	20	$n \equiv 1, 3185, 3745, 4641, 5201, 5265, 5825, \text{ or } 6721 \pmod{7280}$ except $n = 3185$
91	21	$n \equiv 1, 637, 2353, 3381, 5097, 5733, 5929, \text{ or } 7449 \pmod{7644}$ except $n = 637, 2353, 3381$
91	22	$n \equiv 1, 1001, 2289, 3081, 3641, 5369, 5929, \text{ or } 6721 \pmod{8008}$ except $n = 1001, 2289, 3081, 3641$
91	23	$n \equiv 1, 897, 1197, 2093, 2185, 3381, 7085, \text{ or } 8281 \pmod{8372}$ except $n = 897, 1197, 2093, 2185, 3381$
91	24	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
91	25	$n \equiv 1, 1001, 1625, 1925, 4901, 5201, 5825, \text{ or } 6825 \pmod{9100}$ except $n = 1001, 1625, 1925$
91	26	$n \equiv 1, 169, 8113, \text{ or } 8281 \pmod{9464}$ except $n = 169$
91	27	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 7021, \text{ or } 7749 \pmod{9828}$ except $n = 729, 1729, 2457, 4537$
91	28	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{10192}$ except $n = 833, 2353, 3185$
91	29	$n \equiv 1, 1625, 3017, 3277, 4641, 4901, 6293, \text{ or } 7917 \pmod{10556}$ except $n = 1625, 3017, 3277, 4641, 4901$
91	30	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
91	31	$n \equiv 1, 1365, 1457, 2821, 4837, 6293, 7813, \text{ or } 9269 \pmod{11284}$ except $n = 1365, 1457, 2821, 4837$
91	32	$n \equiv 1, 897, 6657, \text{ or } 7553 \pmod{11648}$ except $n = 897$
91	33	$n \equiv 1, 1365, 2289, 3081, 4005, 5005, 5929, 6721, 7645,$ $9009, 9373, 9933, 10297, 10725, 11089, \text{ or } 11649 \pmod{12012}$ except $n = 1365, 2289, 3081, 4005, 5005, 5929$

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Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	34	$n \equiv 1, 273, 833, 3809, 4369, 4641, 8177, \text{ or } 8841 \pmod{12376}$ except $n = 273, 833, 3809, 4369, 4641$
91	35	$n \equiv 1, 3185, 3381, 4901, 7645, 8281, 11025, \text{ or } 12545 \pmod{12740}$ except $n = 3185, 3381, 4901$
91	36	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
91	37	$n \equiv 1, 1925, 8177, 10101, 10361, 11285, 12285, \text{ or } 13209 \pmod{13468}$ except $n = 1925$
91	38	$n \equiv 1, 1729, 2185, 5929, 7449, 8113, 9633, \text{ or } 13377 \pmod{13832}$ except $n = 1729, 2185, 5929$
91	39	$n \equiv 1, 169, 3381, 3549, 8113, 8281, 9465, \text{ or } 9633 \pmod{14196}$ except $n = 169, 3381, 3549$
91	40	$n \equiv 1, 3745, 4641, 5825, 6721, 10465, 12481, \text{ or } 12545 \pmod{14560}$ except $n = 3745, 4641, 5825, 6721$
91	41	$n \equiv 1, 533, 3445, 7749, 10661, 11193, 12013, \text{ or } 14105 \pmod{14924}$ except $n = 533, 3445$
91	42	$n \equiv 1, 2353, 5097, 5929, 7449, 8281, 11025, \text{ or } 13377 \pmod{15288}$ except $n = 2353, 5097, 5929, 7449$
91	43	$n \equiv 1, 3913, 4473, 5461, 9633, 9933, 14105, \text{ or } 15093 \pmod{15652}$ except $n = 3913, 4473, 5461$
91	44	$n \equiv 1, 2289, 6721, 9009, 11089, 11649, 13377, \text{ or } 13937 \pmod{16016}$ except $n = 2289, 6721$
91	45	$n \equiv 1, 1261, 3745, 4005, 5005, 5265, 7021, 7281, 8281,$ $8541, 11025, 12285, 13105, 14301, 14365, \text{ or } 15561 \pmod{16380}$ except $n = 1261, 3745, 4005, 5005, 5265, 7021, 7281$
91	46	$n \equiv 1, 897, 2185, 8281, 9569, 10465, 11753, \text{ or } 15457 \pmod{16744}$ except $n = 897, 2185, 8281$
91	47	$n \equiv 1, 1457, 2821, 4277, 5265, 6721, 14665, \text{ or } 16121 \pmod{17108}$ except $n = 1457, 2821, 4277, 5265, 6721$

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Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	48	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
91	49	$n \equiv 1, 13377, 15093, \text{ or } 16121 \pmod{17836}$
91	50	$n \equiv 1, 1001, 1625, 5201, 5825, 6825, 11025, \text{ or } 14001 \pmod{18200}$ except $n = 1001, 1625, 5201, 5825, 6825$
91	51	$n \equiv 1, 273, 1989, 2653, 4369, 4641, 6189, 7021, 8841,$ $9997, 10557, 12649, 13209, 14365, 16185, \text{ or } 17017 \pmod{18564}$ except $n = 273, 1989, 2653, 4369, 4641, 6189, 7021, 8841$
91	52	$n \equiv 1, 8113, 9633, \text{ or } 17745 \pmod{18928}$ except $n = 8113$
91	53	$n \equiv 1, 637, 3445, 5565, 8905, 11025, 13833, \text{ or } 14469 \pmod{19292}$ except $n = 637, 3445, 5565, 8905$
91	54	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 16849, \text{ or } 17577 \pmod{19656}$ except $n = 729, 1729, 2457, 4537, 5265$
91	55	$n \equiv 1, 1001, 1365, 1925, 3081, 3641, 4005, 5005, 6721,$ $7085, 7645, 10725, 14301, 17381, 17941, \text{ or } 18305 \pmod{20020}$ except $n = 1001, 1365, 1925, 3081, 3641,$ $4005, 5005, 6721, 7085, 7645$
91	56	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{20384}$ except $n = 833$
91	57	$n \equiv 1, 1197, 1729, 2185, 5929, 7449, 8113, 9633, 13377,$ $13833, 14365, 15561, 16017, 16549, 19761, \text{ or } 20293 \pmod{20748}$ except $n = 1197, 1729, 2185, 5929, 7449, 8113, 9633$
91	58	$n \equiv 1, 1625, 3017, 4641, 13833, 15457, 16849, \text{ or } 18473 \pmod{21112}$ except $n = 1625, 3017, 4641$
91	59	$n \equiv 1, 5369, 7021, 7553, 9205, 17641, 19293, \text{ or } 19825 \pmod{21476}$ except $n = 5369, 7021, 7553, 9205$
91	60	$n \equiv 1, 3745, 4641, 5265, 6721, 7281, 10465, 11025, 12481,$ $13105, 14001, 17745, 19201, 19761, 19825, \text{ or } 20385 \pmod{21840}$ except $n = 3745, 4641, 5265, 6721, 7281, 10465$
91	61	$n \equiv 1, 5369, 8113, 8541, 11285, 16653, 19033, \text{ or } 19825 \pmod{22204}$ except $n = 5369, 8113, 8541$

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Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	62	$n \equiv 1, 1457, 12649, 14105, 16121, 17577, 19097, \text{ or } 20553 \pmod{22568}$ except $n = 1457$
91	63	$n \equiv 1, 5733, 8281, 11025, 13573, 15093, 17641, \text{ or } 20385 \pmod{22932}$ except $n = 5733, 8281, 11025$
91	64	$n \equiv 1, 6657, 12545, \text{ or } 19201 \pmod{23296}$ except $n = 6657$
91	65	$n \equiv 1, 3381, 4901, 8281, 9465, 12845, 14365, \text{ or } 17745 \pmod{23660}$ except $n = 3381, 4901, 8281, 9465$
91	66	$n \equiv 1, 2289, 3081, 5929, 6721, 9009, 10297, 11089, 11649,$ $13377, 16017, 17017, 19657, 21385, 21945, \text{ or } 22737 \pmod{24024}$ except $n = 2289, 3081, 5929, 6721, 9009, 10297, 11089, 11649$
91	67	$n \equiv 1, 469, 5629, 6097, 10921, 13937, 16549, \text{ or } 19565 \pmod{24388}$ except $n = 469, 5629, 6097, 10921$
91	68	$n \equiv 1, 273, 833, 3809, 4369, 4641, 8177, \text{ or } 21217 \pmod{24752}$ except $n = 273, 833, 3809, 4369, 4641, 8177$
91	69	$n \equiv 1, 897, 1197, 2185, 3381, 8281, 8373, 10465, 10557,$ $15457, 16653, 17641, 17941, 18837, 20125, \text{ or } 23829 \pmod{25116}$ except $n = 897, 1197, 2185, 3381, 8281, 8373, 10465, 10557$
91	70	$n \equiv 1, 3185, 8281, 11025, 12545, 16121, 17641, \text{ or } 20385 \pmod{25480}$ except $n = 3185, 8281, 11025, 12545$
91	71	$n \equiv 1, 1989, 4473, 6461, 7385, 9373, 22933, \text{ or } 24921 \pmod{25844}$ except $n = 1989, 4473, 6461, 7385, 9373$
91	72	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
91	73	$n \equiv 1, 365, 8177, 8541, 11389, 11753, 19565, \text{ or } 19929 \pmod{26572}$ except $n = 365, 8177, 8541, 11389, 11753$
91	74	$n \equiv 1, 8177, 10361, 13209, 15393, 23569, 24753, \text{ or } 25753 \pmod{26936}$ except $n = 8177, 10361, 13209$
91	75	$n \equiv 1, 6825, 10101, 10725, 11025, 14001, 14301, 14925, 15925,$ $18201, 19201, 19825, 20125, 23101, 23401, \text{ or } 24025 \pmod{27300}$ except $n = 6825, 10101, 10725, 11025$

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Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	76	$n \equiv 1, 1729, 8113, 9633, 13377, 16017, 19761, \text{ or } 21281 \pmod{27664}$ except $n = 1729, 8113, 9633, 13377$
91	77	$n \equiv 1, 5929, 7645, 13377, 15093, 21021, 22737, \text{ or } 26313 \pmod{28028}$ except $n = 5929, 7645, 13377$
91	78	$n \equiv 1, 169, 8113, 8281, 9465, 9633, 17577, \text{ or } 17745 \pmod{28392}$ except $n = 169, 8113, 8281, 9465, 9633$
91	79	$n \equiv 1, 3081, 4109, 7189, 13273, 17381, 18565, \text{ or } 22673 \pmod{28756}$ except $n = 3081, 4109, 7189, 13273$
91	80	$n \equiv 1, 5825, 6721, 12481, 12545, 18305, 19201, \text{ or } 25025 \pmod{29120}$ except $n = 5825, 6721, 12481, 12545$
91	81	$n \equiv 1, 729, 4537, 5265, 16849, 17577, 21385, \text{ or } 22113 \pmod{29484}$ except $n = 729, 4537, 5265$
91	82	$n \equiv 1, 11193, 14105, 15457, 18369, 22673, 25585, \text{ or } 26937 \pmod{29848}$ except $n = 11193, 14105$
91	83	$n \equiv 1, 7553, 12285, 16185, 16849, 20917, 21581, \text{ or } 25481 \pmod{30212}$ except $n = 7553, 12285$
91	84	$n \equiv 1, 2353, 11025, 13377, 20385, 21217, 22737, \text{ or } 23569 \pmod{30576}$ except $n = 2353, 11025, 13377$
91	85	$n \equiv 1, 4641, 6461, 7021, 8841, 14365, 16185, 16745, 18565,$ $23205, 25025, 25585, 26741, 27405, 28561, \text{ or } 29121 \pmod{30940}$ except $n = 4641, 6461, 7021, 8841, 14365$
91	86	$n \equiv 1, 3913, 4473, 9633, 14105, 21113, 25585, \text{ or } 30745 \pmod{31304}$ except $n = 3913, 4473, 9633, 14105$
91	87	$n \equiv 1, 3277, 4641, 7917, 10557, 12181, 13573, 13833, 15457,$ $16849, 22737, 24129, 25753, 26013, 27405, \text{ or } 29029 \pmod{31668}$ except $n = 3277, 4641, 7917, 10557, 12181, 13573, 13833, 15457$
91	88	$n \equiv 1, 6721, 11649, 13377, 18305, 25025, 27105, \text{ or } 29953 \pmod{32032}$ except $n = 6721, 11649, 13377$
91	89	$n \equiv 1, 4005, 20293, 24297, 24921, 27769, 28925, \text{ or } 31773 \pmod{32396}$ except $n = 4005$

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Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	90	$n \equiv 1, 3745, 5265, 7281, 8281, 11025, 13105, 15561, 17641,$ $20385, 21385, 23401, 24921, 28665, 30681, \text{ or } 30745 \pmod{32760}$ except $n = 3745, 5265, 7281, 8281, 11025, 13105, 15561$
91	91	$n \equiv 1, 3381, 4901, \text{ or } 8281 \pmod{33124}$ except $n = 3381, 4901, 8281$
91	92	$n \equiv 1, 897, 9569, 10465, 15457, 18929, 25025, \text{ or } 28497 \pmod{33488}$ except $n = 897, 9569, 10465, 15457$
91	93	$n \equiv 1, 1365, 2821, 4837, 7813, 12649, 12741, 17577, 20553,$ $22569, 24025, 25389, 27405, 28861, 30381, \text{ or } 31837 \pmod{33852}$ except $n = 1365, 2821, 4837, 7813, 12649, 12741$
91	94	$n \equiv 1, 1457, 5265, 6721, 14665, 16121, 19929, \text{ or } 21385 \pmod{34216}$ except $n = 1457, 5265, 6721, 14665, 16121$
91	95	$n \equiv 1, 2185, 6461, 8645, 9101, 12845, 14365, 15561, 19761,$ $21281, 21945, 23465, 27665, 28861, 30381, \text{ or } 34125 \pmod{34580}$ except $n = 2185, 6461, 8645, 9101, 12845, 14365, 15561$
91	96	$n \equiv 1, 897, 6657, 11649, 19201, 24193, 29953, \text{ or } 30849 \pmod{34944}$ except $n = 897, 6657, 11649$
91	97	$n \equiv 1, 1261, 2717, 23765, 25221, 26481, 27937, \text{ or } 33853 \pmod{35308}$ except $n = 1261, 2717$
91	98	$n \equiv 1, 13377, 16121, \text{ or } 32929 \pmod{35672}$ except $n = 13377, 16121$
91	99	$n \equiv 1, 4005, 5005, 9009, 10297, 11089, 14301, 15093, 19657,$ $21385, 23661, 25389, 29953, 30745, 33957, \text{ or } 34749 \pmod{36036}$ except $n = 4005, 5005, 9009, 10297, 11089, 14301, 15093$
91	100	$n \equiv 1, 5201, 5825, 11025, 14001, 19201, 19825, \text{ or } 25025 \pmod{36400}$ except $n = 5201, 5825, 11025, 14001$
91	101	$n \equiv 1, 10101, 11817, 15757, 17473, 27573, 31109, \text{ or } 33229 \pmod{36764}$ except $n = 10101, 11817, 15757, 17473$
91	102	$n \equiv 1, 273, 4369, 4641, 8841, 12649, 13209, 16185, 17017,$ $20553, 21217, 24753, 25585, 28561, 29121, \text{ or } 32929 \pmod{37128}$ except $n = 273, 4369, 4641, 8841, 12649, 13209, 16185, 17017$

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Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	103	$n \equiv 1, 9373, 14729, 14833, 20189, 26677, 32033, \text{ or } 32137 \pmod{37492}$ except $n = 9373, 14729, 14833$
91	104	$n \equiv 1, 9633, 27041, \text{ or } 36673 \pmod{37856}$ except $n = 9633$
91	105	$n \equiv 1, 3381, 7645, 8281, 11025, 12741, 15925, 17641, 20385,$ $21021, 25285, 28665, 28861, 30381, 36505, \text{ or } 38025 \pmod{38220}$ except $n = 3381, 7645, 8281, 11025, 12741, 15925, 17641$
91	106	$n \equiv 1, 8905, 11025, 13833, 19929, 22737, 24857, \text{ or } 33761 \pmod{38584}$ except $n = 8905, 11025, 13833$
91	107	$n \equiv 1, 3745, 4173, 5565, 5993, 9737, 11557, \text{ or } 37129 \pmod{38948}$ except $n = 3745, 4173, 5565, 5993, 9737, 11557$
91	108	$n \equiv 1, 1729, 5265, 16849, 20385, 22113, 24193, \text{ or } 37233 \pmod{39312}$ except $n = 1729, 5265, 16849$
91	109	$n \equiv 1, 2289, 7085, 10465, 19293, 22673, 27469, \text{ or } 29757 \pmod{39676}$ except $n = 2289, 7085, 10465, 19293$
91	110	$n \equiv 1, 1001, 3081, 3641, 6721, 18305, 21385, 21945, 24025,$ $25025, 27105, 27665, 30745, 34321, 37401, \text{ or } 37961 \pmod{40040}$ except $n = 1001, 3081, 3641, 6721, 18305$
91	111	$n \equiv 1, 10101, 12285, 13209, 15393, 21645, 23569, 23829, 24753,$ $25753, 26677, 26937, 28861, 35113, 37297, \text{ or } 38221 \pmod{40404}$ except $n = 10101, 12285, 13209, 15393$
91	112	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{40768}$ except $n = 833, 12545, 13377$
91	113	$n \equiv 1, 3277, 11753, 15029, 15821, 19097, 27573, \text{ or } 30849 \pmod{41132}$ except $n = 3277, 11753, 15029, 15821, 19097$
91	114	$n \equiv 1, 1729, 2185, 5929, 7449, 8113, 9633, 13377, 13833,$ $15561, 16017, 19761, 21945, 35113, 37297, \text{ or } 41041 \pmod{41496}$ except $n = 1729, 2185, 5929, 7449, 8113, 9633,$ $13377, 13833, 15561, 16017, 19761$

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Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	115	$n \equiv 1, 2185, 3381, 7085, 8281, 10465, 16745, 17641, 17941,$ 20125, 25025, 27301, 32201, 34385, 34685, or 35581 (mod 41860) except $n = 2185, 3381, 7085, 8281, 10465,$ 16745, 17641, 17941, 20125
91	116	$n \equiv 1, 4641, 15457, 16849, 22737, 24129, 34945,$ or 39585 (mod 42224) except $n = 4641, 15457, 16849$
91	117	$n \equiv 1, 8281, 14365, 17577, 23661, 31941, 36505,$ or 38025 (mod 42588) except $n = 8281, 14365, 17577$
91	118	$n \equiv 1, 5369, 7553, 17641, 19825, 28497, 30681,$ or 40769 (mod 42952) except $n = 5369, 7553, 17641, 19825$
91	119	$n \equiv 1, 833, 9997, 10829, 21217, 22933, 31213,$ or 32929 (mod 43316) except $n = 833, 9997, 10829, 21217$
91	120	$n \equiv 1, 3745, 4641, 6721, 10465, 12481, 19201, 20385, 27105,$ 29121, 32865, 34945, 35841, 39585, 41601, or 41665 (mod 43680) except $n = 3745, 4641, 6721, 10465, 12481, 19201, 20385$
91	121	$n \equiv 1, 5929, 6293, 26741, 27105, 33033, 33397,$ or 43681 (mod 44044) except $n = 5929, 6293$
91	122	$n \equiv 1, 5369, 8113, 19033, 19825, 30745, 33489,$ or 38857 (mod 44408) except $n = 5369, 8113, 19033, 19825$
91	123	$n \equiv 1, 3445, 7749, 11193, 12013, 14925, 15457, 18369, 25585,$ 26937, 29029, 30381, 37597, 40509, 41041, or 43953 (mod 44772) except $n = 3445, 7749, 11193, 12013, 14925, 15457, 18369$
91	124	$n \equiv 1, 1457, 35217, 36673, 38689, 40145, 41665,$ or 43121 (mod 45136) except $n = 1457$
91	125	$n \equiv 1, 1001, 1625, 14001, 20125, 32501, 33125,$ or 34125 (mod 45500) except $n = 1001, 1625, 14001, 20125$
91	126	$n \equiv 1, 8281, 11025, 17641, 20385, 28665, 36505,$ or 38025 (mod 45864) except $n = 8281, 11025, 17641, 20385$
91	127	$n \equiv 1, 5461, 6097, 11557, 13209, 18669, 39117,$ or 44577 (mod 46228) except $n = 5461, 6097, 11557, 13209, 18669$

*continued on next page*

Table 90: Superspectra for  $p = 91$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
91	128	$n \equiv 1, 6657, 35841, \text{ or } 42497 \pmod{46592}$ except $n = 6657$

Table 91: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 92$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
92	2	$n \equiv 1 \text{ or } 161 \pmod{736}$ except $n = 161$
92	3	$n \equiv 1, 369, 529, \text{ or } 897 \pmod{1104}$ except $n = 369, 529$
92	4	$n \equiv 1 \text{ or } 897 \pmod{1472}$
92	5	$n \equiv 1, 161, 1105, \text{ or } 1265 \pmod{1840}$ except $n = 161$
92	6	$n \equiv 1, 897, 1473, \text{ or } 1633 \pmod{2208}$ except $n = 897$
92	7	$n \equiv 1, 161, 897, \text{ or } 1841 \pmod{2576}$ except $n = 161, 897$
92	8	$n \equiv 1 \text{ or } 897 \pmod{2944}$ except $n = 897$
92	9	$n \equiv 1, 369, 2737, \text{ or } 3105 \pmod{3312}$ except $n = 369$
92	10	$n \equiv 1, 161, 2945, \text{ or } 3105 \pmod{3680}$ except $n = 161$
92	11	$n \equiv 1, 529, 737, \text{ or } 1265 \pmod{4048}$ except $n = 529, 737, 1265$
92	12	$n \equiv 1, 897, 1473, \text{ or } 3841 \pmod{4416}$ except $n = 897, 1473$
92	13	$n \equiv 1, 897, 1105, \text{ or } 4577 \pmod{4784}$ except $n = 897, 1105$
92	14	$n \equiv 1, 161, 897, \text{ or } 4417 \pmod{5152}$ except $n = 161, 897$
92	15	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
92	16	$n \equiv 1 \text{ or } 3841 \pmod{5888}$
92	17	$n \equiv 1, 1105, 1633, \text{ or } 2737 \pmod{6256}$ except $n = 1105, 1633, 2737$
92	18	$n \equiv 1, 3105, 3681, \text{ or } 6049 \pmod{6624}$ except $n = 3105$
92	19	$n \equiv 1, 2737, 2945, \text{ or } 5681 \pmod{6992}$ except $n = 2737, 2945$
92	20	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{7360}$ except $n = 2945$

*continued on next page*

Table 91: Superspectra for  $p = 92$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
92	21	$n \equiv 1, 897, 2577, 2737, 4417, 5313, 6049, \text{ or } 6993 \pmod{7728}$ except $n = 897, 2577, 2737$
92	22	$n \equiv 1, 737, 4577, \text{ or } 5313 \pmod{8096}$ except $n = 737$
92	23	$n \equiv 1 \text{ or } 529 \pmod{8464}$ except $n = 529$
92	24	$n \equiv 1, 897, 3841, \text{ or } 5889 \pmod{8832}$ except $n = 897, 3841$
92	25	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{9200}$ except $n = 2001$
92	26	$n \equiv 1, 897, 4577, \text{ or } 5889 \pmod{9568}$ except $n = 897, 4577$
92	27	$n \equiv 1, 3105, 6049, \text{ or } 6993 \pmod{9936}$ except $n = 3105$
92	28	$n \equiv 1, 897, 4417, \text{ or } 5313 \pmod{10304}$ except $n = 897, 4417$
92	29	$n \equiv 1, 2001, 4785, \text{ or } 7889 \pmod{10672}$ except $n = 2001, 4785$
92	30	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
92	31	$n \equiv 1, 2945, 3473, \text{ or } 6417 \pmod{11408}$ except $n = 2945, 3473$
92	32	$n \equiv 1 \text{ or } 9729 \pmod{11776}$
92	33	$n \equiv 1, 529, 4785, 5313, 8097, 8625, 8833, \text{ or } 9361 \pmod{12144}$ except $n = 529, 4785, 5313$
92	34	$n \equiv 1, 1633, 7361, \text{ or } 8993 \pmod{12512}$ except $n = 1633$
92	35	$n \equiv 1, 161, 1841, 8625, 10305, 10465, 11201, \text{ or } 12145 \pmod{12880}$ except $n = 161, 1841$
92	36	$n \equiv 1, 9729, 10305, \text{ or } 12673 \pmod{13248}$
92	37	$n \equiv 1, 2369, 6993, \text{ or } 9361 \pmod{13616}$ except $n = 2369$
92	38	$n \equiv 1, 2945, 9729, \text{ or } 12673 \pmod{13984}$ except $n = 2945$
92	39	$n \equiv 1, 897, 1105, 4785, 5889, 9361, 10465, \text{ or } 14145 \pmod{14352}$ except $n = 897, 1105, 4785, 5889$
92	40	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{14720}$ except $n = 2945, 3841, 6785$
92	41	$n \equiv 1, 369, 13777, \text{ or } 14145 \pmod{15088}$ except $n = 369$

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Table 91: Superspectra for  $p = 92$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
92	42	$n \equiv 1, 897, 4417, 5313, 6049, 10305, 10465, \text{ or } 14721 \pmod{15456}$ except $n = 897, 4417, 5313, 6049$
92	43	$n \equiv 1, 4945, 8257, \text{ or } 12513 \pmod{15824}$ except $n = 4945$
92	44	$n \equiv 1, 5313, 8833, \text{ or } 12673 \pmod{16192}$ except $n = 5313$
92	45	$n \equiv 1, 3105, 3681, 6625, 9361, 10305, 13041, \text{ or } 15985 \pmod{16560}$ except $n = 3105, 3681, 6625$
92	46	$n \equiv 1 \text{ or } 8993 \pmod{16928}$
92	47	$n \equiv 1, 2209, 7521, \text{ or } 9729 \pmod{17296}$ except $n = 2209, 7521$
92	48	$n \equiv 1, 3841, 5889, \text{ or } 9729 \pmod{17664}$ except $n = 3841, 5889$
92	49	$n \equiv 1, 7889, 8625, \text{ or } 17297 \pmod{18032}$ except $n = 7889, 8625$
92	50	$n \equiv 1, 6625, 11201, \text{ or } 17825 \pmod{18400}$ except $n = 6625$
92	51	$n \equiv 1, 1105, 1633, 2737, 12513, 13617, 14145, \text{ or } 15249 \pmod{18768}$ except $n = 1105, 1633, 2737$
92	52	$n \equiv 1, 897, 5889, \text{ or } 14145 \pmod{19136}$ except $n = 897, 5889$
92	53	$n \equiv 1, 6625, 6785, \text{ or } 13409 \pmod{19504}$ except $n = 6625, 6785$
92	54	$n \equiv 1, 3105, 6049, \text{ or } 16929 \pmod{19872}$ except $n = 3105, 6049$
92	55	$n \equiv 1, 1265, 4785, 8625, 9361, 12145, 12881, \text{ or } 16721 \pmod{20240}$ except $n = 1265, 4785, 8625, 9361$
92	56	$n \equiv 1, 897, 14721, \text{ or } 15617 \pmod{20608}$ except $n = 897$
92	57	$n \equiv 1, 2737, 6993, 9729, 9937, 12673, 16929, \text{ or } 19665 \pmod{20976}$ except $n = 2737, 6993, 9729, 9937$
92	58	$n \equiv 1, 12673, 15457, \text{ or } 18561 \pmod{21344}$
92	59	$n \equiv 1, 6785, 7729, \text{ or } 20769 \pmod{21712}$ except $n = 6785, 7729$
92	60	$n \equiv 1, 3841, 10305, 14145, 14721, 17665, 18561, \text{ or } 21505 \pmod{22080}$ except $n = 3841, 10305$
92	61	$n \equiv 1, 4209, 11041, \text{ or } 15617 \pmod{22448}$ except $n = 4209, 11041$
92	62	$n \equiv 1, 2945, 14881, \text{ or } 17825 \pmod{22816}$ except $n = 2945$

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Table 91: Superspectra for  $p = 92$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
92	63	$n \equiv 1, 2737, 6049, 6993, 10305, 13041, 16353, \text{ or } 19873 \pmod{23184}$ except $n = 2737, 6049, 6993, 10305$
92	64	$n \equiv 1 \text{ or } 21505 \pmod{23552}$
92	65	$n \equiv 1, 1105, 4785, 5681, 9361, 10465, 14145, \text{ or } 20241 \pmod{23920}$ except $n = 1105, 4785, 5681, 9361, 10465$
92	66	$n \equiv 1, 5313, 8097, 8833, 12673, 16929, 20769, \text{ or } 21505 \pmod{24288}$ except $n = 5313, 8097, 8833$
92	67	$n \equiv 1, 737, 19297, \text{ or } 20033 \pmod{24656}$ except $n = 737$
92	68	$n \equiv 1, 7361, 14145, \text{ or } 21505 \pmod{25024}$ except $n = 7361$
92	69	$n \equiv 1, 529, 16929, \text{ or } 17457 \pmod{25392}$ except $n = 529$
92	70	$n \equiv 1, 161, 10305, 10465, 11201, 14721, 21505, \text{ or } 25025 \pmod{25760}$ except $n = 161, 10305, 10465, 11201$
92	71	$n \equiv 1, 1633, 5681, \text{ or } 22081 \pmod{26128}$ except $n = 1633, 5681$
92	72	$n \equiv 1, 9729, 12673, \text{ or } 23553 \pmod{26496}$ except $n = 9729, 12673$
92	73	$n \equiv 1, 8833, 16353, \text{ or } 25185 \pmod{26864}$ except $n = 8833$
92	74	$n \equiv 1, 2369, 20609, \text{ or } 22977 \pmod{27232}$ except $n = 2369$
92	75	$n \equiv 1, 2001, 6625, 8625, 9201, 15825, 20401, \text{ or } 27025 \pmod{27600}$ except $n = 2001, 6625, 8625, 9201$
92	76	$n \equiv 1, 2945, 9729, \text{ or } 12673 \pmod{27968}$ except $n = 2945, 9729, 12673$
92	77	$n \equiv 1, 5313, 8625, 12145, 12881, 20769, 21505, \text{ or } 25025 \pmod{28336}$ except $n = 5313, 8625, 12145, 12881$
92	78	$n \equiv 1, 897, 5889, 10465, 14145, 15457, 19137, \text{ or } 23713 \pmod{28704}$ except $n = 897, 5889, 10465, 14145$
92	79	$n \equiv 1, 1265, 15089, \text{ or } 16353 \pmod{29072}$ except $n = 1265$
92	80	$n \equiv 1, 3841, 17665, \text{ or } 21505 \pmod{29440}$ except $n = 3841$
92	81	$n \equiv 1, 13041, 16929, \text{ or } 25921 \pmod{29808}$ except $n = 13041$
92	82	$n \equiv 1, 14145, 15457, \text{ or } 28865 \pmod{30176}$ except $n = 14145$

*continued on next page*

Table 91: Superspectra for  $p = 92$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
92	83	$n \equiv 1, 5313, 19505, \text{ or } 24817 \pmod{30544}$ except $n = 5313$
92	84	$n \equiv 1, 897, 4417, 5313, 10305, 14721, 21505, \text{ or } 25921 \pmod{30912}$ except $n = 897, 4417, 5313, 10305, 14721$
92	85	$n \equiv 1, 1105, 7361, 14145, 20401, 21505, 25025, \text{ or } 27761 \pmod{31280}$ except $n = 1105, 7361, 14145$
92	86	$n \equiv 1, 8257, 12513, \text{ or } 20769 \pmod{31648}$ except $n = 8257, 12513$
92	87	$n \equiv 1, 2001, 4785, 12673, 15457, 18561, 21345, \text{ or } 29233 \pmod{32016}$ except $n = 2001, 4785, 12673, 15457$
92	88	$n \equiv 1, 8833, 12673, \text{ or } 21505 \pmod{32384}$ except $n = 8833, 12673$
92	89	$n \equiv 1, 13617, 17089, \text{ or } 30705 \pmod{32752}$ except $n = 13617$
92	90	$n \equiv 1, 3105, 3681, 6625, 10305, 25921, 29601, \text{ or } 32545 \pmod{33120}$ except $n = 3105, 3681, 6625, 10305$
92	91	$n \equiv 1, 897, 9569, 10465, 15457, 18929, 25025, \text{ or } 28497 \pmod{33488}$ except $n = 897, 9569, 10465, 15457$
92	92	$n \equiv 1 \text{ or } 25921 \pmod{33856}$
92	93	$n \equiv 1, 6417, 11409, 14353, 14881, 25761, 26289, \text{ or } 29233 \pmod{34224}$ except $n = 6417, 11409, 14353, 14881$
92	94	$n \equiv 1, 2209, 7521, \text{ or } 9729 \pmod{34592}$ except $n = 2209, 7521, 9729$
92	95	$n \equiv 1, 2945, 5681, 13985, 16721, 19665, 23921, \text{ or } 30705 \pmod{34960}$ except $n = 2945, 5681, 13985, 16721$
92	96	$n \equiv 1, 9729, 21505, \text{ or } 23553 \pmod{35328}$ except $n = 9729$
92	97	$n \equiv 1, 3105, 12513, \text{ or } 15617 \pmod{35696}$ except $n = 3105, 12513, 15617$
92	98	$n \equiv 1, 25921, 26657, \text{ or } 35329 \pmod{36064}$
92	99	$n \equiv 1, 9361, 12673, 16929, 20241, 29601, 32913, \text{ or } 33121 \pmod{36432}$ except $n = 9361, 12673, 16929$
92	100	$n \equiv 1, 11201, 25025, \text{ or } 36225 \pmod{36800}$ except $n = 11201$
92	101	$n \equiv 1, 25553, 30705, \text{ or } 32017 \pmod{37168}$

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Table 91: Superspectra for  $p = 92$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
92	102	$n \equiv 1, 1633, 12513, 14145, 19873, 21505, 32385, \text{ or } 34017 \pmod{37536}$ except $n = 1633, 12513, 14145$
92	103	$n \equiv 1, 2369, 4945, \text{ or } 35329 \pmod{37904}$ except $n = 2369, 4945$
92	104	$n \equiv 1, 897, 5889, \text{ or } 33281 \pmod{38272}$ except $n = 897, 5889$
92	105	$n \equiv 1, 8625, 10305, 10465, 12145, 13041, 14721, 21505, 23185,$ $24081, 25761, 25921, 27601, 36225, 36961, \text{ or } 37905 \pmod{38640}$ except $n = 8625, 10305, 10465, 12145, 13041, 14721$
92	106	$n \equiv 1, 6625, 6785, \text{ or } 13409 \pmod{39008}$ except $n = 6625, 6785, 13409$
92	107	$n \equiv 1, 12305, 24289, \text{ or } 27393 \pmod{39376}$ except $n = 12305$
92	108	$n \equiv 1, 22977, 25921, \text{ or } 36801 \pmod{39744}$
92	109	$n \equiv 1, 7521, 10465, \text{ or } 37169 \pmod{40112}$ except $n = 7521, 10465$
92	110	$n \equiv 1, 21505, 25025, 28865, 29601, 32385, 33121, \text{ or } 36961 \pmod{40480}$
92	111	$n \equiv 1, 6993, 9361, 13617, 15985, 22977, 29601, \text{ or } 34225 \pmod{40848}$ except $n = 6993, 9361, 13617, 15985$
92	112	$n \equiv 1, 15617, 21505, \text{ or } 35329 \pmod{41216}$ except $n = 15617$
92	113	$n \equiv 1, 18193, 27233, \text{ or } 32545 \pmod{41584}$ except $n = 18193$
92	114	$n \equiv 1, 9729, 12673, 16929, 23713, 27969, 30913, \text{ or } 40641 \pmod{41952}$ except $n = 9729, 12673, 16929$
92	115	$n \equiv 1, 8465, 25921, \text{ or } 34385 \pmod{42320}$ except $n = 8465$
92	116	$n \equiv 1, 12673, 18561, \text{ or } 36801 \pmod{42688}$ except $n = 12673, 18561$
92	117	$n \equiv 1, 9361, 20241, 29601, 29809, 33489, 39169, \text{ or } 42849 \pmod{43056}$ except $n = 9361, 20241$
92	118	$n \equiv 1, 6785, 20769, \text{ or } 29441 \pmod{43424}$ except $n = 6785, 20769$
92	119	$n \equiv 1, 2737, 7889, 19873, 21505, 25025, 26657, \text{ or } 38641 \pmod{43792}$ except $n = 2737, 7889, 19873, 21505$
92	120	$n \equiv 1, 3841, 14721, 17665, 18561, 21505, 32385, \text{ or } 36225 \pmod{44160}$ except $n = 3841, 14721, 17665, 18561, 21505$
92	121	$n \equiv 1, 8833, 32913, \text{ or } 41745 \pmod{44528}$ except $n = 8833$

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Table 91: Superspectra for  $p = 92$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
92	122	$n \equiv 1, 11041, 15617, \text{ or } 26657 \pmod{44896}$ except $n = 11041, 15617$
92	123	$n \equiv 1, 369, 13777, 14145, 15457, 29233, 30177, \text{ or } 43953 \pmod{45264}$ except $n = 369, 13777, 14145, 15457$
92	124	$n \equiv 1, 2945, 37697, \text{ or } 40641 \pmod{45632}$ except $n = 2945$
92	125	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{46000}$ except $n = 2001, 6625, 8625$
92	126	$n \equiv 1, 6049, 10305, 16353, 19873, 25921, 30177, \text{ or } 36225 \pmod{46368}$ except $n = 6049, 10305, 16353, 19873$
92	127	$n \equiv 1, 26289, 32385, \text{ or } 40641 \pmod{46736}$
92	128	$n \equiv 1 \text{ or } 45057 \pmod{47104}$

Table 92: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 93$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	2	$n \equiv 1, 217, 249, \text{ or } 465 \pmod{744}$ except $n = 217, 249$
93	3	$n \equiv 1, 217, 621, \text{ or } 837 \pmod{1116}$ except $n = 217$
93	4	$n \equiv 1, 465, 961, \text{ or } 993 \pmod{1488}$ except $n = 465$
93	5	$n \equiv 1, 465, 621, 745, 961, 1365, 1581, \text{ or } 1705 \pmod{1860}$ except $n = 465, 621, 745$
93	6	$n \equiv 1, 217, 1737, \text{ or } 1953 \pmod{2232}$ except $n = 217$
93	7	$n \equiv 1, 217, 589, 1365, 1737, 1953, 2233, \text{ or } 2325 \pmod{2604}$ except $n = 217, 589$
93	8	$n \equiv 1, 961, 993, \text{ or } 1953 \pmod{2976}$ except $n = 961, 993$
93	9	$n \equiv 1, 217, 621, \text{ or } 837 \pmod{3348}$ except $n = 217, 621, 837$
93	10	$n \equiv 1, 465, 745, 961, 1705, 2481, 3225, \text{ or } 3441 \pmod{3720}$ except $n = 465, 745, 961, 1705$

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Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	11	$n \equiv 1, 837, 1365, 1705, 2233, 3069, 3565, \text{ or } 3597 \pmod{4092}$ except $n = 837, 1365, 1705$
93	12	$n \equiv 1, 1953, 2449, \text{ or } 3969 \pmod{4464}$ except $n = 1953$
93	13	$n \equiv 1, 1209, 1365, 2821, 2977, 3069, 3225, \text{ or } 4681 \pmod{4836}$ except $n = 1209, 1365$
93	14	$n \equiv 1, 217, 1737, 1953, 2233, 3193, 3969, \text{ or } 4929 \pmod{5208}$ except $n = 217, 1737, 1953, 2233$
93	15	$n \equiv 1, 621, 3565, 4185, 4465, 4681, 5085, \text{ or } 5301 \pmod{5580}$ except $n = 621$
93	16	$n \equiv 1, 961, 3969, \text{ or } 4929 \pmod{5952}$ except $n = 961$
93	17	$n \equiv 1, 1581, 2109, 2449, 3349, 4557, 5457, \text{ or } 5797 \pmod{6324}$ except $n = 1581, 2109, 2449$
93	18	$n \equiv 1, 217, 3969, \text{ or } 4185 \pmod{6696}$ except $n = 217$
93	19	$n \equiv 1, 589, 837, 2109, 3193, 4465, 4713, \text{ or } 5301 \pmod{7068}$ except $n = 589, 837, 2109, 3193$
93	20	$n \equiv 1, 465, 961, 2481, 3441, 4465, 5425, \text{ or } 6945 \pmod{7440}$ except $n = 465, 961, 2481, 3441$
93	21	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 5797, \text{ or } 7533 \pmod{7812}$ except $n = 217, 1737, 1953, 2233$
93	22	$n \equiv 1, 1705, 2233, 4929, 5457, 7161, 7657, \text{ or } 7689 \pmod{8184}$ except $n = 1705, 2233$
93	23	$n \equiv 1, 93, 621, 2853, 3565, 5797, 6325, \text{ or } 6417 \pmod{8556}$ except $n = 93, 621, 2853, 3565$
93	24	$n \equiv 1, 1953, 3969, \text{ or } 6913 \pmod{8928}$ except $n = 1953, 3969$
93	25	$n \equiv 1, 2325, 3225, 5301, 5425, 6201, 6325, \text{ or } 8401 \pmod{9300}$ except $n = 2325, 3225$
93	26	$n \equiv 1, 1209, 2977, 3225, 4681, 6201, 7657, \text{ or } 7905 \pmod{9672}$ except $n = 1209, 2977, 3225, 4681$
93	27	$n \equiv 1, 3565, 3969, \text{ or } 7533 \pmod{10044}$ except $n = 3565, 3969$

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Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	28	$n \equiv 1, 1953, 3969, 4929, 5425, 6945, 7441, \text{ or } 8401 \pmod{10416}$ except $n = 1953, 3969, 4929$
93	29	$n \equiv 1, 465, 2233, 2697, 3597, 5829, 7657, \text{ or } 9889 \pmod{10788}$ except $n = 465, 2233, 2697, 3597$
93	30	$n \equiv 1, 4185, 4465, 4681, 6201, 9145, 10665, \text{ or } 10881 \pmod{11160}$ except $n = 4185, 4465, 4681$
93	31	$n \equiv 1, 961, 7689, \text{ or } 8649 \pmod{11532}$ except $n = 961$
93	32	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{11904}$ except $n = 3969$
93	33	$n \equiv 1, 837, 2233, 3069, 3565, 5797, 9549, \text{ or } 11781 \pmod{12276}$ except $n = 837, 2233, 3069, 3565, 5797$
93	34	$n \equiv 1, 2449, 5457, 7905, 8433, 9673, 10881, \text{ or } 12121 \pmod{12648}$ except $n = 2449, 5457$
93	35	$n \equiv 1, 1365, 2325, 2605, 2821, 4341, 5425, 6945, 7161,$ $7441, 8401, 9765, 10045, 11005, 11781, \text{ or } 12741 \pmod{13020}$ except $n = 1365, 2325, 2605, 2821, 4341, 5425$
93	36	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{13392}$ except $n = 3969$
93	37	$n \equiv 1, 1333, 2109, 3441, 6697, 8029, 9177, \text{ or } 10509 \pmod{13764}$ except $n = 1333, 2109, 3441, 6697$
93	38	$n \equiv 1, 3193, 4465, 4713, 7657, 7905, 9177, \text{ or } 12369 \pmod{14136}$ except $n = 3193, 4465, 4713$
93	39	$n \equiv 1, 3069, 4681, 6201, 7813, 10881, 12493, \text{ or } 12897 \pmod{14508}$ except $n = 3069, 4681, 6201$
93	40	$n \equiv 1, 961, 6945, 7905, 9921, 10881, 11905, \text{ or } 12865 \pmod{14880}$ except $n = 961, 6945$
93	41	$n \equiv 1, 3813, 3937, 5085, 9021, 10045, 13981, \text{ or } 15129 \pmod{15252}$ except $n = 3813, 3937, 5085$
93	42	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 13609, \text{ or } 15345 \pmod{15624}$ except $n = 217, 1737, 1953, 2233, 3969$

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Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	43	$n \equiv 1, 1333, 3225, 3441, 8557, 8773, 10665, \text{ or } 11997 \pmod{15996}$ except $n = 1333, 3225, 3441$
93	44	$n \equiv 1, 4929, 5457, 9889, 10417, 15345, 15841, \text{ or } 15873 \pmod{16368}$ except $n = 4929, 5457$
93	45	$n \equiv 1, 621, 3565, 4185, 10045, 10261, 10665, \text{ or } 10881 \pmod{16740}$ except $n = 621, 3565, 4185$
93	46	$n \equiv 1, 6417, 8649, 9177, 11409, 12121, 14353, \text{ or } 14881 \pmod{17112}$ except $n = 6417$
93	47	$n \equiv 1, 2821, 4465, 5829, 7285, 8649, 10293, \text{ or } 13113 \pmod{17484}$ except $n = 2821, 4465, 5829, 7285, 8649$
93	48	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{17856}$ except $n = 3969, 6913$
93	49	$n \equiv 1, 589, 3969, 4557, 10045, 10633, 12153, \text{ or } 12741 \pmod{18228}$ except $n = 589, 3969, 4557$
93	50	$n \equiv 1, 3225, 5425, 6201, 8401, 11625, 14601, \text{ or } 15625 \pmod{18600}$ except $n = 3225, 5425, 6201, 8401$
93	51	$n \equiv 1, 2449, 3349, 5797, 8433, 10881, 11781, \text{ or } 14229 \pmod{18972}$ except $n = 2449, 3349, 5797, 8433$
93	52	$n \equiv 1, 2977, 7905, 10881, 12897, 14353, 15873, \text{ or } 17329 \pmod{19344}$ except $n = 2977, 7905$
93	53	$n \equiv 1, 4929, 5301, 6201, 6573, 18073, 18445, \text{ or } 19345 \pmod{19716}$ except $n = 4929, 5301, 6201, 6573$
93	54	$n \equiv 1, 3969, 13609, \text{ or } 17577 \pmod{20088}$ except $n = 3969$
93	55	$n \equiv 1, 1365, 1705, 3565, 6325, 7161, 8185, 9021, 11781,$ $13641, 13981, 15345, 15841, 17205, 18601, \text{ or } 19965 \pmod{20460}$ except $n = 1365, 1705, 3565, 6325, 7161, 8185, 9021$
93	56	$n \equiv 1, 1953, 3969, 4929, 6945, 15841, 17857, \text{ or } 18817 \pmod{20832}$ except $n = 1953, 3969, 4929, 6945$
93	57	$n \equiv 1, 837, 4465, 5301, 10261, 11781, 14725, \text{ or } 16245 \pmod{21204}$ except $n = 837, 4465, 5301, 10261$

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Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	58	$n \equiv 1, 465, 2233, 2697, 7657, 9889, 14385, \text{ or } 16617 \pmod{21576}$ except $n = 465, 2233, 2697, 7657, 9889$
93	59	$n \equiv 1, 3069, 7317, 9145, 13393, 16461, 17701, \text{ or } 20709 \pmod{21948}$ except $n = 3069, 7317, 9145$
93	60	$n \equiv 1, 4465, 10881, 15345, 15841, 17361, 20305, \text{ or } 21825 \pmod{22320}$ except $n = 4465, 10881$
93	61	$n \equiv 1, 1953, 3721, 5673, 9517, 13237, 15129, \text{ or } 18849 \pmod{22692}$ except $n = 1953, 3721, 5673, 9517$
93	62	$n \equiv 1, 961, 7689, \text{ or } 8649 \pmod{23064}$ except $n = 961, 7689, 8649$
93	63	$n \equiv 1, 217, 3969, 7533, 10045, 13609, 17361, \text{ or } 17577 \pmod{23436}$ except $n = 217, 3969, 7533, 10045$
93	64	$n \equiv 1, 6913, 15873, \text{ or } 22785 \pmod{23808}$ except $n = 6913$
93	65	$n \equiv 1, 1365, 2821, 3225, 4681, 6045, 6201, 7905, 8061,$ $10881, 12741, 17485, 19345, 22165, 22321, \text{ or } 24025 \pmod{24180}$ except $n = 1365, 2821, 3225, 4681, 6045,$ $6201, 7905, 8061, 10881$
93	66	$n \equiv 1, 2233, 13113, 15345, 15841, 18073, 21825, \text{ or } 24057 \pmod{24552}$ except $n = 2233$
93	67	$n \equiv 1, 2077, 4557, 5829, 12865, 14137, 16617, \text{ or } 18693 \pmod{24924}$ except $n = 2077, 4557, 5829$
93	68	$n \equiv 1, 2449, 5457, 7905, 8433, 10881, 22321, \text{ or } 24769 \pmod{25296}$ except $n = 2449, 5457, 7905, 8433, 10881$
93	69	$n \equiv 1, 621, 2853, 3565, 5797, 6417, 8649, \text{ or } 23437 \pmod{25668}$ except $n = 621, 2853, 3565, 5797, 6417, 8649$
93	70	$n \equiv 1, 5425, 6945, 7161, 7441, 8401, 14385, 15345, 15625,$ $15841, 17361, 22785, 23065, 24025, 24801, \text{ or } 25761 \pmod{26040}$ except $n = 5425, 6945, 7161, 7441, 8401$
93	71	$n \equiv 1, 1705, 8805, 9301, 10509, 11005, 18105, \text{ or } 19809 \pmod{26412}$ except $n = 1705, 8805, 9301, 10509, 11005$

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Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	72	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{26784}$ except $n = 3969, 6913, 10881$
93	73	$n \equiv 1, 6789, 10293, 14601, 15841, 18105, 19345, \text{ or } 23653 \pmod{27156}$ except $n = 6789, 10293$
93	74	$n \equiv 1, 3441, 6697, 9177, 15097, 15873, 21793, \text{ or } 24273 \pmod{27528}$ except $n = 3441, 6697, 9177$
93	75	$n \equiv 1, 5301, 6201, 14725, 15625, 20925, 21825, \text{ or } 27001 \pmod{27900}$ except $n = 5301, 6201$
93	76	$n \equiv 1, 4465, 7905, 12369, 17329, 18849, 21793, \text{ or } 23313 \pmod{28272}$ except $n = 4465, 7905, 12369$
93	77	$n \equiv 1, 1365, 2233, 4929, 5797, 7161, 9549, 10417, 11781,$ $15345, 15841, 19965, 20461, 24025, 25389, \text{ or } 26257 \pmod{28644}$ except $n = 1365, 2233, 4929, 5797, 7161, 9549, 10417, 11781$
93	78	$n \equiv 1, 4681, 6201, 10881, 12897, 17577, 22321, \text{ or } 27001 \pmod{29016}$ except $n = 4681, 6201, 10881, 12897$
93	79	$n \equiv 1, 1581, 2449, 10665, 11377, 19593, 20461, \text{ or } 22041 \pmod{29388}$ except $n = 1581, 2449, 10665, 11377$
93	80	$n \equiv 1, 961, 9921, 10881, 11905, 12865, 21825, \text{ or } 22785 \pmod{29760}$ except $n = 961, 9921, 10881, 11905, 12865$
93	81	$n \equiv 1, 7533, 13609, \text{ or } 24057 \pmod{30132}$ except $n = 7533, 13609$
93	82	$n \equiv 1, 3937, 15129, 19065, 20337, 24273, 25297, \text{ or } 29233 \pmod{30504}$ except $n = 3937, 15129$
93	83	$n \equiv 1, 249, 2325, 10293, 12865, 20833, 22909, \text{ or } 23157 \pmod{30876}$ except $n = 249, 2325, 10293, 12865$
93	84	$n \equiv 1, 1953, 3969, 15345, 15841, 17361, 17857, \text{ or } 29233 \pmod{31248}$ except $n = 1953, 3969, 15345$
93	85	$n \equiv 1, 1581, 6325, 7905, 10881, 11781, 12121, 17205, 18105,$ $18445, 21081, 21421, 22321, 27405, 27745, \text{ or } 28645 \pmod{31620}$ except $n = 1581, 6325, 7905, 10881, 11781, 12121$

*continued on next page*

Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	86	$n \equiv 1, 3225, 3441, 10665, 17329, 24553, 24769, \text{ or } 27993 \pmod{31992}$ except $n = 3225, 3441, 10665$
93	87	$n \equiv 1, 2233, 22041, 24273, 25173, 27405, 29233, \text{ or } 31465 \pmod{32364}$ except $n = 2233$
93	88	$n \equiv 1, 4929, 9889, 15841, 15873, 21825, 26785, \text{ or } 31713 \pmod{32736}$ except $n = 4929, 9889, 15841, 15873$
93	89	$n \equiv 1, 8277, 11037, 11749, 18601, 22785, 29637, \text{ or } 30349 \pmod{33108}$ except $n = 8277, 11037, 11749$
93	90	$n \equiv 1, 4185, 10665, 10881, 17361, 20305, 26785, \text{ or } 27001 \pmod{33480}$ except $n = 4185, 10665, 10881$
93	91	$n \equiv 1, 1365, 2821, 4837, 7813, 12649, 12741, 17577, 20553,$ $22569, 24025, 25389, 27405, 28861, 30381, \text{ or } 31837 \pmod{33852}$ except $n = 1365, 2821, 4837, 7813, 12649, 12741$
93	92	$n \equiv 1, 6417, 11409, 14353, 14881, 25761, 26289, \text{ or } 29233 \pmod{34224}$ except $n = 6417, 11409, 14353, 14881$
93	93	$n \equiv 1, 8649, 12493, \text{ or } 30753 \pmod{34596}$ except $n = 8649, 12493$
93	94	$n \equiv 1, 4465, 8649, 13113, 20305, 23313, 24769, \text{ or } 27777 \pmod{34968}$ except $n = 4465, 8649, 13113$
93	95	$n \equiv 1, 4465, 5301, 7905, 10261, 11781, 14725, 16245, 18601,$ $21205, 22041, 26505, 28861, 30381, 31465, \text{ or } 32985 \pmod{35340}$ except $n = 4465, 5301, 7905, 10261, 11781, 14725, 16245$
93	96	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{35712}$ except $n = 3969, 6913, 10881$
93	97	$n \equiv 1, 9021, 11253, 21049, 21825, 23281, 24057, \text{ or } 33853 \pmod{36084}$ except $n = 9021, 11253$
93	98	$n \equiv 1, 3969, 10633, 12153, 18817, 22785, 28273, \text{ or } 30969 \pmod{36456}$ except $n = 3969, 10633, 12153$
93	99	$n \equiv 1, 837, 3565, 24057, 26785, 27621, 30349, \text{ or } 34101 \pmod{36828}$ except $n = 837, 3565$

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Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	100	$n \equiv 1, 5425, 8401, 21825, 24801, 30225, 33201, \text{ or } 34225 \pmod{37200}$ except $n = 5425, 8401$
93	101	$n \equiv 1, 9393, 12121, 12525, 22321, 24645, 34441, \text{ or } 34845 \pmod{37572}$ except $n = 9393, 12121, 12525$
93	102	$n \equiv 1, 2449, 8433, 10881, 22321, 24769, 30753, \text{ or } 33201 \pmod{37944}$ except $n = 2449, 8433, 10881$
93	103	$n \equiv 1, 3193, 9889, 18849, 25545, 28737, 31621, \text{ or } 35433 \pmod{38316}$ except $n = 3193, 9889, 18849$
93	104	$n \equiv 1, 2977, 7905, 10881, 12897, 15873, 33697, \text{ or } 36673 \pmod{38688}$ except $n = 2977, 7905, 10881, 12897, 15873$
93	105	$n \equiv 1, 9765, 10045, 11781, 15345, 15625, 15841, 17361, 21421,$ $27405, 31465, 32985, 33201, 33481, 37045, \text{ or } 38781 \pmod{39060}$ except $n = 9765, 10045, 11781, 15345, 15625, 15841, 17361$
93	106	$n \equiv 1, 4929, 6201, 18073, 19345, 25017, 26289, \text{ or } 38161 \pmod{39432}$ except $n = 4929, 6201, 18073, 19345$
93	107	$n \equiv 1, 5457, 13269, 16585, 24397, 29853, 31993, \text{ or } 37665 \pmod{39804}$ except $n = 5457, 13269, 16585$
93	108	$n \equiv 1, 3969, 33697, \text{ or } 37665 \pmod{40176}$ except $n = 3969$
93	109	$n \equiv 1, 3597, 6541, 10137, 17113, 23653, 27033, \text{ or } 33573 \pmod{40548}$ except $n = 3597, 6541, 10137, 17113$
93	110	$n \equiv 1, 1705, 7161, 8185, 13641, 15345, 15841, 18601, 21825,$ $24025, 26785, 29481, 32241, 34441, 37665, \text{ or } 40425 \pmod{40920}$ except $n = 1705, 7161, 8185, 13641, 15345, 15841, 18601$
93	111	$n \equiv 1, 1333, 6697, 8029, 22941, 24273, 29637, \text{ or } 30969 \pmod{41292}$ except $n = 1333, 6697, 8029$
93	112	$n \equiv 1, 3969, 4929, 17857, 18817, 22785, 27777, \text{ or } 36673 \pmod{41664}$ except $n = 3969, 4929, 17857, 18817$
93	113	$n \equiv 1, 5085, 5425, 10509, 14013, 19437, 33109, \text{ or } 38533 \pmod{42036}$ except $n = 5085, 5425, 10509, 14013, 19437$

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Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	114	$n \equiv 1, 4465, 22041, 26505, 31465, 32985, 35929, \text{ or } 37449 \pmod{42408}$ except $n = 4465$
93	115	$n \equiv 1, 621, 3565, 6325, 12121, 14881, 17205, 19965, 25761,$ $28521, 31465, 32085, 34225, 34845, 40021, \text{ or } 40641 \pmod{42780}$ except $n = 621, 3565, 6325, 12121, 14881, 17205, 19965$
93	116	$n \equiv 1, 465, 9889, 14385, 23809, 24273, 29233, \text{ or } 38193 \pmod{43152}$ except $n = 465, 9889, 14385$
93	117	$n \equiv 1, 10881, 17577, 20709, 27001, 27405, 33697, \text{ or } 36829 \pmod{43524}$ except $n = 10881, 17577, 20709$
93	118	$n \equiv 1, 9145, 13393, 25017, 29265, 38409, 39649, \text{ or } 42657 \pmod{43896}$ except $n = 9145, 13393$
93	119	$n \equiv 1, 4557, 5797, 11781, 12649, 14757, 18445, 20553, 21421,$ $27405, 28645, 33201, 34069, 36177, 41293, \text{ or } 43401 \pmod{44268}$ except $n = 4557, 5797, 11781, 12649, 14757, 18445, 20553, 21421$
93	120	$n \equiv 1, 10881, 15841, 21825, 26785, 37665, 39681, \text{ or } 42625 \pmod{44640}$ except $n = 10881, 15841, 21825$
93	121	$n \equiv 1, 11253, 19965, 21297, 26257, 30009, 34969, \text{ or } 36301 \pmod{45012}$ except $n = 11253, 19965, 21297$
93	122	$n \equiv 1, 1953, 3721, 5673, 15129, 18849, 32209, \text{ or } 35929 \pmod{45384}$ except $n = 1953, 3721, 5673, 15129, 18849$
93	123	$n \equiv 1, 5085, 10045, 15129, 19189, 24273, 29233, \text{ or } 34317 \pmod{45756}$ except $n = 5085, 10045, 15129, 19189$
93	124	$n \equiv 1, 961, 30753, \text{ or } 31713 \pmod{46128}$ except $n = 961$
93	125	$n \equiv 1, 11625, 15501, 15625, 27001, 31125, 42501, \text{ or } 42625 \pmod{46500}$ except $n = 11625, 15501, 15625$
93	126	$n \equiv 1, 217, 3969, 13609, 17361, 17577, 30969, \text{ or } 33481 \pmod{46872}$ except $n = 217, 3969, 13609, 17361, 17577$
93	127	$n \equiv 1, 3937, 9145, 26289, 31497, 35433, 40641, \text{ or } 42037 \pmod{47244}$ except $n = 3937, 9145$

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Table 92: Superspectra for  $p = 93$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
93	128	$n \equiv 1, 15873, 30721, \text{ or } 46593 \pmod{47616}$ except $n = 15873$

Table 93: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 94$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
94	2	$n \equiv 1 \text{ or } 705 \pmod{752}$
94	3	$n \equiv 1, 705, 753, \text{ or } 1081 \pmod{1128}$
94	4	$n \equiv 1 \text{ or } 705 \pmod{1504}$ except $n = 705$
94	5	$n \equiv 1, 705, 1081, \text{ or } 1505 \pmod{1880}$ except $n = 705$
94	6	$n \equiv 1, 705, 753, \text{ or } 2209 \pmod{2256}$ except $n = 705, 753$
94	7	$n \equiv 1, 329, 1457, \text{ or } 1505 \pmod{2632}$ except $n = 329$
94	8	$n \equiv 1 \text{ or } 705 \pmod{3008}$ except $n = 705$
94	9	$n \equiv 1, 1081, 1881, \text{ or } 2961 \pmod{3384}$ except $n = 1081$
94	10	$n \equiv 1, 705, 1505, \text{ or } 2961 \pmod{3760}$ except $n = 705, 1505$
94	11	$n \equiv 1, 705, 1881, \text{ or } 2585 \pmod{4136}$ except $n = 705, 1881$
94	12	$n \equiv 1, 705, 2209, \text{ or } 3009 \pmod{4512}$ except $n = 705, 2209$
94	13	$n \equiv 1, 377, 1457, \text{ or } 1833 \pmod{4888}$ except $n = 377, 1457, 1833$
94	14	$n \equiv 1, 1457, 1505, \text{ or } 2961 \pmod{5264}$ except $n = 1457, 1505$
94	15	$n \equiv 1, 705, 1081, 1881, 2961, 3385, 4465, \text{ or } 5265 \pmod{5640}$ except $n = 705, 1081, 1881$
94	16	$n \equiv 1 \text{ or } 3713 \pmod{6016}$
94	17	$n \equiv 1, 2585, 3009, \text{ or } 5593 \pmod{6392}$ except $n = 2585, 3009$
94	18	$n \equiv 1, 2961, 4465, \text{ or } 5265 \pmod{6768}$ except $n = 2961$
94	19	$n \equiv 1, 1881, 2585, \text{ or } 4465 \pmod{7144}$ except $n = 1881, 2585$
94	20	$n \equiv 1, 705, 1505, \text{ or } 6721 \pmod{7520}$ except $n = 705, 1505$

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Table 93: Superspectra for  $p = 94$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
94	21	$n \equiv 1, 2961, 4089, 4137, 5265, 5593, 6721, \text{ or } 6769 \pmod{7896}$ except $n = 2961$
94	22	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{8272}$ except $n = 705$
94	23	$n \equiv 1, 1081, 2209, \text{ or } 7521 \pmod{8648}$ except $n = 1081, 2209$
94	24	$n \equiv 1, 705, 3009, \text{ or } 6721 \pmod{9024}$ except $n = 705, 3009$
94	25	$n \equiv 1, 8225, 8601, \text{ or } 9025 \pmod{9400}$
94	26	$n \equiv 1, 1457, 5265, \text{ or } 6721 \pmod{9776}$ except $n = 1457$
94	27	$n \equiv 1, 1081, 5265, \text{ or } 6345 \pmod{10152}$ except $n = 1081$
94	28	$n \equiv 1, 1505, 6721, \text{ or } 8225 \pmod{10528}$ except $n = 1505$
94	29	$n \equiv 1, 377, 3713, \text{ or } 4089 \pmod{10904}$ except $n = 377, 3713, 4089$
94	30	$n \equiv 1, 705, 2961, 4465, 5265, 6721, 7521, \text{ or } 9025 \pmod{11280}$ except $n = 705, 2961, 4465, 5265$
94	31	$n \equiv 1, 1457, 4465, \text{ or } 8649 \pmod{11656}$ except $n = 1457, 4465$
94	32	$n \equiv 1 \text{ or } 9729 \pmod{12032}$
94	33	$n \equiv 1, 705, 1881, 4137, 6721, 8977, 10153, \text{ or } 10857 \pmod{12408}$ except $n = 705, 1881, 4137$
94	34	$n \equiv 1, 3009, 8977, \text{ or } 11985 \pmod{12784}$ except $n = 3009$
94	35	$n \equiv 1, 1505, 2961, 5265, 6721, 8225, 9401, \text{ or } 11985 \pmod{13160}$ except $n = 1505, 2961, 5265$
94	36	$n \equiv 1, 9729, 11233, \text{ or } 12033 \pmod{13536}$
94	37	$n \equiv 1, 2257, 2961, \text{ or } 5217 \pmod{13912}$ except $n = 2257, 2961, 5217$
94	38	$n \equiv 1, 4465, 9025, \text{ or } 9729 \pmod{14288}$ except $n = 4465$
94	39	$n \equiv 1, 1833, 5265, 6345, 6721, 9777, 10153, \text{ or } 11233 \pmod{14664}$ except $n = 1833, 5265, 6345, 6721$
94	40	$n \equiv 1, 705, 6721, \text{ or } 9025 \pmod{15040}$ except $n = 705, 6721$
94	41	$n \equiv 1, 329, 13161, \text{ or } 13489 \pmod{15416}$ except $n = 329$

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Table 93: Superspectra for  $p = 94$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
94	42	$n \equiv 1, 2961, 5265, 6721, 6769, 11985, 12033, \text{ or } 13489 \pmod{15792}$ except $n = 2961, 5265, 6721, 6769$
94	43	$n \equiv 1, 1505, 8601, \text{ or } 10105 \pmod{16168}$ except $n = 1505$
94	44	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{16544}$ except $n = 705, 6017, 6721$
94	45	$n \equiv 1, 1081, 1881, 2961, 3385, 4465, 5265, \text{ or } 6345 \pmod{16920}$ except $n = 1081, 1881, 2961, 3385, 4465, 5265, 6345$
94	46	$n \equiv 1, 2209, 7521, \text{ or } 9729 \pmod{17296}$ except $n = 2209, 7521$
94	47	$n \equiv 1 \text{ or } 2209 \pmod{17672}$ except $n = 2209$
94	48	$n \equiv 1, 9729, 12033, \text{ or } 15745 \pmod{18048}$
94	49	$n \equiv 1, 16121, 17249, \text{ or } 17297 \pmod{18424}$
94	50	$n \equiv 1, 8225, 9025, \text{ or } 18001 \pmod{18800}$ except $n = 8225, 9025$
94	51	$n \equiv 1, 3009, 5593, 6393, 8977, 11985, 15369, \text{ or } 15793 \pmod{19176}$ except $n = 3009, 5593, 6393, 8977$
94	52	$n \equiv 1, 6721, 11233, \text{ or } 15041 \pmod{19552}$ except $n = 6721$
94	53	$n \equiv 1, 7473, 7897, \text{ or } 19505 \pmod{19928}$ except $n = 7473, 7897$
94	54	$n \equiv 1, 5265, 11233, \text{ or } 16497 \pmod{20304}$ except $n = 5265$
94	55	$n \equiv 1, 705, 1881, 2585, 4841, 6721, 16545, \text{ or } 18425 \pmod{20680}$ except $n = 705, 1881, 2585, 4841, 6721$
94	56	$n \equiv 1, 6721, 12033, \text{ or } 18753 \pmod{21056}$ except $n = 6721$
94	57	$n \equiv 1, 1881, 4465, 9025, 9729, 14289, 16873, \text{ or } 18753 \pmod{21432}$ except $n = 1881, 4465, 9025, 9729$
94	58	$n \equiv 1, 3713, 11281, \text{ or } 14993 \pmod{21808}$ except $n = 3713$
94	59	$n \equiv 1, 3009, 10857, \text{ or } 13865 \pmod{22184}$ except $n = 3009, 10857$
94	60	$n \equiv 1, 705, 6721, 7521, 9025, 14241, 15745, \text{ or } 16545 \pmod{22560}$ except $n = 705, 6721, 7521, 9025$
94	61	$n \equiv 1, 2257, 6345, \text{ or } 8601 \pmod{22936}$ except $n = 2257, 6345, 8601$
94	62	$n \equiv 1, 1457, 4465, \text{ or } 20305 \pmod{23312}$ except $n = 1457, 4465$

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Table 93: Superspectra for  $p = 94$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
94	63	$n \equiv 1, 2961, 5265, 6769, 12033, 14617, 19881, \text{ or } 21385 \pmod{23688}$ except $n = 2961, 5265, 6769$
94	64	$n \equiv 1 \text{ or } 9729 \pmod{24064}$ except $n = 9729$
94	65	$n \equiv 1, 5265, 6345, 6721, 14665, 15041, 16121, \text{ or } 21385 \pmod{24440}$ except $n = 5265, 6345, 6721$
94	66	$n \equiv 1, 705, 6721, 8977, 14289, 16545, 22561, \text{ or } 23265 \pmod{24816}$ except $n = 705, 6721, 8977$
94	67	$n \equiv 1, 15745, 18425, \text{ or } 22513 \pmod{25192}$
94	68	$n \equiv 1, 3009, 21761, \text{ or } 24769 \pmod{25568}$ except $n = 3009$
94	69	$n \equiv 1, 1081, 2209, 7521, 8649, 9729, 10857, \text{ or } 24817 \pmod{25944}$ except $n = 1081, 2209, 7521, 8649, 9729, 10857$
94	70	$n \equiv 1, 1505, 2961, 5265, 6721, 8225, 11985, \text{ or } 22561 \pmod{26320}$ except $n = 1505, 2961, 5265, 6721, 8225, 11985$
94	71	$n \equiv 1, 3337, 10153, \text{ or } 19881 \pmod{26696}$ except $n = 3337, 10153$
94	72	$n \equiv 1, 9729, 12033, \text{ or } 24769 \pmod{27072}$ except $n = 9729, 12033$
94	73	$n \equiv 1, 4089, 19929, \text{ or } 24017 \pmod{27448}$ except $n = 4089$
94	74	$n \equiv 1, 2257, 2961, \text{ or } 5217 \pmod{27824}$ except $n = 2257, 2961, 5217$
94	75	$n \equiv 1, 8601, 9025, 17625, 18001, 18801, 27025, \text{ or } 27825 \pmod{28200}$ except $n = 8601, 9025$
94	76	$n \equiv 1, 9025, 9729, \text{ or } 18753 \pmod{28576}$ except $n = 9025, 9729$
94	77	$n \equiv 1, 4137, 6721, 10857, 17249, 18425, 21385, \text{ or } 22561 \pmod{28952}$ except $n = 4137, 6721, 10857$
94	78	$n \equiv 1, 5265, 6721, 9777, 11233, 16497, 21009, \text{ or } 24817 \pmod{29328}$ except $n = 5265, 6721, 9777, 11233$
94	79	$n \equiv 1, 3713, 9401, \text{ or } 24017 \pmod{29704}$ except $n = 3713, 9401$
94	80	$n \equiv 1, 15745, 21761, \text{ or } 24065 \pmod{30080}$
94	81	$n \equiv 1, 5265, 21385, \text{ or } 26649 \pmod{30456}$ except $n = 5265$
94	82	$n \equiv 1, 13489, 15745, \text{ or } 28577 \pmod{30832}$ except $n = 13489$

*continued on next page*

Table 93: Superspectra for  $p = 94$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
94	83	$n \equiv 1, 19505, 24817, \text{ or } 25897 \pmod{31208}$
94	84	$n \equiv 1, 6721, 12033, 18753, 21057, 22561, 27777, \text{ or } 29281 \pmod{31584}$ except $n = 6721, 12033$
94	85	$n \equiv 1, 2585, 9401, 11985, 12785, 21761, 22185, \text{ or } 31161 \pmod{31960}$ except $n = 2585, 9401, 11985, 12785$
94	86	$n \equiv 1, 1505, 24769, \text{ or } 26273 \pmod{32336}$ except $n = 1505$
94	87	$n \equiv 1, 4089, 10905, 11281, 14617, 22185, 25521, \text{ or } 25897 \pmod{32712}$ except $n = 4089, 10905, 11281, 14617$
94	88	$n \equiv 1, 705, 6017, \text{ or } 6721 \pmod{33088}$ except $n = 705, 6017, 6721$
94	89	$n \equiv 1, 14241, 15041, \text{ or } 29281 \pmod{33464}$ except $n = 14241, 15041$
94	90	$n \equiv 1, 2961, 4465, 5265, 18001, 18801, 20305, \text{ or } 23265 \pmod{33840}$ except $n = 2961, 4465, 5265$
94	91	$n \equiv 1, 1457, 5265, 6721, 14665, 16121, 19929, \text{ or } 21385 \pmod{34216}$ except $n = 1457, 5265, 6721, 14665, 16121$
94	92	$n \equiv 1, 2209, 7521, \text{ or } 9729 \pmod{34592}$ except $n = 2209, 7521, 9729$
94	93	$n \equiv 1, 4465, 8649, 13113, 20305, 23313, 24769, \text{ or } 27777 \pmod{34968}$ except $n = 4465, 8649, 13113$
94	94	$n \equiv 1 \text{ or } 2209 \pmod{35344}$ except $n = 2209$
94	95	$n \equiv 1, 1881, 2585, 4465, 7145, 9025, 31161, \text{ or } 33041 \pmod{35720}$ except $n = 1881, 2585, 4465, 7145, 9025$
94	96	$n \equiv 1, 9729, 12033, \text{ or } 33793 \pmod{36096}$ except $n = 9729, 12033$
94	97	$n \equiv 1, 31913, 33465, \text{ or } 34921 \pmod{36472}$
94	98	$n \equiv 1, 17249, 17297, \text{ or } 34545 \pmod{36848}$ except $n = 17249, 17297$
94	99	$n \equiv 1, 1881, 10153, 13113, 21385, 23265, 28953, \text{ or } 31537 \pmod{37224}$ except $n = 1881, 10153, 13113$
94	100	$n \equiv 1, 8225, 9025, \text{ or } 36801 \pmod{37600}$ except $n = 8225, 9025$
94	101	$n \equiv 1, 14241, 21009, \text{ or } 31209 \pmod{37976}$ except $n = 14241$

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Table 93: Superspectra for  $p = 94$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
94	102	$n \equiv 1, 3009, 8977, 11985, 15793, 24769, 25569, \text{ or } 34545 \pmod{38352}$ except $n = 3009, 8977, 11985, 15793$
94	103	$n \equiv 1, 4841, 12361, \text{ or } 31209 \pmod{38728}$ except $n = 4841, 12361$
94	104	$n \equiv 1, 6721, 15041, \text{ or } 30785 \pmod{39104}$ except $n = 6721, 15041$
94	105	$n \equiv 1, 2961, 5265, 6721, 11985, 13161, 14665, 19881, 21385,$ $22561, 27825, 29281, 31585, 34545, 35721, \text{ or } 38305 \pmod{39480}$ except $n = 2961, 5265, 6721, 11985, 13161, 14665$
94	106	$n \equiv 1, 7473, 19505, \text{ or } 27825 \pmod{39856}$ except $n = 7473, 19505$
94	107	$n \equiv 1, 11985, 13161, \text{ or } 25145 \pmod{40232}$ except $n = 11985, 13161$
94	108	$n \equiv 1, 11233, 25569, \text{ or } 36801 \pmod{40608}$ except $n = 11233$
94	109	$n \equiv 1, 7521, 7849, \text{ or } 15369 \pmod{40984}$ except $n = 7521, 7849, 15369$
94	110	$n \equiv 1, 705, 6721, 16545, 22561, 23265, 25521, \text{ or } 39105 \pmod{41360}$ except $n = 705, 6721, 16545$
94	111	$n \equiv 1, 2257, 2961, 5217, 16873, 19129, 27825, \text{ or } 30081 \pmod{41736}$ except $n = 2257, 2961, 5217, 16873, 19129$
94	112	$n \equiv 1, 12033, 27777, \text{ or } 39809 \pmod{42112}$ except $n = 12033$
94	113	$n \equiv 1, 15369, 21809, \text{ or } 37177 \pmod{42488}$ except $n = 15369$
94	114	$n \equiv 1, 4465, 9025, 9729, 14289, 18753, 23313, \text{ or } 38305 \pmod{42864}$ except $n = 4465, 9025, 9729, 14289, 18753$
94	115	$n \equiv 1, 1081, 7521, 19505, 25945, 27025, 33465, \text{ or } 36801 \pmod{43240}$ except $n = 1081, 7521, 19505$
94	116	$n \equiv 1, 3713, 33089, \text{ or } 36801 \pmod{43616}$ except $n = 3713$
94	117	$n \equiv 1, 5265, 6345, 10153, 11233, 16497, 21385, \text{ or } 39105 \pmod{43992}$ except $n = 5265, 6345, 10153, 11233, 16497, 21385$
94	118	$n \equiv 1, 3009, 33041, \text{ or } 36049 \pmod{44368}$ except $n = 3009$
94	119	$n \equiv 1, 5593, 9401, 11985, 15793, 34545, 38353, \text{ or } 40937 \pmod{44744}$ except $n = 5593, 9401, 11985, 15793$

*continued on next page*

Table 93: Superspectra for  $p = 94$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
94	120	$n \equiv 1, 705, 6721, 9025, 15745, 30081, 36801, \text{ or } 39105 \pmod{45120}$ except $n = 705, 6721, 9025, 15745$
94	121	$n \equiv 1, 4841, 34969, \text{ or } 39809 \pmod{45496}$ except $n = 4841$
94	122	$n \equiv 1, 2257, 29281, \text{ or } 31537 \pmod{45872}$ except $n = 2257$
94	123	$n \equiv 1, 13161, 13489, 15417, 15745, 28905, 31161, \text{ or } 43993 \pmod{46248}$ except $n = 13161, 13489, 15417, 15745$
94	124	$n \equiv 1, 24769, 27777, \text{ or } 43617 \pmod{46624}$
94	125	$n \equiv 1, 17625, 18001, \text{ or } 46625 \pmod{47000}$ except $n = 17625, 18001$
94	126	$n \equiv 1, 2961, 5265, 6769, 12033, 38305, 43569, \text{ or } 45073 \pmod{47376}$ except $n = 2961, 5265, 6769, 12033$
94	127	$n \equiv 1, 5969, 19177, \text{ or } 34545 \pmod{47752}$ except $n = 5969, 19177$
94	128	$n \equiv 1 \text{ or } 33793 \pmod{48128}$

Table 94: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 95$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	2	$n \equiv 1, 305, 361, \text{ or } 665 \pmod{760}$ except $n = 305, 361$
95	3	$n \equiv 1, 285, 361, 381, 685, 741, 1045, \text{ or } 1065 \pmod{1140}$ except $n = 285, 361, 381$
95	4	$n \equiv 1, 305, 1121, \text{ or } 1425 \pmod{1520}$ except $n = 305$
95	5	$n \equiv 1, 1425, 1501, \text{ or } 1825 \pmod{1900}$
95	6	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
95	7	$n \equiv 1, 665, 1065, 1121, 1141, 2185, 2205, \text{ or } 2261 \pmod{2660}$ except $n = 665, 1065, 1121, 1141$
95	8	$n \equiv 1, 1121, 1825, \text{ or } 2945 \pmod{3040}$ except $n = 1121$

*continued on next page*

Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	9	$n \equiv 1, 361, 685, 1045, 1521, 1881, 2205, \text{ or } 2565 \pmod{3420}$ except $n = 361, 685, 1045, 1521$
95	10	$n \equiv 1, 1425, 1825, \text{ or } 3401 \pmod{3800}$ except $n = 1425, 1825$
95	11	$n \equiv 1, 1045, 1805, 1881, 2585, 2641, 3345, \text{ or } 3421 \pmod{4180}$ except $n = 1045, 1805, 1881$
95	12	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
95	13	$n \equiv 1, 741, 1521, 2185, 2965, 3705, 4161, \text{ or } 4485 \pmod{4940}$ except $n = 741, 1521, 2185$
95	14	$n \equiv 1, 665, 1065, 1121, 2185, 3801, 4865, \text{ or } 4921 \pmod{5320}$ except $n = 665, 1065, 1121, 2185$
95	15	$n \equiv 1, 1425, 1501, 1825, 3325, 3801, 5301, \text{ or } 5625 \pmod{5700}$ except $n = 1425, 1501, 1825$
95	16	$n \equiv 1, 2945, 4161, \text{ or } 4865 \pmod{6080}$ except $n = 2945$
95	17	$n \equiv 1, 1445, 2261, 2585, 3401, 4845, 5321, \text{ or } 5985 \pmod{6460}$ except $n = 1445, 2261, 2585$
95	18	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
95	19	$n \equiv 1, 361, 1445, \text{ or } 1805 \pmod{7220}$ except $n = 361, 1445, 1805$
95	20	$n \equiv 1, 1425, 1825, \text{ or } 7201 \pmod{7600}$ except $n = 1425, 1825$
95	21	$n \equiv 1, 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801,$ $4845, 4921, 5985, 6385, 6441, 7525, \text{ or } 7581 \pmod{7980}$ except $n = 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801$
95	22	$n \equiv 1, 1881, 2585, 2641, 3345, 5225, 5985, \text{ or } 7601 \pmod{8360}$ except $n = 1881, 2585, 2641, 3345$
95	23	$n \equiv 1, 2185, 2945, 4485, 5245, 5681, 6441, \text{ or } 7981 \pmod{8740}$ except $n = 2185, 2945$
95	24	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$

*continued on next page*



Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	25	$n \equiv 1, 1501, 5625, \text{ or } 7125 \pmod{9500}$ except $n = 1501$
95	26	$n \equiv 1, 1521, 2185, 3705, 4161, 5681, 7905, \text{ or } 9425 \pmod{9880}$ except $n = 1521, 2185, 3705, 4161$
95	27	$n \equiv 1, 2565, 3781, 4105, 4941, 7885, 8721, \text{ or } 9045 \pmod{10260}$ except $n = 2565, 3781, 4105, 4941$
95	28	$n \equiv 1, 1121, 4865, 5985, 6385, 7505, 9121, \text{ or } 10241 \pmod{10640}$ except $n = 1121, 4865$
95	29	$n \equiv 1, 1045, 2205, 6061, 7221, 8265, 9425, \text{ or } 9861 \pmod{11020}$ except $n = 1045, 2205$
95	30	$n \equiv 1, 1425, 1825, 3801, 5625, 7201, 9025, \text{ or } 11001 \pmod{11400}$ except $n = 1425, 1825, 3801, 5625$
95	31	$n \equiv 1, 2945, 4465, 5301, 6821, 7905, 9425, \text{ or } 10261 \pmod{11780}$ except $n = 2945, 4465, 5301$
95	32	$n \equiv 1, 2945, 4865, \text{ or } 10241 \pmod{12160}$ except $n = 2945, 4865$
95	33	$n \equiv 1, 1045, 1881, 2641, 3345, 3421, 5985, 6061, 6765,$ $7525, 8361, 9405, 10165, 10945, 11001, \text{ or } 11781 \pmod{12540}$ except $n = 1045, 1881, 2641, 3345, 3421, 5985, 6061$
95	34	$n \equiv 1, 2585, 3401, 5321, 5985, 7905, 8721, \text{ or } 11305 \pmod{12920}$ except $n = 2585, 3401, 5321, 5985$
95	35	$n \equiv 1, 3325, 3725, 3801, 7525, 9101, 12825, \text{ or } 12901 \pmod{13300}$ except $n = 3325, 3725, 3801$
95	36	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
95	37	$n \equiv 1, 741, 4181, 4921, 5625, 6365, 9805, \text{ or } 10545 \pmod{14060}$ except $n = 741, 4181, 4921, 5625, 6365$
95	38	$n \equiv 1, 361, 8665, \text{ or } 9025 \pmod{14440}$ except $n = 361$

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Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	39	$n \equiv 1, 741, 1521, 2185, 2965, 3705, 4161, 4485, 4941,$ $7125, 7905, 10621, 11401, 13585, 14041, \text{ or } 14365 \pmod{14820}$ except $n = 741, 1521, 2185, 2965, 3705,$ $4161, 4485, 4941, 7125$
95	40	$n \equiv 1, 1825, 7201, \text{ or } 9025 \pmod{15200}$ except $n = 1825, 7201$
95	41	$n \equiv 1, 1805, 4921, 6765, 9881, 11685, 12465, \text{ or } 14801 \pmod{15580}$ except $n = 1805, 4921, 6765$
95	42	$n \equiv 1, 1065, 2185, 3801, 4921, 5985, 6385, 6441, 9121,$ $10185, 10641, 11305, 11761, 12825, 15505, \text{ or } 15561 \pmod{15960}$ except $n = 1065, 2185, 3801, 4921, 5985, 6385, 6441$
95	43	$n \equiv 1, 4085, 6365, 7525, 9805, 10621, 12901, \text{ or } 14061 \pmod{16340}$ except $n = 4085, 6365, 7525$
95	44	$n \equiv 1, 2641, 3345, 5985, 7601, 10241, 10945, \text{ or } 13585 \pmod{16720}$ except $n = 2641, 3345, 5985, 7601$
95	45	$n \equiv 1, 5301, 5625, 7201, 7525, 12825, 14725, \text{ or } 15201 \pmod{17100}$ except $n = 5301, 5625, 7201, 7525$
95	46	$n \equiv 1, 2185, 2945, 5681, 6441, 13225, 13985, \text{ or } 16721 \pmod{17480}$ except $n = 2185, 2945, 5681, 6441$
95	47	$n \equiv 1, 1881, 2585, 4465, 7145, 9025, 13301, \text{ or } 15181 \pmod{17860}$ except $n = 1881, 2585, 4465, 7145$
95	48	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
95	49	$n \equiv 1, 2205, 3725, 10241, 11761, 13965, 15485, \text{ or } 17101 \pmod{18620}$ except $n = 2205, 3725$
95	50	$n \equiv 1, 5625, 11001, \text{ or } 16625 \pmod{19000}$ except $n = 5625$
95	51	$n \equiv 1, 4845, 5985, 7905, 8721, 9045, 9861, 11305, 11781,$ $12445, 12921, 14365, 15181, 15505, 16321, \text{ or } 18241 \pmod{19380}$ except $n = 4845, 5985, 7905, 8721, 9045$
95	52	$n \equiv 1, 1521, 4161, 5681, 7905, 9425, 12065, \text{ or } 13585 \pmod{19760}$ except $n = 1521, 4161, 5681, 7905, 9425$

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Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	53	$n \equiv 1, 3021, 5301, 9805, 12085, 15105, 17385, \text{ or } 17861 \pmod{20140}$ except $n = 3021, 5301, 9805$
95	54	$n \equiv 1, 4105, 8721, 12825, 14041, 15201, 18145, \text{ or } 19305 \pmod{20520}$ except $n = 4105, 8721$
95	55	$n \equiv 1, 5225, 7525, 7601, 11001, 15125, 18525, \text{ or } 18601 \pmod{20900}$ except $n = 5225, 7525, 7601$
95	56	$n \equiv 1, 1121, 4865, 5985, 9121, 10241, 17025, \text{ or } 18145 \pmod{21280}$ except $n = 1121, 4865, 5985, 9121, 10241$
95	57	$n \equiv 1, 361, 7221, 7581, 8665, 9025, 15885, \text{ or } 16245 \pmod{21660}$ except $n = 361, 7221, 7581, 8665, 9025$
95	58	$n \equiv 1, 8265, 9425, 12065, 13225, 17081, 18241, \text{ or } 20881 \pmod{22040}$ except $n = 8265, 9425$
95	59	$n \equiv 1, 1121, 4485, 5605, 10621, 12921, 15105, \text{ or } 17405 \pmod{22420}$ except $n = 1121, 4485, 5605, 10621$
95	60	$n \equiv 1, 1425, 1825, 7201, 9025, 15201, 17025, \text{ or } 22401 \pmod{22800}$ except $n = 1425, 1825, 7201, 9025$
95	61	$n \equiv 1, 305, 4941, 12445, 17081, 17385, 18545, \text{ or } 22021 \pmod{23180}$ except $n = 305, 4941$
95	62	$n \equiv 1, 2945, 4465, 7905, 9425, 17081, 18601, \text{ or } 22041 \pmod{23560}$ except $n = 2945, 4465, 7905, 9425$
95	63	$n \equiv 1, 2205, 3781, 5985, 7525, 9045, 11305, 11781, 12825,$ $14365, 15561, 17101, 18145, 18621, 20881, \text{ or } 22401 \pmod{23940}$ except $n = 2205, 3781, 5985, 7525, 9045, 11305, 11781$
95	64	$n \equiv 1, 4865, 10241, \text{ or } 15105 \pmod{24320}$ except $n = 4865, 10241$
95	65	$n \equiv 1, 7125, 9101, 9425, 11401, 18525, 20501, \text{ or } 22725 \pmod{24700}$ except $n = 7125, 9101, 9425, 11401$
95	66	$n \equiv 1, 1881, 2641, 3345, 5985, 8361, 10945, 11001, 13585,$ $15961, 18601, 19305, 20065, 21945, 22705, \text{ or } 24321 \pmod{25080}$ except $n = 1881, 2641, 3345, 5985, 8361, 10945, 11001$

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Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	67	$n \equiv 1, 6365, 7505, 9045, 10185, 21641, 22781, \text{ or } 24321 \pmod{25460}$ except $n = 6365, 7505, 9045, 10185$
95	68	$n \equiv 1, 5985, 7905, 8721, 15505, 16321, 18241, \text{ or } 24225 \pmod{25840}$ except $n = 5985, 7905, 8721$
95	69	$n \equiv 1, 2185, 4485, 5245, 6441, 7981, 11685, 13225, 14421,$ $15181, 17481, 19665, 20425, 22725, 23161, \text{ or } 25461 \pmod{26220}$ except $n = 2185, 4485, 5245, 6441, 7981, 11685$
95	70	$n \equiv 1, 3801, 12825, 16625, 17025, 20825, 22401, \text{ or } 26201 \pmod{26600}$ except $n = 3801, 12825$
95	71	$n \equiv 1, 285, 1065, 5681, 6461, 6745, 12141, \text{ or } 21585 \pmod{26980}$ except $n = 285, 1065, 5681, 6461, 6745, 12141$
95	72	$n \equiv 1, 5985, 7201, 10945, 15201, 18145, 22401, \text{ or } 26145 \pmod{27360}$ except $n = 5985, 7201, 10945$
95	73	$n \equiv 1, 1825, 4161, 7885, 12921, 16645, 18981, \text{ or } 20805 \pmod{27740}$ except $n = 1825, 4161, 7885, 12921$
95	74	$n \equiv 1, 4921, 5625, 10545, 14801, 18241, 20425, \text{ or } 23865 \pmod{28120}$ except $n = 4921, 5625, 10545$
95	75	$n \equiv 1, 1501, 5625, 7125, 9501, 11001, 24625, \text{ or } 26125 \pmod{28500}$ except $n = 1501, 5625, 7125, 9501, 11001$
95	76	$n \equiv 1, 9025, 14801, \text{ or } 23105 \pmod{28880}$ except $n = 9025$
95	77	$n \equiv 1, 5985, 7525, 10165, 10241, 11705, 11781, 14421, 15961,$ $21945, 23485, 23541, 25081, 26125, 27665, \text{ or } 27721 \pmod{29260}$ except $n = 5985, 7525, 10165, 10241, 11705, 11781, 14421$
95	78	$n \equiv 1, 1521, 2185, 3705, 4161, 7905, 11401, 13585, 14041,$ $15561, 17785, 19305, 19761, 21945, 25441, \text{ or } 29185 \pmod{29640}$ except $n = 1521, 2185, 3705, 4161, 7905, 11401, 13585, 14041$
95	79	$n \equiv 1, 1501, 6005, 7505, 9481, 15485, 22041, \text{ or } 28045 \pmod{30020}$ except $n = 1501, 6005, 7505, 9481$
95	80	$n \equiv 1, 9025, 17025, \text{ or } 22401 \pmod{30400}$ except $n = 9025$

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Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	81	$n \equiv 1, 4941, 18145, 23085, 24301, 24625, 29241, \text{ or } 29565 \pmod{30780}$ except $n = 4941$
95	82	$n \equiv 1, 4921, 9881, 12465, 14801, 17385, 22345, \text{ or } 27265 \pmod{31160}$ except $n = 4921, 9881, 12465, 14801$
95	83	$n \equiv 1, 665, 7221, 7885, 13281, 18925, 20501, \text{ or } 26145 \pmod{31540}$ except $n = 665, 7221, 7885, 13281$
95	84	$n \equiv 1, 5985, 6385, 9121, 10641, 11761, 15505, 17025, 18145,$ $19761, 20881, 22401, 26145, 27265, 28785, \text{ or } 31521 \pmod{31920}$ except $n = 5985, 6385, 9121, 10641, 11761, 15505$
95	85	$n \equiv 1, 3401, 20825, 24225, 24701, 28101, 28425, \text{ or } 31825 \pmod{32300}$ except $n = 3401$
95	86	$n \equiv 1, 20425, 22705, 23865, 26145, 26961, 29241, \text{ or } 30401 \pmod{32680}$
95	87	$n \equiv 1, 1045, 2205, 6061, 7221, 8265, 9861, 13225, 18241,$ $19285, 20445, 20881, 22041, 23085, 28101, \text{ or } 31465 \pmod{33060}$ except $n = 1045, 2205, 6061, 7221, 8265, 9861, 13225$
95	88	$n \equiv 1, 5985, 10241, 10945, 19361, 20065, 24321, \text{ or } 30305 \pmod{33440}$ except $n = 5985, 10241, 10945$
95	89	$n \equiv 1, 1425, 6765, 18601, 23941, 25365, 28481, \text{ or } 30705 \pmod{33820}$ except $n = 1425, 6765$
95	90	$n \equiv 1, 5625, 7201, 12825, 15201, 22401, 24625, \text{ or } 31825 \pmod{34200}$ except $n = 5625, 7201, 12825, 15201$
95	91	$n \equiv 1, 2185, 6461, 8645, 9101, 12845, 14365, 15561, 19761,$ $21281, 21945, 23465, 27665, 28861, 30381, \text{ or } 34125 \pmod{34580}$ except $n = 2185, 6461, 8645, 9101, 12845, 14365, 15561$
95	92	$n \equiv 1, 2945, 5681, 13985, 16721, 19665, 23921, \text{ or } 30705 \pmod{34960}$ except $n = 2945, 5681, 13985, 16721$
95	93	$n \equiv 1, 4465, 5301, 7905, 10261, 11781, 14725, 16245, 18601,$ $21205, 22041, 26505, 28861, 30381, 31465, \text{ or } 32985 \pmod{35340}$ except $n = 4465, 5301, 7905, 10261, 11781, 14725, 16245$

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Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	94	$n \equiv 1, 1881, 2585, 4465, 7145, 9025, 31161, \text{ or } 33041 \pmod{35720}$ except $n = 1881, 2585, 4465, 7145, 9025$
95	95	$n \equiv 1, 9025, 14801, \text{ or } 30325 \pmod{36100}$ except $n = 9025, 14801$
95	96	$n \equiv 1, 15105, 17025, 22401, 24321, 27265, 29185, \text{ or } 34561 \pmod{36480}$ except $n = 15105, 17025$
95	97	$n \equiv 1, 10185, 12901, 14745, 17461, 27645, 32205, \text{ or } 32301 \pmod{36860}$ except $n = 10185, 12901, 14745, 17461$
95	98	$n \equiv 1, 10241, 11761, 20825, 22345, 32585, 34105, \text{ or } 35721 \pmod{37240}$ except $n = 10241, 11761$
95	99	$n \equiv 1, 1045, 1881, 3421, 5985, 7525, 8361, 9405, 10945,$ $11781, 15885, 19305, 27721, 31141, 35245, \text{ or } 36081 \pmod{37620}$ except $n = 1045, 1881, 3421, 5985, 7525,$ $8361, 9405, 10945, 11781, 15885$
95	100	$n \equiv 1, 16625, 24625, \text{ or } 30001 \pmod{38000}$ except $n = 16625$
95	101	$n \equiv 1, 6061, 22725, 28785, 30401, 30705, 36461, \text{ or } 36765 \pmod{38380}$ except $n = 6061$
95	102	$n \equiv 1, 5985, 7905, 8721, 11305, 12921, 15505, 16321, 18241,$ $24225, 28425, 29241, 31161, 31825, 33745, \text{ or } 34561 \pmod{38760}$ except $n = 5985, 7905, 8721, 11305, 12921, 15505, 16321, 18241$
95	103	$n \equiv 1, 9785, 11021, 14421, 23485, 25441, 34505, \text{ or } 37905 \pmod{39140}$ except $n = 9785, 11021, 14421$
95	104	$n \equiv 1, 4161, 7905, 12065, 21281, 25441, 29185, \text{ or } 33345 \pmod{39520}$ except $n = 4161, 7905, 12065$
95	105	$n \equiv 1, 3325, 3801, 7525, 12825, 12901, 17025, 17101, 22401,$ $26125, 26601, 29925, 30325, 34125, 35701, \text{ or } 39501 \pmod{39900}$ except $n = 3325, 3801, 7525, 12825, 12901, 17025, 17101$
95	106	$n \equiv 1, 15105, 17385, 23161, 25441, 29945, 32225, \text{ or } 38001 \pmod{40280}$ except $n = 15105, 17385$
95	107	$n \equiv 1, 10165, 11021, 16265, 23541, 27285, 34561, \text{ or } 39805 \pmod{40660}$ except $n = 10165, 11021, 16265$

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Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	108	$n \equiv 1, 8721, 15201, 18145, 24625, 33345, 34561, \text{ or } 39825 \pmod{41040}$ except $n = 8721, 15201, 18145$
95	109	$n \equiv 1, 8285, 8721, 14061, 17005, 22345, 22781, \text{ or } 31065 \pmod{41420}$ except $n = 8285, 8721, 14061, 17005$
95	110	$n \equiv 1, 5225, 7601, 11001, 18601, 28425, 36025, \text{ or } 39425 \pmod{41800}$ except $n = 5225, 7601, 11001, 18601$
95	111	$n \equiv 1, 741, 4921, 5625, 9805, 10545, 14061, 18241, 18981,$ $20425, 23865, 28861, 32301, 33745, 34485, \text{ or } 38665 \pmod{42180}$ except $n = 741, 4921, 5625, 9805, 10545,$ $14061, 18241, 18981, 20425$
95	112	$n \equiv 1, 4865, 10241, 17025, 22401, 27265, 30401, \text{ or } 39425 \pmod{42560}$ except $n = 4865, 10241, 17025$
95	113	$n \equiv 1, 2261, 4181, 6441, 25765, 28025, 29945, \text{ or } 32205 \pmod{42940}$ except $n = 2261, 4181, 6441$
95	114	$n \equiv 1, 361, 8665, 9025, 28881, 29241, 37545, \text{ or } 37905 \pmod{43320}$ except $n = 361, 8665, 9025$
95	115	$n \equiv 1, 10925, 13225, 20425, 22725, 31901, 34201, \text{ or } 41401 \pmod{43700}$ except $n = 10925, 13225, 20425$
95	116	$n \equiv 1, 9425, 12065, 18241, 20881, 30305, 35265, \text{ or } 39121 \pmod{44080}$ except $n = 9425, 12065, 18241, 20881$
95	117	$n \equiv 1, 1521, 4941, 10621, 14041, 14365, 15561, 17785, 18981,$ $19305, 22725, 28405, 31825, 33345, 36765, \text{ or } 41041 \pmod{44460}$ except $n = 1521, 4941, 10621, 14041, 14365,$ $15561, 17785, 18981, 19305$
95	118	$n \equiv 1, 1121, 12921, 15105, 26905, 28025, 33041, \text{ or } 39825 \pmod{44840}$ except $n = 1121, 12921, 15105$
95	119	$n \equiv 1, 2261, 4845, 5321, 5985, 6461, 9045, 11305, 11781,$ $14365, 15505, 20825, 35701, 41021, 42161, \text{ or } 44745 \pmod{45220}$ except $n = 2261, 4845, 5321, 5985, 6461, 9045,$ $11305, 11781, 14365, 15505, 20825$

*continued on next page*

Table 94: Superspectra for  $p = 95$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
95	120	$n \equiv 1, 1825, 7201, 9025, 15201, 17025, 22401, \text{ or } 24225 \pmod{45600}$ except $n = 1825, 7201, 9025, 15201, 17025, 22401$
95	121	$n \equiv 1, 10165, 15125, 19361, 24321, 34485, 36785, \text{ or } 43681 \pmod{45980}$ except $n = 10165, 15125, 19361$
95	122	$n \equiv 1, 305, 17081, 17385, 18545, 28121, 35625, \text{ or } 45201 \pmod{46360}$ except $n = 305, 17081, 17385, 18545$
95	123	$n \equiv 1, 4921, 6765, 11685, 12465, 17385, 22345, 25461, 27265,$ $28045, 30381, 31161, 32965, 36081, 41041, \text{ or } 45961 \pmod{46740}$ except $n = 4921, 6765, 11685, 12465, 17385, 22345$
95	124	$n \equiv 1, 2945, 4465, 7905, 9425, 40641, 42161, \text{ or } 45601 \pmod{47120}$ except $n = 2945, 4465, 7905, 9425$
95	125	$n \equiv 1, 5625, 30001, \text{ or } 35625 \pmod{47500}$ except $n = 5625$
95	126	$n \equiv 1, 5985, 11305, 12825, 15561, 18145, 20881, 22401, 26145,$ $27721, 31465, 32985, 35721, 38305, 41041, \text{ or } 42561 \pmod{47880}$ except $n = 5985, 11305, 12825, 15561, 18145, 20881, 22401$
95	127	$n \equiv 1, 381, 11685, 12065, 19305, 19685, 40641, \text{ or } 41021 \pmod{48260}$ except $n = 381, 11685, 12065, 19305, 19685$
95	128	$n \equiv 1, 10241, 29185, \text{ or } 39425 \pmod{48640}$ except $n = 10241$

Table 95: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 96$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
96	2	$n \equiv 1 \text{ or } 513 \pmod{768}$
96	3	$n \equiv 1 \text{ or } 513 \pmod{1152}$ except $n = 513$
96	4	$n \equiv 1 \text{ or } 513 \pmod{1536}$ except $n = 513$
96	5	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
96	6	$n \equiv 1 \text{ or } 513 \pmod{2304}$ except $n = 513$

*continued on next page*



Table 95: Superspectra for  $p = 96$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
96	7	$n \equiv 1, 385, 897, \text{ or } 1281 \pmod{2688}$ except $n = 385, 897, 1281$
96	8	$n \equiv 1 \text{ or } 2049 \pmod{3072}$
96	9	$n \equiv 1 \text{ or } 513 \pmod{3456}$ except $n = 513$
96	10	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
96	11	$n \equiv 1, 385, 2817, \text{ or } 3201 \pmod{4224}$ except $n = 385$
96	12	$n \equiv 1 \text{ or } 513 \pmod{4608}$ except $n = 513$
96	13	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
96	14	$n \equiv 1, 1281, 3073, \text{ or } 3585 \pmod{5376}$ except $n = 1281$
96	15	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
96	16	$n \equiv 1 \text{ or } 2049 \pmod{6144}$ except $n = 2049$
96	17	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$
96	18	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
96	19	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
96	20	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
96	21	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
96	22	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{8448}$ except $n = 2817$
96	23	$n \equiv 1, 897, 3841, \text{ or } 5889 \pmod{8832}$ except $n = 897, 3841$
96	24	$n \equiv 1 \text{ or } 5121 \pmod{9216}$
96	25	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
96	26	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
96	27	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
96	28	$n \equiv 1, 3073, 3585, \text{ or } 6657 \pmod{10752}$ except $n = 3073, 3585$
96	29	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{11136}$ except $n = 1537$
96	30	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
96	31	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{11904}$ except $n = 3969$

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Table 95: Superspectra for  $p = 96$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
96	32	$n \equiv 1$ or 8193 (mod 12288)
96	33	$n \equiv 1, 2817, 4609, \text{ or } 7425$ (mod 12672) except $n = 2817, 4609$
96	34	$n \equiv 1, 4353, 8449, \text{ or } 12801$ (mod 13056) except $n = 4353$
96	35	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345$ (mod 13440) except $n = 385, 1281, 3585, 5761$
96	36	$n \equiv 1$ or 513 (mod 13824) except $n = 513$
96	37	$n \equiv 1, 1665, 4737, \text{ or } 11137$ (mod 14208) except $n = 1665, 4737$
96	38	$n \equiv 1, 513, 5377, \text{ or } 9729$ (mod 14592) except $n = 513, 5377$
96	39	$n \equiv 1, 1665, 9217, \text{ or } 10881$ (mod 14976) except $n = 1665$
96	40	$n \equiv 1, 5121, 6145, \text{ or } 11265$ (mod 15360) except $n = 5121, 6145$
96	41	$n \equiv 1, 6273, 10497, \text{ or } 11521$ (mod 15744) except $n = 6273$
96	42	$n \equiv 1, 12033, 13825, \text{ or } 14337$ (mod 16128)
96	43	$n \equiv 1, 129, 5505, \text{ or } 11137$ (mod 16512) except $n = 129, 5505$
96	44	$n \equiv 1, 4609, 11265, \text{ or } 15873$ (mod 16896) except $n = 4609$
96	45	$n \equiv 1, 7425, 10881, \text{ or } 13825$ (mod 17280) except $n = 7425$
96	46	$n \equiv 1, 3841, 5889, \text{ or } 9729$ (mod 17664) except $n = 3841, 5889$
96	47	$n \equiv 1, 9729, 12033, \text{ or } 15745$ (mod 18048)
96	48	$n \equiv 1$ or 14337 (mod 18432)
96	49	$n \equiv 1, 3969, 6273, \text{ or } 16513$ (mod 18816) except $n = 3969, 6273$
96	50	$n \equiv 1, 7425, 12801, \text{ or } 13825$ (mod 19200) except $n = 7425$
96	51	$n \equiv 1, 6273, 10881, \text{ or } 14977$ (mod 19584) except $n = 6273$
96	52	$n \equiv 1, 6657, 9217, \text{ or } 15873$ (mod 19968) except $n = 6657, 9217$
96	53	$n \equiv 1, 1537, 13569, \text{ or } 15105$ (mod 20352) except $n = 1537$
96	54	$n \equiv 1$ or 14337 (mod 20736)
96	55	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281$ (mod 21120) except $n = 385, 3201, 4225, 7041, 7425$

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Table 95: Superspectra for  $p = 96$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
96	56	$n \equiv 1, 3073, 14337, \text{ or } 17409 \pmod{21504}$ except $n = 3073$
96	57	$n \equiv 1, 513, 9729, \text{ or } 12673 \pmod{21888}$ except $n = 513, 9729$
96	58	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{22272}$ except $n = 1537, 7425, 8961$
96	59	$n \equiv 1, 14337, 15105, \text{ or } 21889 \pmod{22656}$
96	60	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$
96	61	$n \equiv 1, 1281, 7809, \text{ or } 16897 \pmod{23424}$ except $n = 1281, 7809$
96	62	$n \equiv 1, 6913, 15873, \text{ or } 22785 \pmod{23808}$ except $n = 6913$
96	63	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
96	64	$n \equiv 1 \text{ or } 8193 \pmod{24576}$ except $n = 8193$
96	65	$n \equiv 1, 1665, 4225, 9985, 10881, 16641, 19201, \text{ or } 20865 \pmod{24960}$ except $n = 1665, 4225, 9985, 10881$
96	66	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{25344}$ except $n = 2817, 4609, 7425$
96	67	$n \equiv 1, 8577, 15745, \text{ or } 24321 \pmod{25728}$ except $n = 8577$
96	68	$n \equiv 1, 12801, 17409, \text{ or } 21505 \pmod{26112}$ except $n = 12801$
96	69	$n \equiv 1, 9729, 12673, \text{ or } 23553 \pmod{26496}$ except $n = 9729, 12673$
96	70	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
96	71	$n \equiv 1, 8449, 18177, \text{ or } 26625 \pmod{27264}$ except $n = 8449$
96	72	$n \equiv 1 \text{ or } 14337 \pmod{27648}$
96	73	$n \equiv 1, 8833, 9345, \text{ or } 18177 \pmod{28032}$ except $n = 8833, 9345$
96	74	$n \equiv 1, 15873, 18945, \text{ or } 25345 \pmod{28416}$
96	75	$n \equiv 1, 7425, 13825, \text{ or } 22401 \pmod{28800}$ except $n = 7425, 13825$
96	76	$n \equiv 1, 513, 9729, \text{ or } 19969 \pmod{29184}$ except $n = 513, 9729$
96	77	$n \equiv 1, 385, 8449, 11649, 19713, 20097, 21505, \text{ or } 28161 \pmod{29568}$ except $n = 385, 8449, 11649$
96	78	$n \equiv 1, 9217, 16641, \text{ or } 25857 \pmod{29952}$ except $n = 9217$

*continued on next page*

Table 95: Superspectra for  $p = 96$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
96	79	$n \equiv 1, 10113, 13825, \text{ or } 23937 \pmod{30336}$ except $n = 10113, 13825$
96	80	$n \equiv 1, 6145, 20481, \text{ or } 26625 \pmod{30720}$ except $n = 6145$
96	81	$n \equiv 1 \text{ or } 14337 \pmod{31104}$ except $n = 14337$
96	82	$n \equiv 1, 10497, 11521, \text{ or } 22017 \pmod{31488}$ except $n = 10497, 11521$
96	83	$n \equiv 1, 18177, 21249, \text{ or } 28801 \pmod{31872}$
96	84	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{32256}$ except $n = 13825, 14337$
96	85	$n \equiv 1, 1921, 10881, 12801, 19585, 21505, 30465, \text{ or } 32385 \pmod{32640}$ except $n = 1921, 10881, 12801$
96	86	$n \equiv 1, 16641, 22017, \text{ or } 27649 \pmod{33024}$
96	87	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{33408}$ except $n = 7425, 12673$
96	88	$n \equiv 1, 11265, 21505, \text{ or } 32769 \pmod{33792}$ except $n = 11265$
96	89	$n \equiv 1, 9345, 20737, \text{ or } 22785 \pmod{34176}$ except $n = 9345$
96	90	$n \equiv 1, 7425, 13825, \text{ or } 28161 \pmod{34560}$ except $n = 7425, 13825$
96	91	$n \equiv 1, 897, 6657, 11649, 19201, 24193, 29953, \text{ or } 30849 \pmod{34944}$ except $n = 897, 6657, 11649$
96	92	$n \equiv 1, 9729, 21505, \text{ or } 23553 \pmod{35328}$ except $n = 9729$
96	93	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{35712}$ except $n = 3969, 6913, 10881$
96	94	$n \equiv 1, 9729, 12033, \text{ or } 33793 \pmod{36096}$ except $n = 9729, 12033$
96	95	$n \equiv 1, 15105, 17025, 22401, 24321, 27265, 29185, \text{ or } 34561 \pmod{36480}$ except $n = 15105, 17025$
96	96	$n \equiv 1 \text{ or } 32769 \pmod{36864}$
96	97	$n \equiv 1, 3201, 12417, \text{ or } 28033 \pmod{37248}$ except $n = 3201, 12417$
96	98	$n \equiv 1, 22785, 25089, \text{ or } 35329 \pmod{37632}$
96	99	$n \equiv 1, 7425, 17281, \text{ or } 28161 \pmod{38016}$ except $n = 7425, 17281$
96	100	$n \equiv 1, 12801, 13825, \text{ or } 26625 \pmod{38400}$ except $n = 12801, 13825$
96	101	$n \equiv 1, 23937, 25857, \text{ or } 36865 \pmod{38784}$

*continued on next page*

Table 95: Superspectra for  $p = 96$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
96	102	$n \equiv 1, 25857, 30465, \text{ or } 34561 \pmod{39168}$
96	103	$n \equiv 1, 8961, 13185, \text{ or } 35329 \pmod{39552}$ except $n = 8961, 13185$
96	104	$n \equiv 1, 9217, 26625, \text{ or } 35841 \pmod{39936}$ except $n = 9217$
96	105	$n \equiv 1, 5761, 8065, 13825, 22401, 28161, 30465, \text{ or } 36225 \pmod{40320}$ except $n = 5761, 8065, 13825$
96	106	$n \equiv 1, 1537, 13569, \text{ or } 15105 \pmod{40704}$ except $n = 1537, 13569, 15105$
96	107	$n \equiv 1, 20865, 27393, \text{ or } 34561 \pmod{41088}$
96	108	$n \equiv 1 \text{ or } 14337 \pmod{41472}$ except $n = 14337$
96	109	$n \equiv 1, 13953, 24961, \text{ or } 38913 \pmod{41856}$ except $n = 13953$
96	110	$n \equiv 1, 7425, 11265, 21505, 24321, 25345, 28161, \text{ or } 38401 \pmod{42240}$ except $n = 7425, 11265$
96	111	$n \equiv 1, 1665, 18945, \text{ or } 25345 \pmod{42624}$ except $n = 1665, 18945$
96	112	$n \equiv 1, 14337, 24577, \text{ or } 38913 \pmod{43008}$ except $n = 14337$
96	113	$n \equiv 1, 1921, 28929, \text{ or } 30849 \pmod{43392}$ except $n = 1921$
96	114	$n \equiv 1, 513, 9729, \text{ or } 34561 \pmod{43776}$ except $n = 513, 9729$
96	115	$n \equiv 1, 3841, 14721, 17665, 18561, 21505, 32385, \text{ or } 36225 \pmod{44160}$ except $n = 3841, 14721, 17665, 18561, 21505$
96	116	$n \equiv 1, 1537, 29697, \text{ or } 31233 \pmod{44544}$ except $n = 1537$
96	117	$n \equiv 1, 10881, 24193, \text{ or } 31617 \pmod{44928}$ except $n = 10881$
96	118	$n \equiv 1, 14337, 15105, \text{ or } 44545 \pmod{45312}$ except $n = 14337, 15105$
96	119	$n \equiv 1, 6273, 8449, 17409, 21505, 30465, 32641, \text{ or } 38913 \pmod{45696}$ except $n = 6273, 8449, 17409, 21505$
96	120	$n \equiv 1, 5121, 36865, \text{ or } 41985 \pmod{46080}$ except $n = 5121$
96	121	$n \equiv 1, 8833, 15489, \text{ or } 24321 \pmod{46464}$ except $n = 8833, 15489$
96	122	$n \equiv 1, 1281, 16897, \text{ or } 31233 \pmod{46848}$ except $n = 1281, 16897$
96	123	$n \equiv 1, 6273, 11521, \text{ or } 41985 \pmod{47232}$ except $n = 6273, 11521$
96	124	$n \equiv 1, 15873, 30721, \text{ or } 46593 \pmod{47616}$ except $n = 15873$

*continued on next page*

Table 95: Superspectra for  $p = 96$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
96	125	$n \equiv 1, 26625, 32001, \text{ or } 42625 \pmod{48000}$
96	126	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{48384}$ except $n = 13825, 14337$
96	127	$n \equiv 1, 16129, 16257, \text{ or } 32385 \pmod{48768}$ except $n = 16129, 16257$
96	128	$n \equiv 1 \text{ or } 32769 \pmod{49152}$

Table 96: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 97$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
97	2	$n \equiv 1 \text{ or } 97 \pmod{776}$ except $n = 97$
97	3	$n \equiv 1, 97, 777, \text{ or } 873 \pmod{1164}$ except $n = 97$
97	4	$n \equiv 1 \text{ or } 97 \pmod{1552}$ except $n = 97$
97	5	$n \equiv 1, 485, 1165, \text{ or } 1261 \pmod{1940}$ except $n = 485$
97	6	$n \equiv 1, 97, 777, \text{ or } 873 \pmod{2328}$ except $n = 97, 777, 873$
97	7	$n \equiv 1, 777, 1261, \text{ or } 2037 \pmod{2716}$ except $n = 777, 1261$
97	8	$n \equiv 1 \text{ or } 97 \pmod{3104}$ except $n = 97$
97	9	$n \equiv 1, 873, 1261, \text{ or } 3105 \pmod{3492}$ except $n = 873, 1261$
97	10	$n \equiv 1, 2425, 3105, \text{ or } 3201 \pmod{3880}$
97	11	$n \equiv 1, 485, 2717, \text{ or } 3201 \pmod{4268}$ except $n = 485$
97	12	$n \equiv 1, 97, 3105, \text{ or } 3201 \pmod{4656}$ except $n = 97$
97	13	$n \equiv 1, 1261, 2717, \text{ or } 3589 \pmod{5044}$ except $n = 1261$
97	14	$n \equiv 1, 777, 3977, \text{ or } 4753 \pmod{5432}$ except $n = 777$
97	15	$n \equiv 1, 1165, 1261, 1941, 2425, 3105, 3201, \text{ or } 4365 \pmod{5820}$ except $n = 1165, 1261, 1941, 2425$
97	16	$n \equiv 1 \text{ or } 3201 \pmod{6208}$
97	17	$n \equiv 1, 1649, 2329, \text{ or } 5917 \pmod{6596}$ except $n = 1649, 2329$

*continued on next page*

Table 96: Superspectra for  $p = 97$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
97	18	$n \equiv 1, 873, 3105, \text{ or } 4753 \pmod{6984}$ except $n = 873, 3105$
97	19	$n \equiv 1, 2717, 2813, \text{ or } 5529 \pmod{7372}$ except $n = 2717, 2813$
97	20	$n \equiv 1, 3105, 3201, \text{ or } 6305 \pmod{7760}$ except $n = 3105, 3201$
97	21	$n \equiv 1, 777, 1261, 2037, 3493, 4753, 5433, \text{ or } 6693 \pmod{8148}$ except $n = 777, 1261, 2037, 3493$
97	22	$n \equiv 1, 3201, 4753, \text{ or } 6985 \pmod{8536}$ except $n = 3201$
97	23	$n \equiv 1, 3105, 3589, \text{ or } 6693 \pmod{8924}$ except $n = 3105, 3589$
97	24	$n \equiv 1, 97, 3105, \text{ or } 3201 \pmod{9312}$ except $n = 97, 3105, 3201$
97	25	$n \equiv 1, 2425, 3201, \text{ or } 8925 \pmod{9700}$ except $n = 2425, 3201$
97	26	$n \equiv 1, 6305, 7761, \text{ or } 8633 \pmod{10088}$
97	27	$n \equiv 1, 3105, 4753, \text{ or } 7857 \pmod{10476}$ except $n = 3105, 4753$
97	28	$n \equiv 1, 4753, 6209, \text{ or } 9409 \pmod{10864}$ except $n = 4753$
97	29	$n \equiv 1, 2813, 5917, \text{ or } 8149 \pmod{11252}$ except $n = 2813$
97	30	$n \equiv 1, 2425, 3105, 3201, 6985, 7081, 7761, \text{ or } 10185 \pmod{11640}$ except $n = 2425, 3105, 3201$
97	31	$n \equiv 1, 9021, 9797, \text{ or } 11253 \pmod{12028}$
97	32	$n \equiv 1 \text{ or } 3201 \pmod{12416}$ except $n = 3201$
97	33	$n \equiv 1, 3201, 4269, 4753, 6985, 9021, 11253, \text{ or } 11737 \pmod{12804}$ except $n = 3201, 4269, 4753$
97	34	$n \equiv 1, 1649, 2329, \text{ or } 12513 \pmod{13192}$ except $n = 1649, 2329$
97	35	$n \equiv 1, 1261, 8925, 10185, 10865, 11641, 12125, \text{ or } 12901 \pmod{13580}$ except $n = 1261$
97	36	$n \equiv 1, 3105, 4753, \text{ or } 7857 \pmod{13968}$ except $n = 3105, 4753$
97	37	$n \equiv 1, 777, 2813, \text{ or } 3589 \pmod{14356}$ except $n = 777, 2813, 3589$
97	38	$n \equiv 1, 5529, 10089, \text{ or } 10185 \pmod{14744}$ except $n = 5529$
97	39	$n \equiv 1, 1261, 3589, 7761, 10089, 11349, 12805, \text{ or } 13677 \pmod{15132}$ except $n = 1261, 3589$

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Table 96: Superspectra for  $p = 97$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
97	40	$n \equiv 1, 3105, 3201, \text{ or } 6305 \pmod{15520}$ except $n = 3105, 3201, 6305$
97	41	$n \equiv 1, 3977, 9021, \text{ or } 10865 \pmod{15908}$ except $n = 3977$
97	42	$n \equiv 1, 777, 4753, 5433, 9409, 10185, 11641, \text{ or } 14841 \pmod{16296}$ except $n = 777, 4753, 5433$
97	43	$n \equiv 1, 12513, 12901, \text{ or } 16297 \pmod{16684}$
97	44	$n \equiv 1, 3201, 4753, \text{ or } 15521 \pmod{17072}$ except $n = 3201, 4753$
97	45	$n \equiv 1, 1261, 3105, 4365, 6985, 8245, 13581, \text{ or } 14841 \pmod{17460}$ except $n = 1261, 3105, 4365, 6985, 8245$
97	46	$n \equiv 1, 3105, 12513, \text{ or } 15617 \pmod{17848}$ except $n = 3105$
97	47	$n \equiv 1, 13677, 15229, \text{ or } 16685 \pmod{18236}$
97	48	$n \equiv 1, 3201, 9409, \text{ or } 12417 \pmod{18624}$ except $n = 3201$
97	49	$n \equiv 1, 4753, 9409, \text{ or } 14357 \pmod{19012}$ except $n = 4753, 9409$
97	50	$n \equiv 1, 2425, 3201, \text{ or } 18625 \pmod{19400}$ except $n = 2425, 3201$
97	51	$n \equiv 1, 2329, 5917, 6597, 8245, 8925, 12513, \text{ or } 14841 \pmod{19788}$ except $n = 2329, 5917, 6597, 8245, 8925$
97	52	$n \equiv 1, 6305, 7761, \text{ or } 18721 \pmod{20176}$ except $n = 6305, 7761$
97	53	$n \equiv 1, 5141, 10865, \text{ or } 14841 \pmod{20564}$ except $n = 5141$
97	54	$n \equiv 1, 3105, 4753, \text{ or } 7857 \pmod{20952}$ except $n = 3105, 4753, 7857$
97	55	$n \equiv 1, 485, 3201, 6985, 9021, 12805, 15521, \text{ or } 16005 \pmod{21340}$ except $n = 485, 3201, 6985, 9021$
97	56	$n \equiv 1, 6209, 9409, \text{ or } 15617 \pmod{21728}$ except $n = 6209, 9409$
97	57	$n \equiv 1, 5529, 10089, 10185, 12901, 14745, 17461, \text{ or } 17557 \pmod{22116}$ except $n = 5529, 10089, 10185$
97	58	$n \equiv 1, 14065, 17169, \text{ or } 19401 \pmod{22504}$
97	59	$n \equiv 1, 7081, 10089, \text{ or } 17169 \pmod{22892}$ except $n = 7081, 10089$
97	60	$n \equiv 1, 3105, 3201, 7761, 14065, 18625, 18721, \text{ or } 21825 \pmod{23280}$ except $n = 3105, 3201, 7761$

*continued on next page*



Table 96: Superspectra for  $p = 97$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
97	61	$n \equiv 1, 5917, 13969, \text{ or } 15617 \pmod{23668}$ except $n = 5917$
97	62	$n \equiv 1, 21049, 21825, \text{ or } 23281 \pmod{24056}$
97	63	$n \equiv 1, 1261, 3493, 4753, 13581, 14841, 17073, \text{ or } 18333 \pmod{24444}$ except $n = 1261, 3493, 4753$
97	64	$n \equiv 1 \text{ or } 15617 \pmod{24832}$
97	65	$n \equiv 1, 1261, 5045, 6305, 7761, 12805, 18721, \text{ or } 23765 \pmod{25220}$ except $n = 1261, 5045, 6305, 7761$
97	66	$n \equiv 1, 3201, 4753, 6985, 11737, 17073, 21825, \text{ or } 24057 \pmod{25608}$ except $n = 3201, 4753, 6985, 11737$
97	67	$n \equiv 1, 9313, 10185, \text{ or } 19497 \pmod{25996}$ except $n = 9313, 10185$
97	68	$n \equiv 1, 1649, 12513, \text{ or } 15521 \pmod{26384}$ except $n = 1649, 12513$
97	69	$n \equiv 1, 3105, 3589, 6693, 8925, 12513, 20953, \text{ or } 24541 \pmod{26772}$ except $n = 3105, 3589, 6693, 8925, 12513$
97	70	$n \equiv 1, 10185, 10865, 11641, 14841, 22505, 25705, \text{ or } 26481 \pmod{27160}$ except $n = 10185, 10865, 11641$
97	71	$n \equiv 1, 3977, 16685, \text{ or } 20661 \pmod{27548}$ except $n = 3977$
97	72	$n \equiv 1, 3105, 18721, \text{ or } 21825 \pmod{27936}$ except $n = 3105$
97	73	$n \equiv 1, 7081, 7373, \text{ or } 28033 \pmod{28324}$ except $n = 7081, 7373$
97	74	$n \equiv 1, 777, 17169, \text{ or } 17945 \pmod{28712}$ except $n = 777$
97	75	$n \equiv 1, 2425, 3201, 8925, 12901, 18625, 19401, \text{ or } 21825 \pmod{29100}$ except $n = 2425, 3201, 8925, 12901$
97	76	$n \equiv 1, 20273, 24833, \text{ or } 24929 \pmod{29488}$
97	77	$n \equiv 1, 2717, 4753, 7469, 17073, 17557, 19789, \text{ or } 20273 \pmod{29876}$ except $n = 2717, 4753, 7469$
97	78	$n \equiv 1, 7761, 10089, 16393, 18721, 26481, 27937, \text{ or } 28809 \pmod{30264}$ except $n = 7761, 10089$
97	79	$n \equiv 1, 9797, 13193, \text{ or } 22989 \pmod{30652}$ except $n = 9797, 13193$
97	80	$n \equiv 1, 3201, 18625, \text{ or } 21825 \pmod{31040}$ except $n = 3201$

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Table 96: Superspectra for  $p = 97$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
97	81	$n \equiv 1, 7857, 15229, \text{ or } 24057 \pmod{31428}$ except $n = 7857, 15229$
97	82	$n \equiv 1, 3977, 10865, \text{ or } 24929 \pmod{31816}$ except $n = 3977, 10865$
97	83	$n \equiv 1, 8633, 15521, \text{ or } 24153 \pmod{32204}$ except $n = 8633, 15521$
97	84	$n \equiv 1, 4753, 9409, 17073, 21729, 26481, 27937, \text{ or } 31137 \pmod{32592}$ except $n = 4753, 9409$
97	85	$n \equiv 1, 8245, 8925, 14841, 15521, 25705, 26385, \text{ or } 32301 \pmod{32980}$ except $n = 8245, 8925, 14841, 15521$
97	86	$n \equiv 1, 12513, 16297, \text{ or } 29585 \pmod{33368}$ except $n = 12513, 16297$
97	87	$n \equiv 1, 5917, 8149, 11253, 14065, 17169, 19401, \text{ or } 25317 \pmod{33756}$ except $n = 5917, 8149, 11253, 14065$
97	88	$n \equiv 1, 3201, 15521, \text{ or } 21825 \pmod{34144}$ except $n = 3201, 15521$
97	89	$n \equiv 1, 8633, 9701, \text{ or } 33465 \pmod{34532}$ except $n = 8633, 9701$
97	90	$n \equiv 1, 3105, 6985, 14841, 18721, 21825, 25705, \text{ or } 31041 \pmod{34920}$ except $n = 3105, 6985, 14841$
97	91	$n \equiv 1, 1261, 2717, 23765, 25221, 26481, 27937, \text{ or } 33853 \pmod{35308}$ except $n = 1261, 2717$
97	92	$n \equiv 1, 3105, 12513, \text{ or } 15617 \pmod{35696}$ except $n = 3105, 12513, 15617$
97	93	$n \equiv 1, 9021, 11253, 21049, 21825, 23281, 24057, \text{ or } 33853 \pmod{36084}$ except $n = 9021, 11253$
97	94	$n \equiv 1, 31913, 33465, \text{ or } 34921 \pmod{36472}$
97	95	$n \equiv 1, 10185, 12901, 14745, 17461, 27645, 32205, \text{ or } 32301 \pmod{36860}$ except $n = 10185, 12901, 14745, 17461$
97	96	$n \equiv 1, 3201, 12417, \text{ or } 28033 \pmod{37248}$ except $n = 3201, 12417$
97	97	$n \equiv 1 \text{ or } 9409 \pmod{37636}$ except $n = 9409$
97	98	$n \equiv 1, 4753, 9409, \text{ or } 33369 \pmod{38024}$ except $n = 4753, 9409$
97	99	$n \equiv 1, 4753, 6985, 11737, 17073, 21825, 24057, \text{ or } 28809 \pmod{38412}$ except $n = 4753, 6985, 11737, 17073$
97	100	$n \equiv 1, 3201, 18625, \text{ or } 21825 \pmod{38800}$ except $n = 3201, 18625$

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Table 96: Superspectra for  $p = 97$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
97	101	$n \equiv 1, 2425, 7373, \text{ or } 9797 \pmod{39188}$ except $n = 2425, 7373, 9797$
97	102	$n \equiv 1, 2329, 12513, 14841, 25705, 26385, 28033, \text{ or } 28713 \pmod{39576}$ except $n = 2329, 12513, 14841$
97	103	$n \equiv 1, 1649, 28325, \text{ or } 29973 \pmod{39964}$ except $n = 1649$
97	104	$n \equiv 1, 6305, 18721, \text{ or } 27937 \pmod{40352}$ except $n = 6305, 18721$
97	105	$n \equiv 1, 1261, 8925, 10185, 11641, 12901, 13581, 14841, 24445,$ $25221, 25705, 26481, 36085, 37345, 38025, \text{ or } 39285 \pmod{40740}$ except $n = 1261, 8925, 10185, 11641, 12901, 13581, 14841$
97	106	$n \equiv 1, 10865, 14841, \text{ or } 25705 \pmod{41128}$ except $n = 10865, 14841$
97	107	$n \equiv 1, 31137, 34241, \text{ or } 38413 \pmod{41516}$
97	108	$n \equiv 1, 3105, 4753, \text{ or } 7857 \pmod{41904}$ except $n = 3105, 4753, 7857$
97	109	$n \equiv 1, 873, 9701, \text{ or } 10573 \pmod{42292}$ except $n = 873, 9701, 10573$
97	110	$n \equiv 1, 3201, 6985, 15521, 21825, 30361, 34145, \text{ or } 37345 \pmod{42680}$ except $n = 3201, 6985, 15521$
97	111	$n \equiv 1, 777, 3589, 15133, 17169, 28713, 31525, \text{ or } 32301 \pmod{43068}$ except $n = 777, 3589, 15133, 17169$
97	112	$n \equiv 1, 6209, 9409, \text{ or } 15617 \pmod{43456}$ except $n = 6209, 9409, 15617$
97	113	$n \equiv 1, 10961, 22601, \text{ or } 32205 \pmod{43844}$ except $n = 10961$
97	114	$n \equiv 1, 5529, 10089, 10185, 14745, 35017, 39577, \text{ or } 39673 \pmod{44232}$ except $n = 5529, 10089, 10185, 14745$
97	115	$n \equiv 1, 3105, 8925, 24541, 30361, 33465, 38801, \text{ or } 39285 \pmod{44620}$ except $n = 3105, 8925$
97	116	$n \equiv 1, 14065, 17169, \text{ or } 41905 \pmod{45008}$ except $n = 14065, 17169$
97	117	$n \equiv 1, 1261, 10089, 11349, 18721, 27937, 28809, \text{ or } 38025 \pmod{45396}$ except $n = 1261, 10089, 11349, 18721$
97	118	$n \equiv 1, 7081, 10089, \text{ or } 17169 \pmod{45784}$ except $n = 7081, 10089, 17169$
97	119	$n \equiv 1, 8925, 14841, 19789, 25705, 34629, 35309, \text{ or } 45493 \pmod{46172}$ except $n = 8925, 14841, 19789$

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Table 96: Superspectra for  $p = 97$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
97	120	$n \equiv 1, 3105, 3201, 18625, 18721, 21825, 31041, \text{ or } 37345 \pmod{46560}$ except $n = 3105, 3201, 18625, 18721, 21825$
97	121	$n \equiv 1, 485, 11253, \text{ or } 11737 \pmod{46948}$ except $n = 485, 11253, 11737$
97	122	$n \equiv 1, 13969, 15617, \text{ or } 29585 \pmod{47336}$ except $n = 13969, 15617$
97	123	$n \equiv 1, 9021, 15909, 19885, 26773, 35793, 40837, \text{ or } 42681 \pmod{47724}$ except $n = 9021, 15909, 19885$
97	124	$n \equiv 1, 21825, 23281, \text{ or } 45105 \pmod{48112}$ except $n = 21825, 23281$
97	125	$n \equiv 1, 12125, 18625, \text{ or } 42001 \pmod{48500}$ except $n = 12125, 18625$
97	126	$n \equiv 1, 4753, 14841, 17073, 25705, 27937, 38025, \text{ or } 42777 \pmod{48888}$ except $n = 4753, 14841, 17073$
97	127	$n \equiv 1, 6985, 29973, \text{ or } 36957 \pmod{49276}$ except $n = 6985$
97	128	$n \equiv 1 \text{ or } 40449 \pmod{49664}$

Table 97: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 98$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
98	2	$n \equiv 1 \text{ or } 49 \pmod{784}$ except $n = 49$
98	3	$n \equiv 1, 49, 393, \text{ or } 441 \pmod{1176}$ except $n = 49, 393, 441$
98	4	$n \equiv 1 \text{ or } 833 \pmod{1568}$
98	5	$n \equiv 1, 441, 785, \text{ or } 1225 \pmod{1960}$ except $n = 441, 785$
98	6	$n \equiv 1, 49, 1569, \text{ or } 1617 \pmod{2352}$ except $n = 49$
98	7	$n \equiv 1 \text{ or } 2401 \pmod{2744}$
98	8	$n \equiv 1 \text{ or } 833 \pmod{3136}$ except $n = 833$
98	9	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
98	10	$n \equiv 1, 785, 2401, \text{ or } 3185 \pmod{3920}$ except $n = 785$

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Table 97: Superspectra for  $p = 98$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
98	11	$n \equiv 1, 441, 1177, \text{ or } 1617 \pmod{4312}$ except $n = 441, 1177, 1617$
98	12	$n \equiv 1, 1569, 2401, \text{ or } 3969 \pmod{4704}$ except $n = 1569$
98	13	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{5096}$ except $n = 833, 2353$
98	14	$n \equiv 1 \text{ or } 2401 \pmod{5488}$ except $n = 2401$
98	15	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
98	16	$n \equiv 1 \text{ or } 3969 \pmod{6272}$
98	17	$n \equiv 1, 833, 1225, \text{ or } 6273 \pmod{6664}$ except $n = 833, 1225$
98	18	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$
98	19	$n \equiv 1, 2793, 4313, \text{ or } 5929 \pmod{7448}$ except $n = 2793$
98	20	$n \equiv 1, 2401, 4705, \text{ or } 7105 \pmod{7840}$ except $n = 2401$
98	21	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{8232}$ except $n = 2401, 2745$
98	22	$n \equiv 1, 1617, 4753, \text{ or } 5489 \pmod{8624}$ except $n = 1617$
98	23	$n \equiv 1, 7889, 8281, \text{ or } 8625 \pmod{9016}$
98	24	$n \equiv 1, 3969, 6273, \text{ or } 7105 \pmod{9408}$ except $n = 3969$
98	25	$n \equiv 1, 1225, 2401, \text{ or } 8625 \pmod{9800}$ except $n = 1225, 2401$
98	26	$n \equiv 1, 833, 2353, \text{ or } 3185 \pmod{10192}$ except $n = 833, 2353, 3185$
98	27	$n \equiv 1, 3969, 4753, \text{ or } 9801 \pmod{10584}$ except $n = 3969, 4753$
98	28	$n \equiv 1 \text{ or } 2401 \pmod{10976}$ except $n = 2401$
98	29	$n \equiv 1, 7105, 7889, \text{ or } 10585 \pmod{11368}$
98	30	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
98	31	$n \equiv 1, 3969, 6665, \text{ or } 10633 \pmod{12152}$ except $n = 3969$
98	32	$n \equiv 1 \text{ or } 10241 \pmod{12544}$
98	33	$n \equiv 1, 441, 1177, 1617, 4753, 5929, 8625, \text{ or } 9801 \pmod{12936}$ except $n = 441, 1177, 1617, 4753, 5929$

*continued on next page*

Table 97: Superspectra for  $p = 98$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
98	34	$n \equiv 1, 833, 6273, \text{ or } 7889 \pmod{13328}$ except $n = 833, 6273$
98	35	$n \equiv 1, 2401, 2745, \text{ or } 5145 \pmod{13720}$ except $n = 2401, 2745, 5145$
98	36	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
98	37	$n \equiv 1, 1961, 7105, \text{ or } 9065 \pmod{14504}$ except $n = 1961, 7105$
98	38	$n \equiv 1, 10241, 11761, \text{ or } 13377 \pmod{14896}$
98	39	$n \equiv 1, 2353, 5097, 5929, 7449, 8281, 11025, \text{ or } 13377 \pmod{15288}$ except $n = 2353, 5097, 5929, 7449$
98	40	$n \equiv 1, 7105, 10241, \text{ or } 12545 \pmod{15680}$ except $n = 7105$
98	41	$n \equiv 1, 2009, 6273, \text{ or } 11809 \pmod{16072}$ except $n = 2009, 6273$
98	42	$n \equiv 1, 2401, 10977, \text{ or } 13377 \pmod{16464}$ except $n = 2401$
98	43	$n \equiv 1, 6321, 6665, \text{ or } 16513 \pmod{16856}$ except $n = 6321, 6665$
98	44	$n \equiv 1, 10241, 13377, \text{ or } 14113 \pmod{17248}$
98	45	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
98	46	$n \equiv 1, 7889, 8625, \text{ or } 17297 \pmod{18032}$ except $n = 7889, 8625$
98	47	$n \equiv 1, 16121, 17249, \text{ or } 17297 \pmod{18424}$
98	48	$n \equiv 1, 3969, 6273, \text{ or } 16513 \pmod{18816}$ except $n = 3969, 6273$
98	49	$n \equiv 1 \text{ or } 2401 \pmod{19208}$ except $n = 2401$
98	50	$n \equiv 1, 2401, 8625, \text{ or } 11025 \pmod{19600}$ except $n = 2401, 8625$
98	51	$n \equiv 1, 1225, 6273, 7497, 12937, 13329, 14161, \text{ or } 14553 \pmod{19992}$ except $n = 1225, 6273, 7497$
98	52	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{20384}$ except $n = 833$
98	53	$n \equiv 1, 1961, 11025, \text{ or } 12985 \pmod{20776}$ except $n = 1961$
98	54	$n \equiv 1, 3969, 4753, \text{ or } 20385 \pmod{21168}$ except $n = 3969, 4753$
98	55	$n \equiv 1, 441, 8625, 9065, 9801, 10241, 18425, \text{ or } 18865 \pmod{21560}$ except $n = 441, 8625, 9065, 9801, 10241$
98	56	$n \equiv 1 \text{ or } 13377 \pmod{21952}$

*continued on next page*

Table 97: Superspectra for  $p = 98$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
98	57	$n \equiv 1, 2793, 5929, 7449, 11761, 13377, 17689, \text{ or } 19209 \pmod{22344}$ except $n = 2793, 5929, 7449$
98	58	$n \equiv 1, 7105, 7889, \text{ or } 21953 \pmod{22736}$ except $n = 7105, 7889$
98	59	$n \equiv 1, 8673, 14161, \text{ or } 17641 \pmod{23128}$ except $n = 8673$
98	60	$n \equiv 1, 2401, 4705, 7105, 15681, 18081, 20385, \text{ or } 22785 \pmod{23520}$ except $n = 2401, 4705, 7105$
98	61	$n \equiv 1, 2745, 12201, \text{ or } 14945 \pmod{23912}$ except $n = 2745$
98	62	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{24304}$ except $n = 3969$
98	63	$n \equiv 1, 2745, 18865, \text{ or } 21609 \pmod{24696}$ except $n = 2745$
98	64	$n \equiv 1 \text{ or } 10241 \pmod{25088}$ except $n = 10241$
98	65	$n \equiv 1, 3185, 8281, 11025, 12545, 16121, 17641, \text{ or } 20385 \pmod{25480}$ except $n = 3185, 8281, 11025, 12545$
98	66	$n \equiv 1, 1617, 4753, 8625, 13377, 14113, 18865, \text{ or } 22737 \pmod{25872}$ except $n = 1617, 4753, 8625$
98	67	$n \equiv 1, 9849, 17689, \text{ or } 18425 \pmod{26264}$ except $n = 9849$
98	68	$n \equiv 1, 833, 6273, \text{ or } 21217 \pmod{26656}$ except $n = 833, 6273$
98	69	$n \equiv 1, 8281, 8625, 16905, 17641, 18033, 25921, \text{ or } 26313 \pmod{27048}$ except $n = 8281, 8625$
98	70	$n \equiv 1, 2401, 16465, \text{ or } 18865 \pmod{27440}$ except $n = 2401$
98	71	$n \equiv 1, 9017, 15337, \text{ or } 24353 \pmod{27832}$ except $n = 9017$
98	72	$n \equiv 1, 3969, 6273, \text{ or } 25921 \pmod{28224}$ except $n = 3969, 6273$
98	73	$n \equiv 1, 3577, 10585, \text{ or } 21609 \pmod{28616}$ except $n = 3577, 10585$
98	74	$n \equiv 1, 7105, 16465, \text{ or } 23569 \pmod{29008}$ except $n = 7105$
98	75	$n \equiv 1, 1225, 2401, 8625, 9801, 11025, 12201, \text{ or } 28225 \pmod{29400}$ except $n = 1225, 2401, 8625, 9801, 11025, 12201$
98	76	$n \equiv 1, 10241, 13377, \text{ or } 26657 \pmod{29792}$ except $n = 10241, 13377$
98	77	$n \equiv 1, 5489, 13377, \text{ or } 18865 \pmod{30184}$ except $n = 5489, 13377$

*continued on next page*

Table 97: Superspectra for  $p = 98$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
98	78	$n \equiv 1, 2353, 11025, 13377, 20385, 21217, 22737, \text{ or } 23569 \pmod{30576}$ except $n = 2353, 11025, 13377$
98	79	$n \equiv 1, 6321, 20777, \text{ or } 27097 \pmod{30968}$ except $n = 6321$
98	80	$n \equiv 1, 10241, 12545, \text{ or } 22785 \pmod{31360}$ except $n = 10241, 12545$
98	81	$n \equiv 1, 3969, 9801, \text{ or } 25921 \pmod{31752}$ except $n = 3969, 9801$
98	82	$n \equiv 1, 6273, 11809, \text{ or } 18081 \pmod{32144}$ except $n = 6273, 11809$
98	83	$n \equiv 1, 12201, 19257, \text{ or } 25481 \pmod{32536}$ except $n = 12201$
98	84	$n \equiv 1, 2401, 10977, \text{ or } 13377 \pmod{32928}$ except $n = 2401, 10977, 13377$
98	85	$n \equiv 1, 1225, 6665, 14161, 19601, 20825, 26265, \text{ or } 27881 \pmod{33320}$ except $n = 1225, 6665, 14161$
98	86	$n \equiv 1, 6321, 16513, \text{ or } 23521 \pmod{33712}$ except $n = 6321, 16513$
98	87	$n \equiv 1, 7105, 10585, 19257, 22737, 29841, 30625, \text{ or } 33321 \pmod{34104}$ except $n = 7105, 10585$
98	88	$n \equiv 1, 10241, 13377, \text{ or } 31361 \pmod{34496}$ except $n = 10241, 13377$
98	89	$n \equiv 1, 4361, 16465, \text{ or } 22785 \pmod{34888}$ except $n = 4361, 16465$
98	90	$n \equiv 1, 11025, 18081, 18865, 20385, 25921, 27441, \text{ or } 28225 \pmod{35280}$ except $n = 11025$
98	91	$n \equiv 1, 13377, 16121, \text{ or } 32929 \pmod{35672}$ except $n = 13377, 16121$
98	92	$n \equiv 1, 25921, 26657, \text{ or } 35329 \pmod{36064}$
98	93	$n \equiv 1, 3969, 10633, 12153, 18817, 22785, 28273, \text{ or } 30969 \pmod{36456}$ except $n = 3969, 10633, 12153$
98	94	$n \equiv 1, 17249, 17297, \text{ or } 34545 \pmod{36848}$ except $n = 17249, 17297$
98	95	$n \equiv 1, 10241, 11761, 20825, 22345, 32585, 34105, \text{ or } 35721 \pmod{37240}$ except $n = 10241, 11761$
98	96	$n \equiv 1, 22785, 25089, \text{ or } 35329 \pmod{37632}$
98	97	$n \equiv 1, 4753, 9409, \text{ or } 33369 \pmod{38024}$ except $n = 4753, 9409$
98	98	$n \equiv 1 \text{ or } 2401 \pmod{38416}$ except $n = 2401$

*continued on next page*



Table 97: Superspectra for  $p = 98$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
98	99	$n \equiv 1, 441, 4753, 9801, 14113, 14553, 18865, \text{ or } 34497 \pmod{38808}$ except $n = 441, 4753, 9801, 14113, 14553, 18865$
98	100	$n \equiv 1, 2401, 28225, \text{ or } 30625 \pmod{39200}$ except $n = 2401$
98	101	$n \equiv 1, 1617, 23129, \text{ or } 24745 \pmod{39592}$ except $n = 1617$
98	102	$n \equiv 1, 6273, 13329, 14161, 21217, 27489, 32929, \text{ or } 34545 \pmod{39984}$ except $n = 6273, 13329, 14161$
98	103	$n \equiv 1, 9065, 26265, \text{ or } 35329 \pmod{40376}$ except $n = 9065$
98	104	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{40768}$ except $n = 833, 12545, 13377$
98	105	$n \equiv 1, 2401, 2745, 5145, 16465, 18865, 27441, \text{ or } 29841 \pmod{41160}$ except $n = 2401, 2745, 5145, 16465, 18865$
98	106	$n \equiv 1, 11025, 22737, \text{ or } 33761 \pmod{41552}$ except $n = 11025$
98	107	$n \equiv 1, 1177, 14553, \text{ or } 15729 \pmod{41944}$ except $n = 1177, 14553, 15729$
98	108	$n \equiv 1, 3969, 20385, \text{ or } 25921 \pmod{42336}$ except $n = 3969, 20385$
98	109	$n \equiv 1, 4361, 22345, \text{ or } 26705 \pmod{42728}$ except $n = 4361$
98	110	$n \equiv 1, 8625, 10241, 18865, 22001, 30625, 31361, \text{ or } 39985 \pmod{43120}$ except $n = 8625, 10241, 18865$
98	111	$n \equiv 1, 7105, 14505, 16465, 21609, 23569, 30969, \text{ or } 38073 \pmod{43512}$ except $n = 7105, 14505, 16465, 21609$
98	112	$n \equiv 1 \text{ or } 35329 \pmod{43904}$
98	113	$n \equiv 1, 5537, 18081, \text{ or } 31753 \pmod{44296}$ except $n = 5537, 18081$
98	114	$n \equiv 1, 11761, 13377, 25137, 28273, 29793, 40033, \text{ or } 41553 \pmod{44688}$ except $n = 11761, 13377$
98	115	$n \equiv 1, 8281, 8625, 16905, 17641, 25921, 36065, \text{ or } 44345 \pmod{45080}$ except $n = 8281, 8625, 16905, 17641$
98	116	$n \equiv 1, 7105, 21953, \text{ or } 30625 \pmod{45472}$ except $n = 7105, 21953$
98	117	$n \equiv 1, 8281, 11025, 17641, 20385, 28665, 36505, \text{ or } 38025 \pmod{45864}$ except $n = 8281, 11025, 17641, 20385$
98	118	$n \equiv 1, 8673, 14161, \text{ or } 40769 \pmod{46256}$ except $n = 8673, 14161$

*continued on next page*

Table 97: Superspectra for  $p = 98$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
98	119	$n \equiv 1, 7889, 32929, \text{ or } 40817 \pmod{46648}$ except $n = 7889$
98	120	$n \equiv 1, 7105, 15681, 22785, 25921, 28225, 41601, \text{ or } 43905 \pmod{47040}$ except $n = 7105, 15681, 22785$
98	121	$n \equiv 1, 5929, 9801, \text{ or } 43561 \pmod{47432}$ except $n = 5929, 9801$
98	122	$n \equiv 1, 14945, 26657, \text{ or } 36113 \pmod{47824}$ except $n = 14945$
98	123	$n \equiv 1, 6273, 11809, 18081, 22345, 32145, 34153, \text{ or } 43953 \pmod{48216}$ except $n = 6273, 11809, 18081, 22345$
98	124	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{48608}$ except $n = 3969, 18817, 22785$
98	125	$n \equiv 1, 8625, 22001, \text{ or } 30625 \pmod{49000}$ except $n = 8625, 22001$
98	126	$n \equiv 1, 18865, 27441, \text{ or } 46305 \pmod{49392}$ except $n = 18865$
98	127	$n \equiv 1, 9017, 34545, \text{ or } 43561 \pmod{49784}$ except $n = 9017$
98	128	$n \equiv 1 \text{ or } 10241 \pmod{50176}$ except $n = 10241$

Table 98: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 99$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	2	$n \equiv 1, 297, 441, \text{ or } 649 \pmod{792}$ except $n = 297$
99	3	$n \equiv 1, 297, 649, \text{ or } 837 \pmod{1188}$ except $n = 297$
99	4	$n \equiv 1, 1089, 1233, \text{ or } 1441 \pmod{1584}$
99	5	$n \equiv 1, 45, 441, 1045, 1441, 1485, 1585, \text{ or } 1881 \pmod{1980}$ except $n = 45, 441$
99	6	$n \equiv 1, 297, 649, \text{ or } 2025 \pmod{2376}$ except $n = 297, 649$
99	7	$n \equiv 1, 253, 441, 693, 1233, 1485, 1981, \text{ or } 2233 \pmod{2772}$ except $n = 253, 441, 693, 1233$
99	8	$n \equiv 1, 1089, 1441, \text{ or } 2817 \pmod{3168}$ except $n = 1089, 1441$

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Table 98: Superspectra for  $p = 99$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	9	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{3564}$ except $n = 649$
99	10	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
99	11	$n \equiv 1, 1089, 2421, \text{ or } 3025 \pmod{4356}$ except $n = 1089$
99	12	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
99	13	$n \equiv 1, 793, 3069, 3861, 4005, 4213, 4797, \text{ or } 5005 \pmod{5148}$ except $n = 793$
99	14	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
99	15	$n \equiv 1, 1485, 2025, 3025, 3565, 3861, 4401, \text{ or } 5401 \pmod{5940}$ except $n = 1485, 2025$
99	16	$n \equiv 1, 1089, 2817, \text{ or } 4609 \pmod{6336}$ except $n = 1089, 2817$
99	17	$n \equiv 1, 1089, 1837, 3213, 3961, 5049, 5797, \text{ or } 5985 \pmod{6732}$ except $n = 1089, 1837, 3213$
99	18	$n \equiv 1, 649, 2025, \text{ or } 2673 \pmod{7128}$ except $n = 649, 2025, 2673$
99	19	$n \equiv 1, 837, 1045, 1881, 3421, 4257, 5149, \text{ or } 5985 \pmod{7524}$ except $n = 837, 1045, 1881, 3421$
99	20	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
99	21	$n \equiv 1, 1485, 3025, 3213, 4753, 6237, 6777, \text{ or } 7777 \pmod{8316}$ except $n = 1485, 3025, 3213$
99	22	$n \equiv 1, 1089, 3025, \text{ or } 6777 \pmod{8712}$ except $n = 1089, 3025$
99	23	$n \equiv 1, 253, 2025, 2277, 3565, 5589, 5797, \text{ or } 7821 \pmod{9108}$ except $n = 253, 2025, 2277, 3565$
99	24	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
99	25	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 7525, \text{ or } 9801 \pmod{9900}$ except $n = 2025, 3025, 4401$

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Table 98: Superspectra for  $p = 99$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	26	$n \equiv 1, 793, 8217, 9009, 9153, 9361, 9945, \text{ or } 10153 \pmod{10296}$ except $n = 793$
99	27	$n \equiv 1, 2673, 5589, \text{ or } 7777 \pmod{10692}$ except $n = 2673$
99	28	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
99	29	$n \equiv 1, 1045, 1189, 2233, 6381, 7425, 7569, \text{ or } 8613 \pmod{11484}$ except $n = 1045, 1189, 2233$
99	30	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$
99	31	$n \equiv 1, 837, 2233, 3069, 3565, 5797, 9549, \text{ or } 11781 \pmod{12276}$ except $n = 837, 2233, 3069, 3565, 5797$
99	32	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{12672}$ except $n = 2817, 4609$
99	33	$n \equiv 1, 3025, 6777, \text{ or } 9801 \pmod{13068}$ except $n = 3025$
99	34	$n \equiv 1, 1089, 3961, 5049, 5985, 8569, 9945, \text{ or } 12529 \pmod{13464}$ except $n = 1089, 3961, 5049, 5985$
99	35	$n \equiv 1, 441, 1485, 1981, 3025, 3465, 4005, 5005, 5545,$ $5985, 7525, 9801, 11341, 11781, 12321, \text{ or } 13321 \pmod{13860}$ except $n = 441, 1485, 1981, 3025, 3465,$ $4005, 5005, 5545, 5985$
99	36	$n \equiv 1, 2673, 7777, \text{ or } 9153 \pmod{14256}$ except $n = 2673$
99	37	$n \equiv 1, 297, 1629, 9361, 10693, 10989, 12321, \text{ or } 13321 \pmod{14652}$ except $n = 297, 1629$
99	38	$n \equiv 1, 1881, 4257, 5985, 8361, 8569, 10945, \text{ or } 12673 \pmod{15048}$ except $n = 1881, 4257, 5985$
99	39	$n \equiv 1, 3861, 4213, 5941, 9153, 10153, 13365, \text{ or } 15093 \pmod{15444}$ except $n = 3861, 4213, 5941$
99	40	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$

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Table 98: Superspectra for  $p = 99$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	41	$n \equiv 1, 1189, 3609, 4797, 7381, 8569, 10989, \text{ or } 12177 \pmod{16236}$ except $n = 1189, 3609, 4797, 7381$
99	42	$n \equiv 1, 3025, 4753, 6777, 7777, 9801, 11529, \text{ or } 14553 \pmod{16632}$ except $n = 3025, 4753, 6777, 7777$
99	43	$n \equiv 1, 4257, 6193, 7525, 7569, 13717, 13761, \text{ or } 15093 \pmod{17028}$ except $n = 4257, 6193, 7525, 7569$
99	44	$n \equiv 1, 1089, 3025, \text{ or } 15489 \pmod{17424}$ except $n = 1089, 3025$
99	45	$n \equiv 1, 2025, 3565, 9801, 11341, 13365, 14905, \text{ or } 16281 \pmod{17820}$ except $n = 2025, 3565$
99	46	$n \equiv 1, 2025, 9361, 11385, 12673, 14697, 14905, \text{ or } 16929 \pmod{18216}$ except $n = 2025$
99	47	$n \equiv 1, 1881, 2773, 4653, 10153, 10341, 12925, \text{ or } 13113 \pmod{18612}$ except $n = 1881, 2773, 4653$
99	48	$n \equiv 1, 7425, 9153, \text{ or } 17281 \pmod{19008}$ except $n = 7425, 9153$
99	49	$n \equiv 1, 441, 4753, 9801, 14113, 14553, 15093, \text{ or } 18865 \pmod{19404}$ except $n = 441, 4753$
99	50	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 17425 \pmod{19800}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
99	51	$n \equiv 1, 1837, 3213, 5049, 10693, 12529, 12717, \text{ or } 14553 \pmod{20196}$ except $n = 1837, 3213, 5049$
99	52	$n \equiv 1, 9009, 9153, 9361, 11089, 18513, 20241, \text{ or } 20449 \pmod{20592}$ except $n = 9009, 9153, 9361$
99	53	$n \equiv 1, 1485, 3817, 11925, 14257, 15741, 18073, \text{ or } 18657 \pmod{20988}$ except $n = 1485, 3817$
99	54	$n \equiv 1, 2673, 7777, \text{ or } 16281 \pmod{21384}$ except $n = 2673, 7777$
99	55	$n \equiv 1, 2421, 3025, 5445, 7381, 9801, 17425, \text{ or } 19845 \pmod{21780}$ except $n = 2421, 3025, 5445, 7381, 9801$
99	56	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$

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Table 98: Superspectra for  $p = 99$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	57	$n \equiv 1, 837, 16093, 16929, 18469, 19305, 20197, \text{ or } 21033 \pmod{22572}$ except $n = 837$
99	58	$n \equiv 1, 2233, 7425, 7569, 12529, 12673, 17865, \text{ or } 20097 \pmod{22968}$ except $n = 2233, 7425, 7569$
99	59	$n \equiv 1, 649, 2773, 3069, 5193, 5841, 7965, \text{ or } 21241 \pmod{23364}$ except $n = 649, 2773, 3069, 5193, 5841, 7965$
99	60	$n \equiv 1, 3025, 4401, 7425, 9505, 13905, 17281, \text{ or } 21681 \pmod{23760}$ except $n = 3025, 4401, 7425, 9505$
99	61	$n \equiv 1, 793, 6589, 7381, 10737, 11529, 17325, \text{ or } 18117 \pmod{24156}$ except $n = 793, 6589, 7381, 10737, 11529$
99	62	$n \equiv 1, 2233, 13113, 15345, 15841, 18073, 21825, \text{ or } 24057 \pmod{24552}$ except $n = 2233$
99	63	$n \equiv 1, 6237, 7777, 9801, 11341, 19845, 21385, \text{ or } 23409 \pmod{24948}$ except $n = 6237, 7777, 9801, 11341$
99	64	$n \equiv 1, 2817, 4609, \text{ or } 7425 \pmod{25344}$ except $n = 2817, 4609, 7425$
99	65	$n \equiv 1, 3861, 4005, 5005, 5941, 9361, 9945, 13365, 14301,$ $15301, 15445, 19305, 20241, 21385, 23661, \text{ or } 24805 \pmod{25740}$ except $n = 3861, 4005, 5005, 5941, 9361, 9945$
99	66	$n \equiv 1, 3025, 6777, \text{ or } 9801 \pmod{26136}$ except $n = 3025, 6777, 9801$
99	67	$n \equiv 1, 6633, 10989, 12529, 16281, 16885, 20637, \text{ or } 22177 \pmod{26532}$ except $n = 6633, 10989, 12529$
99	68	$n \equiv 1, 1089, 5985, 12529, 17425, 18513, 22033, \text{ or } 23409 \pmod{26928}$ except $n = 1089, 5985, 12529$
99	69	$n \equiv 1, 2025, 3565, 5589, 14905, 16929, 18469, \text{ or } 20493 \pmod{27324}$ except $n = 2025, 3565, 5589$
99	70	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$

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Table 98: Superspectra for  $p = 99$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	71	$n \equiv 1, 7029, 10153, 14697, 17325, 17821, 20449, \text{ or } 24993 \pmod{28116}$ except $n = 7029, 10153$
99	72	$n \equiv 1, 7777, 9153, \text{ or } 16929 \pmod{28512}$ except $n = 7777, 9153$
99	73	$n \equiv 1, 2629, 3213, 5841, 15841, 18469, 19053, \text{ or } 21681 \pmod{28908}$ except $n = 2629, 3213, 5841$
99	74	$n \equiv 1, 297, 9361, 12321, 13321, 16281, 25345, \text{ or } 25641 \pmod{29304}$ except $n = 297, 9361, 12321, 13321$
99	75	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801, \text{ or } 27325 \pmod{29700}$ except $n = 2025, 3025, 4401, 5401, 7425, 9801$
99	76	$n \equiv 1, 4257, 5985, 10945, 12673, 16929, 23409, \text{ or } 23617 \pmod{30096}$ except $n = 4257, 5985, 10945, 12673$
99	77	$n \equiv 1, 3025, 6777, 9801, 13069, 16093, 19845, \text{ or } 22869 \pmod{30492}$ except $n = 3025, 6777, 9801, 13069$
99	78	$n \equiv 1, 9153, 10153, 19305, 19657, 21385, 28809, \text{ or } 30537 \pmod{30888}$ except $n = 9153, 10153$
99	79	$n \equiv 1, 7821, 8217, 13509, 13905, 25201, 25597, \text{ or } 30889 \pmod{31284}$ except $n = 7821, 8217, 13509, 13905$
99	80	$n \equiv 1, 7425, 10945, 13761, 17281, 21825, 25345, \text{ or } 28161 \pmod{31680}$ except $n = 7425, 10945, 13761$
99	81	$n \equiv 1, 24057, 26973, \text{ or } 29161 \pmod{32076}$
99	82	$n \equiv 1, 3609, 8569, 12177, 17425, 21033, 23617, \text{ or } 27225 \pmod{32472}$ except $n = 3609, 8569, 12177$
99	83	$n \equiv 1, 8217, 8965, 13861, 18261, 22825, 27225, \text{ or } 32121 \pmod{32868}$ except $n = 8217, 8965, 13861$
99	84	$n \equiv 1, 3025, 4753, 7777, 23409, 26433, 28161, \text{ or } 31185 \pmod{33264}$ except $n = 3025, 4753, 7777$
99	85	$n \equiv 1, 3961, 5985, 7821, 9945, 11781, 13465, 15301, 17425,$ $19261, 21285, 25245, 26181, 28765, 30141, \text{ or } 32725 \pmod{33660}$ except $n = 3961, 5985, 7821, 9945, 11781, 13465, 15301$

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Table 98: Superspectra for  $p = 99$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	86	$n \equiv 1, 4257, 6193, 7569, 13761, 24553, 30745, \text{ or } 32121 \pmod{34056}$ except $n = 4257, 6193, 7569, 13761$
99	87	$n \equiv 1, 1189, 7425, 8613, 12529, 13717, 29349, \text{ or } 30537 \pmod{34452}$ except $n = 1189, 7425, 8613, 12529, 13717$
99	88	$n \equiv 1, 1089, 15489, \text{ or } 20449 \pmod{34848}$ except $n = 1089, 15489$
99	89	$n \equiv 1, 4005, 7921, 18513, 22429, 26433, 30349, \text{ or } 31329 \pmod{35244}$ except $n = 4005, 7921$
99	90	$n \equiv 1, 2025, 9801, 14905, 16281, 21385, 29161, \text{ or } 31185 \pmod{35640}$ except $n = 2025, 9801, 14905, 16281$
99	91	$n \equiv 1, 4005, 5005, 9009, 10297, 11089, 14301, 15093, 19657,$ $21385, 23661, 25389, 29953, 30745, 33957, \text{ or } 34749 \pmod{36036}$ except $n = 4005, 5005, 9009, 10297, 11089, 14301, 15093$
99	92	$n \equiv 1, 9361, 12673, 16929, 20241, 29601, 32913, \text{ or } 33121 \pmod{36432}$ except $n = 9361, 12673, 16929$
99	93	$n \equiv 1, 837, 3565, 24057, 26785, 27621, 30349, \text{ or } 34101 \pmod{36828}$ except $n = 837, 3565$
99	94	$n \equiv 1, 1881, 10153, 13113, 21385, 23265, 28953, \text{ or } 31537 \pmod{37224}$ except $n = 1881, 10153, 13113$
99	95	$n \equiv 1, 1045, 1881, 3421, 5985, 7525, 8361, 9405, 10945,$ $11781, 15885, 19305, 27721, 31141, 35245, \text{ or } 36081 \pmod{37620}$ except $n = 1045, 1881, 3421, 5985, 7525,$ $8361, 9405, 10945, 11781, 15885$
99	96	$n \equiv 1, 7425, 17281, \text{ or } 28161 \pmod{38016}$ except $n = 7425, 17281$
99	97	$n \equiv 1, 4753, 6985, 11737, 17073, 21825, 24057, \text{ or } 28809 \pmod{38412}$ except $n = 4753, 6985, 11737, 17073$
99	98	$n \equiv 1, 441, 4753, 9801, 14113, 14553, 18865, \text{ or } 34497 \pmod{38808}$ except $n = 441, 4753, 9801, 14113, 14553, 18865$
99	99	$n \equiv 1, 9801, 19845, \text{ or } 29161 \pmod{39204}$ except $n = 9801$

*continued on next page*



Table 98: Superspectra for  $p = 99$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	100	$n \equiv 1, 3025, 4401, 7425, 17425, 21825, 25201, \text{ or } 29601 \pmod{39600}$ except $n = 3025, 4401, 7425, 17425$
99	101	$n \equiv 1, 7777, 14949, 15049, 22221, 29997, 32725, \text{ or } 37269 \pmod{39996}$ except $n = 7777, 14949, 15049$
99	102	$n \equiv 1, 5049, 12529, 14553, 22033, 23409, 30889, \text{ or } 32913 \pmod{40392}$ except $n = 5049, 12529, 14553$
99	103	$n \equiv 1, 10197, 13905, 19261, 22969, 28017, 31725, \text{ or } 37081 \pmod{40788}$ except $n = 10197, 13905, 19261$
99	104	$n \equiv 1, 9153, 20449, 29601, 29953, 31681, 39105, \text{ or } 40833 \pmod{41184}$ except $n = 9153, 20449$
99	105	$n \equiv 1, 1485, 3025, 9801, 11341, 19845, 21385, 28161, 29701,$ $31185, 31725, 32725, 33265, 39501, 40041, \text{ or } 41041 \pmod{41580}$ except $n = 1485, 3025, 9801, 11341, 19845$
99	106	$n \equiv 1, 3817, 14257, 18073, 18657, 22473, 32913, \text{ or } 36729 \pmod{41976}$ except $n = 3817, 14257, 18073, 18657$
99	107	$n \equiv 1, 10593, 14553, 15301, 19261, 33705, 37665, \text{ or } 38413 \pmod{42372}$ except $n = 10593, 14553, 15301, 19261$
99	108	$n \equiv 1, 2673, 7777, \text{ or } 37665 \pmod{42768}$ except $n = 2673, 7777$
99	109	$n \equiv 1, 4797, 11881, 15697, 16677, 20493, 27577, \text{ or } 32373 \pmod{43164}$ except $n = 4797, 11881, 15697, 16677, 20493$
99	110	$n \equiv 1, 3025, 9801, 17425, 24201, 27225, 29161, \text{ or } 41625 \pmod{43560}$ except $n = 3025, 9801, 17425$
99	111	$n \equiv 1, 297, 10693, 10989, 16281, 26973, 27973, \text{ or } 38665 \pmod{43956}$ except $n = 297, 10693, 10989, 16281$
99	112	$n \equiv 1, 20097, 26433, 28161, 29953, 34497, 36289, \text{ or } 38017 \pmod{44352}$ except $n = 20097$
99	113	$n \equiv 1, 9153, 9945, 23617, 24409, 33561, 34353, \text{ or } 43957 \pmod{44748}$ except $n = 9153, 9945$

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Table 98: Superspectra for  $p = 99$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
99	114	$n \equiv 1, 16929, 19305, 21033, 23409, 38665, 41041, \text{ or } 42769 \pmod{45144}$ except $n = 16929, 19305, 21033$
99	115	$n \equiv 1, 2025, 3565, 7821, 9361, 11385, 14905, 20241, 21781,$ $23805, 27325, 29601, 33121, 35145, 36685, \text{ or } 42021 \pmod{45540}$ except $n = 2025, 3565, 7821, 9361, 11385, 14905, 20241, 21781$
99	116	$n \equiv 1, 7425, 7569, 12529, 12673, 20097, 25201, \text{ or } 40833 \pmod{45936}$ except $n = 7425, 7569, 12529, 12673, 20097$
99	117	$n \equiv 1, 4213, 9153, 13365, 21385, 25597, 30537, \text{ or } 34749 \pmod{46332}$ except $n = 4213, 9153, 13365, 21385$
99	118	$n \equiv 1, 649, 5193, 5841, 21241, 26137, 26433, \text{ or } 31329 \pmod{46728}$ except $n = 649, 5193, 5841, 21241$
99	119	$n \equiv 1, 3213, 5797, 5985, 8569, 11781, 14553, 23409, 24157,$ $26181, 26929, 31977, 32725, 34749, 35497, \text{ or } 44353 \pmod{47124}$ except $n = 3213, 5797, 5985, 8569, 11781, 14553, 23409$
99	120	$n \equiv 1, 7425, 9505, 17281, 26785, 28161, 37665, \text{ or } 45441 \pmod{47520}$ except $n = 7425, 9505, 17281$
99	121	$n \equiv 1, 35937, 37269, \text{ or } 46585 \pmod{47916}$
99	122	$n \equiv 1, 793, 10737, 11529, 30745, 31537, 41481, \text{ or } 42273 \pmod{48312}$ except $n = 793, 10737, 11529$
99	123	$n \equiv 1, 1189, 10989, 12177, 19845, 21033, 39853, \text{ or } 41041 \pmod{48708}$ except $n = 1189, 10989, 12177, 19845, 21033$
99	124	$n \equiv 1, 15345, 15841, 21825, 26785, 37665, 42625, \text{ or } 48609 \pmod{49104}$ except $n = 15345, 15841, 21825$
99	125	$n \equiv 1, 37125, 39501, 41625, 42625, 44001, 45001, \text{ or } 47125 \pmod{49500}$
99	126	$n \equiv 1, 7777, 9801, 21385, 23409, 31185, 36289, \text{ or } 44793 \pmod{49896}$ except $n = 7777, 9801, 21385, 23409$
99	127	$n \equiv 1, 5589, 6985, 12573, 13717, 19305, 43561, \text{ or } 49149 \pmod{50292}$ except $n = 5589, 6985, 12573, 13717, 19305$
99	128	$n \equiv 1, 4609, 28161, \text{ or } 32769 \pmod{50688}$ except $n = 4609$

Table 99: Superspectra of  $C_{2^k}^p$  for  $p = 100$

$p$	$k$	$\text{SSpec}(C_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
100	2	$n \equiv 1$ or $225 \pmod{800}$ except $n = 225$
100	3	$n \equiv 1, 225, 625,$ or $801 \pmod{1200}$ except $n = 225$
100	4	$n \equiv 1$ or $1025 \pmod{1600}$
100	5	$n \equiv 1$ or $625 \pmod{2000}$ except $n = 625$
100	6	$n \equiv 1, 225, 801,$ or $1825 \pmod{2400}$ except $n = 225, 801$
100	7	$n \equiv 1, 225, 2401,$ or $2625 \pmod{2800}$ except $n = 225$
100	8	$n \equiv 1$ or $1025 \pmod{3200}$ except $n = 1025$
100	9	$n \equiv 1, 225, 801,$ or $3025 \pmod{3600}$ except $n = 225, 801$
100	10	$n \equiv 1$ or $2625 \pmod{4000}$
100	11	$n \equiv 1, 3025, 3201,$ or $4225 \pmod{4400}$
100	12	$n \equiv 1, 2625, 3201,$ or $4225 \pmod{4800}$
100	13	$n \equiv 1, 625, 3601,$ or $4225 \pmod{5200}$ except $n = 625$
100	14	$n \equiv 1, 225, 2401,$ or $2625 \pmod{5600}$ except $n = 225, 2401, 2625$
100	15	$n \equiv 1, 625, 2001,$ or $2625 \pmod{6000}$ except $n = 625, 2001, 2625$
100	16	$n \equiv 1$ or $1025 \pmod{6400}$ except $n = 1025$
100	17	$n \equiv 1, 3825, 4625,$ or $6001 \pmod{6800}$
100	18	$n \equiv 1, 225, 801,$ or $6625 \pmod{7200}$ except $n = 225, 801$
100	19	$n \equiv 1, 1425, 1825,$ or $7201 \pmod{7600}$ except $n = 1425, 1825$
100	20	$n \equiv 1$ or $2625 \pmod{8000}$ except $n = 2625$
100	21	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601,$ or $8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
100	22	$n \equiv 1, 3201, 4225,$ or $7425 \pmod{8800}$ except $n = 3201, 4225$
100	23	$n \equiv 1, 2001, 6625,$ or $8625 \pmod{9200}$ except $n = 2001$
100	24	$n \equiv 1, 3201, 4225,$ or $7425 \pmod{9600}$ except $n = 3201, 4225$

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Table 99: Superspectra for  $p = 100$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
100	25	$n \equiv 1$ or $625 \pmod{10000}$ except $n = 625$
100	26	$n \equiv 1, 4225, 5825, \text{ or } 8801 \pmod{10400}$ except $n = 4225$
100	27	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
100	28	$n \equiv 1, 2625, 5825, \text{ or } 8001 \pmod{11200}$ except $n = 2625$
100	29	$n \equiv 1, 2001, 7425, \text{ or } 9425 \pmod{11600}$ except $n = 2001$
100	30	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
100	31	$n \equiv 1, 5425, 8401, \text{ or } 9425 \pmod{12400}$ except $n = 5425$
100	32	$n \equiv 1$ or $1025 \pmod{12800}$ except $n = 1025$
100	33	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
100	34	$n \equiv 1, 10625, 11425, \text{ or } 12801 \pmod{13600}$
100	35	$n \equiv 1, 2625, 8001, \text{ or } 8625 \pmod{14000}$ except $n = 2625$
100	36	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
100	37	$n \equiv 1, 4625, 6401, \text{ or } 13025 \pmod{14800}$ except $n = 4625, 6401$
100	38	$n \equiv 1, 1825, 7201, \text{ or } 9025 \pmod{15200}$ except $n = 1825, 7201$
100	39	$n \equiv 1, 625, 3601, 4225, 10401, 11025, 14001, \text{ or } 14625 \pmod{15600}$ except $n = 625, 3601, 4225$
100	40	$n \equiv 1$ or $10625 \pmod{16000}$
100	41	$n \equiv 1, 1025, 2625, \text{ or } 14801 \pmod{16400}$ except $n = 1025, 2625$
100	42	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
100	43	$n \equiv 1, 11825, 13201, \text{ or } 15825 \pmod{17200}$
100	44	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{17600}$ except $n = 3201, 4225, 7425$
100	45	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{18000}$ except $n = 6625, 8001$
100	46	$n \equiv 1, 6625, 11201, \text{ or } 17825 \pmod{18400}$ except $n = 6625$
100	47	$n \equiv 1, 8225, 9025, \text{ or } 18001 \pmod{18800}$ except $n = 8225, 9025$

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Table 99: Superspectra for  $p = 100$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
100	48	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
100	49	$n \equiv 1, 2401, 8625, \text{ or } 11025 \pmod{19600}$ except $n = 2401, 8625$
100	50	$n \equiv 1 \text{ or } 10625 \pmod{20000}$
100	51	$n \equiv 1, 3825, 6001, 6801, 11425, 12801, 17425, \text{ or } 18225 \pmod{20400}$ except $n = 3825, 6001, 6801$
100	52	$n \equiv 1, 4225, 5825, \text{ or } 19201 \pmod{20800}$ except $n = 4225, 5825$
100	53	$n \equiv 1, 6625, 11025, \text{ or } 16801 \pmod{21200}$ except $n = 6625$
100	54	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
100	55	$n \equiv 1, 8625, 12001, \text{ or } 20625 \pmod{22000}$ except $n = 8625$
100	56	$n \equiv 1, 13825, 17025, \text{ or } 19201 \pmod{22400}$
100	57	$n \equiv 1, 1425, 1825, 7201, 9025, 15201, 17025, \text{ or } 22401 \pmod{22800}$ except $n = 1425, 1825, 7201, 9025$
100	58	$n \equiv 1, 7425, 13601, \text{ or } 21025 \pmod{23200}$ except $n = 7425$
100	59	$n \equiv 1, 16225, 19825, \text{ or } 20001 \pmod{23600}$
100	60	$n \equiv 1, 2625, 8001, \text{ or } 18625 \pmod{24000}$ except $n = 2625, 8001$
100	61	$n \equiv 1, 19825, 20801, \text{ or } 23425 \pmod{24400}$
100	62	$n \equiv 1, 17825, 20801, \text{ or } 21825 \pmod{24800}$
100	63	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
100	64	$n \equiv 1 \text{ or } 1025 \pmod{25600}$ except $n = 1025$
100	65	$n \equiv 1, 625, 14001, \text{ or } 14625 \pmod{26000}$ except $n = 625$
100	66	$n \equiv 1, 3201, 4225, 7425, 12001, 16225, 17601, \text{ or } 21825 \pmod{26400}$ except $n = 3201, 4225, 7425, 12001$
100	67	$n \equiv 1, 5025, 13601, \text{ or } 18225 \pmod{26800}$ except $n = 5025$
100	68	$n \equiv 1, 10625, 12801, \text{ or } 25025 \pmod{27200}$ except $n = 10625, 12801$
100	69	$n \equiv 1, 2001, 6625, 8625, 9201, 15825, 20401, \text{ or } 27025 \pmod{27600}$ except $n = 2001, 6625, 8625, 9201$

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Table 99: Superspectra for  $p = 100$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
100	70	$n \equiv 1, 2625, 8001, \text{ or } 22625 \pmod{28000}$ except $n = 2625, 8001$
100	71	$n \equiv 1, 10225, 16401, \text{ or } 26625 \pmod{28400}$ except $n = 10225$
100	72	$n \equiv 1, 7425, 13825, \text{ or } 22401 \pmod{28800}$ except $n = 7425, 13825$
100	73	$n \equiv 1, 1825, 10001, \text{ or } 21025 \pmod{29200}$ except $n = 1825, 10001$
100	74	$n \equiv 1, 6401, 13025, \text{ or } 19425 \pmod{29600}$ except $n = 6401, 13025$
100	75	$n \equiv 1, 625, 20001, \text{ or } 20625 \pmod{30000}$ except $n = 625$
100	76	$n \equiv 1, 9025, 17025, \text{ or } 22401 \pmod{30400}$ except $n = 9025$
100	77	$n \equiv 1, 3025, 8625, 16401, 22001, 25025, 25201, \text{ or } 30625 \pmod{30800}$ except $n = 3025, 8625$
100	78	$n \equiv 1, 4225, 10401, 14625, 16225, 19201, 26625, \text{ or } 29601 \pmod{31200}$ except $n = 4225, 10401, 14625$
100	79	$n \equiv 1, 13825, 20225, \text{ or } 25201 \pmod{31600}$ except $n = 13825$
100	80	$n \equiv 1 \text{ or } 26625 \pmod{32000}$
100	81	$n \equiv 1, 18225, 24625, \text{ or } 26001 \pmod{32400}$
100	82	$n \equiv 1, 1025, 2625, \text{ or } 31201 \pmod{32800}$ except $n = 1025, 2625$
100	83	$n \equiv 1, 6225, 10625, \text{ or } 28801 \pmod{33200}$ except $n = 6225, 10625$
100	84	$n \equiv 1, 2625, 8001, 13825, 17025, 19201, 22401, \text{ or } 28225 \pmod{33600}$ except $n = 2625, 8001, 13825$
100	85	$n \equiv 1, 4625, 6001, \text{ or } 10625 \pmod{34000}$ except $n = 4625, 6001, 10625$
100	86	$n \equiv 1, 29025, 30401, \text{ or } 33025 \pmod{34400}$
100	87	$n \equiv 1, 2001, 7425, 11601, 21025, 25201, 30625, \text{ or } 32625 \pmod{34800}$ except $n = 2001, 7425, 11601$
100	88	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{35200}$ except $n = 3201, 4225, 7425$
100	89	$n \equiv 1, 801, 1425, \text{ or } 2225 \pmod{35600}$ except $n = 801, 1425, 2225$
100	90	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{36000}$ except $n = 6625, 8001, 14625$
100	91	$n \equiv 1, 5201, 5825, 11025, 14001, 19201, 19825, \text{ or } 25025 \pmod{36400}$ except $n = 5201, 5825, 11025, 14001$

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Table 99: Superspectra for  $p = 100$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
100	92	$n \equiv 1, 11201, 25025, \text{ or } 36225 \pmod{36800}$ except $n = 11201$
100	93	$n \equiv 1, 5425, 8401, 21825, 24801, 30225, 33201, \text{ or } 34225 \pmod{37200}$ except $n = 5425, 8401$
100	94	$n \equiv 1, 8225, 9025, \text{ or } 36801 \pmod{37600}$ except $n = 8225, 9025$
100	95	$n \equiv 1, 16625, 24625, \text{ or } 30001 \pmod{38000}$ except $n = 16625$
100	96	$n \equiv 1, 12801, 13825, \text{ or } 26625 \pmod{38400}$ except $n = 12801, 13825$
100	97	$n \equiv 1, 3201, 18625, \text{ or } 21825 \pmod{38800}$ except $n = 3201, 18625$
100	98	$n \equiv 1, 2401, 28225, \text{ or } 30625 \pmod{39200}$ except $n = 2401$
100	99	$n \equiv 1, 3025, 4401, 7425, 17425, 21825, 25201, \text{ or } 29601 \pmod{39600}$ except $n = 3025, 4401, 7425, 17425$
100	100	$n \equiv 1 \text{ or } 10625 \pmod{40000}$ except $n = 10625$
100	101	$n \equiv 1, 12625, 22625, \text{ or } 30401 \pmod{40400}$ except $n = 12625$
100	102	$n \equiv 1, 11425, 12801, 24225, 26401, 27201, 37825, \text{ or } 38625 \pmod{40800}$ except $n = 11425, 12801$
100	103	$n \equiv 1, 17201, 21425, \text{ or } 38625 \pmod{41200}$ except $n = 17201$
100	104	$n \equiv 1, 4225, 19201, \text{ or } 26625 \pmod{41600}$ except $n = 4225, 19201$
100	105	$n \equiv 1, 2625, 8001, 8625, 14001, 30625, 36001, \text{ or } 36625 \pmod{42000}$ except $n = 2625, 8001, 8625, 14001$
100	106	$n \equiv 1, 6625, 16801, \text{ or } 32225 \pmod{42400}$ except $n = 6625, 16801$
100	107	$n \equiv 1, 3425, 26001, \text{ or } 29425 \pmod{42800}$ except $n = 3425$
100	108	$n \equiv 1, 7425, 13825, \text{ or } 36801 \pmod{43200}$ except $n = 7425, 13825$
100	109	$n \equiv 1, 35425, 36625, \text{ or } 42401 \pmod{43600}$
100	110	$n \equiv 1, 12001, 30625, \text{ or } 42625 \pmod{44000}$ except $n = 12001$
100	111	$n \equiv 1, 19425, 21201, 27825, 29601, 34225, 36001, \text{ or } 42625 \pmod{44400}$ except $n = 19425, 21201$
100	112	$n \equiv 1, 13825, 19201, \text{ or } 39425 \pmod{44800}$ except $n = 13825, 19201$
100	113	$n \equiv 1, 5425, 20001, \text{ or } 25425 \pmod{45200}$ except $n = 5425, 20001$

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Table 99: Superspectra for  $p = 100$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
100	114	$n \equiv 1, 1825, 7201, 9025, 15201, 17025, 22401, \text{ or } 24225 \pmod{45600}$ except $n = 1825, 7201, 9025, 15201, 17025, 22401$
100	115	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{46000}$ except $n = 2001, 6625, 8625$
100	116	$n \equiv 1, 7425, 36801, \text{ or } 44225 \pmod{46400}$ except $n = 7425$
100	117	$n \equiv 1, 3601, 11025, 14625, 26001, 29601, 31825, \text{ or } 35425 \pmod{46800}$ except $n = 3601, 11025, 14625$
100	118	$n \equiv 1, 16225, 20001, \text{ or } 43425 \pmod{47200}$ except $n = 16225, 20001$
100	119	$n \equiv 1, 11425, 13601, 19601, 25025, 31025, 33201, \text{ or } 44625 \pmod{47600}$ except $n = 11425, 13601, 19601$
100	120	$n \equiv 1, 26625, 32001, \text{ or } 42625 \pmod{48000}$
100	121	$n \equiv 1, 3025, 17425, \text{ or } 34001 \pmod{48400}$ except $n = 3025, 17425$
100	122	$n \equiv 1, 20801, 23425, \text{ or } 44225 \pmod{48800}$ except $n = 20801, 23425$
100	123	$n \equiv 1, 2625, 16401, 17425, 31201, 33825, 35425, \text{ or } 47601 \pmod{49200}$ except $n = 2625, 16401, 17425$
100	124	$n \equiv 1, 20801, 21825, \text{ or } 42625 \pmod{49600}$ except $n = 20801, 21825$
100	125	$n \equiv 1 \text{ or } 40625 \pmod{50000}$
100	126	$n \equiv 1, 225, 8001, 13825, 22401, 28225, 36001, \text{ or } 36225 \pmod{50400}$ except $n = 225, 8001, 13825, 22401$
100	127	$n \equiv 1, 8001, 14225, \text{ or } 22225 \pmod{50800}$ except $n = 8001, 14225, 22225$
100	128	$n \equiv 1 \text{ or } 26625 \pmod{51200}$

Table 100: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 101$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
101	2	$n \equiv 1 \text{ or } 505 \pmod{808}$
101	3	$n \equiv 1, 405, 505, \text{ or } 909 \pmod{1212}$ except $n = 405, 505$

*continued on next page*



Table 100: Superspectra for  $p = 101$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
101	4	$n \equiv 1$ or $1313 \pmod{1616}$
101	5	$n \equiv 1, 101, 405, \text{ or } 505 \pmod{2020}$ except $n = 101, 405, 505$
101	6	$n \equiv 1, 505, 1617, \text{ or } 2121 \pmod{2424}$ except $n = 505$
101	7	$n \equiv 1, 505, 1617, \text{ or } 2121 \pmod{2828}$ except $n = 505$
101	8	$n \equiv 1$ or $1313 \pmod{3232}$ except $n = 1313$
101	9	$n \equiv 1, 405, 505, \text{ or } 909 \pmod{3636}$ except $n = 405, 505, 909$
101	10	$n \equiv 1, 505, 2121, \text{ or } 2425 \pmod{4040}$ except $n = 505$
101	11	$n \equiv 1, 1617, 1717, \text{ or } 3333 \pmod{4444}$ except $n = 1617, 1717$
101	12	$n \equiv 1, 1617, 2929, \text{ or } 4545 \pmod{4848}$ except $n = 1617$
101	13	$n \equiv 1, 1313, 1717, \text{ or } 4849 \pmod{5252}$ except $n = 1313, 1717$
101	14	$n \equiv 1, 505, 1617, \text{ or } 2121 \pmod{5656}$ except $n = 505, 1617, 2121$
101	15	$n \equiv 1, 405, 505, 2121, 2425, 4041, 4141, \text{ or } 4545 \pmod{6060}$ except $n = 405, 505, 2121, 2425$
101	16	$n \equiv 1$ or $4545 \pmod{6464}$
101	17	$n \equiv 1, 1717, 3333, \text{ or } 5253 \pmod{6868}$ except $n = 1717, 3333$
101	18	$n \equiv 1, 505, 4041, \text{ or } 4545 \pmod{7272}$ except $n = 505$
101	19	$n \equiv 1, 5757, 6061, \text{ or } 7373 \pmod{7676}$
101	20	$n \equiv 1, 4545, 6161, \text{ or } 6465 \pmod{8080}$
101	21	$n \equiv 1, 505, 1617, 2121, 2829, 3333, 7273, \text{ or } 7777 \pmod{8484}$ except $n = 505, 1617, 2121, 2829, 3333$
101	22	$n \equiv 1, 1617, 6161, \text{ or } 7777 \pmod{8888}$ except $n = 1617$
101	23	$n \equiv 1, 2829, 4141, \text{ or } 6969 \pmod{9292}$ except $n = 2829, 4141$
101	24	$n \equiv 1, 4545, 6465, \text{ or } 7777 \pmod{9696}$ except $n = 4545$
101	25	$n \equiv 1, 101, 2425, \text{ or } 2525 \pmod{10100}$ except $n = 101, 2425, 2525$
101	26	$n \equiv 1, 1313, 4849, \text{ or } 6969 \pmod{10504}$ except $n = 1313, 4849$
101	27	$n \equiv 1, 405, 7777, \text{ or } 8181 \pmod{10908}$ except $n = 405$

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Table 100: Superspectra for  $p = 101$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
101	28	$n \equiv 1, 1617, 6161, \text{ or } 7777 \pmod{11312}$ except $n = 1617$
101	29	$n \equiv 1, 2929, 6061, \text{ or } 8585 \pmod{11716}$ except $n = 2929$
101	30	$n \equiv 1, 505, 2121, 2425, 4041, 4545, 6465, \text{ or } 10201 \pmod{12120}$ except $n = 505, 2121, 2425, 4041, 4545$
101	31	$n \equiv 1, 9393, 9797, \text{ or } 12121 \pmod{12524}$
101	32	$n \equiv 1 \text{ or } 11009 \pmod{12928}$
101	33	$n \equiv 1, 1617, 1717, 3333, 6061, 7777, 8889, \text{ or } 10605 \pmod{13332}$ except $n = 1617, 1717, 3333, 6061$
101	34	$n \equiv 1, 8585, 10201, \text{ or } 12121 \pmod{13736}$
101	35	$n \equiv 1, 505, 2121, 4445, 6161, 8485, 10101, \text{ or } 10605 \pmod{14140}$ except $n = 505, 2121, 4445, 6161$
101	36	$n \equiv 1, 4545, 7777, \text{ or } 11313 \pmod{14544}$ except $n = 4545$
101	37	$n \equiv 1, 3737, 8585, \text{ or } 10101 \pmod{14948}$ except $n = 3737$
101	38	$n \equiv 1, 13433, 13737, \text{ or } 15049 \pmod{15352}$
101	39	$n \equiv 1, 1717, 4849, 5253, 6565, 6969, 10101, \text{ or } 11817 \pmod{15756}$ except $n = 1717, 4849, 5253, 6565, 6969$
101	40	$n \equiv 1, 4545, 6465, \text{ or } 14241 \pmod{16160}$ except $n = 4545, 6465$
101	41	$n \equiv 1, 1313, 2829, \text{ or } 4141 \pmod{16564}$ except $n = 1313, 2829, 4141$
101	42	$n \equiv 1, 505, 1617, 2121, 7273, 7777, 11313, \text{ or } 11817 \pmod{16968}$ except $n = 505, 1617, 2121, 7273, 7777$
101	43	$n \equiv 1, 2021, 11009, \text{ or } 13029 \pmod{17372}$ except $n = 2021$
101	44	$n \equiv 1, 1617, 6161, \text{ or } 7777 \pmod{17776}$ except $n = 1617, 6161, 7777$
101	45	$n \equiv 1, 405, 505, 4041, 4141, 4545, 8181, \text{ or } 14545 \pmod{18180}$ except $n = 405, 505, 4041, 4141, 4545, 8181$
101	46	$n \equiv 1, 6969, 12121, \text{ or } 13433 \pmod{18584}$ except $n = 6969$
101	47	$n \equiv 1, 2021, 12221, \text{ or } 14241 \pmod{18988}$ except $n = 2021$
101	48	$n \equiv 1, 4545, 6465, \text{ or } 17473 \pmod{19392}$ except $n = 4545, 6465$

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Table 100: Superspectra for  $p = 101$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
101	49	$n \equiv 1, 1617, 3333, \text{ or } 4949 \pmod{19796}$ except $n = 1617, 3333, 4949$
101	50	$n \equiv 1, 2425, 10201, \text{ or } 12625 \pmod{20200}$ except $n = 2425$
101	51	$n \equiv 1, 1717, 3333, 5253, 10201, 12121, 13737, \text{ or } 15453 \pmod{20604}$ except $n = 1717, 3333, 5253, 10201$
101	52	$n \equiv 1, 1313, 4849, \text{ or } 17473 \pmod{21008}$ except $n = 1313, 4849$
101	53	$n \equiv 1, 2121, 3233, \text{ or } 5353 \pmod{21412}$ except $n = 2121, 3233, 5353$
101	54	$n \equiv 1, 7777, 11313, \text{ or } 19089 \pmod{21816}$ except $n = 7777$
101	55	$n \equiv 1, 4445, 6061, 6161, 10505, 10605, 12221, \text{ or } 16665 \pmod{22220}$ except $n = 4445, 6061, 6161, 10505, 10605$
101	56	$n \equiv 1, 7777, 12929, \text{ or } 17473 \pmod{22624}$ except $n = 7777$
101	57	$n \equiv 1, 5757, 6061, 7677, 13737, 15049, 21109, \text{ or } 22725 \pmod{23028}$ except $n = 5757, 6061, 7677$
101	58	$n \equiv 1, 2929, 8585, \text{ or } 17777 \pmod{23432}$ except $n = 2929, 8585$
101	59	$n \equiv 1, 17877, 18585, \text{ or } 23129 \pmod{23836}$
101	60	$n \equiv 1, 4545, 6465, 12625, 14241, 14545, 16161, \text{ or } 22321 \pmod{24240}$ except $n = 4545, 6465$
101	61	$n \equiv 1, 2929, 3233, \text{ or } 6161 \pmod{24644}$ except $n = 2929, 3233, 6161$
101	62	$n \equiv 1, 9393, 12121, \text{ or } 22321 \pmod{25048}$ except $n = 9393, 12121$
101	63	$n \equiv 1, 505, 7273, 7777, 11313, 11817, 18585, \text{ or } 19089 \pmod{25452}$ except $n = 505, 7273, 7777, 11313, 11817$
101	64	$n \equiv 1 \text{ or } 11009 \pmod{25856}$ except $n = 11009$
101	65	$n \equiv 1, 6565, 10101, 10505, 12221, 20605, 22321, \text{ or } 22725 \pmod{26260}$ except $n = 6565, 10101, 10505, 12221$
101	66	$n \equiv 1, 1617, 7777, 8889, 15049, 16665, 19393, \text{ or } 23937 \pmod{26664}$ except $n = 1617, 7777, 8889$
101	67	$n \equiv 1, 6969, 13333, \text{ or } 20301 \pmod{27068}$ except $n = 6969, 13333$
101	68	$n \equiv 1, 22321, 23937, \text{ or } 25857 \pmod{27472}$

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Table 100: Superspectra for  $p = 101$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
101	69	$n \equiv 1, 2829, 4141, 6969, 12121, 16261, 18585, \text{ or } 22725 \pmod{27876}$ except $n = 2829, 4141, 6969, 12121$
101	70	$n \equiv 1, 505, 2121, 6161, 18585, 22625, 24241, \text{ or } 24745 \pmod{28280}$ except $n = 505, 2121, 6161$
101	71	$n \equiv 1, 4545, 16969, \text{ or } 21513 \pmod{28684}$ except $n = 4545$
101	72	$n \equiv 1, 4545, 7777, \text{ or } 25857 \pmod{29088}$ except $n = 4545, 7777$
101	73	$n \equiv 1, 7373, 13433, \text{ or } 23433 \pmod{29492}$ except $n = 7373, 13433$
101	74	$n \equiv 1, 3737, 8585, \text{ or } 25049 \pmod{29896}$ except $n = 3737, 8585$
101	75	$n \equiv 1, 2425, 10101, 10201, 12525, 12625, 20301, \text{ or } 22725 \pmod{30300}$ except $n = 2425, 10101, 10201, 12525, 12625$
101	76	$n \equiv 1, 28785, 29089, \text{ or } 30401 \pmod{30704}$
101	77	$n \equiv 1, 1617, 3333, 4445, 6161, 7777, 10605, \text{ or } 28281 \pmod{31108}$ except $n = 1617, 3333, 4445, 6161, 7777, 10605$
101	78	$n \equiv 1, 4849, 6969, 11817, 17473, 21009, 22321, \text{ or } 25857 \pmod{31512}$ except $n = 4849, 6969, 11817$
101	79	$n \equiv 1, 9797, 14141, \text{ or } 23937 \pmod{31916}$ except $n = 9797, 14141$
101	80	$n \equiv 1, 4545, 6465, \text{ or } 30401 \pmod{32320}$ except $n = 4545, 6465$
101	81	$n \equiv 1, 405, 7777, \text{ or } 8181 \pmod{32724}$ except $n = 405, 7777, 8181$
101	82	$n \equiv 1, 1313, 19393, \text{ or } 20705 \pmod{33128}$ except $n = 1313$
101	83	$n \equiv 1, 25149, 27473, \text{ or } 31209 \pmod{33532}$
101	84	$n \equiv 1, 1617, 7777, 11313, 17473, 19089, 24241, \text{ or } 28785 \pmod{33936}$ except $n = 1617, 7777, 11313$
101	85	$n \equiv 1, 8585, 10201, 12121, 20605, 22321, 30805, \text{ or } 32725 \pmod{34340}$ except $n = 8585, 10201, 12121$
101	86	$n \equiv 1, 11009, 19393, \text{ or } 30401 \pmod{34744}$ except $n = 11009$
101	87	$n \equiv 1, 2929, 6061, 20301, 23433, 26361, 29493, \text{ or } 32017 \pmod{35148}$ except $n = 2929, 6061$
101	88	$n \equiv 1, 7777, 19393, \text{ or } 23937 \pmod{35552}$ except $n = 7777$

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Table 100: Superspectra for  $p = 101$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
101	89	$n \equiv 1, 8989, 14241, \text{ or } 30705 \pmod{35956}$ except $n = 8989, 14241$
101	90	$n \equiv 1, 505, 4041, 4545, 14545, 18585, 22321, \text{ or } 26361 \pmod{36360}$ except $n = 505, 4041, 4545, 14545$
101	91	$n \equiv 1, 10101, 11817, 15757, 17473, 27573, 31109, \text{ or } 33229 \pmod{36764}$ except $n = 10101, 11817, 15757, 17473$
101	92	$n \equiv 1, 25553, 30705, \text{ or } 32017 \pmod{37168}$
101	93	$n \equiv 1, 9393, 12121, 12525, 22321, 24645, 34441, \text{ or } 34845 \pmod{37572}$ except $n = 9393, 12121, 12525$
101	94	$n \equiv 1, 14241, 21009, \text{ or } 31209 \pmod{37976}$ except $n = 14241$
101	95	$n \equiv 1, 6061, 22725, 28785, 30401, 30705, 36461, \text{ or } 36765 \pmod{38380}$ except $n = 6061$
101	96	$n \equiv 1, 23937, 25857, \text{ or } 36865 \pmod{38784}$
101	97	$n \equiv 1, 2425, 7373, \text{ or } 9797 \pmod{39188}$ except $n = 2425, 7373, 9797$
101	98	$n \equiv 1, 1617, 23129, \text{ or } 24745 \pmod{39592}$ except $n = 1617$
101	99	$n \equiv 1, 7777, 14949, 15049, 22221, 29997, 32725, \text{ or } 37269 \pmod{39996}$ except $n = 7777, 14949, 15049$
101	100	$n \equiv 1, 12625, 22625, \text{ or } 30401 \pmod{40400}$ except $n = 12625$
101	101	$n \equiv 1 \text{ or } 10201 \pmod{40804}$ except $n = 10201$
101	102	$n \equiv 1, 10201, 12121, 13737, 22321, 23937, 25857, \text{ or } 36057 \pmod{41208}$ except $n = 10201, 12121, 13737$
101	103	$n \equiv 1, 5253, 25957, \text{ or } 31209 \pmod{41612}$ except $n = 5253$
101	104	$n \equiv 1, 1313, 17473, \text{ or } 25857 \pmod{42016}$ except $n = 1313, 17473$
101	105	$n \equiv 1, 505, 2121, 8485, 10101, 10605, 16261, 18585, 20301, 24241, 24745, 28281, 28785, 32725, 34441, \text{ or } 36765 \pmod{42420}$ except $n = 505, 2121, 8485, 10101, 10605, 16261, 18585, 20301$
101	106	$n \equiv 1, 2121, 3233, \text{ or } 5353 \pmod{42824}$ except $n = 2121, 3233, 5353$
101	107	$n \equiv 1, 8989, 23433, \text{ or } 32421 \pmod{43228}$ except $n = 8989$
101	108	$n \equiv 1, 7777, 11313, \text{ or } 19089 \pmod{43632}$ except $n = 7777, 11313, 19089$

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Table 100: Superspectra for  $p = 101$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
101	109	$n \equiv 1, 11009, 17877, \text{ or } 37169 \pmod{44036}$ except $n = 11009, 17877$
101	110	$n \equiv 1, 6161, 10505, 16665, 26665, 28281, 32825, \text{ or } 34441 \pmod{44440}$ except $n = 6161, 10505, 16665$
101	111	$n \equiv 1, 10101, 14949, 18685, 23533, 33633, 38481, \text{ or } 39997 \pmod{44844}$ except $n = 10101, 14949, 18685$
101	112	$n \equiv 1, 12929, 17473, \text{ or } 30401 \pmod{45248}$ except $n = 12929, 17473$
101	113	$n \equiv 1, 11413, 27573, \text{ or } 29493 \pmod{45652}$ except $n = 11413$
101	114	$n \equiv 1, 13737, 15049, 28785, 29089, 30705, 44137, \text{ or } 45753 \pmod{46056}$ except $n = 13737, 15049$
101	115	$n \equiv 1, 4141, 12121, 16261, 18585, 22725, 30705, \text{ or } 34845 \pmod{46460}$ except $n = 4141, 12121, 16261, 18585, 22725$
101	116	$n \equiv 1, 2929, 17777, \text{ or } 32017 \pmod{46864}$ except $n = 2929, 17777$
101	117	$n \equiv 1, 11817, 22321, 22725, 25857, 33229, 36361, \text{ or } 36765 \pmod{47268}$ except $n = 11817, 22321, 22725$
101	118	$n \equiv 1, 18585, 23129, \text{ or } 41713 \pmod{47672}$ except $n = 18585, 23129$
101	119	$n \equiv 1, 3333, 32725, 36057, 39593, 41209, 42925, \text{ or } 44541 \pmod{48076}$ except $n = 3333$
101	120	$n \equiv 1, 4545, 6465, 14241, 16161, 36865, 38785, \text{ or } 46561 \pmod{48480}$ except $n = 4545, 6465, 14241, 16161$
101	121	$n \equiv 1, 12221, 23837, \text{ or } 37269 \pmod{48884}$ except $n = 12221, 23837$
101	122	$n \equiv 1, 2929, 3233, \text{ or } 6161 \pmod{49288}$ except $n = 2929, 3233, 6161$
101	123	$n \equiv 1, 2829, 4141, 17877, 19393, 33129, 34441, \text{ or } 37269 \pmod{49692}$ except $n = 2829, 4141, 17877, 19393$
101	124	$n \equiv 1, 9393, 22321, \text{ or } 37169 \pmod{50096}$ except $n = 9393, 22321$
101	125	$n \equiv 1, 12625, 22625, \text{ or } 40501 \pmod{50500}$ except $n = 12625, 22625$
101	126	$n \equiv 1, 505, 7273, 7777, 11313, 11817, 18585, \text{ or } 19089 \pmod{50904}$ except $n = 505, 7273, 7777, 11313, 11817, 18585, 19089$
101	127	$n \equiv 1, 4445, 34037, \text{ or } 38481 \pmod{51308}$ except $n = 4445$

*continued on next page*

Table 100: Superspectra for  $p = 101$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
101	128	$n \equiv 1$ or $36865 \pmod{51712}$

Table 101: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 102$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	2	$n \equiv 1, 273, 289, \text{ or } 561 \pmod{816}$ except $n = 273, 289$
102	3	$n \equiv 1, 153, 289, \text{ or } 1089 \pmod{1224}$ except $n = 153, 289$
102	4	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{1632}$ except $n = 289$
102	5	$n \equiv 1, 561, 681, 1105, 1225, 1785, 1905, \text{ or } 1921 \pmod{2040}$ except $n = 561, 681$
102	6	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{2448}$ except $n = 289, 1089$
102	7	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
102	8	$n \equiv 1, 1089, 1921, \text{ or } 3009 \pmod{3264}$ except $n = 1089$
102	9	$n \equiv 1, 1377, 1513, \text{ or } 3537 \pmod{3672}$ except $n = 1377, 1513$
102	10	$n \equiv 1, 561, 1105, 1905, 1921, 2721, 3265, \text{ or } 3825 \pmod{4080}$ except $n = 561, 1105, 1905, 1921$
102	11	$n \equiv 1, 561, 969, 1089, 1497, 3553, 3961, \text{ or } 4081 \pmod{4488}$ except $n = 561, 969, 1089, 1497$
102	12	$n \equiv 1, 289, 1089, \text{ or } 1377 \pmod{4896}$ except $n = 289, 1089, 1377$
102	13	$n \equiv 1, 273, 1105, 2041, 2601, 3537, 4369, \text{ or } 4641 \pmod{5304}$ except $n = 273, 1105, 2041, 2601$
102	14	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
102	15	$n \equiv 1, 1225, 2601, 3825, 3961, 4761, 5185, \text{ or } 5985 \pmod{6120}$ except $n = 1225, 2601$

*continued on next page*

Table 101: Superspectra for  $p = 102$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	16	$n \equiv 1, 1921, 4353, \text{ or } 6273 \pmod{6528}$ except $n = 1921$
102	17	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{6936}$ except $n = 289, 2313, 2601$
102	18	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
102	19	$n \equiv 1, 153, 817, 969, 2737, 3553, 5169, \text{ or } 5985 \pmod{7752}$ except $n = 153, 817, 969, 2737, 3553$
102	20	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
102	21	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
102	22	$n \equiv 1, 561, 1089, 3553, 4081, 5457, 5985, \text{ or } 8449 \pmod{8976}$ except $n = 561, 1089, 3553, 4081$
102	23	$n \equiv 1, 1105, 1633, 2737, 3129, 4233, 4761, \text{ or } 5865 \pmod{9384}$ except $n = 1105, 1633, 2737, 3129, 4233$
102	24	$n \equiv 1, 1089, 5185, \text{ or } 6273 \pmod{9792}$ except $n = 1089$
102	25	$n \equiv 1, 1225, 2601, 3825, 6001, 6801, 7225, \text{ or } 8025 \pmod{10200}$ except $n = 1225, 2601, 3825$
102	26	$n \equiv 1, 273, 1105, 3537, 4369, 4641, 7345, \text{ or } 7905 \pmod{10608}$ except $n = 273, 1105, 3537, 4369, 4641$
102	27	$n \equiv 1, 1377, 5185, \text{ or } 7209 \pmod{11016}$ except $n = 1377, 5185$
102	28	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
102	29	$n \equiv 1, 697, 3945, 4641, 5713, 6409, 9657, \text{ or } 10353 \pmod{11832}$ except $n = 697, 3945, 4641, 5713$
102	30	$n \equiv 1, 3825, 5185, 5985, 7345, 8721, 10081, \text{ or } 10881 \pmod{12240}$ except $n = 3825, 5185, 5985$
102	31	$n \equiv 1, 2449, 5457, 7905, 8433, 9673, 10881, \text{ or } 12121 \pmod{12648}$ except $n = 2449, 5457$
102	32	$n \equiv 1, 4353, 8449, \text{ or } 12801 \pmod{13056}$ except $n = 4353$

*continued on next page*



Table 101: Superspectra for  $p = 102$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	33	$n \equiv 1, 1089, 3961, 5049, 5985, 8569, 9945, \text{ or } 12529 \pmod{13464}$ except $n = 1089, 3961, 5049, 5985$
102	34	$n \equiv 1, 289, 9249, \text{ or } 9537 \pmod{13872}$ except $n = 289$
102	35	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
102	36	$n \equiv 1, 1377, 5185, \text{ or } 10881 \pmod{14688}$ except $n = 1377, 5185$
102	37	$n \equiv 1, 3145, 3553, 9657, 10065, 13209, 13617, \text{ or } 14689 \pmod{15096}$ except $n = 3145, 3553$
102	38	$n \equiv 1, 817, 2737, 3553, 5169, 5985, 7905, \text{ or } 8721 \pmod{15504}$ except $n = 817, 2737, 3553, 5169, 5985$
102	39	$n \equiv 1, 2601, 3537, 6409, 7345, 9945, 10881, \text{ or } 14977 \pmod{15912}$ except $n = 2601, 3537, 6409, 7345$
102	40	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
102	41	$n \equiv 1, 697, 5577, 6273, 8569, 8857, 14145, \text{ or } 14433 \pmod{16728}$ except $n = 697, 5577, 6273$
102	42	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
102	43	$n \equiv 1, 817, 1377, 2193, 7225, 8041, 11697, \text{ or } 12513 \pmod{17544}$ except $n = 817, 1377, 2193, 7225, 8041$
102	44	$n \equiv 1, 1089, 3553, 5985, 8449, 9537, 13057, \text{ or } 14433 \pmod{17952}$ except $n = 1089, 3553, 5985, 8449$
102	45	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 16201, \text{ or } 18225 \pmod{18360}$ except $n = 5185, 7345, 8721$
102	46	$n \equiv 1, 1105, 1633, 2737, 12513, 13617, 14145, \text{ or } 15249 \pmod{18768}$ except $n = 1105, 1633, 2737$
102	47	$n \equiv 1, 3009, 5593, 6393, 8977, 11985, 15369, \text{ or } 15793 \pmod{19176}$ except $n = 3009, 5593, 6393, 8977$

*continued on next page*

Table 101: Superspectra for  $p = 102$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	48	$n \equiv 1, 6273, 10881, \text{ or } 14977 \pmod{19584}$ except $n = 6273$
102	49	$n \equiv 1, 1225, 6273, 7497, 12937, 13329, 14161, \text{ or } 14553 \pmod{19992}$ except $n = 1225, 6273, 7497$
102	50	$n \equiv 1, 3825, 6001, 6801, 11425, 12801, 17425, \text{ or } 18225 \pmod{20400}$ except $n = 3825, 6001, 6801$
102	51	$n \equiv 1, 289, 2313, \text{ or } 2601 \pmod{20808}$ except $n = 289, 2313, 2601$
102	52	$n \equiv 1, 4641, 7905, 10881, 11713, 14145, 14977, \text{ or } 17953 \pmod{21216}$ except $n = 4641, 7905$
102	53	$n \equiv 1, 4081, 7209, 7633, 11289, 11713, 14841, \text{ or } 18921 \pmod{21624}$ except $n = 4081, 7209, 7633$
102	54	$n \equiv 1, 1377, 5185, \text{ or } 18225 \pmod{22032}$ except $n = 1377, 5185$
102	55	$n \equiv 1, 561, 3961, 4081, 5985, 8041, 9945, 10065, 13465,$ $14025, 14961, 17425, 17545, 18921, 19041, \text{ or } 21505 \pmod{22440}$ except $n = 561, 3961, 4081, 5985, 8041, 9945, 10065$
102	56	$n \equiv 1, 6273, 7617, 8449, 9793, 16065, 17409, \text{ or } 21505 \pmod{22848}$ except $n = 6273, 7617, 8449, 9793$
102	57	$n \equiv 1, 153, 2737, 5985, 8569, 8721, 11305, \text{ or } 20673 \pmod{23256}$ except $n = 153, 2737, 5985, 8569, 8721, 11305$
102	58	$n \equiv 1, 4641, 5713, 10353, 12529, 15777, 18241, \text{ or } 21489 \pmod{23664}$ except $n = 4641, 5713, 10353$
102	59	$n \equiv 1, 3009, 4897, 8025, 12921, 14161, 19057, \text{ or } 22185 \pmod{24072}$ except $n = 3009, 4897, 8025$
102	60	$n \equiv 1, 5185, 5985, 10081, 10881, 16065, 19585, \text{ or } 20961 \pmod{24480}$ except $n = 5185, 5985, 10081, 10881$
102	61	$n \equiv 1, 3417, 5185, 10065, 11713, 16593, 18361, \text{ or } 21777 \pmod{24888}$ except $n = 3417, 5185, 10065, 11713$
102	62	$n \equiv 1, 2449, 5457, 7905, 8433, 10881, 22321, \text{ or } 24769 \pmod{25296}$ except $n = 2449, 5457, 7905, 8433, 10881$

*continued on next page*

Table 101: Superspectra for  $p = 102$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	63	$n \equiv 1, 1513, 14553, 16065, 18361, 19873, 21897, \text{ or } 23409 \pmod{25704}$ except $n = 1513$
102	64	$n \equiv 1, 12801, 17409, \text{ or } 21505 \pmod{26112}$ except $n = 12801$
102	65	$n \equiv 1, 1105, 2041, 2601, 4641, 5305, 7345, 7905, 8841,$ $9945, 10881, 14145, 16185, 20281, 22321, \text{ or } 25585 \pmod{26520}$ except $n = 1105, 2041, 2601, 4641, 5305,$ $7345, 7905, 8841, 9945, 10881$
102	66	$n \equiv 1, 1089, 5985, 12529, 17425, 18513, 22033, \text{ or } 23409 \pmod{26928}$ except $n = 1089, 5985, 12529$
102	67	$n \equiv 1, 3417, 4489, 8041, 12529, 18225, 22713, \text{ or } 26265 \pmod{27336}$ except $n = 3417, 4489, 8041, 12529$
102	68	$n \equiv 1, 289, 9249, \text{ or } 9537 \pmod{27744}$ except $n = 289, 9249, 9537$
102	69	$n \equiv 1, 2737, 4761, 11017, 13617, 19873, 21897, \text{ or } 24633 \pmod{28152}$ except $n = 2737, 4761, 11017, 13617$
102	70	$n \equiv 1, 561, 1905, 4081, 4641, 5985, 10081, 11425, 11985,$ $14161, 15505, 16065, 19041, 21505, 23121, \text{ or } 25585 \pmod{28560}$ except $n = 561, 1905, 4081, 4641, 5985,$ $10081, 11425, 11985, 14161$
102	71	$n \equiv 1, 1633, 6817, 8449, 9657, 11289, 16473, \text{ or } 18105 \pmod{28968}$ except $n = 1633, 6817, 8449, 9657, 11289$
102	72	$n \equiv 1, 5185, 10881, \text{ or } 16065 \pmod{29376}$ except $n = 5185, 10881$
102	73	$n \equiv 1, 11169, 12921, 18105, 19857, 21097, 22849, \text{ or } 28033 \pmod{29784}$ except $n = 11169, 12921$
102	74	$n \equiv 1, 3553, 10065, 13617, 14689, 18241, 24753, \text{ or } 28305 \pmod{30192}$ except $n = 3553, 10065, 13617, 14689$
102	75	$n \equiv 1, 1225, 2601, 3825, 16201, 17001, 17425, \text{ or } 18225 \pmod{30600}$ except $n = 1225, 2601, 3825$
102	76	$n \equiv 1, 3553, 5985, 7905, 16321, 18241, 20673, \text{ or } 24225 \pmod{31008}$ except $n = 3553, 5985, 7905$

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Table 101: Superspectra for  $p = 102$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	77	$n \equiv 1, 561, 4081, 5985, 8449, 8569, 10473, 12937, 14553,$ $17017, 18921, 19041, 21505, 23409, 26929, \text{ or } 27489 \pmod{31416}$ except $n = 561, 4081, 5985, 8449, 8569, 10473, 12937, 14553$
102	78	$n \equiv 1, 3537, 7345, 10881, 14977, 18513, 22321, \text{ or } 25857 \pmod{31824}$ except $n = 3537, 7345, 10881, 14977$
102	79	$n \equiv 1, 2449, 17697, 20145, 21489, 23937, 28441, \text{ or } 30889 \pmod{32232}$ except $n = 2449$
102	80	$n \equiv 1, 1921, 10881, 12801, 19585, 21505, 30465, \text{ or } 32385 \pmod{32640}$ except $n = 1921, 10881, 12801$
102	81	$n \equiv 1, 12393, 18225, \text{ or } 27217 \pmod{33048}$ except $n = 12393$
102	82	$n \equiv 1, 6273, 14145, 14433, 17425, 22305, 25297, \text{ or } 25585 \pmod{33456}$ except $n = 6273, 14145, 14433$
102	83	$n \equiv 1, 4233, 4897, 11289, 16185, 21913, 26809, \text{ or } 33201 \pmod{33864}$ except $n = 4233, 4897, 11289, 16185$
102	84	$n \equiv 1, 5985, 6273, 9793, 10081, 16065, 19873, \text{ or } 30465 \pmod{34272}$ except $n = 5985, 6273, 9793, 10081, 16065$
102	85	$n \equiv 1, 2601, 7225, 14161, 16185, 23121, 27745, \text{ or } 30345 \pmod{34680}$ except $n = 2601, 7225, 14161, 16185$
102	86	$n \equiv 1, 817, 1377, 2193, 11697, 12513, 24769, \text{ or } 25585 \pmod{35088}$ except $n = 817, 1377, 2193, 11697, 12513$
102	87	$n \equiv 1, 6409, 9657, 12529, 15777, 22185, 28305, \text{ or } 29377 \pmod{35496}$ except $n = 6409, 9657, 12529, 15777$
102	88	$n \equiv 1, 1089, 8449, 9537, 13057, 21505, 23937, \text{ or } 32385 \pmod{35904}$ except $n = 1089, 8449, 9537, 13057$
102	89	$n \equiv 1, 1513, 6409, 7209, 12105, 13617, 18513, \text{ or } 31417 \pmod{36312}$ except $n = 1513, 6409, 7209, 12105, 13617$
102	90	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 18225, \text{ or } 34561 \pmod{36720}$ except $n = 5185, 7345, 8721, 10881, 16065, 18225$

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Table 101: Superspectra for  $p = 102$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	91	$n \equiv 1, 273, 4369, 4641, 8841, 12649, 13209, 16185, 17017,$ $20553, 21217, 24753, 25585, 28561, 29121, \text{ or } 32929 \pmod{37128}$ except $n = 273, 4369, 4641, 8841, 12649, 13209, 16185, 17017$
102	92	$n \equiv 1, 1633, 12513, 14145, 19873, 21505, 32385, \text{ or } 34017 \pmod{37536}$ except $n = 1633, 12513, 14145$
102	93	$n \equiv 1, 2449, 8433, 10881, 22321, 24769, 30753, \text{ or } 33201 \pmod{37944}$ except $n = 2449, 8433, 10881$
102	94	$n \equiv 1, 3009, 8977, 11985, 15793, 24769, 25569, \text{ or } 34545 \pmod{38352}$ except $n = 3009, 8977, 11985, 15793$
102	95	$n \equiv 1, 5985, 7905, 8721, 11305, 12921, 15505, 16321, 18241,$ $24225, 28425, 29241, 31161, 31825, 33745, \text{ or } 34561 \pmod{38760}$ except $n = 5985, 7905, 8721, 11305, 12921, 15505, 16321, 18241$
102	96	$n \equiv 1, 25857, 30465, \text{ or } 34561 \pmod{39168}$
102	97	$n \equiv 1, 2329, 12513, 14841, 25705, 26385, 28033, \text{ or } 28713 \pmod{39576}$ except $n = 2329, 12513, 14841$
102	98	$n \equiv 1, 6273, 13329, 14161, 21217, 27489, 32929, \text{ or } 34545 \pmod{39984}$ except $n = 6273, 13329, 14161$
102	99	$n \equiv 1, 5049, 12529, 14553, 22033, 23409, 30889, \text{ or } 32913 \pmod{40392}$ except $n = 5049, 12529, 14553$
102	100	$n \equiv 1, 11425, 12801, 24225, 26401, 27201, 37825, \text{ or } 38625 \pmod{40800}$ except $n = 11425, 12801$
102	101	$n \equiv 1, 10201, 12121, 13737, 22321, 23937, 25857, \text{ or } 36057 \pmod{41208}$ except $n = 10201, 12121, 13737$
102	102	$n \equiv 1, 289, 23121, \text{ or } 23409 \pmod{41616}$ except $n = 289$
102	103	$n \equiv 1, 10609, 15657, 26265, 28017, 29665, 38625, \text{ or } 40273 \pmod{42024}$ except $n = 10609, 15657$
102	104	$n \equiv 1, 10881, 11713, 14145, 14977, 25857, 29121, \text{ or } 39169 \pmod{42432}$ except $n = 10881, 11713, 14145, 14977$

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Table 101: Superspectra for  $p = 102$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	105	$n \equiv 1, 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361,$ $23121, 25705, 28441, 30465, 33201, 35785, \text{ or } 40545 \pmod{42840}$ except $n = 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361$
102	106	$n \equiv 1, 4081, 7633, 11713, 28833, 32913, 36465, \text{ or } 40545 \pmod{43248}$ except $n = 4081, 7633, 11713$
102	107	$n \equiv 1, 5457, 8025, 11985, 14553, 34561, 37129, \text{ or } 41089 \pmod{43656}$ except $n = 5457, 8025, 11985, 14553$
102	108	$n \equiv 1, 1377, 5185, \text{ or } 40257 \pmod{44064}$ except $n = 1377, 5185$
102	109	$n \equiv 1, 8721, 9265, 15369, 23545, 29649, 30193, \text{ or } 38913 \pmod{44472}$ except $n = 8721, 9265, 15369$
102	110	$n \equiv 1, 561, 4081, 5985, 10065, 14961, 17425, 19041, 21505,$ $26401, 30481, 32385, 35905, 36465, 39985, \text{ or } 41361 \pmod{44880}$ except $n = 561, 4081, 5985, 10065, 14961, 17425, 19041, 21505$
102	111	$n \equiv 1, 9657, 13617, 14689, 18649, 28305, 33337, \text{ or } 40257 \pmod{45288}$ except $n = 9657, 13617, 14689, 18649$
102	112	$n \equiv 1, 6273, 8449, 17409, 21505, 30465, 32641, \text{ or } 38913 \pmod{45696}$ except $n = 6273, 8449, 17409, 21505$
102	113	$n \equiv 1, 1921, 7345, 9945, 15369, 17289, 22713, \text{ or } 40681 \pmod{46104}$ except $n = 1921, 7345, 9945, 15369, 17289, 22713$
102	114	$n \equiv 1, 2737, 5985, 8721, 20673, 23409, 31825, \text{ or } 34561 \pmod{46512}$ except $n = 2737, 5985, 8721, 20673$
102	115	$n \equiv 1, 1105, 4761, 5865, 9385, 12121, 14145, 20401, 21505,$ $23001, 29785, 31281, 32385, 38641, 40665, \text{ or } 43401 \pmod{46920}$ except $n = 1105, 4761, 5865, 9385, 12121,$ $14145, 20401, 21505, 23001$
102	116	$n \equiv 1, 4641, 15777, 18241, 29377, 34017, 36193, \text{ or } 45153 \pmod{47328}$ except $n = 4641, 15777, 18241$
102	117	$n \equiv 1, 3537, 7345, 10881, 30889, 34425, 38233, \text{ or } 41769 \pmod{47736}$ except $n = 3537, 7345, 10881$

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Table 101: Superspectra for  $p = 102$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
102	118	$n \equiv 1, 3009, 4897, 14161, 19057, 32097, 36993, \text{ or } 46257 \pmod{48144}$ except $n = 3009, 4897, 14161, 19057$
102	119	$n \equiv 1, 6937, 7225, 14161, 16185, 23121, 23409, \text{ or } 30345 \pmod{48552}$ except $n = 6937, 7225, 14161, 16185, 23121, 23409$
102	120	$n \equiv 1, 5185, 10881, 16065, 19585, 30465, 34561, \text{ or } 45441 \pmod{48960}$ except $n = 5185, 10881, 16065, 19585$
102	121	$n \equiv 1, 969, 1089, 17425, 17545, 18513, 32913, \text{ or } 34969 \pmod{49368}$ except $n = 969, 1089, 17425, 17545, 18513$
102	122	$n \equiv 1, 5185, 10065, 11713, 16593, 21777, 28305, \text{ or } 43249 \pmod{49776}$ except $n = 5185, 10065, 11713, 16593, 21777$
102	123	$n \equiv 1, 6273, 8569, 8857, 17425, 39033, 47601, \text{ or } 47889 \pmod{50184}$ except $n = 6273, 8569, 8857, 17425$
102	124	$n \equiv 1, 7905, 10881, 24769, 27745, 30753, 33729, \text{ or } 47617 \pmod{50592}$ except $n = 7905, 10881, 24769$
102	125	$n \equiv 1, 6001, 17001, 21625, 23001, 27625, 38625, \text{ or } 44625 \pmod{51000}$ except $n = 6001, 17001, 21625, 23001$
102	126	$n \equiv 1, 16065, 19873, 23409, 27217, 40257, 44065, \text{ or } 47601 \pmod{51408}$ except $n = 16065, 19873, 23409$
102	127	$n \equiv 1, 1905, 13209, 19177, 30481, 32385, 34545, \text{ or } 49657 \pmod{51816}$ except $n = 1905, 13209, 19177$
102	128	$n \equiv 1, 17409, 21505, \text{ or } 38913 \pmod{52224}$ except $n = 17409, 21505$

Table 102: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 103$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
103	2	$n \equiv 1 \text{ or } 721 \pmod{824}$
103	3	$n \equiv 1, 309, 721, \text{ or } 825 \pmod{1236}$ except $n = 309$

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Table 102: Superspectra for  $p = 103$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
103	4	$n \equiv 1$ or $721 \pmod{1648}$ except $n = 721$
103	5	$n \equiv 1, 721, 825, \text{ or } 1545 \pmod{2060}$ except $n = 721, 825$
103	6	$n \equiv 1, 721, 825, \text{ or } 1545 \pmod{2472}$ except $n = 721, 825$
103	7	$n \equiv 1, 309, 413, \text{ or } 721 \pmod{2884}$ except $n = 309, 413, 721$
103	8	$n \equiv 1$ or $2369 \pmod{3296}$
103	9	$n \equiv 1, 721, 2061, \text{ or } 2781 \pmod{3708}$ except $n = 721$
103	10	$n \equiv 1, 721, 825, \text{ or } 1545 \pmod{4120}$ except $n = 721, 825, 1545$
103	11	$n \equiv 1, 309, 825, \text{ or } 1133 \pmod{4532}$ except $n = 309, 825, 1133$
103	12	$n \equiv 1, 721, 3297, \text{ or } 4017 \pmod{4944}$ except $n = 721$
103	13	$n \equiv 1, 4017, 4121, \text{ or } 5253 \pmod{5356}$
103	14	$n \equiv 1, 721, 3193, \text{ or } 3297 \pmod{5768}$ except $n = 721$
103	15	$n \equiv 1, 721, 825, 1545, 2061, 2781, 4945, \text{ or } 5665 \pmod{6180}$ except $n = 721, 825, 1545, 2061, 2781$
103	16	$n \equiv 1$ or $2369 \pmod{6592}$ except $n = 2369$
103	17	$n \equiv 1, 1649, 3605, \text{ or } 5253 \pmod{7004}$ except $n = 1649$
103	18	$n \equiv 1, 721, 5769, \text{ or } 6489 \pmod{7416}$ except $n = 721$
103	19	$n \equiv 1, 1957, 3193, \text{ or } 6593 \pmod{7828}$ except $n = 1957, 3193$
103	20	$n \equiv 1, 721, 4945, \text{ or } 5665 \pmod{8240}$ except $n = 721$
103	21	$n \equiv 1, 309, 721, 3193, 3297, 5769, 6181, \text{ or } 6489 \pmod{8652}$ except $n = 309, 721, 3193, 3297$
103	22	$n \equiv 1, 825, 4841, \text{ or } 5665 \pmod{9064}$ except $n = 825$
103	23	$n \equiv 1, 2369, 4945, \text{ or } 6901 \pmod{9476}$ except $n = 2369$
103	24	$n \equiv 1, 3297, 5665, \text{ or } 8961 \pmod{9888}$ except $n = 3297$
103	25	$n \equiv 1, 825, 6901, \text{ or } 7725 \pmod{10300}$ except $n = 825$
103	26	$n \equiv 1, 4017, 4121, \text{ or } 10609 \pmod{10712}$ except $n = 4017, 4121$
103	27	$n \equiv 1, 2781, 4429, \text{ or } 9477 \pmod{11124}$ except $n = 2781, 4429$

*continued on next page*



Table 102: Superspectra for  $p = 103$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
103	28	$n \equiv 1, 721, 3297, \text{ or } 8961 \pmod{11536}$ except $n = 721, 3297$
103	29	$n \equiv 1, 8961, 9889, \text{ or } 11021 \pmod{11948}$
103	30	$n \equiv 1, 721, 825, 1545, 4945, 5665, 8241, \text{ or } 8961 \pmod{12360}$ except $n = 721, 825, 1545, 4945, 5665$
103	31	$n \equiv 1, 3193, 6077, \text{ or } 9889 \pmod{12772}$ except $n = 3193, 6077$
103	32	$n \equiv 1 \text{ or } 8961 \pmod{13184}$
103	33	$n \equiv 1, 309, 825, 4533, 5665, 9373, 9889, \text{ or } 10197 \pmod{13596}$ except $n = 309, 825, 4533, 5665$
103	34	$n \equiv 1, 1649, 10609, \text{ or } 12257 \pmod{14008}$ except $n = 1649$
103	35	$n \equiv 1, 721, 2885, 3605, 6181, 8961, 9065, \text{ or } 11845 \pmod{14420}$ except $n = 721, 2885, 3605, 6181$
103	36	$n \equiv 1, 721, 13185, \text{ or } 13905 \pmod{14832}$ except $n = 721$
103	37	$n \equiv 1, 2369, 9065, \text{ or } 11433 \pmod{15244}$ except $n = 2369$
103	38	$n \equiv 1, 3193, 6593, \text{ or } 9785 \pmod{15656}$ except $n = 3193, 6593$
103	39	$n \equiv 1, 4017, 5253, 9373, 9477, 10609, 10713, \text{ or } 14833 \pmod{16068}$ except $n = 4017, 5253$
103	40	$n \equiv 1, 5665, 8961, \text{ or } 13185 \pmod{16480}$ except $n = 5665$
103	41	$n \equiv 1, 4429, 8241, \text{ or } 12669 \pmod{16892}$ except $n = 4429, 8241$
103	42	$n \equiv 1, 721, 3193, 3297, 5769, 6489, 8961, \text{ or } 14833 \pmod{17304}$ except $n = 721, 3193, 3297, 5769, 6489$
103	43	$n \equiv 1, 4429, 4945, \text{ or } 17201 \pmod{17716}$ except $n = 4429, 4945$
103	44	$n \equiv 1, 5665, 9889, \text{ or } 13905 \pmod{18128}$ except $n = 5665$
103	45	$n \equiv 1, 721, 2061, 2781, 11125, 11845, 13185, \text{ or } 13905 \pmod{18540}$ except $n = 721, 2061, 2781$
103	46	$n \equiv 1, 2369, 4945, \text{ or } 16377 \pmod{18952}$ except $n = 2369, 4945$
103	47	$n \equiv 1, 4841, 11845, \text{ or } 12361 \pmod{19364}$ except $n = 4841$
103	48	$n \equiv 1, 8961, 13185, \text{ or } 15553 \pmod{19776}$ except $n = 8961$

*continued on next page*

Table 102: Superspectra for  $p = 103$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
103	49	$n \equiv 1, 6077, 9065, \text{ or } 15141 \pmod{20188}$ except $n = 6077, 9065$
103	50	$n \equiv 1, 825, 17201, \text{ or } 18025 \pmod{20600}$ except $n = 825$
103	51	$n \equiv 1, 5253, 7005, 8653, 10609, 15657, 17613, \text{ or } 19261 \pmod{21012}$ except $n = 5253, 7005, 8653$
103	52	$n \equiv 1, 4017, 10609, \text{ or } 14833 \pmod{21424}$ except $n = 4017, 10609$
103	53	$n \equiv 1, 3605, 12773, \text{ or } 16377 \pmod{21836}$ except $n = 3605$
103	54	$n \equiv 1, 13905, 15553, \text{ or } 20601 \pmod{22248}$
103	55	$n \equiv 1, 825, 4841, 5665, 9065, 13905, 14421, \text{ or } 19261 \pmod{22660}$ except $n = 825, 4841, 5665, 9065$
103	56	$n \equiv 1, 3297, 8961, \text{ or } 12257 \pmod{23072}$ except $n = 3297, 8961$
103	57	$n \equiv 1, 1957, 3193, 14421, 15657, 17613, 18849, \text{ or } 22249 \pmod{23484}$ except $n = 1957, 3193$
103	58	$n \equiv 1, 8961, 9889, \text{ or } 22969 \pmod{23896}$ except $n = 8961, 9889$
103	59	$n \equiv 1, 413, 5665, \text{ or } 6077 \pmod{24308}$ except $n = 413, 5665, 6077$
103	60	$n \equiv 1, 721, 4945, 5665, 8241, 8961, 13185, \text{ or } 13905 \pmod{24720}$ except $n = 721, 4945, 5665, 8241, 8961$
103	61	$n \equiv 1, 18849, 20497, \text{ or } 23485 \pmod{25132}$
103	62	$n \equiv 1, 3193, 9889, \text{ or } 18849 \pmod{25544}$ except $n = 3193, 9889$
103	63	$n \equiv 1, 721, 5769, 6489, 11845, 14833, 17613, \text{ or } 20601 \pmod{25956}$ except $n = 721, 5769, 6489, 11845$
103	64	$n \equiv 1 \text{ or } 8961 \pmod{26368}$ except $n = 8961$
103	65	$n \equiv 1, 4121, 15965, 20085, 21321, 21425, 25441, \text{ or } 25545 \pmod{26780}$ except $n = 4121$
103	66	$n \equiv 1, 825, 5665, 9889, 13905, 18129, 22969, \text{ or } 23793 \pmod{27192}$ except $n = 825, 5665, 9889$
103	67	$n \equiv 1, 6901, 8241, \text{ or } 26265 \pmod{27604}$ except $n = 6901, 8241$
103	68	$n \equiv 1, 1649, 10609, \text{ or } 12257 \pmod{28016}$ except $n = 1649, 10609, 12257$

*continued on next page*

Table 102: Superspectra for  $p = 103$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
103	69	$n \equiv 1, 4945, 6901, 9477, 11845, 14421, 16377, \text{ or } 21321 \pmod{28428}$ except $n = 4945, 6901, 9477, 11845$
103	70	$n \equiv 1, 721, 8961, 9065, 17305, 18025, 20601, \text{ or } 26265 \pmod{28840}$ except $n = 721, 8961, 9065$
103	71	$n \equiv 1, 7313, 9373, \text{ or } 27193 \pmod{29252}$ except $n = 7313, 9373$
103	72	$n \equiv 1, 13185, 15553, \text{ or } 28737 \pmod{29664}$ except $n = 13185$
103	73	$n \equiv 1, 22557, 24309, \text{ or } 28325 \pmod{30076}$
103	74	$n \equiv 1, 2369, 9065, \text{ or } 11433 \pmod{30488}$ except $n = 2369, 9065, 11433$
103	75	$n \equiv 1, 825, 6901, 7725, 11125, 18025, 20601, \text{ or } 27501 \pmod{30900}$ except $n = 825, 6901, 7725, 11125$
103	76	$n \equiv 1, 6593, 18849, \text{ or } 25441 \pmod{31312}$ except $n = 6593$
103	77	$n \equiv 1, 309, 9065, 9373, 14421, 14729, 23485, \text{ or } 23793 \pmod{31724}$ except $n = 309, 9065, 9373, 14421, 14729$
103	78	$n \equiv 1, 4017, 10609, 10713, 14833, 21321, 25441, \text{ or } 25545 \pmod{32136}$ except $n = 4017, 10609, 10713, 14833$
103	79	$n \equiv 1, 8137, 13905, \text{ or } 26781 \pmod{32548}$ except $n = 8137, 13905$
103	80	$n \equiv 1, 8961, 13185, \text{ or } 22145 \pmod{32960}$ except $n = 8961, 13185$
103	81	$n \equiv 1, 9477, 15553, \text{ or } 25029 \pmod{33372}$ except $n = 9477, 15553$
103	82	$n \equiv 1, 8241, 21321, \text{ or } 29561 \pmod{33784}$ except $n = 8241$
103	83	$n \equiv 1, 8549, 11537, \text{ or } 31209 \pmod{34196}$ except $n = 8549, 11537$
103	84	$n \equiv 1, 721, 3297, 8961, 14833, 20497, 23073, \text{ or } 23793 \pmod{34608}$ except $n = 721, 3297, 8961, 14833$
103	85	$n \equiv 1, 3605, 7005, 19261, 22661, 26265, 29665, \text{ or } 31621 \pmod{35020}$ except $n = 3605, 7005$
103	86	$n \equiv 1, 4945, 17201, \text{ or } 22145 \pmod{35432}$ except $n = 4945, 17201$
103	87	$n \equiv 1, 8961, 9889, 11949, 21837, 22969, 32857, \text{ or } 34917 \pmod{35844}$ except $n = 8961, 9889, 11949$
103	88	$n \equiv 1, 5665, 9889, \text{ or } 32033 \pmod{36256}$ except $n = 5665, 9889$

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Table 102: Superspectra for  $p = 103$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
103	89	$n \equiv 1, 11125, 16377, \text{ or } 27501 \pmod{36668}$ except $n = 11125, 16377$
103	90	$n \equiv 1, 721, 13185, 13905, 20601, 21321, 29665, \text{ or } 30385 \pmod{37080}$ except $n = 721, 13185, 13905$
103	91	$n \equiv 1, 9373, 14729, 14833, 20189, 26677, 32033, \text{ or } 32137 \pmod{37492}$ except $n = 9373, 14729, 14833$
103	92	$n \equiv 1, 2369, 4945, \text{ or } 35329 \pmod{37904}$ except $n = 2369, 4945$
103	93	$n \equiv 1, 3193, 9889, 18849, 25545, 28737, 31621, \text{ or } 35433 \pmod{38316}$ except $n = 3193, 9889, 18849$
103	94	$n \equiv 1, 4841, 12361, \text{ or } 31209 \pmod{38728}$ except $n = 4841, 12361$
103	95	$n \equiv 1, 9785, 11021, 14421, 23485, 25441, 34505, \text{ or } 37905 \pmod{39140}$ except $n = 9785, 11021, 14421$
103	96	$n \equiv 1, 8961, 13185, \text{ or } 35329 \pmod{39552}$ except $n = 8961, 13185$
103	97	$n \equiv 1, 1649, 28325, \text{ or } 29973 \pmod{39964}$ except $n = 1649$
103	98	$n \equiv 1, 9065, 26265, \text{ or } 35329 \pmod{40376}$ except $n = 9065$
103	99	$n \equiv 1, 10197, 13905, 19261, 22969, 28017, 31725, \text{ or } 37081 \pmod{40788}$ except $n = 10197, 13905, 19261$
103	100	$n \equiv 1, 17201, 21425, \text{ or } 38625 \pmod{41200}$ except $n = 17201$
103	101	$n \equiv 1, 5253, 25957, \text{ or } 31209 \pmod{41612}$ except $n = 5253$
103	102	$n \equiv 1, 10609, 15657, 26265, 28017, 29665, 38625, \text{ or } 40273 \pmod{42024}$ except $n = 10609, 15657$
103	103	$n \equiv 1 \text{ or } 10609 \pmod{42436}$ except $n = 10609$
103	104	$n \equiv 1, 25441, 32033, \text{ or } 36257 \pmod{42848}$
103	105	$n \equiv 1, 721, 6181, 8961, 11845, 14421, 15141, 17305, 18025,$ $20601, 23485, 26265, 31725, 32445, 37801, \text{ or } 37905 \pmod{43260}$ except $n = 721, 6181, 8961, 11845, 14421,$ $15141, 17305, 18025, 20601$
103	106	$n \equiv 1, 16377, 25441, \text{ or } 34609 \pmod{43672}$ except $n = 16377$
103	107	$n \equiv 1, 11021, 19261, \text{ or } 35845 \pmod{44084}$ except $n = 11021, 19261$

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Table 102: Superspectra for  $p = 103$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
103	108	$n \equiv 1, 13905, 15553, \text{ or } 42849 \pmod{44496}$ except $n = 13905, 15553$
103	109	$n \equiv 1, 13081, 20601, \text{ or } 33681 \pmod{44908}$ except $n = 13081, 20601$
103	110	$n \equiv 1, 825, 4841, 5665, 9065, 13905, 37081, \text{ or } 41921 \pmod{45320}$ except $n = 825, 4841, 5665, 9065, 13905$
103	111	$n \equiv 1, 11433, 17613, 24309, 26677, 30489, 32857, \text{ or } 39553 \pmod{45732}$ except $n = 11433, 17613$
103	112	$n \equiv 1, 8961, 26369, \text{ or } 35329 \pmod{46144}$ except $n = 8961$
103	113	$n \equiv 1, 8137, 26781, \text{ or } 34917 \pmod{46556}$ except $n = 8137$
103	114	$n \equiv 1, 3193, 15657, 18849, 22249, 25441, 37905, \text{ or } 41097 \pmod{46968}$ except $n = 3193, 15657, 18849, 22249$
103	115	$n \equiv 1, 4945, 6901, 11845, 14421, 21321, 37905, \text{ or } 44805 \pmod{47380}$ except $n = 4945, 6901, 11845, 14421, 21321$
103	116	$n \equiv 1, 8961, 9889, \text{ or } 46865 \pmod{47792}$ except $n = 8961, 9889$
103	117	$n \equiv 1, 9477, 14833, 21321, 26677, 36153, 41509, \text{ or } 42849 \pmod{48204}$ except $n = 9477, 14833, 21321$
103	118	$n \equiv 1, 5665, 24721, \text{ or } 30385 \pmod{48616}$ except $n = 5665$
103	119	$n \equiv 1, 3605, 8653, 12257, 17613, 26265, 35021, \text{ or } 43673 \pmod{49028}$ except $n = 3605, 8653, 12257, 17613$
103	120	$n \equiv 1, 5665, 8961, 13185, 25441, 29665, 32961, \text{ or } 38625 \pmod{49440}$ except $n = 5665, 8961, 13185$
103	121	$n \equiv 1, 4841, 32549, \text{ or } 37389 \pmod{49852}$ except $n = 4841$
103	122	$n \equiv 1, 18849, 20497, \text{ or } 48617 \pmod{50264}$ except $n = 18849, 20497$
103	123	$n \equiv 1, 4429, 8241, 12669, 16893, 21321, 42025, \text{ or } 46453 \pmod{50676}$ except $n = 4429, 8241, 12669, 16893, 21321$
103	124	$n \equiv 1, 9889, 18849, \text{ or } 28737 \pmod{51088}$ except $n = 9889, 18849$
103	125	$n \equiv 1, 11125, 27501, \text{ or } 38625 \pmod{51500}$ except $n = 11125$
103	126	$n \equiv 1, 721, 5769, 6489, 14833, 20601, 37801, \text{ or } 43569 \pmod{51912}$ except $n = 721, 5769, 6489, 14833, 20601$

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Table 102: Superspectra for  $p = 103$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
103	127	$n \equiv 1, 13081, 29973, \text{ or } 35433 \pmod{52324}$ except $n = 13081$
103	128	$n \equiv 1 \text{ or } 35329 \pmod{52736}$

Table 103: Superspectra of  $C_{2k}^p$  for  $p = 104$

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
104	2	$n \equiv 1 \text{ or } 65 \pmod{832}$ except $n = 65$
104	3	$n \equiv 1, 417, 481, \text{ or } 897 \pmod{1248}$ except $n = 417, 481$
104	4	$n \equiv 1 \text{ or } 897 \pmod{1664}$
104	5	$n \equiv 1, 65, 481, \text{ or } 1665 \pmod{2080}$ except $n = 65, 481$
104	6	$n \equiv 1, 897, 1665, \text{ or } 1729 \pmod{2496}$ except $n = 897$
104	7	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{2912}$ except $n = 833, 897$
104	8	$n \equiv 1 \text{ or } 2561 \pmod{3328}$
104	9	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
104	10	$n \equiv 1, 65, 1665, \text{ or } 2561 \pmod{4160}$ except $n = 65, 1665$
104	11	$n \equiv 1, 2145, 2497, \text{ or } 4225 \pmod{4576}$ except $n = 2145$
104	12	$n \equiv 1, 897, 1665, \text{ or } 4225 \pmod{4992}$ except $n = 897, 1665$
104	13	$n \equiv 1 \text{ or } 4225 \pmod{5408}$
104	14	$n \equiv 1, 833, 897, \text{ or } 1729 \pmod{5824}$ except $n = 833, 897, 1729$
104	15	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
104	16	$n \equiv 1 \text{ or } 2561 \pmod{6656}$ except $n = 2561$
104	17	$n \equiv 1, 833, 3809, \text{ or } 4641 \pmod{7072}$ except $n = 833$
104	18	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
104	19	$n \equiv 1, 1729, 4161, \text{ or } 5473 \pmod{7904}$ except $n = 1729$

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Table 103: Superspectra for  $p = 104$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
104	20	$n \equiv 1, 1665, 2561, \text{ or } 4225 \pmod{8320}$ except $n = 1665, 2561$
104	21	$n \equiv 1, 897, 1729, 2913, 3745, 4641, 6657, \text{ or } 6721 \pmod{8736}$ except $n = 897, 1729, 2913, 3745$
104	22	$n \equiv 1, 2497, 4225, \text{ or } 6721 \pmod{9152}$ except $n = 2497, 4225$
104	23	$n \equiv 1, 897, 4577, \text{ or } 5889 \pmod{9568}$ except $n = 897, 4577$
104	24	$n \equiv 1, 5889, 6657, \text{ or } 9217 \pmod{9984}$
104	25	$n \equiv 1, 4225, 5825, \text{ or } 8801 \pmod{10400}$ except $n = 4225$
104	26	$n \equiv 1 \text{ or } 4225 \pmod{10816}$ except $n = 4225$
104	27	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
104	28	$n \equiv 1, 897, 6657, \text{ or } 7553 \pmod{11648}$ except $n = 897$
104	29	$n \equiv 1, 3393, 4641, \text{ or } 10817 \pmod{12064}$ except $n = 3393, 4641$
104	30	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
104	31	$n \equiv 1, 2977, 7905, \text{ or } 10881 \pmod{12896}$ except $n = 2977$
104	32	$n \equiv 1 \text{ or } 9217 \pmod{13312}$
104	33	$n \equiv 1, 2145, 2497, 4225, 6721, 9153, 11649, \text{ or } 13377 \pmod{13728}$ except $n = 2145, 2497, 4225, 6721$
104	34	$n \equiv 1, 833, 10881, \text{ or } 11713 \pmod{14144}$ except $n = 833$
104	35	$n \equiv 1, 3745, 4641, 5825, 6721, 10465, 12481, \text{ or } 12545 \pmod{14560}$ except $n = 3745, 4641, 5825, 6721$
104	36	$n \equiv 1, 1665, 9217, \text{ or } 10881 \pmod{14976}$ except $n = 1665$
104	37	$n \equiv 1, 481, 1665, \text{ or } 14209 \pmod{15392}$ except $n = 481, 1665$
104	38	$n \equiv 1, 1729, 4161, \text{ or } 13377 \pmod{15808}$ except $n = 1729, 4161$
104	39	$n \equiv 1, 4225, 5409, \text{ or } 9633 \pmod{16224}$ except $n = 4225, 5409$
104	40	$n \equiv 1, 2561, 9985, \text{ or } 12545 \pmod{16640}$ except $n = 2561$
104	41	$n \equiv 1, 1313, 14145, \text{ or } 15457 \pmod{17056}$ except $n = 1313$

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Table 103: Superspectra for  $p = 104$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
104	42	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
104	43	$n \equiv 1, 8385, 9633, \text{ or } 16641 \pmod{17888}$ except $n = 8385$
104	44	$n \equiv 1, 4225, 11649, \text{ or } 15873 \pmod{18304}$ except $n = 4225$
104	45	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
104	46	$n \equiv 1, 897, 5889, \text{ or } 14145 \pmod{19136}$ except $n = 897, 5889$
104	47	$n \equiv 1, 6721, 11233, \text{ or } 15041 \pmod{19552}$ except $n = 6721$
104	48	$n \equiv 1, 6657, 9217, \text{ or } 15873 \pmod{19968}$ except $n = 6657, 9217$
104	49	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{20384}$ except $n = 833$
104	50	$n \equiv 1, 4225, 5825, \text{ or } 19201 \pmod{20800}$ except $n = 4225, 5825$
104	51	$n \equiv 1, 4641, 7905, 10881, 11713, 14145, 14977, \text{ or } 17953 \pmod{21216}$ except $n = 4641, 7905$
104	52	$n \equiv 1 \text{ or } 4225 \pmod{21632}$ except $n = 4225$
104	53	$n \equiv 1, 3393, 8321, \text{ or } 11713 \pmod{22048}$ except $n = 3393, 8321$
104	54	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{22464}$ except $n = 1729, 9153, 10881$
104	55	$n \equiv 1, 2145, 4225, 6721, 8801, 16225, 18305, \text{ or } 20801 \pmod{22880}$ except $n = 2145, 4225, 6721, 8801$
104	56	$n \equiv 1, 6657, 12545, \text{ or } 19201 \pmod{23296}$ except $n = 6657$
104	57	$n \equiv 1, 1729, 4161, 5473, 7905, 9633, 13377, \text{ or } 19969 \pmod{23712}$ except $n = 1729, 4161, 5473, 7905, 9633$
104	58	$n \equiv 1, 3393, 10817, \text{ or } 16705 \pmod{24128}$ except $n = 3393, 10817$
104	59	$n \equiv 1, 7553, 16225, \text{ or } 23777 \pmod{24544}$ except $n = 7553$
104	60	$n \equiv 1, 1665, 4225, 9985, 10881, 16641, 19201, \text{ or } 20865 \pmod{24960}$ except $n = 1665, 4225, 9985, 10881$
104	61	$n \equiv 1, 7137, 11713, \text{ or } 20801 \pmod{25376}$ except $n = 7137, 11713$
104	62	$n \equiv 1, 10881, 15873, \text{ or } 20801 \pmod{25792}$ except $n = 10881$

*continued on next page*



Table 103: Superspectra for  $p = 104$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
104	63	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
104	64	$n \equiv 1 \text{ or } 22529 \pmod{26624}$
104	65	$n \equiv 1, 4225, 15041, \text{ or } 16225 \pmod{27040}$ except $n = 4225$
104	66	$n \equiv 1, 2497, 4225, 6721, 9153, 11649, 13377, \text{ or } 15873 \pmod{27456}$ except $n = 2497, 4225, 6721, 9153, 11649, 13377$
104	67	$n \equiv 1, 2145, 17889, \text{ or } 20033 \pmod{27872}$ except $n = 2145$
104	68	$n \equiv 1, 10881, 14977, \text{ or } 25857 \pmod{28288}$ except $n = 10881$
104	69	$n \equiv 1, 897, 5889, 10465, 14145, 15457, 19137, \text{ or } 23713 \pmod{28704}$ except $n = 897, 5889, 10465, 14145$
104	70	$n \equiv 1, 5825, 6721, 12481, 12545, 18305, 19201, \text{ or } 25025 \pmod{29120}$ except $n = 5825, 6721, 12481, 12545$
104	71	$n \equiv 1, 17537, 20449, \text{ or } 26625 \pmod{29536}$
104	72	$n \equiv 1, 9217, 16641, \text{ or } 25857 \pmod{29952}$ except $n = 9217$
104	73	$n \equiv 1, 4161, 23361, \text{ or } 27521 \pmod{30368}$ except $n = 4161$
104	74	$n \equiv 1, 1665, 14209, \text{ or } 15873 \pmod{30784}$ except $n = 1665, 14209$
104	75	$n \equiv 1, 4225, 10401, 14625, 16225, 19201, 26625, \text{ or } 29601 \pmod{31200}$ except $n = 4225, 10401, 14625$
104	76	$n \equiv 1, 17537, 19969, \text{ or } 29185 \pmod{31616}$
104	77	$n \equiv 1, 6721, 11649, 13377, 18305, 25025, 27105, \text{ or } 29953 \pmod{32032}$ except $n = 6721, 11649, 13377$
104	78	$n \equiv 1, 4225, 21633, \text{ or } 25857 \pmod{32448}$ except $n = 4225$
104	79	$n \equiv 1, 5057, 6241, \text{ or } 11297 \pmod{32864}$ except $n = 5057, 6241, 11297$
104	80	$n \equiv 1, 2561, 26625, \text{ or } 29185 \pmod{33280}$ except $n = 2561$
104	81	$n \equiv 1, 9153, 12961, \text{ or } 22113 \pmod{33696}$ except $n = 9153, 12961$
104	82	$n \equiv 1, 14145, 18369, \text{ or } 32513 \pmod{34112}$ except $n = 14145$
104	83	$n \equiv 1, 7553, 7969, \text{ or } 34113 \pmod{34528}$ except $n = 7553, 7969$

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Table 103: Superspectra for  $p = 104$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
104	84	$n \equiv 1, 897, 6657, 11649, 19201, 24193, 29953, \text{ or } 30849 \pmod{34944}$ except $n = 897, 6657, 11649$
104	85	$n \equiv 1, 4641, 7905, 10881, 14145, 18785, 25025, \text{ or } 29121 \pmod{35360}$ except $n = 4641, 7905, 10881, 14145$
104	86	$n \equiv 1, 8385, 16641, \text{ or } 27521 \pmod{35776}$ except $n = 8385, 16641$
104	87	$n \equiv 1, 3393, 4641, 15457, 16705, 22881, 24129, \text{ or } 34945 \pmod{36192}$ except $n = 3393, 4641, 15457, 16705$
104	88	$n \equiv 1, 15873, 22529, \text{ or } 29953 \pmod{36608}$ except $n = 15873$
104	89	$n \equiv 1, 15041, 17889, \text{ or } 34177 \pmod{37024}$ except $n = 15041, 17889$
104	90	$n \equiv 1, 1665, 10881, 16641, 16705, 22465, 31681, \text{ or } 33345 \pmod{37440}$ except $n = 1665, 10881, 16641, 16705$
104	91	$n \equiv 1, 9633, 27041, \text{ or } 36673 \pmod{37856}$ except $n = 9633$
104	92	$n \equiv 1, 897, 5889, \text{ or } 33281 \pmod{38272}$ except $n = 897, 5889$
104	93	$n \equiv 1, 2977, 7905, 10881, 12897, 15873, 33697, \text{ or } 36673 \pmod{38688}$ except $n = 2977, 7905, 10881, 12897, 15873$
104	94	$n \equiv 1, 6721, 15041, \text{ or } 30785 \pmod{39104}$ except $n = 6721, 15041$
104	95	$n \equiv 1, 4161, 7905, 12065, 21281, 25441, 29185, \text{ or } 33345 \pmod{39520}$ except $n = 4161, 7905, 12065$
104	96	$n \equiv 1, 9217, 26625, \text{ or } 35841 \pmod{39936}$ except $n = 9217$
104	97	$n \equiv 1, 6305, 18721, \text{ or } 27937 \pmod{40352}$ except $n = 6305, 18721$
104	98	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{40768}$ except $n = 833, 12545, 13377$
104	99	$n \equiv 1, 9153, 20449, 29601, 29953, 31681, 39105, \text{ or } 40833 \pmod{41184}$ except $n = 9153, 20449$
104	100	$n \equiv 1, 4225, 19201, \text{ or } 26625 \pmod{41600}$ except $n = 4225, 19201$
104	101	$n \equiv 1, 1313, 17473, \text{ or } 25857 \pmod{42016}$ except $n = 1313, 17473$
104	102	$n \equiv 1, 10881, 11713, 14145, 14977, 25857, 29121, \text{ or } 39169 \pmod{42432}$ except $n = 10881, 11713, 14145, 14977$
104	103	$n \equiv 1, 25441, 32033, \text{ or } 36257 \pmod{42848}$

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Table 103: Superspectra for  $p = 104$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
104	104	$n \equiv 1$ or $25857 \pmod{43264}$
104	105	$n \equiv 1, 3745, 4641, 6721, 10465, 12481, 19201, 20385, 27105,$ $29121, 32865, 34945, 35841, 39585, 41601, \text{ or } 41665 \pmod{43680}$ except $n = 3745, 4641, 6721, 10465, 12481, 19201, 20385$
104	106	$n \equiv 1, 3393, 8321, \text{ or } 11713 \pmod{44096}$ except $n = 3393, 8321, 11713$
104	107	$n \equiv 1, 3745, 17121, \text{ or } 20865 \pmod{44512}$ except $n = 3745, 17121, 20865$
104	108	$n \equiv 1, 10881, 24193, \text{ or } 31617 \pmod{44928}$ except $n = 10881$
104	109	$n \equiv 1, 10465, 24961, \text{ or } 35425 \pmod{45344}$ except $n = 10465$
104	110	$n \equiv 1, 4225, 6721, 18305, 20801, 25025, 31681, \text{ or } 39105 \pmod{45760}$ except $n = 4225, 6721, 18305, 20801$
104	111	$n \equiv 1, 481, 1665, 14209, 15393, 15873, 29601, \text{ or } 32449 \pmod{46176}$ except $n = 481, 1665, 14209, 15393, 15873$
104	112	$n \equiv 1, 6657, 35841, \text{ or } 42497 \pmod{46592}$ except $n = 6657$
104	113	$n \equiv 1, 9153, 21697, \text{ or } 30849 \pmod{47008}$ except $n = 9153, 21697$
104	114	$n \equiv 1, 1729, 4161, 13377, 19969, 29185, 31617, \text{ or } 33345 \pmod{47424}$ except $n = 1729, 4161, 13377, 19969$
104	115	$n \equiv 1, 10465, 14145, 25025, 28705, 29601, 33281, \text{ or } 44161 \pmod{47840}$ except $n = 10465, 14145$
104	116	$n \equiv 1, 27521, 34945, \text{ or } 40833 \pmod{48256}$
104	117	$n \equiv 1, 5409, 20449, \text{ or } 25857 \pmod{48672}$ except $n = 5409, 20449$
104	118	$n \equiv 1, 7553, 40769, \text{ or } 48321 \pmod{49088}$ except $n = 7553$
104	119	$n \equiv 1, 833, 3809, 4641, 21217, 25025, 29121, \text{ or } 32929 \pmod{49504}$ except $n = 833, 3809, 4641, 21217$
104	120	$n \equiv 1, 9985, 16641, 19201, 26625, 29185, 35841, \text{ or } 45825 \pmod{49920}$ except $n = 9985, 16641, 19201$
104	121	$n \equiv 1, 20449, 27105, \text{ or } 43681 \pmod{50336}$ except $n = 20449$
104	122	$n \equiv 1, 11713, 20801, \text{ or } 32513 \pmod{50752}$ except $n = 11713, 20801$

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Table 103: Superspectra for  $p = 104$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
104	123	$n \equiv 1, 14145, 15457, 18369, 31201, 34113, 35425, \text{ or } 49569 \pmod{51168}$ except $n = 14145, 15457, 18369$
104	124	$n \equiv 1, 10881, 15873, \text{ or } 46593 \pmod{51584}$ except $n = 10881, 15873$
104	125	$n \equiv 1, 14625, 26625, \text{ or } 40001 \pmod{52000}$ except $n = 14625$
104	126	$n \equiv 1, 1729, 18369, 24129, 24193, 29953, 46593, \text{ or } 48321 \pmod{52416}$ except $n = 1729, 18369, 24129, 24193$
104	127	$n \equiv 1, 12065, 32513, \text{ or } 44577 \pmod{52832}$ except $n = 12065$
104	128	$n \equiv 1 \text{ or } 49153 \pmod{53248}$

Table 104: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 105$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	2	$n \equiv 1, 105, 225, 385, 441, 505, 561, \text{ or } 721 \pmod{840}$ except $n = 105, 225, 385$
105	3	$n \equiv 1, 225, 441, 505, 721, 945, 981, \text{ or } 1225 \pmod{1260}$ except $n = 225, 441, 505$
105	4	$n \equiv 1, 225, 385, 561, 721, 945, 1281, \text{ or } 1345 \pmod{1680}$ except $n = 225, 385, 561, 721$
105	5	$n \equiv 1, 225, 301, 525, 925, 1225, 1401, \text{ or } 1701 \pmod{2100}$ except $n = 225, 301, 525, 925$
105	6	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
105	7	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2401, \text{ or } 2745 \pmod{2940}$ except $n = 441, 981, 1225$
105	8	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$

*continued on next page*

Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	9	$n \equiv 1, 945, 1485, 1701, 2241, 2485, 3025, \text{ or } 3241 \pmod{3780}$ except $n = 945, 1485, 1701$
105	10	$n \equiv 1, 225, 1225, 1401, 2401, 2625, 3025, \text{ or } 3801 \pmod{4200}$ except $n = 225, 1225, 1401$
105	11	$n \equiv 1, 385, 441, 561, 925, 1365, 1485, 1981, 2101,$ $2541, 2905, 3025, 3081, 3465, 4005, \text{ or } 4081 \pmod{4620}$ except $n = 385, 441, 561, 925, 1365, 1485, 1981, 2101$
105	12	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
105	13	$n \equiv 1, 105, 1261, 1365, 1561, 1821, 2185, 2821, 3081,$ $3381, 3445, 3745, 4005, 4641, 5005, \text{ or } 5265 \pmod{5460}$ except $n = 105, 1261, 1365, 1561, 1821, 2185$
105	14	$n \equiv 1, 441, 1225, 2401, 2745, 3921, 4705, \text{ or } 5145 \pmod{5880}$ except $n = 441, 1225, 2401, 2745$
105	15	$n \equiv 1, 225, 1225, 1701, 3025, 3501, 4501, \text{ or } 4725 \pmod{6300}$ except $n = 225, 1225, 1701, 3025$
105	16	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
105	17	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, 2941, 4081,$ $4165, 4285, 4641, 4761, 4845, 5985, \text{ or } 7021 \pmod{7140}$ except $n = 85, 561, 1225, 1701, 1785, 1905, 2941$
105	18	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
105	19	$n \equiv 1, 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801,$ $4845, 4921, 5985, 6385, 6441, 7525, \text{ or } 7581 \pmod{7980}$ except $n = 1065, 1141, 2185, 2205, 2661, 3325, 3781, 3801$
105	20	$n \equiv 1, 225, 2401, 2625, 3025, 5425, 5601, \text{ or } 8001 \pmod{8400}$ except $n = 225, 2401, 2625, 3025$
105	21	$n \equiv 1, 441, 981, 1225, 1765, 2205, 2745, \text{ or } 8281 \pmod{8820}$ except $n = 441, 981, 1225, 1765, 2205, 2745$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	22	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
105	23	$n \equiv 1, 645, 805, 2185, 2485, 3381, 3865, 4761, 5061,$ $6441, 6601, 7245, 7981, 8281, 8625, \text{ or } 8925 \pmod{9660}$ except $n = 645, 805, 2185, 2485, 3381, 3865, 4761$
105	24	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
105	25	$n \equiv 1, 2625, 3501, 4501, 5125, 8001, 8625, \text{ or } 9625 \pmod{10500}$ except $n = 2625, 3501, 4501, 5125$
105	26	$n \equiv 1, 105, 1561, 2185, 3081, 3745, 4641, 5265, 6721,$ $6825, 7281, 8281, 8841, 8905, 9465, \text{ or } 10465 \pmod{10920}$ except $n = 105, 1561, 2185, 3081, 3745, 4641, 5265$
105	27	$n \equiv 1, 1701, 3241, 5265, 6805, 8505, 9801, \text{ or } 10045 \pmod{11340}$ except $n = 1701, 3241, 5265$
105	28	$n \equiv 1, 2401, 3921, 4705, 6321, 7105, 8625, \text{ or } 11025 \pmod{11760}$ except $n = 2401, 3921, 4705$
105	29	$n \equiv 1, 841, 2205, 3045, 4641, 5481, 5685, 6265, 6525,$ $7105, 8121, 8701, 8961, 9541, 9745, \text{ or } 10585 \pmod{12180}$ except $n = 841, 2205, 3045, 4641, 5481, 5685$
105	30	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
105	31	$n \equiv 1, 1365, 2325, 2605, 2821, 4341, 5425, 6945, 7161,$ $7441, 8401, 9765, 10045, 11005, 11781, \text{ or } 12741 \pmod{13020}$ except $n = 1365, 2325, 2605, 2821, 4341, 5425$
105	32	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
105	33	$n \equiv 1, 441, 1485, 1981, 3025, 3465, 4005, 5005, 5545,$ $5985, 7525, 9801, 11341, 11781, 12321, \text{ or } 13321 \pmod{13860}$ except $n = 441, 1485, 1981, 3025, 3465,$ $4005, 5005, 5545, 5985$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	34	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
105	35	$n \equiv 1, 1225, 2401, 8625, 9801, 11025, 12201, \text{ or } 13525 \pmod{14700}$ except $n = 1225, 2401$
105	36	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
105	37	$n \equiv 1, 925, 2961, 3885, 4921, 5181, 6105, 7105, 7141,$ $9325, 10101, 12285, 12321, 13321, 14245, \text{ or } 14505 \pmod{15540}$ except $n = 925, 2961, 3885, 4921, 5181, 6105, 7105, 7141$
105	38	$n \equiv 1, 1065, 2185, 3801, 4921, 5985, 6385, 6441, 9121,$ $10185, 10641, 11305, 11761, 12825, 15505, \text{ or } 15561 \pmod{15960}$ except $n = 1065, 2185, 3801, 4921, 5985, 6385, 6441$
105	39	$n \equiv 1, 1261, 3745, 4005, 5005, 5265, 7021, 7281, 8281,$ $8541, 11025, 12285, 13105, 14301, 14365, \text{ or } 15561 \pmod{16380}$ except $n = 1261, 3745, 4005, 5005, 5265, 7021, 7281$
105	40	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
105	41	$n \equiv 1, 861, 1681, 2625, 3445, 4305, 4921, 5125, 6601,$ $8365, 10045, 11481, 13161, 14925, 16401, \text{ or } 16605 \pmod{17220}$ except $n = 861, 1681, 2625, 3445, 4305,$ $4921, 5125, 6601, 8365$
105	42	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
105	43	$n \equiv 1, 301, 645, 861, 2065, 5461, 6021, 6321, 7225,$ $7525, 8085, 11481, 12685, 12901, 13245, \text{ or } 13545 \pmod{18060}$ except $n = 301, 645, 861, 2065, 5461,$ $6021, 6321, 7225, 7525, 8085$
105	44	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ $12145, 12321, 12705, 14785, 15345, 15841, \text{ or } 16401 \pmod{18480}$ except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	45	$n \equiv 1, 1701, 3025, 4725, 9801, 10801, 12825, \text{ or } 13825 \pmod{18900}$ except $n = 1701, 3025, 4725$
105	46	$n \equiv 1, 2185, 3865, 4761, 6441, 6601, 8281, 8625, 10305,$ $10465, 12145, 13041, 14721, 16905, 17641, \text{ or } 18585 \pmod{19320}$ except $n = 2185, 3865, 4761, 6441, 6601, 8281, 8625$
105	47	$n \equiv 1, 141, 1645, 2821, 2961, 5265, 6721, 8085, 9541,$ $11845, 11985, 13161, 14665, 14805, 15981, \text{ or } 18565 \pmod{19740}$ except $n = 141, 1645, 2821, 2961, 5265, 6721, 8085, 9541$
105	48	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
105	49	$n \equiv 1, 2401, 2745, 5145, 6861, 9261, 16465, \text{ or } 18865 \pmod{20580}$ except $n = 2401, 2745, 5145, 6861, 9261$
105	50	$n \equiv 1, 2625, 8001, 8625, 9625, 14001, 15001, \text{ or } 15625 \pmod{21000}$ except $n = 2625, 8001, 8625, 9625$
105	51	$n \equiv 1, 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081,$ $11305, 11781, 14365, 14841, 16065, 18361, \text{ or } 19125 \pmod{21420}$ except $n = 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081$
105	52	$n \equiv 1, 3745, 4641, 5265, 6721, 7281, 10465, 11025, 12481,$ $13105, 14001, 17745, 19201, 19761, 19825, \text{ or } 20385 \pmod{21840}$ except $n = 3745, 4641, 5265, 6721, 7281, 10465$
105	53	$n \equiv 1, 1485, 2121, 3445, 4081, 5565, 8905, 9381, 9541,$ $11025, 12985, 14841, 16801, 18285, 18445, \text{ or } 18921 \pmod{22260}$ except $n = 1485, 2121, 3445, 4081, 5565,$ $8905, 9381, 9541, 11025$
105	54	$n \equiv 1, 3241, 5265, 8505, 9801, 13041, 18145, \text{ or } 21385 \pmod{22680}$ except $n = 3241, 5265, 8505, 9801$
105	55	$n \equiv 1, 925, 2101, 3025, 6601, 7525, 7701, 8625, 8701,$ $9625, 9801, 10725, 14301, 15225, 16401, \text{ or } 17325 \pmod{23100}$ except $n = 925, 2101, 3025, 6601, 7525, 7701,$ $8625, 8701, 9625, 9801, 10725$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	56	$n \equiv 1, 2401, 4705, 7105, 15681, 18081, 20385, \text{ or } 22785 \pmod{23520}$ except $n = 2401, 4705, 7105$
105	57	$n \equiv 1, 2205, 3781, 5985, 7525, 9045, 11305, 11781, 12825,$ $14365, 15561, 17101, 18145, 18621, 20881, \text{ or } 22401 \pmod{23940}$ except $n = 2205, 3781, 5985, 7525, 9045, 11305, 11781$
105	58	$n \equiv 1, 841, 4641, 5481, 6265, 7105, 8121, 8961, 9745,$ $10585, 14385, 15225, 17865, 18705, 20881, \text{ or } 21721 \pmod{24360}$ except $n = 841, 4641, 5481, 6265, 7105,$ $8121, 8961, 9745, 10585$
105	59	$n \equiv 1, 945, 2065, 4425, 5901, 7021, 9205, 9381, 11565,$ $12685, 14161, 16521, 17641, 18585, 19825, \text{ or } 23541 \pmod{24780}$ except $n = 945, 2065, 4425, 5901, 7021, 9205, 9381, 11565$
105	60	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
105	61	$n \equiv 1, 1281, 2745, 3661, 5125, 6405, 8541, 8785, 12201,$ $13665, 14701, 17325, 18361, 19825, 23241, \text{ or } 23485 \pmod{25620}$ except $n = 1281, 2745, 3661, 5125, 6405, 8541, 8785, 12201$
105	62	$n \equiv 1, 5425, 6945, 7161, 7441, 8401, 14385, 15345, 15625,$ $15841, 17361, 22785, 23065, 24025, 24801, \text{ or } 25761 \pmod{26040}$ except $n = 5425, 6945, 7161, 7441, 8401$
105	63	$n \equiv 1, 9261, 9801, 10045, 10585, 19845, 20385, \text{ or } 25921 \pmod{26460}$ except $n = 9261, 9801, 10045, 10585$
105	64	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
105	65	$n \equiv 1, 6825, 10101, 10725, 11025, 14001, 14301, 14925, 15925,$ $18201, 19201, 19825, 20125, 23101, 23401, \text{ or } 24025 \pmod{27300}$ except $n = 6825, 10101, 10725, 11025$
105	66	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	67	$n \equiv 1, 805, 4221, 9045, 9381, 10185, 10921, 11725, 12061,$ 16885, 20301, 21105, 21441, 22981, 26265, or 27805 (mod 28140) except $n = 805, 4221, 9045, 9381, 10185, 10921, 11725, 12061$
105	68	$n \equiv 1, 561, 1905, 4081, 4641, 5985, 10081, 11425, 11985,$ 14161, 15505, 16065, 19041, 21505, 23121, or 25585 (mod 28560) except $n = 561, 1905, 4081, 4641, 5985,$ 10081, 11425, 11985, 14161
105	69	$n \equiv 1, 2485, 4761, 7245, 8281, 10305, 11845, 13041, 16101,$ 17641, 18585, 20125, 23185, 24381, 25921, or 27945 (mod 28980) except $n = 2485, 4761, 7245, 8281, 10305, 11845, 13041$
105	70	$n \equiv 1, 1225, 2401, 8625, 9801, 11025, 12201,$ or 28225 (mod 29400) except $n = 1225, 2401, 8625, 9801, 11025, 12201$
105	71	$n \equiv 1, 1065, 2485, 5041, 5965, 11005, 11361, 16401, 17325,$ 19881, 21301, 22365, 24921, 25845, 26341, or 27265 (mod 29820) except $n = 1065, 2485, 5041, 5965, 11005, 11361$
105	72	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921,$ or 28161 (mod 30240) except $n = 2241, 13825$
105	73	$n \equiv 1, 7665, 8541, 9345, 10221, 10585, 12265, 15841, 17521,$ 20805, 22485, 26061, 27741, 28105, 28981, or 29785 (mod 30660) except $n = 7665, 8541, 9345, 10221, 10585, 12265$
105	74	$n \equiv 1, 2961, 4921, 6105, 7105, 12321, 13321, 14505, 16465,$ 19425, 20721, 22681, 24865, 25641, 27825, or 29785 (mod 31080) except $n = 2961, 4921, 6105, 7105, 12321, 13321, 14505$
105	75	$n \equiv 1, 3501, 4501, 8001, 15625, 19125, 20125,$ or 23625 (mod 31500) except $n = 3501, 4501, 8001, 15625$
105	76	$n \equiv 1, 5985, 6385, 9121, 10641, 11761, 15505, 17025, 18145,$ 19761, 20881, 22401, 26145, 27265, 28785, or 31521 (mod 31920) except $n = 5985, 6385, 9121, 10641, 11761, 15505$
105	77	$n \equiv 1, 441, 7645, 8085, 8625, 9801, 11221, 18865, 19405,$ 19845, 20581, 21021, 21561, 29205, 30625, or 31801 (mod 32340) except $n = 441, 7645, 8085, 8625, 9801, 11221$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	78	$n \equiv 1, 3745, 5265, 7281, 8281, 11025, 13105, 15561, 17641,$ $20385, 21385, 23401, 24921, 28665, 30681, \text{ or } 30745 \pmod{32760}$ except $n = 3745, 5265, 7281, 8281, 11025, 13105, 15561$
105	79	$n \equiv 1, 3081, 4425, 6321, 11061, 13825, 18565, 20461, 21805,$ $24885, 25201, 26545, 28441, 29625, 31521, \text{ or } 32865 \pmod{33180}$ except $n = 3081, 4425, 6321, 11061, 13825$
105	80	$n \equiv 1, 2625, 8001, 13825, 17025, 19201, 22401, \text{ or } 28225 \pmod{33600}$ except $n = 2625, 8001, 13825$
105	81	$n \equiv 1, 1701, 6805, 8505, 14581, 21141, 21385, \text{ or } 27945 \pmod{34020}$ except $n = 1701, 6805, 8505, 14581$
105	82	$n \equiv 1, 1681, 2625, 4305, 4921, 6601, 11481, 13161, 16401,$ $18081, 20665, 22345, 25585, 27265, 32145, \text{ or } 33825 \pmod{34440}$ except $n = 1681, 2625, 4305, 4921, 6601, 11481, 13161, 16401$
105	83	$n \equiv 1, 2241, 2325, 2905, 9961, 12201, 12285, 13861, 13945,$ $16185, 23241, 23821, 23905, 26145, 27805, \text{ or } 33201 \pmod{34860}$ except $n = 2241, 2325, 2905, 9961, 12201,$ $12285, 13861, 13945, 16185$
105	84	$n \equiv 1, 11025, 18081, 18865, 20385, 25921, 27441, \text{ or } 28225 \pmod{35280}$ except $n = 11025$
105	85	$n \equiv 1, 1225, 1701, 7225, 7701, 8925, 11425, 11901, 13125,$ $19125, 21301, 23325, 25501, 31501, 32725, \text{ or } 33201 \pmod{35700}$ except $n = 1225, 1701, 7225, 7701, 8925, 11425, 11901, 13125$
105	86	$n \equiv 1, 2065, 6321, 7225, 11481, 13545, 18361, 18705, 18921,$ $23521, 24081, 25585, 26145, 30745, 30961, \text{ or } 31305 \pmod{36120}$ except $n = 2065, 6321, 7225, 11481, 13545$
105	87	$n \equiv 1, 2205, 5481, 6265, 6525, 9541, 10585, 16821, 17865,$ $20881, 21141, 21925, 25201, 27405, 31465, \text{ or } 32481 \pmod{36540}$ except $n = 2205, 5481, 6265, 6525, 9541, 10585, 16821, 17865$
105	88	$n \equiv 1, 385, 5985, 6721, 12321, 12705, 14785, 15841, 19041,$ $21505, 22561, 27105, 28161, 30625, 33825, \text{ or } 34881 \pmod{36960}$ except $n = 385, 5985, 6721, 12321, 12705, 14785, 15841$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	89	$n \equiv 1, 4005, 5341, 9345, 11481, 16465, 16821, 17445, 21805,$ $22785, 23941, 24921, 29281, 29905, 30261, \text{ or } 35245 \pmod{37380}$ except $n = 4005, 5341, 9345, 11481, 16465, 16821, 17445$
105	90	$n \equiv 1, 3025, 9801, 10801, 12825, 13825, 20601, \text{ or } 23625 \pmod{37800}$ except $n = 3025, 9801, 10801, 12825, 13825$
105	91	$n \equiv 1, 3381, 7645, 8281, 11025, 12741, 15925, 17641, 20385,$ $21021, 25285, 28665, 28861, 30381, 36505, \text{ or } 38025 \pmod{38220}$ except $n = 3381, 7645, 8281, 11025, 12741, 15925, 17641$
105	92	$n \equiv 1, 8625, 10305, 10465, 12145, 13041, 14721, 21505, 23185,$ $24081, 25761, 25921, 27601, 36225, 36961, \text{ or } 37905 \pmod{38640}$ except $n = 8625, 10305, 10465, 12145, 13041, 14721$
105	93	$n \equiv 1, 9765, 10045, 11781, 15345, 15625, 15841, 17361, 21421,$ $27405, 31465, 32985, 33201, 33481, 37045, \text{ or } 38781 \pmod{39060}$ except $n = 9765, 10045, 11781, 15345, 15625, 15841, 17361$
105	94	$n \equiv 1, 2961, 5265, 6721, 11985, 13161, 14665, 19881, 21385,$ $22561, 27825, 29281, 31585, 34545, 35721, \text{ or } 38305 \pmod{39480}$ except $n = 2961, 5265, 6721, 11985, 13161, 14665$
105	95	$n \equiv 1, 3325, 3801, 7525, 12825, 12901, 17025, 17101, 22401,$ $26125, 26601, 29925, 30325, 34125, 35701, \text{ or } 39501 \pmod{39900}$ except $n = 3325, 3801, 7525, 12825, 12901, 17025, 17101$
105	96	$n \equiv 1, 5761, 8065, 13825, 22401, 28161, 30465, \text{ or } 36225 \pmod{40320}$ except $n = 5761, 8065, 13825$
105	97	$n \equiv 1, 1261, 8925, 10185, 11641, 12901, 13581, 14841, 24445,$ $25221, 25705, 26481, 36085, 37345, 38025, \text{ or } 39285 \pmod{40740}$ except $n = 1261, 8925, 10185, 11641, 12901, 13581, 14841$
105	98	$n \equiv 1, 2401, 2745, 5145, 16465, 18865, 27441, \text{ or } 29841 \pmod{41160}$ except $n = 2401, 2745, 5145, 16465, 18865$
105	99	$n \equiv 1, 1485, 3025, 9801, 11341, 19845, 21385, 28161, 29701,$ $31185, 31725, 32725, 33265, 39501, 40041, \text{ or } 41041 \pmod{41580}$ except $n = 1485, 3025, 9801, 11341, 19845$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	100	$n \equiv 1, 2625, 8001, 8625, 14001, 30625, 36001, \text{ or } 36625 \pmod{42000}$ except $n = 2625, 8001, 8625, 14001$
105	101	$n \equiv 1, 505, 2121, 8485, 10101, 10605, 16261, 18585, 20301,$ $24241, 24745, 28281, 28785, 32725, 34441, \text{ or } 36765 \pmod{42420}$ except $n = 505, 2121, 8485, 10101, 10605, 16261, 18585, 20301$
105	102	$n \equiv 1, 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361,$ $23121, 25705, 28441, 30465, 33201, 35785, \text{ or } 40545 \pmod{42840}$ except $n = 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361$
105	103	$n \equiv 1, 721, 6181, 8961, 11845, 14421, 15141, 17305, 18025,$ $20601, 23485, 26265, 31725, 32445, 37801, \text{ or } 37905 \pmod{43260}$ except $n = 721, 6181, 8961, 11845, 14421,$ $15141, 17305, 18025, 20601$
105	104	$n \equiv 1, 3745, 4641, 6721, 10465, 12481, 19201, 20385, 27105,$ $29121, 32865, 34945, 35841, 39585, 41601, \text{ or } 41665 \pmod{43680}$ except $n = 3745, 4641, 6721, 10465, 12481, 19201, 20385$
105	105	$n \equiv 1, 1225, 9801, 11025, 17101, 26901, 28225, \text{ or } 38025 \pmod{44100}$ except $n = 1225, 9801, 11025, 17101$
105	106	$n \equiv 1, 2121, 4081, 8905, 11025, 12985, 14841, 16801, 18921,$ $23745, 25705, 27825, 31641, 31801, 40545, \text{ or } 40705 \pmod{44520}$ except $n = 2121, 4081, 8905, 11025, 12985, 14841, 16801, 18921$
105	107	$n \equiv 1, 3745, 5565, 6741, 10165, 11985, 13161, 20545, 21721,$ $23541, 26965, 28141, 29961, 33705, 38521, \text{ or } 40125 \pmod{44940}$ except $n = 3745, 5565, 6741, 10165, 11985, 13161, 20545, 21721$
105	108	$n \equiv 1, 5265, 13041, 18145, 25921, 31185, 32481, \text{ or } 44065 \pmod{45360}$ except $n = 5265, 13041, 18145$
105	109	$n \equiv 1, 981, 5341, 6105, 10465, 11445, 15261, 19621, 20601,$ $22345, 25725, 31501, 34881, 36625, 37605, \text{ or } 41965 \pmod{45780}$ except $n = 981, 5341, 6105, 10465, 11445,$ $15261, 19621, 20601, 22345$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	110	$n \equiv 1, 3025, 6601, 8625, 9625, 9801, 15225, 16401, 24025,$ $25201, 30625, 30801, 31801, 33825, 37401, \text{ or } 40425 \pmod{46200}$ except $n = 3025, 6601, 8625, 9625, 9801, 15225, 16401$
105	111	$n \equiv 1, 2961, 9325, 12285, 12321, 13321, 21645, 22645, 22681,$ $25641, 32005, 34965, 36001, 36261, 45325, \text{ or } 45585 \pmod{46620}$ except $n = 2961, 9325, 12285, 12321, 13321, 21645, 22645, 22681$
105	112	$n \equiv 1, 7105, 15681, 22785, 25921, 28225, 41601, \text{ or } 43905 \pmod{47040}$ except $n = 7105, 15681, 22785$
105	113	$n \equiv 1, 3165, 5425, 6441, 8701, 11865, 18081, 18985, 22261,$ $25425, 27685, 31641, 33901, 37065, 40341, \text{ or } 41245 \pmod{47460}$ except $n = 3165, 5425, 6441, 8701, 11865, 18081, 18985, 22261$
105	114	$n \equiv 1, 5985, 11305, 12825, 15561, 18145, 20881, 22401, 26145,$ $27721, 31465, 32985, 35721, 38305, 41041, \text{ or } 42561 \pmod{47880}$ except $n = 5985, 11305, 12825, 15561, 18145, 20881, 22401$
105	115	$n \equiv 1, 6601, 8625, 8925, 13525, 16101, 20125, 22701, 27301,$ $27601, 29625, 36225, 40825, 41125, 43401, \text{ or } 43701 \pmod{48300}$ except $n = 6601, 8625, 8925, 13525, 16101, 20125, 22701$
105	116	$n \equiv 1, 4641, 7105, 8961, 9745, 14385, 18705, 20881, 25201,$ $29841, 30625, 32481, 34945, 39585, 42225, \text{ or } 46081 \pmod{48720}$ except $n = 4641, 7105, 8961, 9745, 14385, 18705, 20881$
105	117	$n \equiv 1, 5265, 7021, 12285, 14365, 20385, 21385, 24921, 27405,$ $29485, 31941, 34021, 36505, 40041, 41041, \text{ or } 47061 \pmod{49140}$ except $n = 5265, 7021, 12285, 14365, 20385, 21385$
105	118	$n \equiv 1, 945, 2065, 4425, 14161, 16521, 17641, 18585, 19825,$ $30681, 31801, 33985, 34161, 36345, 37465, \text{ or } 48321 \pmod{49560}$ except $n = 945, 2065, 4425, 14161, 16521, 17641, 18585, 19825$
105	119	$n \equiv 1, 1225, 2941, 4165, 11221, 14161, 23325, 26265, 33321,$ $34545, 36261, 37485, 39985, 42925, 44541, \text{ or } 47481 \pmod{49980}$ except $n = 1225, 2941, 4165, 11221, 14161, 23325$
105	120	$n \equiv 1, 225, 8001, 13825, 22401, 28225, 36001, \text{ or } 36225 \pmod{50400}$ except $n = 225, 8001, 13825, 22401$

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Table 104: Superspectra for  $p = 105$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
105	121	$n \equiv 1, 2541, 2905, 3025, 9681, 9801, 10165, 12705, 16941,$ $19845, 19965, 27105, 36421, 43561, 43681, \text{ or } 46585 \pmod{50820}$ except $n = 2541, 2905, 3025, 9681, 9801,$ $10165, 12705, 16941, 19845, 19965$
105	122	$n \equiv 1, 1281, 2745, 8785, 12201, 13665, 18361, 19825, 23241,$ $29281, 30745, 32025, 34161, 40321, 42945, \text{ or } 49105 \pmod{51240}$ except $n = 1281, 2745, 8785, 12201, 13665, 18361, 19825, 23241$
105	123	$n \equiv 1, 10045, 16605, 18081, 18901, 19845, 20665, 22141, 28701,$ $38745, 39565, 41041, 42805, 47601, 49365, \text{ or } 50841 \pmod{51660}$ except $n = 10045, 16605, 18081, 18901, 19845, 20665, 22141$
105	124	$n \equiv 1, 5425, 6945, 7441, 8401, 14385, 15345, 15841, 17361,$ $22785, 24801, 25761, 33201, 41665, 49105, \text{ or } 50065 \pmod{52080}$ except $n = 5425, 6945, 7441, 8401, 14385, 15345,$ $15841, 17361, 22785, 24801, 25761$
105	125	$n \equiv 1, 13125, 15001, 15625, 30625, 35001, 50001, \text{ or } 50625 \pmod{52500}$ except $n = 13125, 15001, 15625$
105	126	$n \equiv 1, 9801, 10585, 20385, 25921, 35721, 36505, \text{ or } 46305 \pmod{52920}$ except $n = 9801, 10585, 20385, 25921$
105	127	$n \equiv 1, 1905, 2541, 5461, 8001, 16765, 17781, 22225, 23241,$ $32005, 34545, 37465, 38101, 40005, 43561, \text{ or } 49785 \pmod{53340}$ except $n = 1905, 2541, 5461, 8001, 16765, 17781, 22225, 23241$
105	128	$n \equiv 1, 3585, 13825, 21505, 28161, 35841, 46081, \text{ or } 49665 \pmod{53760}$ except $n = 3585, 13825, 21505$

Table 105: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 106$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
106	2	$n \equiv 1 \text{ or } 689 \pmod{848}$

*continued on next page*

Table 105: Superspectra for  $p = 106$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
106	3	$n \equiv 1, 265, 849, \text{ or } 1113 \pmod{1272}$ except $n = 265$
106	4	$n \equiv 1 \text{ or } 1537 \pmod{1696}$
106	5	$n \equiv 1, 265, 425, \text{ or } 1961 \pmod{2120}$ except $n = 265, 425$
106	6	$n \equiv 1, 849, 1537, \text{ or } 2385 \pmod{2544}$ except $n = 849$
106	7	$n \equiv 1, 1113, 1961, \text{ or } 2121 \pmod{2968}$ except $n = 1113$
106	8	$n \equiv 1 \text{ or } 1537 \pmod{3392}$ except $n = 1537$
106	9	$n \equiv 1, 2385, 2809, \text{ or } 3393 \pmod{3816}$
106	10	$n \equiv 1, 2385, 2545, \text{ or } 4081 \pmod{4240}$
106	11	$n \equiv 1, 265, 3817, \text{ or } 4081 \pmod{4664}$ except $n = 265$
106	12	$n \equiv 1, 1537, 3393, \text{ or } 4929 \pmod{5088}$ except $n = 1537$
106	13	$n \equiv 1, 689, 2809, \text{ or } 3393 \pmod{5512}$ except $n = 689$
106	14	$n \equiv 1, 4081, 4929, \text{ or } 5089 \pmod{5936}$
106	15	$n \equiv 1, 265, 2121, 2385, 2545, 4081, 4665, \text{ or } 6201 \pmod{6360}$ except $n = 265, 2121, 2385, 2545$
106	16	$n \equiv 1 \text{ or } 1537 \pmod{6784}$ except $n = 1537$
106	17	$n \equiv 1, 425, 4081, \text{ or } 4505 \pmod{7208}$ except $n = 425$
106	18	$n \equiv 1, 2385, 3393, \text{ or } 6625 \pmod{7632}$ except $n = 2385, 3393$
106	19	$n \equiv 1, 1273, 5777, \text{ or } 7049 \pmod{8056}$ except $n = 1273$
106	20	$n \equiv 1, 6625, 6785, \text{ or } 8321 \pmod{8480}$
106	21	$n \equiv 1, 1113, 2121, 4081, 4929, 5089, 5937, \text{ or } 7897 \pmod{8904}$ except $n = 1113, 2121, 4081$
106	22	$n \equiv 1, 4081, 4929, \text{ or } 8481 \pmod{9328}$ except $n = 4081$
106	23	$n \equiv 1, 3657, 6625, \text{ or } 6785 \pmod{9752}$ except $n = 3657$
106	24	$n \equiv 1, 1537, 3393, \text{ or } 4929 \pmod{10176}$ except $n = 1537, 3393, 4929$
106	25	$n \equiv 1, 425, 6201, \text{ or } 6625 \pmod{10600}$ except $n = 425$
106	26	$n \equiv 1, 689, 3393, \text{ or } 8321 \pmod{11024}$ except $n = 689, 3393$

*continued on next page*



Table 105: Superspectra for  $p = 106$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
106	27	$n \equiv 1, 2809, 7209, \text{ or } 10017 \pmod{11448}$ except $n = 2809$
106	28	$n \equiv 1, 4929, 5089, \text{ or } 10017 \pmod{11872}$ except $n = 4929, 5089$
106	29	$n \equiv 1, 1537, 3393, \text{ or } 10441 \pmod{12296}$ except $n = 1537, 3393$
106	30	$n \equiv 1, 2385, 2545, 4081, 6625, 8481, 11025, \text{ or } 12561 \pmod{12720}$ except $n = 2385, 2545, 4081$
106	31	$n \equiv 1, 4929, 6201, \text{ or } 11873 \pmod{13144}$ except $n = 4929, 6201$
106	32	$n \equiv 1 \text{ or } 1537 \pmod{13568}$ except $n = 1537$
106	33	$n \equiv 1, 265, 3817, 4081, 4665, 4929, 8481, \text{ or } 8745 \pmod{13992}$ except $n = 265, 3817, 4081, 4665, 4929$
106	34	$n \equiv 1, 4081, 7633, \text{ or } 11713 \pmod{14416}$ except $n = 4081$
106	35	$n \equiv 1, 1961, 2121, 4081, 8905, 10865, 11025, \text{ or } 12985 \pmod{14840}$ except $n = 1961, 2121, 4081$
106	36	$n \equiv 1, 3393, 6625, \text{ or } 10017 \pmod{15264}$ except $n = 3393, 6625$
106	37	$n \equiv 1, 1961, 5513, \text{ or } 12137 \pmod{15688}$ except $n = 1961, 5513$
106	38	$n \equiv 1, 5777, 9329, \text{ or } 15105 \pmod{16112}$ except $n = 5777$
106	39	$n \equiv 1, 2809, 3393, 6201, 8905, 11025, 11713, \text{ or } 13833 \pmod{16536}$ except $n = 2809, 3393, 6201$
106	40	$n \equiv 1, 6785, 8321, \text{ or } 15105 \pmod{16960}$ except $n = 6785, 8321$
106	41	$n \equiv 1, 10865, 12137, \text{ or } 16113 \pmod{17384}$
106	42	$n \equiv 1, 4081, 4929, 5089, 5937, 10017, 11025, \text{ or } 16801 \pmod{17808}$ except $n = 4081, 4929, 5089, 5937$
106	43	$n \equiv 1, 689, 15265, \text{ or } 15953 \pmod{18232}$ except $n = 689$
106	44	$n \equiv 1, 4929, 8481, \text{ or } 13409 \pmod{18656}$ except $n = 4929, 8481$
106	45	$n \equiv 1, 2385, 6201, 6625, 10441, 11025, 14841, \text{ or } 15265 \pmod{19080}$ except $n = 2385, 6201, 6625$
106	46	$n \equiv 1, 6625, 6785, \text{ or } 13409 \pmod{19504}$ except $n = 6625, 6785$
106	47	$n \equiv 1, 7473, 7897, \text{ or } 19505 \pmod{19928}$ except $n = 7473, 7897$

*continued on next page*

Table 105: Superspectra for  $p = 106$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
106	48	$n \equiv 1, 1537, 13569, \text{ or } 15105 \pmod{20352}$ except $n = 1537$
106	49	$n \equiv 1, 1961, 11025, \text{ or } 12985 \pmod{20776}$ except $n = 1961$
106	50	$n \equiv 1, 6625, 11025, \text{ or } 16801 \pmod{21200}$ except $n = 6625$
106	51	$n \equiv 1, 4081, 7209, 7633, 11289, 11713, 14841, \text{ or } 18921 \pmod{21624}$ except $n = 4081, 7209, 7633$
106	52	$n \equiv 1, 3393, 8321, \text{ or } 11713 \pmod{22048}$ except $n = 3393, 8321$
106	53	$n \equiv 1 \text{ or } 2809 \pmod{22472}$ except $n = 2809$
106	54	$n \equiv 1, 10017, 14257, \text{ or } 18657 \pmod{22896}$ except $n = 10017$
106	55	$n \equiv 1, 265, 4081, 4665, 8481, 8745, 13145, \text{ or } 18921 \pmod{23320}$ except $n = 265, 4081, 4665, 8481, 8745$
106	56	$n \equiv 1, 4929, 16961, \text{ or } 21889 \pmod{23744}$ except $n = 4929$
106	57	$n \equiv 1, 1273, 13833, 15105, 16113, 17385, 21889, \text{ or } 23161 \pmod{24168}$ except $n = 1273$
106	58	$n \equiv 1, 1537, 3393, \text{ or } 22737 \pmod{24592}$ except $n = 1537, 3393$
106	59	$n \equiv 1, 6785, 15105, \text{ or } 21889 \pmod{25016}$ except $n = 6785$
106	60	$n \equiv 1, 6625, 8481, 15105, 15265, 16801, 23745, \text{ or } 25281 \pmod{25440}$ except $n = 6625, 8481$
106	61	$n \equiv 1, 3233, 11713, \text{ or } 17385 \pmod{25864}$ except $n = 3233, 11713$
106	62	$n \equiv 1, 4929, 11873, \text{ or } 19345 \pmod{26288}$ except $n = 4929, 11873$
106	63	$n \equiv 1, 10017, 11025, 13833, 14841, 21889, 22897, \text{ or } 25705 \pmod{26712}$ except $n = 10017, 11025$
106	64	$n \equiv 1 \text{ or } 1537 \pmod{27136}$ except $n = 1537$
106	65	$n \equiv 1, 6201, 8321, 8905, 11025, 17225, 19345, \text{ or } 25441 \pmod{27560}$ except $n = 6201, 8321, 8905, 11025$
106	66	$n \equiv 1, 4081, 4929, 8481, 14257, 17809, 18657, \text{ or } 22737 \pmod{27984}$ except $n = 4081, 4929, 8481$
106	67	$n \equiv 1, 1273, 23585, \text{ or } 24857 \pmod{28408}$ except $n = 1273$

*continued on next page*

Table 105: Superspectra for  $p = 106$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
106	68	$n \equiv 1, 11713, 18497, \text{ or } 22049 \pmod{28832}$ except $n = 11713$
106	69	$n \equiv 1, 3657, 6625, 9753, 16377, 16537, 23161, \text{ or } 26289 \pmod{29256}$ except $n = 3657, 6625, 9753$
106	70	$n \equiv 1, 4081, 10865, 11025, 16801, 16961, 23745, \text{ or } 27825 \pmod{29680}$ except $n = 4081, 10865, 11025$
106	71	$n \equiv 1, 11289, 15265, \text{ or } 26129 \pmod{30104}$ except $n = 11289$
106	72	$n \equiv 1, 3393, 21889, \text{ or } 25281 \pmod{30528}$ except $n = 3393$
106	73	$n \equiv 1, 19345, 19929, \text{ or } 30369 \pmod{30952}$
106	74	$n \equiv 1, 17649, 21201, \text{ or } 27825 \pmod{31376}$
106	75	$n \equiv 1, 6201, 6625, 11025, 16801, 21201, 21625, \text{ or } 27825 \pmod{31800}$ except $n = 6201, 6625, 11025$
106	76	$n \equiv 1, 15105, 21889, \text{ or } 25441 \pmod{32224}$ except $n = 15105$
106	77	$n \equiv 1, 4081, 4929, 13993, 17809, 18921, 22737, \text{ or } 31801 \pmod{32648}$ except $n = 4081, 4929, 13993$
106	78	$n \equiv 1, 3393, 11025, 11713, 19345, 22737, 25441, \text{ or } 30369 \pmod{33072}$ except $n = 3393, 11025, 11713$
106	79	$n \equiv 1, 12561, 20777, \text{ or } 25281 \pmod{33496}$ except $n = 12561$
106	80	$n \equiv 1, 6785, 8321, \text{ or } 15105 \pmod{33920}$ except $n = 6785, 8321, 15105$
106	81	$n \equiv 1, 7209, 14257, \text{ or } 21465 \pmod{34344}$ except $n = 7209, 14257$
106	82	$n \equiv 1, 10865, 16113, \text{ or } 29521 \pmod{34768}$ except $n = 10865, 16113$
106	83	$n \equiv 1, 11289, 19505, \text{ or } 30793 \pmod{35192}$ except $n = 11289$
106	84	$n \equiv 1, 4929, 5089, 10017, 16801, 21889, 23745, \text{ or } 28833 \pmod{35616}$ except $n = 4929, 5089, 10017, 16801$
106	85	$n \equiv 1, 425, 4081, 4505, 14841, 18921, 21625, \text{ or } 25705 \pmod{36040}$ except $n = 425, 4081, 4505, 14841$
106	86	$n \equiv 1, 689, 15265, \text{ or } 15953 \pmod{36464}$ except $n = 689, 15265, 15953$
106	87	$n \equiv 1, 1537, 3393, 10441, 12297, 13833, 22737, \text{ or } 27985 \pmod{36888}$ except $n = 1537, 3393, 10441, 12297, 13833$

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Table 105: Superspectra for  $p = 106$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
106	88	$n \equiv 1, 4929, 27137, \text{ or } 32065 \pmod{37312}$ except $n = 4929$
106	89	$n \equiv 1, 7209, 16377, \text{ or } 23585 \pmod{37736}$ except $n = 7209, 16377$
106	90	$n \equiv 1, 2385, 6625, 11025, 15265, 25281, 29521, \text{ or } 33921 \pmod{38160}$ except $n = 2385, 6625, 11025, 15265$
106	91	$n \equiv 1, 8905, 11025, 13833, 19929, 22737, 24857, \text{ or } 33761 \pmod{38584}$ except $n = 8905, 11025, 13833$
106	92	$n \equiv 1, 6625, 6785, \text{ or } 13409 \pmod{39008}$ except $n = 6625, 6785, 13409$
106	93	$n \equiv 1, 4929, 6201, 18073, 19345, 25017, 26289, \text{ or } 38161 \pmod{39432}$ except $n = 4929, 6201, 18073, 19345$
106	94	$n \equiv 1, 7473, 19505, \text{ or } 27825 \pmod{39856}$ except $n = 7473, 19505$
106	95	$n \equiv 1, 15105, 17385, 23161, 25441, 29945, 32225, \text{ or } 38001 \pmod{40280}$ except $n = 15105, 17385$
106	96	$n \equiv 1, 1537, 13569, \text{ or } 15105 \pmod{40704}$ except $n = 1537, 13569, 15105$
106	97	$n \equiv 1, 10865, 14841, \text{ or } 25705 \pmod{41128}$ except $n = 10865, 14841$
106	98	$n \equiv 1, 11025, 22737, \text{ or } 33761 \pmod{41552}$ except $n = 11025$
106	99	$n \equiv 1, 3817, 14257, 18073, 18657, 22473, 32913, \text{ or } 36729 \pmod{41976}$ except $n = 3817, 14257, 18073, 18657$
106	100	$n \equiv 1, 6625, 16801, \text{ or } 32225 \pmod{42400}$ except $n = 6625, 16801$
106	101	$n \equiv 1, 2121, 3233, \text{ or } 5353 \pmod{42824}$ except $n = 2121, 3233, 5353$
106	102	$n \equiv 1, 4081, 7633, 11713, 28833, 32913, 36465, \text{ or } 40545 \pmod{43248}$ except $n = 4081, 7633, 11713$
106	103	$n \equiv 1, 16377, 25441, \text{ or } 34609 \pmod{43672}$ except $n = 16377$
106	104	$n \equiv 1, 3393, 8321, \text{ or } 11713 \pmod{44096}$ except $n = 3393, 8321, 11713$
106	105	$n \equiv 1, 2121, 4081, 8905, 11025, 12985, 14841, 16801, 18921,$ $23745, 25705, 27825, 31641, 31801, 40545, \text{ or } 40705 \pmod{44520}$ except $n = 2121, 4081, 8905, 11025, 12985, 14841, 16801, 18921$
106	106	$n \equiv 1 \text{ or } 25281 \pmod{44944}$
106	107	$n \equiv 1, 11449, 28249, \text{ or } 39697 \pmod{45368}$ except $n = 11449$

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Table 105: Superspectra for  $p = 106$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
106	108	$n \equiv 1, 10017, 18657, \text{ or } 37153 \pmod{45792}$ except $n = 10017, 18657$
106	109	$n \equiv 1, 5777, 9593, \text{ or } 42401 \pmod{46216}$ except $n = 5777, 9593$
106	110	$n \equiv 1, 4081, 8481, 23585, 27985, 32065, 36465, \text{ or } 42241 \pmod{46640}$ except $n = 4081, 8481$
106	111	$n \equiv 1, 17649, 21201, 27825, 31377, 33337, 36889, \text{ or } 43513 \pmod{47064}$ except $n = 17649, 21201$
106	112	$n \equiv 1, 21889, 28673, \text{ or } 40705 \pmod{47488}$ except $n = 21889$
106	113	$n \equiv 1, 29945, 31641, \text{ or } 46217 \pmod{47912}$
106	114	$n \equiv 1, 15105, 16113, 21889, 25441, 38001, 41553, \text{ or } 47329 \pmod{48336}$ except $n = 15105, 16113, 21889$
106	115	$n \equiv 1, 6625, 6785, 19505, 23161, 35881, 36041, \text{ or } 42665 \pmod{48760}$ except $n = 6625, 6785, 19505, 23161$
106	116	$n \equiv 1, 1537, 3393, \text{ or } 47329 \pmod{49184}$ except $n = 1537, 3393$
106	117	$n \equiv 1, 2809, 3393, 6201, 11025, 13833, 41977, \text{ or } 44785 \pmod{49608}$ except $n = 2809, 3393, 6201, 11025, 13833$
106	118	$n \equiv 1, 6785, 15105, \text{ or } 21889 \pmod{50032}$ except $n = 6785, 15105, 21889$
106	119	$n \equiv 1, 4081, 14841, 18921, 25705, 28833, 40545, \text{ or } 43673 \pmod{50456}$ except $n = 4081, 14841, 18921$
106	120	$n \equiv 1, 15105, 23745, 25281, 32065, 33921, 40705, \text{ or } 42241 \pmod{50880}$ except $n = 15105, 23745, 25281$
106	121	$n \equiv 1, 32065, 32913, \text{ or } 50457 \pmod{51304}$
106	122	$n \equiv 1, 3233, 11713, \text{ or } 43249 \pmod{51728}$ except $n = 3233, 11713$
106	123	$n \equiv 1, 16113, 17385, 28249, 29521, 45633, 46905, \text{ or } 50881 \pmod{52152}$ except $n = 16113, 17385$
106	124	$n \equiv 1, 4929, 11873, \text{ or } 45633 \pmod{52576}$ except $n = 4929, 11873$
106	125	$n \equiv 1, 6625, 21625, \text{ or } 38001 \pmod{53000}$ except $n = 6625, 21625$
106	126	$n \equiv 1, 10017, 11025, 21889, 22897, 40545, 41553, \text{ or } 52417 \pmod{53424}$ except $n = 10017, 11025, 21889, 22897$

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Table 105: Superspectra for  $p = 106$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
106	127	$n \equiv 1, 20193, 26289, \text{ or } 47753 \pmod{53848}$ except $n = 20193, 26289$
106	128	$n \equiv 1 \text{ or } 28673 \pmod{54272}$

Table 106: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 107$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
107	2	$n \equiv 1 \text{ or } 321 \pmod{856}$ except $n = 321$
107	3	$n \equiv 1, 321, 429, \text{ or } 1177 \pmod{1284}$ except $n = 321, 429$
107	4	$n \equiv 1 \text{ or } 321 \pmod{1712}$ except $n = 321$
107	5	$n \equiv 1, 321, 1285, \text{ or } 1605 \pmod{2140}$ except $n = 321$
107	6	$n \equiv 1, 321, 1177, \text{ or } 1713 \pmod{2568}$ except $n = 321, 1177$
107	7	$n \equiv 1, 749, 1177, \text{ or } 2569 \pmod{2996}$ except $n = 749, 1177$
107	8	$n \equiv 1 \text{ or } 321 \pmod{3424}$ except $n = 321$
107	9	$n \equiv 1, 2889, 2997, \text{ or } 3745 \pmod{3852}$
107	10	$n \equiv 1, 321, 3425, \text{ or } 3745 \pmod{4280}$ except $n = 321$
107	11	$n \equiv 1, 429, 749, \text{ or } 1177 \pmod{4708}$ except $n = 429, 749, 1177$
107	12	$n \equiv 1, 321, 1713, \text{ or } 3745 \pmod{5136}$ except $n = 321, 1713$
107	13	$n \equiv 1, 429, 3745, \text{ or } 4173 \pmod{5564}$ except $n = 429$
107	14	$n \equiv 1, 1177, 2569, \text{ or } 3745 \pmod{5992}$ except $n = 1177, 2569$
107	15	$n \equiv 1, 321, 1285, 1605, 2461, 3745, 4281, \text{ or } 5565 \pmod{6420}$ except $n = 321, 1285, 1605, 2461$
107	16	$n \equiv 1 \text{ or } 321 \pmod{6848}$ except $n = 321$
107	17	$n \equiv 1, 749, 4709, \text{ or } 5457 \pmod{7276}$ except $n = 749$
107	18	$n \equiv 1, 2889, 3745, \text{ or } 6849 \pmod{7704}$ except $n = 2889, 3745$
107	19	$n \equiv 1, 2033, 2889, \text{ or } 7277 \pmod{8132}$ except $n = 2033, 2889$

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Table 106: Superspectra for  $p = 107$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
107	20	$n \equiv 1, 321, 3425, \text{ or } 3745 \pmod{8560}$ except $n = 321, 3425, 3745$
107	21	$n \equiv 1, 1177, 2569, 2997, 3745, 4173, 5565, \text{ or } 6741 \pmod{8988}$ except $n = 1177, 2569, 2997, 3745, 4173$
107	22	$n \equiv 1, 1177, 5137, \text{ or } 5457 \pmod{9416}$ except $n = 1177$
107	23	$n \equiv 1, 2461, 4601, \text{ or } 7705 \pmod{9844}$ except $n = 2461, 4601$
107	24	$n \equiv 1, 321, 3745, \text{ or } 6849 \pmod{10272}$ except $n = 321, 3745$
107	25	$n \equiv 1, 3425, 4601, \text{ or } 8025 \pmod{10700}$ except $n = 3425, 4601$
107	26	$n \equiv 1, 3745, 5993, \text{ or } 9737 \pmod{11128}$ except $n = 3745$
107	27	$n \equiv 1, 2889, 2997, \text{ or } 11449 \pmod{11556}$ except $n = 2889, 2997$
107	28	$n \equiv 1, 3745, 7169, \text{ or } 8561 \pmod{11984}$ except $n = 3745$
107	29	$n \equiv 1, 9309, 10701, \text{ or } 11021 \pmod{12412}$
107	30	$n \equiv 1, 321, 3745, 4281, 7705, 8025, 8881, \text{ or } 11985 \pmod{12840}$ except $n = 321, 3745, 4281$
107	31	$n \equiv 1, 3317, 5457, \text{ or } 11129 \pmod{13268}$ except $n = 3317, 5457$
107	32	$n \equiv 1 \text{ or } 7169 \pmod{13696}$
107	33	$n \equiv 1, 429, 1177, 5137, 5457, 9417, 10165, \text{ or } 10593 \pmod{14124}$ except $n = 429, 1177, 5137, 5457$
107	34	$n \equiv 1, 5457, 8025, \text{ or } 11985 \pmod{14552}$ except $n = 5457$
107	35	$n \equiv 1, 3745, 5565, 6741, 8561, 10165, 11985, \text{ or } 13161 \pmod{14980}$ except $n = 3745, 5565, 6741$
107	36	$n \equiv 1, 3745, 6849, \text{ or } 10593 \pmod{15408}$ except $n = 3745, 6849$
107	37	$n \equiv 1, 2997, 8881, \text{ or } 11877 \pmod{15836}$ except $n = 2997$
107	38	$n \equiv 1, 2033, 2889, \text{ or } 15409 \pmod{16264}$ except $n = 2033, 2889$
107	39	$n \equiv 1, 429, 3745, 4173, 5565, 9309, 11557, \text{ or } 15301 \pmod{16692}$ except $n = 429, 3745, 4173, 5565$
107	40	$n \equiv 1, 321, 3425, \text{ or } 3745 \pmod{17120}$ except $n = 321, 3425, 3745$
107	41	$n \equiv 1, 2461, 10701, \text{ or } 13161 \pmod{17548}$ except $n = 2461$

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Table 106: Superspectra for  $p = 107$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
107	42	$n \equiv 1, 1177, 2569, 3745, 11985, 13161, 14553, \text{ or } 15729 \pmod{17976}$ except $n = 1177, 2569, 3745$
107	43	$n \equiv 1, 4601, 9417, \text{ or } 13589 \pmod{18404}$ except $n = 4601$
107	44	$n \equiv 1, 5137, 5457, \text{ or } 10593 \pmod{18832}$ except $n = 5137, 5457$
107	45	$n \equiv 1, 3745, 6741, 7705, 10701, 14445, 15301, \text{ or } 18405 \pmod{19260}$ except $n = 3745, 6741, 7705$
107	46	$n \equiv 1, 4601, 7705, \text{ or } 12305 \pmod{19688}$ except $n = 4601, 7705$
107	47	$n \equiv 1, 5029, 11985, \text{ or } 13161 \pmod{20116}$ except $n = 5029$
107	48	$n \equiv 1, 321, 6849, \text{ or } 14017 \pmod{20544}$ except $n = 321, 6849$
107	49	$n \equiv 1, 1177, 14553, \text{ or } 15729 \pmod{20972}$ except $n = 1177$
107	50	$n \equiv 1, 3425, 4601, \text{ or } 8025 \pmod{21400}$ except $n = 3425, 4601, 8025$
107	51	$n \equiv 1, 5457, 8025, 11985, 12733, 14553, 15301, \text{ or } 19261 \pmod{21828}$ except $n = 5457, 8025$
107	52	$n \equiv 1, 3745, 17121, \text{ or } 20865 \pmod{22256}$ except $n = 3745$
107	53	$n \equiv 1, 5565, 11449, \text{ or } 17013 \pmod{22684}$ except $n = 5565$
107	54	$n \equiv 1, 2889, 11449, \text{ or } 14553 \pmod{23112}$ except $n = 2889, 11449$
107	55	$n \equiv 1, 5885, 9845, 10165, 14125, 15301, 19261, \text{ or } 19581 \pmod{23540}$ except $n = 5885, 9845, 10165$
107	56	$n \equiv 1, 3745, 7169, \text{ or } 20545 \pmod{23968}$ except $n = 3745, 7169$
107	57	$n \equiv 1, 2889, 8133, 10165, 15409, 18297, 19153, \text{ or } 23541 \pmod{24396}$ except $n = 2889, 8133, 10165$
107	58	$n \equiv 1, 21721, 23113, \text{ or } 23433 \pmod{24824}$
107	59	$n \equiv 1, 6313, 8025, \text{ or } 23541 \pmod{25252}$ except $n = 6313, 8025$
107	60	$n \equiv 1, 321, 3745, 8881, 11985, 17121, 20545, \text{ or } 20865 \pmod{25680}$ except $n = 321, 3745, 8881, 11985$
107	61	$n \equiv 1, 19581, 20009, \text{ or } 25681 \pmod{26108}$
107	62	$n \equiv 1, 5457, 11129, \text{ or } 16585 \pmod{26536}$ except $n = 5457, 11129$

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Table 106: Superspectra for  $p = 107$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
107	63	$n \equiv 1, 2997, 3745, 6741, 11557, 14553, 19153, \text{ or } 22149 \pmod{26964}$ except $n = 2997, 3745, 6741, 11557$
107	64	$n \equiv 1 \text{ or } 7169 \pmod{27392}$ except $n = 7169$
107	65	$n \equiv 1, 3745, 5565, 15301, 17121, 20865, 22685, \text{ or } 26001 \pmod{27820}$ except $n = 3745, 5565$
107	66	$n \equiv 1, 1177, 5137, 5457, 9417, 10593, 14553, \text{ or } 24289 \pmod{28248}$ except $n = 1177, 5137, 5457, 9417, 10593$
107	67	$n \equiv 1, 7169, 7705, \text{ or } 28141 \pmod{28676}$ except $n = 7169, 7705$
107	68	$n \equiv 1, 5457, 11985, \text{ or } 22577 \pmod{29104}$ except $n = 5457, 11985$
107	69	$n \equiv 1, 2461, 7705, 14445, 19689, 22149, 24289, \text{ or } 27393 \pmod{29532}$ except $n = 2461, 7705, 14445$
107	70	$n \equiv 1, 3745, 8561, 11985, 13161, 20545, 21721, \text{ or } 25145 \pmod{29960}$ except $n = 3745, 8561, 11985, 13161$
107	71	$n \equiv 1, 7597, 14981, \text{ or } 23005 \pmod{30388}$ except $n = 7597, 14981$
107	72	$n \equiv 1, 3745, 6849, \text{ or } 10593 \pmod{30816}$ except $n = 3745, 6849, 10593$
107	73	$n \equiv 1, 9417, 14017, \text{ or } 23433 \pmod{31244}$ except $n = 9417, 14017$
107	74	$n \equiv 1, 8881, 18833, \text{ or } 27713 \pmod{31672}$ except $n = 8881$
107	75	$n \equiv 1, 8025, 10701, 14125, 15301, 24825, 26001, \text{ or } 29425 \pmod{32100}$ except $n = 8025, 10701, 14125, 15301$
107	76	$n \equiv 1, 2033, 15409, \text{ or } 19153 \pmod{32528}$ except $n = 2033, 15409$
107	77	$n \equiv 1, 749, 1177, 10165, 14553, 23541, 23969, \text{ or } 24717 \pmod{32956}$ except $n = 749, 1177, 10165, 14553$
107	78	$n \equiv 1, 3745, 17121, 20865, 22257, 26001, 28249, \text{ or } 31993 \pmod{33384}$ except $n = 3745$
107	79	$n \equiv 1, 8453, 13589, \text{ or } 28677 \pmod{33812}$ except $n = 8453, 13589$
107	80	$n \equiv 1, 321, 20545, \text{ or } 20865 \pmod{34240}$ except $n = 321$
107	81	$n \equiv 1, 2997, 23005, \text{ or } 26001 \pmod{34668}$ except $n = 2997$
107	82	$n \equiv 1, 13161, 20009, \text{ or } 28249 \pmod{35096}$ except $n = 13161$

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Table 106: Superspectra for  $p = 107$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
107	83	$n \equiv 1, 8881, 21829, \text{ or } 22577 \pmod{35524}$ except $n = 8881$
107	84	$n \equiv 1, 3745, 11985, 15729, 19153, 20545, 31137, \text{ or } 32529 \pmod{35952}$ except $n = 3745, 11985, 15729$
107	85	$n \equiv 1, 8025, 11985, 15301, 19261, 27285, 29105, \text{ or } 34561 \pmod{36380}$ except $n = 8025, 11985, 15301$
107	86	$n \equiv 1, 4601, 9417, \text{ or } 31993 \pmod{36808}$ except $n = 4601, 9417$
107	87	$n \equiv 1, 9309, 10701, 21721, 23113, 23433, 24825, \text{ or } 35845 \pmod{37236}$ except $n = 9309, 10701$
107	88	$n \equiv 1, 10593, 23969, \text{ or } 24289 \pmod{37664}$ except $n = 10593$
107	89	$n \equiv 1, 8989, 19581, \text{ or } 28569 \pmod{38092}$ except $n = 8989$
107	90	$n \equiv 1, 3745, 7705, 26001, 29961, 33705, 34561, \text{ or } 37665 \pmod{38520}$ except $n = 3745, 7705$
107	91	$n \equiv 1, 3745, 4173, 5565, 5993, 9737, 11557, \text{ or } 37129 \pmod{38948}$ except $n = 3745, 4173, 5565, 5993, 9737, 11557$
107	92	$n \equiv 1, 12305, 24289, \text{ or } 27393 \pmod{39376}$ except $n = 12305$
107	93	$n \equiv 1, 5457, 13269, 16585, 24397, 29853, 31993, \text{ or } 37665 \pmod{39804}$ except $n = 5457, 13269, 16585$
107	94	$n \equiv 1, 11985, 13161, \text{ or } 25145 \pmod{40232}$ except $n = 11985, 13161$
107	95	$n \equiv 1, 10165, 11021, 16265, 23541, 27285, 34561, \text{ or } 39805 \pmod{40660}$ except $n = 10165, 11021, 16265$
107	96	$n \equiv 1, 20865, 27393, \text{ or } 34561 \pmod{41088}$
107	97	$n \equiv 1, 31137, 34241, \text{ or } 38413 \pmod{41516}$
107	98	$n \equiv 1, 1177, 14553, \text{ or } 15729 \pmod{41944}$ except $n = 1177, 14553, 15729$
107	99	$n \equiv 1, 10593, 14553, 15301, 19261, 33705, 37665, \text{ or } 38413 \pmod{42372}$ except $n = 10593, 14553, 15301, 19261$
107	100	$n \equiv 1, 3425, 26001, \text{ or } 29425 \pmod{42800}$ except $n = 3425$
107	101	$n \equiv 1, 8989, 23433, \text{ or } 32421 \pmod{43228}$ except $n = 8989$

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Table 106: Superspectra for  $p = 107$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
107	102	$n \equiv 1, 5457, 8025, 11985, 14553, 34561, 37129, \text{ or } 41089 \pmod{43656}$ except $n = 5457, 8025, 11985, 14553$
107	103	$n \equiv 1, 11021, 19261, \text{ or } 35845 \pmod{44084}$ except $n = 11021, 19261$
107	104	$n \equiv 1, 3745, 17121, \text{ or } 20865 \pmod{44512}$ except $n = 3745, 17121, 20865$
107	105	$n \equiv 1, 3745, 5565, 6741, 10165, 11985, 13161, 20545, 21721,$ $23541, 26965, 28141, 29961, 33705, 38521, \text{ or } 40125 \pmod{44940}$ except $n = 3745, 5565, 6741, 10165, 11985, 13161, 20545, 21721$
107	106	$n \equiv 1, 11449, 28249, \text{ or } 39697 \pmod{45368}$ except $n = 11449$
107	107	$n \equiv 1 \text{ or } 11449 \pmod{45796}$ except $n = 11449$
107	108	$n \equiv 1, 26001, 34561, \text{ or } 37665 \pmod{46224}$
107	109	$n \equiv 1, 17441, 17549, \text{ or } 34989 \pmod{46652}$ except $n = 17441, 17549$
107	110	$n \equiv 1, 29425, 33385, 33705, 37665, 38841, 42801, \text{ or } 43121 \pmod{47080}$
107	111	$n \equiv 1, 2997, 8881, 11877, 15837, 24717, 34669, \text{ or } 43549 \pmod{47508}$ except $n = 2997, 8881, 11877, 15837$
107	112	$n \equiv 1, 7169, 20545, \text{ or } 27713 \pmod{47936}$ except $n = 7169, 20545$
107	113	$n \equiv 1, 14125, 22149, \text{ or } 36273 \pmod{48364}$ except $n = 14125, 22149$
107	114	$n \equiv 1, 2889, 15409, 18297, 19153, 32529, 34561, \text{ or } 47937 \pmod{48792}$ except $n = 2889, 15409, 18297, 19153$
107	115	$n \equiv 1, 2461, 4601, 7705, 9845, 12305, 14445, \text{ or } 47081 \pmod{49220}$ except $n = 2461, 4601, 7705, 9845, 12305, 14445$
107	116	$n \equiv 1, 46545, 47937, \text{ or } 48257 \pmod{49648}$
107	117	$n \equiv 1, 3745, 11557, 15301, 22257, 26001, 33813, \text{ or } 37557 \pmod{50076}$ except $n = 3745, 11557, 15301, 22257$
107	118	$n \equiv 1, 6313, 8025, \text{ or } 48793 \pmod{50504}$ except $n = 6313, 8025$
107	119	$n \equiv 1, 749, 11985, 12733, 14553, 26537, 37129, \text{ or } 49113 \pmod{50932}$ except $n = 749, 11985, 12733, 14553$
107	120	$n \equiv 1, 321, 3745, 17121, 20545, 20865, 34561, \text{ or } 37665 \pmod{51360}$ except $n = 321, 3745, 17121, 20545, 20865$

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Table 106: Superspectra for  $p = 107$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
107	121	$n \equiv 1, 10165, 28677, \text{ or } 38841 \pmod{51788}$ except $n = 10165$
107	122	$n \equiv 1, 20009, 25681, \text{ or } 45689 \pmod{52216}$ except $n = 20009, 25681$
107	123	$n \equiv 1, 2461, 10701, 13161, 28249, 30709, 35097, \text{ or } 37557 \pmod{52644}$ except $n = 2461, 10701, 13161$
107	124	$n \equiv 1, 5457, 37665, \text{ or } 43121 \pmod{53072}$ except $n = 5457$
107	125	$n \equiv 1, 14125, 26001, \text{ or } 40125 \pmod{53500}$ except $n = 14125, 26001$
107	126	$n \equiv 1, 3745, 14553, 19153, 29961, 33705, 38521, \text{ or } 49113 \pmod{53928}$ except $n = 3745, 14553, 19153$
107	127	$n \equiv 1, 2033, 11557, \text{ or } 13589 \pmod{54356}$ except $n = 2033, 11557, 13589$
107	128	$n \equiv 1 \text{ or } 7169 \pmod{54784}$ except $n = 7169$

Table 107: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 108$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
108	2	$n \equiv 1 \text{ or } 513 \pmod{864}$
108	3	$n \equiv 1 \text{ or } 81 \pmod{1296}$ except $n = 81$
108	4	$n \equiv 1 \text{ or } 513 \pmod{1728}$ except $n = 513$
108	5	$n \equiv 1, 81, 865, \text{ or } 945 \pmod{2160}$ except $n = 81, 865, 945$
108	6	$n \equiv 1 \text{ or } 1377 \pmod{2592}$
108	7	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
108	8	$n \equiv 1 \text{ or } 513 \pmod{3456}$ except $n = 513$
108	9	$n \equiv 1 \text{ or } 2673 \pmod{3888}$
108	10	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
108	11	$n \equiv 1, 2673, 3025, \text{ or } 4401 \pmod{4752}$
108	12	$n \equiv 1 \text{ or } 3969 \pmod{5184}$

*continued on next page*

Table 107: Superspectra for  $p = 108$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
108	13	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
108	14	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
108	15	$n \equiv 1, 81, 5185, \text{ or } 5265 \pmod{6480}$ except $n = 81$
108	16	$n \equiv 1 \text{ or } 513 \pmod{6912}$ except $n = 513$
108	17	$n \equiv 1, 1377, 3537, \text{ or } 5185 \pmod{7344}$ except $n = 1377, 3537$
108	18	$n \equiv 1 \text{ or } 6561 \pmod{7776}$
108	19	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
108	20	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
108	21	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
108	22	$n \equiv 1, 7425, 7777, \text{ or } 9153 \pmod{9504}$
108	23	$n \equiv 1, 3105, 6049, \text{ or } 6993 \pmod{9936}$ except $n = 3105$
108	24	$n \equiv 1 \text{ or } 3969 \pmod{10368}$ except $n = 3969$
108	25	$n \equiv 1, 3025, 4401, \text{ or } 7425 \pmod{10800}$ except $n = 3025, 4401$
108	26	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
108	27	$n \equiv 1 \text{ or } 6561 \pmod{11664}$
108	28	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
108	29	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{12528}$ except $n = 4321$
108	30	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
108	31	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{13392}$ except $n = 3969$
108	32	$n \equiv 1 \text{ or } 513 \pmod{13824}$ except $n = 513$
108	33	$n \equiv 1, 2673, 7777, \text{ or } 9153 \pmod{14256}$ except $n = 2673$
108	34	$n \equiv 1, 1377, 5185, \text{ or } 10881 \pmod{14688}$ except $n = 1377, 5185$
108	35	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
108	36	$n \equiv 1 \text{ or } 14337 \pmod{15552}$
108	37	$n \equiv 1, 6993, 8289, \text{ or } 14689 \pmod{15984}$ except $n = 6993$

*continued on next page*

Table 107: Superspectra for  $p = 108$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
108	38	$n \equiv 1, 513, 1729, \text{ or } 15201 \pmod{16416}$ except $n = 513, 1729$
108	39	$n \equiv 1, 5265, 9153, \text{ or } 12961 \pmod{16848}$ except $n = 5265$
108	40	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
108	41	$n \equiv 1, 5617, 6561, \text{ or } 12177 \pmod{17712}$ except $n = 5617, 6561$
108	42	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
108	43	$n \equiv 1, 1377, 9073, \text{ or } 10449 \pmod{18576}$ except $n = 1377, 9073$
108	44	$n \equiv 1, 7425, 9153, \text{ or } 17281 \pmod{19008}$ except $n = 7425, 9153$
108	45	$n \equiv 1, 6561, 11665, \text{ or } 18225 \pmod{19440}$ except $n = 6561$
108	46	$n \equiv 1, 3105, 6049, \text{ or } 16929 \pmod{19872}$ except $n = 3105, 6049$
108	47	$n \equiv 1, 5265, 11233, \text{ or } 16497 \pmod{20304}$ except $n = 5265$
108	48	$n \equiv 1 \text{ or } 14337 \pmod{20736}$
108	49	$n \equiv 1, 3969, 4753, \text{ or } 20385 \pmod{21168}$ except $n = 3969, 4753$
108	50	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
108	51	$n \equiv 1, 1377, 5185, \text{ or } 18225 \pmod{22032}$ except $n = 1377, 5185$
108	52	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{22464}$ except $n = 1729, 9153, 10881$
108	53	$n \equiv 1, 10017, 14257, \text{ or } 18657 \pmod{22896}$ except $n = 10017$
108	54	$n \equiv 1 \text{ or } 6561 \pmod{23328}$ except $n = 6561$
108	55	$n \equiv 1, 3025, 4401, 7425, 9505, 13905, 17281, \text{ or } 21681 \pmod{23760}$ except $n = 3025, 4401, 7425, 9505$
108	56	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
108	57	$n \equiv 1, 16929, 18145, \text{ or } 23409 \pmod{24624}$
108	58	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{25056}$ except $n = 4321, 7425, 11745$
108	59	$n \equiv 1, 945, 13393, \text{ or } 14337 \pmod{25488}$ except $n = 945$
108	60	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{25920}$ except $n = 5185$
108	61	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{26352}$ except $n = 5185$
108	62	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{26784}$ except $n = 3969, 6913, 10881$

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Table 107: Superspectra for  $p = 108$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
108	63	$n \equiv 1, 7777, 14337, \text{ or } 22113 \pmod{27216}$ except $n = 7777$
108	64	$n \equiv 1 \text{ or } 14337 \pmod{27648}$
108	65	$n \equiv 1, 5265, 7345, 10881, 12961, 20385, 22465, \text{ or } 26001 \pmod{28080}$ except $n = 5265, 7345, 10881, 12961$
108	66	$n \equiv 1, 7777, 9153, \text{ or } 16929 \pmod{28512}$ except $n = 7777, 9153$
108	67	$n \equiv 1, 1809, 12529, \text{ or } 18225 \pmod{28944}$ except $n = 1809, 12529$
108	68	$n \equiv 1, 5185, 10881, \text{ or } 16065 \pmod{29376}$ except $n = 5185, 10881$
108	69	$n \equiv 1, 13041, 16929, \text{ or } 25921 \pmod{29808}$ except $n = 13041$
108	70	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$
108	71	$n \equiv 1, 9585, 14769, \text{ or } 25489 \pmod{30672}$ except $n = 9585, 14769$
108	72	$n \equiv 1 \text{ or } 14337 \pmod{31104}$ except $n = 14337$
108	73	$n \equiv 1, 21681, 26353, \text{ or } 26865 \pmod{31536}$
108	74	$n \equiv 1, 8289, 14689, \text{ or } 22977 \pmod{31968}$ except $n = 8289, 14689$
108	75	$n \equiv 1, 18225, 24625, \text{ or } 26001 \pmod{32400}$
108	76	$n \equiv 1, 513, 1729, \text{ or } 31617 \pmod{32832}$ except $n = 513, 1729$
108	77	$n \equiv 1, 3025, 4753, 7777, 23409, 26433, 28161, \text{ or } 31185 \pmod{33264}$ except $n = 3025, 4753, 7777$
108	78	$n \equiv 1, 9153, 12961, \text{ or } 22113 \pmod{33696}$ except $n = 9153, 12961$
108	79	$n \equiv 1, 13825, 13905, \text{ or } 27729 \pmod{34128}$ except $n = 13825, 13905$
108	80	$n \equiv 1, 7425, 13825, \text{ or } 28161 \pmod{34560}$ except $n = 7425, 13825$
108	81	$n \equiv 1 \text{ or } 6561 \pmod{34992}$ except $n = 6561$
108	82	$n \equiv 1, 6561, 23329, \text{ or } 29889 \pmod{35424}$ except $n = 6561$
108	83	$n \equiv 1, 2241, 16849, \text{ or } 21249 \pmod{35856}$ except $n = 2241, 16849$
108	84	$n \equiv 1, 3969, 14337, \text{ or } 25921 \pmod{36288}$ except $n = 3969, 14337$
108	85	$n \equiv 1, 5185, 7345, 8721, 10881, 16065, 18225, \text{ or } 34561 \pmod{36720}$ except $n = 5185, 7345, 8721, 10881, 16065, 18225$

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Table 107: Superspectra for  $p = 108$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
108	86	$n \equiv 1, 1377, 27649, \text{ or } 29025 \pmod{37152}$ except $n = 1377$
108	87	$n \equiv 1, 11745, 16849, \text{ or } 32481 \pmod{37584}$ except $n = 11745, 16849$
108	88	$n \equiv 1, 7425, 17281, \text{ or } 28161 \pmod{38016}$ except $n = 7425, 17281$
108	89	$n \equiv 1, 5697, 20737, \text{ or } 26433 \pmod{38448}$ except $n = 5697$
108	90	$n \equiv 1, 6561, 31105, \text{ or } 37665 \pmod{38880}$ except $n = 6561$
108	91	$n \equiv 1, 1729, 5265, 16849, 20385, 22113, 24193, \text{ or } 37233 \pmod{39312}$ except $n = 1729, 5265, 16849$
108	92	$n \equiv 1, 22977, 25921, \text{ or } 36801 \pmod{39744}$
108	93	$n \equiv 1, 3969, 33697, \text{ or } 37665 \pmod{40176}$ except $n = 3969$
108	94	$n \equiv 1, 11233, 25569, \text{ or } 36801 \pmod{40608}$ except $n = 11233$
108	95	$n \equiv 1, 8721, 15201, 18145, 24625, 33345, 34561, \text{ or } 39825 \pmod{41040}$ except $n = 8721, 15201, 18145$
108	96	$n \equiv 1 \text{ or } 14337 \pmod{41472}$ except $n = 14337$
108	97	$n \equiv 1, 3105, 4753, \text{ or } 7857 \pmod{41904}$ except $n = 3105, 4753, 7857$
108	98	$n \equiv 1, 3969, 20385, \text{ or } 25921 \pmod{42336}$ except $n = 3969, 20385$
108	99	$n \equiv 1, 2673, 7777, \text{ or } 37665 \pmod{42768}$ except $n = 2673, 7777$
108	100	$n \equiv 1, 7425, 13825, \text{ or } 36801 \pmod{43200}$ except $n = 7425, 13825$
108	101	$n \equiv 1, 7777, 11313, \text{ or } 19089 \pmod{43632}$ except $n = 7777, 11313, 19089$
108	102	$n \equiv 1, 1377, 5185, \text{ or } 40257 \pmod{44064}$ except $n = 1377, 5185$
108	103	$n \equiv 1, 13905, 15553, \text{ or } 42849 \pmod{44496}$ except $n = 13905, 15553$
108	104	$n \equiv 1, 10881, 24193, \text{ or } 31617 \pmod{44928}$ except $n = 10881$
108	105	$n \equiv 1, 5265, 13041, 18145, 25921, 31185, 32481, \text{ or } 44065 \pmod{45360}$ except $n = 5265, 13041, 18145$
108	106	$n \equiv 1, 10017, 18657, \text{ or } 37153 \pmod{45792}$ except $n = 10017, 18657$
108	107	$n \equiv 1, 26001, 34561, \text{ or } 37665 \pmod{46224}$
108	108	$n \equiv 1 \text{ or } 29889 \pmod{46656}$

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Table 107: Superspectra for  $p = 108$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
108	109	$n \equiv 1, 8721, 35425, \text{ or } 44145 \pmod{47088}$ except $n = 8721$
108	110	$n \equiv 1, 7425, 9505, 17281, 26785, 28161, 37665, \text{ or } 45441 \pmod{47520}$ except $n = 7425, 9505, 17281$
108	111	$n \equiv 1, 38961, 40257, \text{ or } 46657 \pmod{47952}$
108	112	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{48384}$ except $n = 13825, 14337$
108	113	$n \equiv 1, 1809, 7345, \text{ or } 9153 \pmod{48816}$ except $n = 1809, 7345, 9153$
108	114	$n \equiv 1, 16929, 18145, \text{ or } 48033 \pmod{49248}$ except $n = 16929, 18145$
108	115	$n \equiv 1, 3105, 13041, 15985, 25921, 26865, 36801, \text{ or } 39745 \pmod{49680}$ except $n = 3105, 13041, 15985$
108	116	$n \equiv 1, 7425, 29377, \text{ or } 36801 \pmod{50112}$ except $n = 7425$
108	117	$n \equiv 1, 22113, 26001, \text{ or } 46657 \pmod{50544}$ except $n = 22113$
108	118	$n \equiv 1, 14337, 26433, \text{ or } 38881 \pmod{50976}$ except $n = 14337$
108	119	$n \equiv 1, 16065, 19873, 23409, 27217, 40257, 44065, \text{ or } 47601 \pmod{51408}$ except $n = 16065, 19873, 23409$
108	120	$n \equiv 1, 24705, 31105, \text{ or } 45441 \pmod{51840}$ except $n = 24705$
108	121	$n \equiv 1, 3025, 32913, \text{ or } 35937 \pmod{52272}$ except $n = 3025$
108	122	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{52704}$ except $n = 5185, 19521, 24705$
108	123	$n \equiv 1, 6561, 23329, \text{ or } 29889 \pmod{53136}$ except $n = 6561, 23329$
108	124	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{53568}$ except $n = 3969, 6913, 10881$
108	125	$n \equiv 1, 24625, 26001, \text{ or } 50625 \pmod{54000}$ except $n = 24625, 26001$
108	126	$n \equiv 1, 7777, 14337, \text{ or } 22113 \pmod{54432}$ except $n = 7777, 14337, 22113$
108	127	$n \equiv 1, 44577, 46737, \text{ or } 52705 \pmod{54864}$
108	128	$n \equiv 1 \text{ or } 14337 \pmod{55296}$ except $n = 14337$

Table 108: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 109$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
109	2	$n \equiv 1$ or $545 \pmod{872}$
109	3	$n \equiv 1, 109, 873, \text{ or } 981 \pmod{1308}$ except $n = 109$
109	4	$n \equiv 1$ or $545 \pmod{1744}$ except $n = 545$
109	5	$n \equiv 1, 545, 981, \text{ or } 1745 \pmod{2180}$ except $n = 545, 981$
109	6	$n \equiv 1, 873, 1417, \text{ or } 2289 \pmod{2616}$ except $n = 873$
109	7	$n \equiv 1, 981, 1309, \text{ or } 2289 \pmod{3052}$ except $n = 981, 1309$
109	8	$n \equiv 1$ or $545 \pmod{3488}$ except $n = 545$
109	9	$n \equiv 1, 109, 873, \text{ or } 981 \pmod{3924}$ except $n = 109, 873, 981$
109	10	$n \equiv 1, 545, 1745, \text{ or } 3161 \pmod{4360}$ except $n = 545, 1745$
109	11	$n \equiv 1, 1309, 2289, \text{ or } 3597 \pmod{4796}$ except $n = 1309, 2289$
109	12	$n \equiv 1, 2289, 3489, \text{ or } 4033 \pmod{5232}$ except $n = 2289$
109	13	$n \equiv 1, 1417, 2289, \text{ or } 4797 \pmod{5668}$ except $n = 1417, 2289$
109	14	$n \equiv 1, 2289, 4033, \text{ or } 4361 \pmod{6104}$ except $n = 2289$
109	15	$n \equiv 1, 981, 2181, 2725, 3925, 4905, 5341, \text{ or } 6105 \pmod{6540}$ except $n = 981, 2181, 2725$
109	16	$n \equiv 1$ or $4033 \pmod{6976}$
109	17	$n \equiv 1, 545, 1309, \text{ or } 1853 \pmod{7412}$ except $n = 545, 1309, 1853$
109	18	$n \equiv 1, 873, 4033, \text{ or } 4905 \pmod{7848}$ except $n = 873$
109	19	$n \equiv 1, 437, 5777, \text{ or } 6213 \pmod{8284}$ except $n = 437$
109	20	$n \equiv 1, 545, 1745, \text{ or } 7521 \pmod{8720}$ except $n = 545, 1745$
109	21	$n \equiv 1, 981, 1309, 2289, 4033, 5341, 6105, \text{ or } 7413 \pmod{9156}$ except $n = 981, 1309, 2289, 4033$
109	22	$n \equiv 1, 2289, 6105, \text{ or } 8393 \pmod{9592}$ except $n = 2289$
109	23	$n \equiv 1, 437, 7085, \text{ or } 7521 \pmod{10028}$ except $n = 437$
109	24	$n \equiv 1, 3489, 4033, \text{ or } 7521 \pmod{10464}$ except $n = 3489, 4033$

*continued on next page*

Table 108: Superspectra for  $p = 109$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
109	25	$n \equiv 1, 2725, 3925, \text{ or } 9701 \pmod{10900}$ except $n = 2725, 3925$
109	26	$n \equiv 1, 1417, 2289, \text{ or } 10465 \pmod{11336}$ except $n = 1417, 2289$
109	27	$n \equiv 1, 109, 8721, \text{ or } 8829 \pmod{11772}$ except $n = 109$
109	28	$n \equiv 1, 2289, 4033, \text{ or } 10465 \pmod{12208}$ except $n = 2289, 4033$
109	29	$n \equiv 1, 3161, 3597, \text{ or } 12209 \pmod{12644}$ except $n = 3161, 3597$
109	30	$n \equiv 1, 4905, 6105, 7521, 8721, 9265, 10465, \text{ or } 11881 \pmod{13080}$ except $n = 4905, 6105$
109	31	$n \equiv 1, 3597, 6541, \text{ or } 10137 \pmod{13516}$ except $n = 3597, 6541$
109	32	$n \equiv 1 \text{ or } 11009 \pmod{13952}$
109	33	$n \equiv 1, 1309, 2289, 3597, 4797, 6105, 11881, \text{ or } 13189 \pmod{14388}$ except $n = 1309, 2289, 3597, 4797, 6105$
109	34	$n \equiv 1, 545, 8721, \text{ or } 9265 \pmod{14824}$ except $n = 545$
109	35	$n \equiv 1, 981, 4361, 5341, 6105, 7085, 10465, \text{ or } 11445 \pmod{15260}$ except $n = 981, 4361, 5341, 6105, 7085$
109	36	$n \equiv 1, 4033, 8721, \text{ or } 12753 \pmod{15696}$ except $n = 4033$
109	37	$n \equiv 1, 4033, 6105, \text{ or } 14061 \pmod{16132}$ except $n = 4033, 6105$
109	38	$n \equiv 1, 5777, 8721, \text{ or } 14497 \pmod{16568}$ except $n = 5777$
109	39	$n \equiv 1, 1417, 2289, 4797, 7957, 10465, 11337, \text{ or } 12753 \pmod{17004}$ except $n = 1417, 2289, 4797, 7957$
109	40	$n \equiv 1, 545, 7521, \text{ or } 10465 \pmod{17440}$ except $n = 545, 7521$
109	41	$n \equiv 1, 4469, 4797, \text{ or } 17549 \pmod{17876}$ except $n = 4469, 4797$
109	42	$n \equiv 1, 2289, 4033, 6105, 10137, 10465, 14497, \text{ or } 16569 \pmod{18312}$ except $n = 2289, 4033, 6105$
109	43	$n \equiv 1, 3053, 11009, \text{ or } 14061 \pmod{18748}$ except $n = 3053$
109	44	$n \equiv 1, 2289, 15697, \text{ or } 17985 \pmod{19184}$ except $n = 2289$
109	45	$n \equiv 1, 981, 3925, 4905, 8721, 11881, 12645, \text{ or } 15805 \pmod{19620}$ except $n = 981, 3925, 4905, 8721$

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Table 108: Superspectra for  $p = 109$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
109	46	$n \equiv 1, 7521, 10465, \text{ or } 17113 \pmod{20056}$ except $n = 7521$
109	47	$n \equiv 1, 7521, 7849, \text{ or } 15369 \pmod{20492}$ except $n = 7521, 7849$
109	48	$n \equiv 1, 4033, 13953, \text{ or } 17985 \pmod{20928}$ except $n = 4033$
109	49	$n \equiv 1, 981, 4361, \text{ or } 5341 \pmod{21364}$ except $n = 981, 4361, 5341$
109	50	$n \equiv 1, 13625, 14825, \text{ or } 20601 \pmod{21800}$
109	51	$n \equiv 1, 1309, 7413, 7957, 8721, 9265, 15369, \text{ or } 16677 \pmod{22236}$ except $n = 1309, 7413, 7957, 8721, 9265$
109	52	$n \equiv 1, 2289, 10465, \text{ or } 12753 \pmod{22672}$ except $n = 2289, 10465$
109	53	$n \equiv 1, 5777, 9593, \text{ or } 19293 \pmod{23108}$ except $n = 5777, 9593$
109	54	$n \equiv 1, 8721, 11881, \text{ or } 20601 \pmod{23544}$ except $n = 8721$
109	55	$n \equiv 1, 6105, 7085, 10901, 11881, 17985, 19185, \text{ or } 22781 \pmod{23980}$ except $n = 6105, 7085, 10901, 11881$
109	56	$n \equiv 1, 4033, 10465, \text{ or } 14497 \pmod{24416}$ except $n = 4033, 10465$
109	57	$n \equiv 1, 6213, 8721, 14061, 14497, 16569, 17005, \text{ or } 22345 \pmod{24852}$ except $n = 6213, 8721$
109	58	$n \equiv 1, 3161, 12209, \text{ or } 16241 \pmod{25288}$ except $n = 3161, 12209$
109	59	$n \equiv 1, 1417, 17877, \text{ or } 19293 \pmod{25724}$ except $n = 1417$
109	60	$n \equiv 1, 7521, 8721, 9265, 10465, 17985, 19185, \text{ or } 24961 \pmod{26160}$ except $n = 7521, 8721, 9265, 10465$
109	61	$n \equiv 1, 6649, 11773, \text{ or } 21473 \pmod{26596}$ except $n = 6649, 11773$
109	62	$n \equiv 1, 10137, 17113, \text{ or } 20057 \pmod{27032}$ except $n = 10137$
109	63	$n \equiv 1, 981, 4033, 16569, 19621, 20601, 23653, \text{ or } 24417 \pmod{27468}$ except $n = 981, 4033$
109	64	$n \equiv 1 \text{ or } 11009 \pmod{27904}$ except $n = 11009$
109	65	$n \equiv 1, 7085, 10465, 13625, 17005, 18421, 21801, \text{ or } 24961 \pmod{28340}$ except $n = 7085, 10465, 13625$

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Table 108: Superspectra for  $p = 109$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
109	66	$n \equiv 1, 2289, 6105, 11881, 15697, 17985, 19185, \text{ or } 27577 \pmod{28776}$ except $n = 2289, 6105, 11881$
109	67	$n \equiv 1, 21909, 22781, \text{ or } 28341 \pmod{29212}$
109	68	$n \equiv 1, 545, 8721, \text{ or } 9265 \pmod{29648}$ except $n = 545, 8721, 9265$
109	69	$n \equiv 1, 7521, 10029, 10465, 17113, 20493, 27141, \text{ or } 27577 \pmod{30084}$ except $n = 7521, 10029, 10465$
109	70	$n \equiv 1, 4361, 6105, 10465, 16241, 20601, 22345, \text{ or } 26705 \pmod{30520}$ except $n = 4361, 6105, 10465$
109	71	$n \equiv 1, 3053, 20165, \text{ or } 23217 \pmod{30956}$ except $n = 3053$
109	72	$n \equiv 1, 4033, 24417, \text{ or } 28449 \pmod{31392}$ except $n = 4033$
109	73	$n \equiv 1, 7957, 16133, \text{ or } 23653 \pmod{31828}$ except $n = 7957$
109	74	$n \equiv 1, 4033, 6105, \text{ or } 30193 \pmod{32264}$ except $n = 4033, 6105$
109	75	$n \equiv 1, 2725, 3925, 20601, 21801, 24525, 25725, \text{ or } 31501 \pmod{32700}$ except $n = 2725, 3925$
109	76	$n \equiv 1, 5777, 8721, \text{ or } 14497 \pmod{33136}$ except $n = 5777, 8721, 14497$
109	77	$n \equiv 1, 1309, 2289, 6105, 7085, 8393, 13189, \text{ or } 28777 \pmod{33572}$ except $n = 1309, 2289, 6105, 7085, 8393, 13189$
109	78	$n \equiv 1, 1417, 2289, 10465, 11337, 12753, 21801, \text{ or } 24961 \pmod{34008}$ except $n = 1417, 2289, 10465, 11337, 12753$
109	79	$n \equiv 1, 3161, 22673, \text{ or } 25833 \pmod{34444}$ except $n = 3161$
109	80	$n \equiv 1, 17985, 24961, \text{ or } 27905 \pmod{34880}$
109	81	$n \equiv 1, 8829, 20493, \text{ or } 23653 \pmod{35316}$ except $n = 8829$
109	82	$n \equiv 1, 22345, 22673, \text{ or } 35425 \pmod{35752}$
109	83	$n \equiv 1, 27141, 28885, \text{ or } 34445 \pmod{36188}$
109	84	$n \equiv 1, 2289, 4033, 10465, 14497, 24417, 28449, \text{ or } 34881 \pmod{36624}$ except $n = 2289, 4033, 10465, 14497$
109	85	$n \equiv 1, 545, 8721, 9265, 14825, 22781, 23545, \text{ or } 31501 \pmod{37060}$ except $n = 545, 8721, 9265, 14825$

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Table 108: Superspectra for  $p = 109$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
109	86	$n \equiv 1, 11009, 21801, \text{ or } 32809 \pmod{37496}$ except $n = 11009$
109	87	$n \equiv 1, 3597, 12645, 15805, 24853, 28449, 28885, \text{ or } 37497 \pmod{37932}$ except $n = 3597, 12645, 15805$
109	88	$n \equiv 1, 17985, 21473, \text{ or } 34881 \pmod{38368}$ except $n = 17985$
109	89	$n \equiv 1, 4361, 5341, \text{ or } 9701 \pmod{38804}$ except $n = 4361, 5341, 9701$
109	90	$n \equiv 1, 4905, 8721, 11881, 20601, 23545, 32265, \text{ or } 35425 \pmod{39240}$ except $n = 4905, 8721, 11881$
109	91	$n \equiv 1, 2289, 7085, 10465, 19293, 22673, 27469, \text{ or } 29757 \pmod{39676}$ except $n = 2289, 7085, 10465, 19293$
109	92	$n \equiv 1, 7521, 10465, \text{ or } 37169 \pmod{40112}$ except $n = 7521, 10465$
109	93	$n \equiv 1, 3597, 6541, 10137, 17113, 23653, 27033, \text{ or } 33573 \pmod{40548}$ except $n = 3597, 6541, 10137, 17113$
109	94	$n \equiv 1, 7521, 7849, \text{ or } 15369 \pmod{40984}$ except $n = 7521, 7849, 15369$
109	95	$n \equiv 1, 8285, 8721, 14061, 17005, 22345, 22781, \text{ or } 31065 \pmod{41420}$ except $n = 8285, 8721, 14061, 17005$
109	96	$n \equiv 1, 13953, 24961, \text{ or } 38913 \pmod{41856}$ except $n = 13953$
109	97	$n \equiv 1, 873, 9701, \text{ or } 10573 \pmod{42292}$ except $n = 873, 9701, 10573$
109	98	$n \equiv 1, 4361, 22345, \text{ or } 26705 \pmod{42728}$ except $n = 4361$
109	99	$n \equiv 1, 4797, 11881, 15697, 16677, 20493, 27577, \text{ or } 32373 \pmod{43164}$ except $n = 4797, 11881, 15697, 16677, 20493$
109	100	$n \equiv 1, 35425, 36625, \text{ or } 42401 \pmod{43600}$
109	101	$n \equiv 1, 11009, 17877, \text{ or } 37169 \pmod{44036}$ except $n = 11009, 17877$
109	102	$n \equiv 1, 8721, 9265, 15369, 23545, 29649, 30193, \text{ or } 38913 \pmod{44472}$ except $n = 8721, 9265, 15369$
109	103	$n \equiv 1, 13081, 20601, \text{ or } 33681 \pmod{44908}$ except $n = 13081, 20601$
109	104	$n \equiv 1, 10465, 24961, \text{ or } 35425 \pmod{45344}$ except $n = 10465$

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Table 108: Superspectra for  $p = 109$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
109	105	$n \equiv 1, 981, 5341, 6105, 10465, 11445, 15261, 19621, 20601,$ $22345, 25725, 31501, 34881, 36625, 37605, \text{ or } 41965 \pmod{45780}$ except $n = 981, 5341, 6105, 10465, 11445,$ $15261, 19621, 20601, 22345$
109	106	$n \equiv 1, 5777, 9593, \text{ or } 42401 \pmod{46216}$ except $n = 5777, 9593$
109	107	$n \equiv 1, 17441, 17549, \text{ or } 34989 \pmod{46652}$ except $n = 17441, 17549$
109	108	$n \equiv 1, 8721, 35425, \text{ or } 44145 \pmod{47088}$ except $n = 8721$
109	109	$n \equiv 1 \text{ or } 11881 \pmod{47524}$ except $n = 11881$
109	110	$n \equiv 1, 6105, 11881, 17985, 19185, 31065, 34881, \text{ or } 46761 \pmod{47960}$ except $n = 6105, 11881, 17985, 19185$
109	111	$n \equiv 1, 4033, 6105, 14061, 22237, 30193, 32265, \text{ or } 36297 \pmod{48396}$ except $n = 4033, 6105, 14061, 22237$
109	112	$n \equiv 1, 4033, 34881, \text{ or } 38913 \pmod{48832}$ except $n = 4033$
109	113	$n \equiv 1, 12317, 15369, \text{ or } 46217 \pmod{49268}$ except $n = 12317, 15369$
109	114	$n \equiv 1, 8721, 14497, 16569, 22345, 31065, 38913, \text{ or } 41857 \pmod{49704}$ except $n = 8721, 14497, 16569, 22345$
109	115	$n \equiv 1, 7085, 7521, 10465, 27141, 30085, 30521, \text{ or } 37605 \pmod{50140}$ except $n = 7085, 7521, 10465$
109	116	$n \equiv 1, 12209, 16241, \text{ or } 28449 \pmod{50576}$ except $n = 12209, 16241$
109	117	$n \equiv 1, 4797, 7957, 12753, 27469, 28341, 35425, \text{ or } 36297 \pmod{51012}$ except $n = 4797, 7957, 12753$
109	118	$n \equiv 1, 1417, 43601, \text{ or } 45017 \pmod{51448}$ except $n = 1417$
109	119	$n \equiv 1, 1309, 7413, 31501, 37605, 38913, 45017, \text{ or } 45781 \pmod{51884}$ except $n = 1309, 7413$
109	120	$n \equiv 1, 7521, 10465, 17985, 24961, 34881, 35425, \text{ or } 45345 \pmod{52320}$ except $n = 7521, 10465, 17985, 24961$
109	121	$n \equiv 1, 13189, 25289, \text{ or } 40657 \pmod{52756}$ except $n = 13189, 25289$
109	122	$n \equiv 1, 6649, 21473, \text{ or } 38369 \pmod{53192}$ except $n = 6649, 21473$

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Table 108: Superspectra for  $p = 109$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
109	123	$n \equiv 1, 4797, 17877, 22345, 35425, 40221, 40549, \text{ or } 53301 \pmod{53628}$ except $n = 4797, 17877, 22345$
109	124	$n \equiv 1, 37169, 44145, \text{ or } 47089 \pmod{54064}$
109	125	$n \equiv 1, 13625, 31501, \text{ or } 36625 \pmod{54500}$ except $n = 13625$
109	126	$n \equiv 1, 4033, 16569, 20601, 24417, 28449, 47089, \text{ or } 51121 \pmod{54936}$ except $n = 4033, 16569, 20601, 24417$
109	127	$n \equiv 1, 13081, 28449, \text{ or } 41529 \pmod{55372}$ except $n = 13081$
109	128	$n \equiv 1 \text{ or } 38913 \pmod{55808}$

Table 109: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 110$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	2	$n \equiv 1, 385, 561, \text{ or } 705 \pmod{880}$ except $n = 385$
110	3	$n \equiv 1, 121, 265, 385, 441, 561, 705, \text{ or } 825 \pmod{1320}$ except $n = 121, 265, 385, 441, 561$
110	4	$n \equiv 1, 385, 705, \text{ or } 1441 \pmod{1760}$ except $n = 385, 705$
110	5	$n \equiv 1, 825, 1001, \text{ or } 2025 \pmod{2200}$ except $n = 825, 1001$
110	6	$n \equiv 1, 385, 561, 705, 1441, 1585, 1761, \text{ or } 2145 \pmod{2640}$ except $n = 385, 561, 705$
110	7	$n \equiv 1, 385, 441, 561, 1001, 2465, 2905, \text{ or } 3025 \pmod{3080}$ except $n = 385, 441, 561, 1001$
110	8	$n \equiv 1, 385, 705, \text{ or } 3201 \pmod{3520}$ except $n = 385, 705$
110	9	$n \equiv 1, 441, 1441, 1585, 1881, 2025, 3025, \text{ or } 3465 \pmod{3960}$ except $n = 441, 1441, 1585, 1881$
110	10	$n \equiv 1, 3025, 3201, \text{ or } 4225 \pmod{4400}$
110	11	$n \equiv 1, 121, 2905, \text{ or } 3025 \pmod{4840}$ except $n = 121$

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Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	12	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
110	13	$n \equiv 1, 1001, 1145, 2145, 3081, 3641, 4225, \text{ or } 4785 \pmod{5720}$ except $n = 1001, 1145, 2145$
110	14	$n \equiv 1, 385, 561, 2465, 3025, 3521, 4081, \text{ or } 5985 \pmod{6160}$ except $n = 385, 561, 2465, 3025$
110	15	$n \equiv 1, 825, 2025, 3025, 3201, 4225, 4401, \text{ or } 5401 \pmod{6600}$ except $n = 825, 2025, 3025, 3201$
110	16	$n \equiv 1, 385, 3201, \text{ or } 4225 \pmod{7040}$ except $n = 385, 3201$
110	17	$n \equiv 1, 561, 2465, 2585, 3961, 4081, 5985, \text{ or } 6545 \pmod{7480}$ except $n = 561, 2465, 2585$
110	18	$n \equiv 1, 1441, 1585, 3025, 4401, 5841, 5985, \text{ or } 7425 \pmod{7920}$ except $n = 1441, 1585, 3025$
110	19	$n \equiv 1, 1881, 2585, 2641, 3345, 5225, 5985, \text{ or } 7601 \pmod{8360}$ except $n = 1881, 2585, 2641, 3345$
110	20	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{8800}$ except $n = 3201, 4225$
110	21	$n \equiv 1, 385, 441, 561, 2905, 3025, 3081, 3465, 4081,$ $5545, 5985, 6105, 6601, 6721, 7161, \text{ or } 8625 \pmod{9240}$ except $n = 385, 441, 561, 2905, 3025, 3081, 3465, 4081$
110	22	$n \equiv 1, 3025, 4961, \text{ or } 7745 \pmod{9680}$ except $n = 3025$
110	23	$n \equiv 1, 1265, 2025, 2761, 4785, 6601, 8625, \text{ or } 9361 \pmod{10120}$ except $n = 1265, 2025, 2761, 4785$
110	24	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
110	25	$n \equiv 1, 1001, 8625, \text{ or } 9625 \pmod{11000}$ except $n = 1001$
110	26	$n \equiv 1, 2145, 4225, 4785, 6721, 6865, 8801, \text{ or } 9361 \pmod{11440}$ except $n = 2145, 4225, 4785$
110	27	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9505, \text{ or } 9801 \pmod{11880}$ except $n = 2025, 3025, 4401, 5401$

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Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	28	$n \equiv 1, 385, 2465, 3521, 5985, 6721, 9185, \text{ or } 10241 \pmod{12320}$ except $n = 385, 2465, 3521, 5985$
110	29	$n \equiv 1, 2321, 2465, 4785, 5105, 7425, 10121, \text{ or } 12441 \pmod{12760}$ except $n = 2321, 2465, 4785, 5105$
110	30	$n \equiv 1, 3025, 3201, 4225, 4401, 7425, 8625, \text{ or } 12001 \pmod{13200}$ except $n = 3025, 3201, 4225, 4401$
110	31	$n \equiv 1, 1705, 2201, 4961, 7161, 8185, 10385, \text{ or } 13145 \pmod{13640}$ except $n = 1705, 2201, 4961$
110	32	$n \equiv 1, 7425, 10241, \text{ or } 11265 \pmod{14080}$
110	33	$n \equiv 1, 121, 2905, 3025, 9681, 9801, 12585, \text{ or } 12705 \pmod{14520}$ except $n = 121, 2905, 3025$
110	34	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 10065, \text{ or } 11441 \pmod{14960}$ except $n = 561, 2465, 4081, 5985, 6545$
110	35	$n \equiv 1, 1001, 3025, 6601, 8625, 9625, 9801, \text{ or } 15225 \pmod{15400}$ except $n = 1001, 3025, 6601$
110	36	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
110	37	$n \equiv 1, 6105, 9065, 9361, 10065, 12321, 13025, \text{ or } 13321 \pmod{16280}$ except $n = 6105$
110	38	$n \equiv 1, 2641, 3345, 5985, 7601, 10241, 10945, \text{ or } 13585 \pmod{16720}$ except $n = 2641, 3345, 5985, 7601$
110	39	$n \equiv 1, 2145, 3081, 4225, 4785, 5721, 6721, 6865, 9361,$ $9945, 12441, 12585, 13585, 14521, 15081, \text{ or } 16225 \pmod{17160}$ except $n = 2145, 3081, 4225, 4785, 5721, 6721, 6865$
110	40	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{17600}$ except $n = 3201, 4225, 7425$
110	41	$n \equiv 1, 4961, 6601, 9185, 10825, 15785, 16401, \text{ or } 17425 \pmod{18040}$ except $n = 4961, 6601$

*continued on next page*

Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	42	$n \equiv 1, 385, 561, 3025, 4081, 5985, 6721, 8625, 9681,$ 12145, 12321, 12705, 14785, 15345, 15841, or 16401 (mod 18480) except $n = 385, 561, 3025, 4081, 5985, 6721, 8625$
110	43	$n \equiv 1, 3785, 8041, 11825, 13201, 13761, 16985,$ or 17545 (mod 18920) except $n = 3785, 8041$
110	44	$n \equiv 1, 4961, 7745,$ or 12705 (mod 19360)    except $n = 4961, 7745$
110	45	$n \equiv 1, 2025, 3025, 4401, 5401, 7425, 9801,$ or 17425 (mod 19800) except $n = 2025, 3025, 4401, 5401, 7425, 9801$
110	46	$n \equiv 1, 1265, 4785, 8625, 9361, 12145, 12881,$ or 16721 (mod 20240) except $n = 1265, 4785, 8625, 9361$
110	47	$n \equiv 1, 705, 1881, 2585, 4841, 6721, 16545,$ or 18425 (mod 20680) except $n = 705, 1881, 2585, 4841, 6721$
110	48	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265,$ or 17281 (mod 21120) except $n = 385, 3201, 4225, 7041, 7425$
110	49	$n \equiv 1, 441, 8625, 9065, 9801, 10241, 18425,$ or 18865 (mod 21560) except $n = 441, 8625, 9065, 9801, 10241$
110	50	$n \equiv 1, 8625, 12001,$ or 20625 (mod 22000)    except $n = 8625$
110	51	$n \equiv 1, 561, 3961, 4081, 5985, 8041, 9945, 10065, 13465,$ 14025, 14961, 17425, 17545, 18921, 19041, or 21505 (mod 22440) except $n = 561, 3961, 4081, 5985, 8041, 9945, 10065$
110	52	$n \equiv 1, 2145, 4225, 6721, 8801, 16225, 18305,$ or 20801 (mod 22880) except $n = 2145, 4225, 6721, 8801$
110	53	$n \equiv 1, 265, 4081, 4665, 8481, 8745, 13145,$ or 18921 (mod 23320) except $n = 265, 4081, 4665, 8481, 8745$
110	54	$n \equiv 1, 3025, 4401, 7425, 9505, 13905, 17281,$ or 21681 (mod 23760) except $n = 3025, 4401, 7425, 9505$
110	55	$n \equiv 1, 3025, 9801,$ or 17425 (mod 24200)    except $n = 3025, 9801$
110	56	$n \equiv 1, 385, 3521, 6721, 10241, 14785, 18305,$ or 21505 (mod 24640) except $n = 385, 3521, 6721, 10241$

*continued on next page*

Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	57	$n \equiv 1, 1881, 2641, 3345, 5985, 8361, 10945, 11001, 13585,$ $15961, 18601, 19305, 20065, 21945, 22705, \text{ or } 24321 \pmod{25080}$ except $n = 1881, 2641, 3345, 5985, 8361, 10945, 11001$
110	58	$n \equiv 1, 2321, 2465, 4785, 5105, 7425, 22881, \text{ or } 25201 \pmod{25520}$ except $n = 2321, 2465, 4785, 5105, 7425$
110	59	$n \equiv 1, 5665, 5841, 10385, 10561, 16225, 20945, \text{ or } 21241 \pmod{25960}$ except $n = 5665, 5841, 10385, 10561$
110	60	$n \equiv 1, 3201, 4225, 7425, 12001, 16225, 17601, \text{ or } 21825 \pmod{26400}$ except $n = 3201, 4225, 7425, 12001$
110	61	$n \equiv 1, 3905, 6161, 10065, 14641, 16105, 20801, \text{ or } 22265 \pmod{26840}$ except $n = 3905, 6161, 10065$
110	62	$n \equiv 1, 4961, 10385, 15345, 15841, 20801, 21825, \text{ or } 26785 \pmod{27280}$ except $n = 4961, 10385$
110	63	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$
110	64	$n \equiv 1, 10241, 11265, \text{ or } 21505 \pmod{28160}$ except $n = 10241, 11265$
110	65	$n \equiv 1, 1001, 4225, 8801, 16225, 20801, 24025, \text{ or } 25025 \pmod{28600}$ except $n = 1001, 4225, 8801$
110	66	$n \equiv 1, 3025, 9681, 12705, 14641, 17425, 24321, \text{ or } 27105 \pmod{29040}$ except $n = 3025, 9681, 12705$
110	67	$n \equiv 1, 2145, 8041, 10385, 16281, 18425, 23585, \text{ or } 24321 \pmod{29480}$ except $n = 2145, 8041, 10385$
110	68	$n \equiv 1, 2465, 5985, 15521, 19041, 21505, 25025, \text{ or } 26401 \pmod{29920}$ except $n = 2465, 5985$
110	69	$n \equiv 1, 2025, 2761, 4785, 6601, 8625, 9361, 11385, 12145,$ $14905, 18745, 20241, 21505, 23001, 26841, \text{ or } 29601 \pmod{30360}$ except $n = 2025, 2761, 4785, 6601, 8625,$ $9361, 11385, 12145, 14905$

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Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	70	$n \equiv 1, 3025, 8625, 16401, 22001, 25025, 25201, \text{ or } 30625 \pmod{30800}$ except $n = 3025, 8625$
110	71	$n \equiv 1, 1705, 2201, 3905, 14201, 16401, 18745, \text{ or } 20945 \pmod{31240}$ except $n = 1705, 2201, 3905, 14201$
110	72	$n \equiv 1, 7425, 10945, 13761, 17281, 21825, 25345, \text{ or } 28161 \pmod{31680}$ except $n = 7425, 10945, 13761$
110	73	$n \equiv 1, 5841, 6425, 12265, 15841, 21681, 22265, \text{ or } 28105 \pmod{32120}$ except $n = 5841, 6425, 12265, 15841$
110	74	$n \equiv 1, 9361, 10065, 12321, 13025, 22385, 25345, \text{ or } 29601 \pmod{32560}$ except $n = 9361, 10065, 12321, 13025$
110	75	$n \equiv 1, 8625, 9625, 11001, 12001, 20625, 23001, \text{ or } 30625 \pmod{33000}$ except $n = 8625, 9625, 11001, 12001$
110	76	$n \equiv 1, 5985, 10241, 10945, 19361, 20065, 24321, \text{ or } 30305 \pmod{33440}$ except $n = 5985, 10241, 10945$
110	77	$n \equiv 1, 2905, 3025, 9681, 9801, 12705, 19481, \text{ or } 27105 \pmod{33880}$ except $n = 2905, 3025, 9681, 9801, 12705$
110	78	$n \equiv 1, 2145, 4225, 4785, 6721, 6865, 9361, 13585, 16225,$ $20241, 22881, 27105, 29601, 29745, 31681, \text{ or } 32241 \pmod{34320}$ except $n = 2145, 4225, 4785, 6721, 6865, 9361, 13585, 16225$
110	79	$n \equiv 1, 1265, 3081, 4345, 13905, 16985, 22121, \text{ or } 25201 \pmod{34760}$ except $n = 1265, 3081, 4345, 13905, 16985$
110	80	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{35200}$ except $n = 3201, 4225, 7425$
110	81	$n \equiv 1, 2025, 9801, 14905, 16281, 21385, 29161, \text{ or } 31185 \pmod{35640}$ except $n = 2025, 9801, 14905, 16281$
110	82	$n \equiv 1, 4961, 9185, 16401, 17425, 24641, 28865, \text{ or } 33825 \pmod{36080}$ except $n = 4961, 9185, 16401, 17425$
110	83	$n \equiv 1, 2905, 7305, 15521, 19921, 22825, 27225, \text{ or } 32121 \pmod{36520}$ except $n = 2905, 7305, 15521$

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Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	84	$n \equiv 1, 385, 5985, 6721, 12321, 12705, 14785, 15841, 19041,$ $21505, 22561, 27105, 28161, 30625, 33825, \text{ or } 34881 \pmod{36960}$ except $n = 385, 5985, 6721, 12321, 12705, 14785, 15841$
110	85	$n \equiv 1, 14025, 17425, 23001, 25025, 26401, 28425, \text{ or } 34001 \pmod{37400}$ except $n = 14025, 17425$
110	86	$n \equiv 1, 11825, 13201, 13761, 22705, 26961, 35905, \text{ or } 36465 \pmod{37840}$ except $n = 11825, 13201, 13761$
110	87	$n \equiv 1, 4785, 7425, 12441, 15081, 15225, 17545, 17865, 20185,$ $22881, 25201, 25521, 27841, 27985, 30625, \text{ or } 35641 \pmod{38280}$ except $n = 4785, 7425, 12441, 15081, 15225, 17545, 17865$
110	88	$n \equiv 1, 7745, 24321, \text{ or } 32065 \pmod{38720}$ except $n = 7745$
110	89	$n \equiv 1, 7921, 10681, 15665, 18601, 23585, 26345, \text{ or } 34265 \pmod{39160}$ except $n = 7921, 10681, 15665, 18601$
110	90	$n \equiv 1, 3025, 4401, 7425, 17425, 21825, 25201, \text{ or } 29601 \pmod{39600}$ except $n = 3025, 4401, 7425, 17425$
110	91	$n \equiv 1, 1001, 3081, 3641, 6721, 18305, 21385, 21945, 24025,$ $25025, 27105, 27665, 30745, 34321, 37401, \text{ or } 37961 \pmod{40040}$ except $n = 1001, 3081, 3641, 6721, 18305$
110	92	$n \equiv 1, 21505, 25025, 28865, 29601, 32385, 33121, \text{ or } 36961 \pmod{40480}$
110	93	$n \equiv 1, 1705, 7161, 8185, 13641, 15345, 15841, 18601, 21825,$ $24025, 26785, 29481, 32241, 34441, 37665, \text{ or } 40425 \pmod{40920}$ except $n = 1705, 7161, 8185, 13641, 15345, 15841, 18601$
110	94	$n \equiv 1, 705, 6721, 16545, 22561, 23265, 25521, \text{ or } 39105 \pmod{41360}$ except $n = 705, 6721, 16545$
110	95	$n \equiv 1, 5225, 7601, 11001, 18601, 28425, 36025, \text{ or } 39425 \pmod{41800}$ except $n = 5225, 7601, 11001, 18601$
110	96	$n \equiv 1, 7425, 11265, 21505, 24321, 25345, 28161, \text{ or } 38401 \pmod{42240}$ except $n = 7425, 11265$
110	97	$n \equiv 1, 3201, 6985, 15521, 21825, 30361, 34145, \text{ or } 37345 \pmod{42680}$ except $n = 3201, 6985, 15521$

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Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	98	$n \equiv 1, 8625, 10241, 18865, 22001, 30625, 31361, \text{ or } 39985 \pmod{43120}$ except $n = 8625, 10241, 18865$
110	99	$n \equiv 1, 3025, 9801, 17425, 24201, 27225, 29161, \text{ or } 41625 \pmod{43560}$ except $n = 3025, 9801, 17425$
110	100	$n \equiv 1, 12001, 30625, \text{ or } 42625 \pmod{44000}$ except $n = 12001$
110	101	$n \equiv 1, 6161, 10505, 16665, 26665, 28281, 32825, \text{ or } 34441 \pmod{44440}$ except $n = 6161, 10505, 16665$
110	102	$n \equiv 1, 561, 4081, 5985, 10065, 14961, 17425, 19041, 21505,$ $26401, 30481, 32385, 35905, 36465, 39985, \text{ or } 41361 \pmod{44880}$ except $n = 561, 4081, 5985, 10065, 14961, 17425, 19041, 21505$
110	103	$n \equiv 1, 825, 4841, 5665, 9065, 13905, 37081, \text{ or } 41921 \pmod{45320}$ except $n = 825, 4841, 5665, 9065, 13905$
110	104	$n \equiv 1, 4225, 6721, 18305, 20801, 25025, 31681, \text{ or } 39105 \pmod{45760}$ except $n = 4225, 6721, 18305, 20801$
110	105	$n \equiv 1, 3025, 6601, 8625, 9625, 9801, 15225, 16401, 24025,$ $25201, 30625, 30801, 31801, 33825, 37401, \text{ or } 40425 \pmod{46200}$ except $n = 3025, 6601, 8625, 9625, 9801, 15225, 16401$
110	106	$n \equiv 1, 4081, 8481, 23585, 27985, 32065, 36465, \text{ or } 42241 \pmod{46640}$ except $n = 4081, 8481$
110	107	$n \equiv 1, 29425, 33385, 33705, 37665, 38841, 42801, \text{ or } 43121 \pmod{47080}$
110	108	$n \equiv 1, 7425, 9505, 17281, 26785, 28161, 37665, \text{ or } 45441 \pmod{47520}$ except $n = 7425, 9505, 17281$
110	109	$n \equiv 1, 6105, 11881, 17985, 19185, 31065, 34881, \text{ or } 46761 \pmod{47960}$ except $n = 6105, 11881, 17985, 19185$
110	110	$n \equiv 1, 3025, 17425, \text{ or } 34001 \pmod{48400}$ except $n = 3025, 17425$
110	111	$n \equiv 1, 6105, 9361, 10065, 12321, 13321, 16281, 25345, 25641,$ $29305, 29601, 38665, 41625, 42625, 44881, \text{ or } 45585 \pmod{48840}$ except $n = 6105, 9361, 10065, 12321, 13321, 16281$

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Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	112	$n \equiv 1, 385, 10241, 18305, 21505, 28161, 31361, \text{ or } 39425 \pmod{49280}$ except $n = 385, 10241, 18305, 21505$
110	113	$n \equiv 1, 4521, 9945, 14465, 29041, 33561, 38985, \text{ or } 43505 \pmod{49720}$ except $n = 4521, 9945, 14465$
110	114	$n \equiv 1, 2641, 3345, 5985, 10945, 13585, 20065, 22705, 24321,$ $26961, 33441, 36081, 41041, 43681, 44385, \text{ or } 47025 \pmod{50160}$ except $n = 2641, 3345, 5985, 10945, 13585, 20065, 22705, 24321$
110	115	$n \equiv 1, 2025, 6601, 8625, 23001, 25025, 29601, \text{ or } 31625 \pmod{50600}$ except $n = 2025, 6601, 8625, 23001, 25025$
110	116	$n \equiv 1, 2465, 7425, 22881, 27841, 30305, 30625, \text{ or } 50721 \pmod{51040}$ except $n = 2465, 7425, 22881$
110	117	$n \equiv 1, 9361, 9945, 19305, 20241, 21385, 29601, 29745, 30745,$ $31681, 39105, 40041, 41041, 41185, 49401, \text{ or } 50545 \pmod{51480}$ except $n = 9361, 9945, 19305, 20241, 21385$
110	118	$n \equiv 1, 5665, 5841, 10385, 10561, 16225, 20945, \text{ or } 47201 \pmod{51920}$ except $n = 5665, 5841, 10385, 10561, 16225, 20945$
110	119	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 18921, 19041, 20945,$ $21505, 25025, 33881, 37401, 37961, 39865, \text{ or } 39985 \pmod{52360}$ except $n = 561, 2465, 4081, 5985, 6545,$ $18921, 19041, 20945, 21505, 25025$
110	120	$n \equiv 1, 3201, 4225, 7425, 17601, 21825, 38401, \text{ or } 42625 \pmod{52800}$ except $n = 3201, 4225, 7425, 17601, 21825$
110	121	$n \equiv 1, 14641, 31945, \text{ or } 46585 \pmod{53240}$ except $n = 14641$
110	122	$n \equiv 1, 3905, 6161, 10065, 14641, 20801, 42945, \text{ or } 49105 \pmod{53680}$ except $n = 3905, 6161, 10065, 14641, 20801$
110	123	$n \equiv 1, 6601, 10825, 16401, 17425, 23001, 27225, 33825, 34441,$ $36081, 41041, 42681, 45265, 46905, 51865, \text{ or } 53505 \pmod{54120}$ except $n = 6601, 10825, 16401, 17425, 23001$
110	124	$n \equiv 1, 4961, 15841, 20801, 21825, 26785, 37665, \text{ or } 42625 \pmod{54560}$ except $n = 4961, 15841, 20801, 21825, 26785$

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Table 109: Superspectra for  $p = 110$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
110	125	$n \equiv 1, 20625, 30625, \text{ or } 45001 \pmod{55000}$ except $n = 20625$
110	126	$n \equiv 1, 3025, 5985, 12321, 15345, 15841, 18865, 25201, 28161,$ $31185, 33265, 37521, 41041, 45585, 49105, \text{ or } 53361 \pmod{55440}$ except $n = 3025, 5985, 12321, 15345, 15841, 18865, 25201$
110	127	$n \equiv 1, 6985, 18161, 19305, 30481, 32385, 43561, \text{ or } 44705 \pmod{55880}$ except $n = 6985, 18161, 19305$
110	128	$n \equiv 1, 10241, 11265, \text{ or } 21505 \pmod{56320}$ except $n = 10241, 11265, 21505$

Table 110: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 111$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	2	$n \equiv 1, 297, 481, \text{ or } 777 \pmod{888}$ except $n = 297$
111	3	$n \equiv 1, 37, 297, \text{ or } 333 \pmod{1332}$ except $n = 37, 297, 333$
111	4	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{1776}$ except $n = 481$
111	5	$n \equiv 1, 445, 481, 741, 925, 1185, 1221, \text{ or } 1665 \pmod{2220}$ except $n = 445, 481, 741, 925$
111	6	$n \equiv 1, 297, 1369, \text{ or } 1665 \pmod{2664}$ except $n = 297$
111	7	$n \equiv 1, 777, 889, 925, 1813, 2073, 2961, \text{ or } 2997 \pmod{3108}$ except $n = 777, 889, 925$
111	8	$n \equiv 1, 481, 1185, \text{ or } 1665 \pmod{3552}$ except $n = 481, 1185, 1665$
111	9	$n \equiv 1, 297, 2701, \text{ or } 2997 \pmod{3996}$ except $n = 297$
111	10	$n \equiv 1, 481, 1185, 1665, 2665, 2961, 3145, \text{ or } 3441 \pmod{4440}$ except $n = 481, 1185, 1665$
111	11	$n \equiv 1, 297, 925, 1221, 1629, 2553, 3553, \text{ or } 4477 \pmod{4884}$ except $n = 297, 925, 1221, 1629$
111	12	$n \equiv 1, 1665, 2961, \text{ or } 4033 \pmod{5328}$ except $n = 1665$

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Table 110: Superspectra for  $p = 111$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	13	$n \equiv 1, 481, 741, 1665, 2665, 3589, 3849, \text{ or } 4329 \pmod{5772}$ except $n = 481, 741, 1665, 2665$
111	14	$n \equiv 1, 777, 889, 2073, 2961, 4033, 4921, \text{ or } 6105 \pmod{6216}$ except $n = 777, 889, 2073, 2961$
111	15	$n \equiv 1, 1665, 2665, 2701, 2961, 5365, 5625, \text{ or } 5661 \pmod{6660}$ except $n = 1665, 2665, 2701, 2961$
111	16	$n \equiv 1, 1665, 4033, \text{ or } 4737 \pmod{7104}$ except $n = 1665$
111	17	$n \equiv 1, 2109, 2517, 3145, 3553, 5661, 6069, \text{ or } 7141 \pmod{7548}$ except $n = 2109, 2517, 3145, 3553$
111	18	$n \equiv 1, 297, 6697, \text{ or } 6993 \pmod{7992}$ except $n = 297$
111	19	$n \equiv 1, 741, 1369, 2109, 3553, 4921, 5625, \text{ or } 6993 \pmod{8436}$ except $n = 741, 1369, 2109, 3553$
111	20	$n \equiv 1, 481, 1185, 1665, 2961, 3441, 7105, \text{ or } 7585 \pmod{8880}$ except $n = 481, 1185, 1665, 2961, 3441$
111	21	$n \equiv 1, 2961, 2997, 3997, 4033, 6993, 8029, \text{ or } 8289 \pmod{9324}$ except $n = 2961, 2997, 3997, 4033$
111	22	$n \equiv 1, 297, 2553, 3553, 5809, 6105, 6513, \text{ or } 9361 \pmod{9768}$ except $n = 297, 2553, 3553$
111	23	$n \equiv 1, 2553, 3405, 3589, 5773, 6993, 9177, \text{ or } 9361 \pmod{10212}$ except $n = 2553, 3405, 3589$
111	24	$n \equiv 1, 1665, 4033, \text{ or } 8289 \pmod{10656}$ except $n = 1665, 4033$
111	25	$n \equiv 1, 925, 2701, 5625, 7401, 8325, 9325, \text{ or } 10101 \pmod{11100}$ except $n = 925, 2701$
111	26	$n \equiv 1, 481, 1665, 2665, 3849, 4329, 6513, \text{ or } 9361 \pmod{11544}$ except $n = 481, 1665, 2665, 3849, 4329$
111	27	$n \equiv 1, 2997, 4293, \text{ or } 10693 \pmod{11988}$ except $n = 2997, 4293$
111	28	$n \equiv 1, 2961, 4033, 6993, 7105, 8289, 11137, \text{ or } 12321 \pmod{12432}$ except $n = 2961, 4033$

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Table 110: Superspectra for  $p = 111$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	29	$n \equiv 1, 2553, 4293, 5365, 7105, 9657, 11137, \text{ or } 11397 \pmod{12876}$ except $n = 2553, 4293, 5365$
111	30	$n \equiv 1, 1665, 2665, 2961, 5625, 9361, 12025, \text{ or } 12321 \pmod{13320}$ except $n = 1665, 2665, 2961, 5625$
111	31	$n \equiv 1, 1333, 2109, 3441, 6697, 8029, 9177, \text{ or } 10509 \pmod{13764}$ except $n = 1333, 2109, 3441, 6697$
111	32	$n \equiv 1, 1665, 4737, \text{ or } 11137 \pmod{14208}$ except $n = 1665, 4737$
111	33	$n \equiv 1, 297, 1629, 9361, 10693, 10989, 12321, \text{ or } 13321 \pmod{14652}$ except $n = 297, 1629$
111	34	$n \equiv 1, 3145, 3553, 9657, 10065, 13209, 13617, \text{ or } 14689 \pmod{15096}$ except $n = 3145, 3553$
111	35	$n \equiv 1, 925, 2961, 3885, 4921, 5181, 6105, 7105, 7141,$ $9325, 10101, 12285, 12321, 13321, 14245, \text{ or } 14505 \pmod{15540}$ except $n = 925, 2961, 3885, 4921, 5181, 6105, 7105, 7141$
111	36	$n \equiv 1, 6993, 8289, \text{ or } 14689 \pmod{15984}$ except $n = 6993$
111	37	$n \equiv 1, 1369, 10953, \text{ or } 12321 \pmod{16428}$ except $n = 1369$
111	38	$n \equiv 1, 1369, 3553, 4921, 5625, 6993, 9177, \text{ or } 10545 \pmod{16872}$ except $n = 1369, 3553, 4921, 5625, 6993$
111	39	$n \equiv 1, 1665, 2665, 4329, 9361, 9621, 12025, \text{ or } 12285 \pmod{17316}$ except $n = 1665, 2665, 4329$
111	40	$n \equiv 1, 481, 1185, 1665, 7105, 7585, 11841, \text{ or } 12321 \pmod{17760}$ except $n = 481, 1185, 1665, 7105, 7585$
111	41	$n \equiv 1, 2665, 4921, 6069, 7585, 8733, 10989, \text{ or } 13653 \pmod{18204}$ except $n = 2665, 4921, 6069, 7585, 8733$
111	42	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 13321, \text{ or } 17353 \pmod{18648}$ except $n = 2961, 4033, 6993, 8289$
111	43	$n \equiv 1, 1333, 3441, 4773, 9805, 11137, 12729, \text{ or } 14061 \pmod{19092}$ except $n = 1333, 3441, 4773$

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Table 110: Superspectra for  $p = 111$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	44	$n \equiv 1, 3553, 5809, 6513, 9361, 10065, 12321, \text{ or } 15873 \pmod{19536}$ except $n = 3553, 5809, 6513, 9361$
111	45	$n \equiv 1, 2701, 12285, 14985, 15985, 16281, 18685, \text{ or } 18981 \pmod{19980}$ except $n = 2701$
111	46	$n \equiv 1, 2553, 6993, 9177, 9361, 13617, 13801, \text{ or } 15985 \pmod{20424}$ except $n = 2553, 6993, 9177, 9361$
111	47	$n \equiv 1, 2257, 2961, 5217, 6957, 9213, 16873, \text{ or } 19129 \pmod{20868}$ except $n = 2257, 2961, 5217, 6957, 9213$
111	48	$n \equiv 1, 1665, 4033, \text{ or } 18945 \pmod{21312}$ except $n = 1665, 4033$
111	49	$n \equiv 1, 1813, 7105, 9213, 14505, 16317, 16465, \text{ or } 21609 \pmod{21756}$ except $n = 1813, 7105, 9213$
111	50	$n \equiv 1, 5625, 7401, 12025, 13801, 19425, 20425, \text{ or } 21201 \pmod{22200}$ except $n = 5625, 7401$
111	51	$n \equiv 1, 5661, 9657, 10693, 13617, 14689, 17613, \text{ or } 18649 \pmod{22644}$ except $n = 5661, 9657, 10693$
111	52	$n \equiv 1, 481, 1665, 6513, 9361, 14209, 15393, \text{ or } 15873 \pmod{23088}$ except $n = 481, 1665, 6513, 9361$
111	53	$n \equiv 1, 4293, 7845, 9805, 13357, 17649, 19981, \text{ or } 21201 \pmod{23532}$ except $n = 4293, 7845, 9805$
111	54	$n \equiv 1, 14985, 16281, \text{ or } 22681 \pmod{23976}$
111	55	$n \equiv 1, 925, 1221, 4885, 5181, 6105, 9361, 10065, 12321,$ $13321, 14245, 16281, 17205, 18205, 20461, \text{ or } 21165 \pmod{24420}$ except $n = 925, 1221, 4885, 5181, 6105, 9361, 10065$
111	56	$n \equiv 1, 4033, 7105, 8289, 11137, 12321, 15393, \text{ or } 19425 \pmod{24864}$ except $n = 4033, 7105, 8289, 11137, 12321$
111	57	$n \equiv 1, 1369, 5625, 6993, 11989, 13357, 17613, \text{ or } 18981 \pmod{25308}$ except $n = 1369, 5625, 6993, 11989$
111	58	$n \equiv 1, 2553, 7105, 9657, 11137, 17169, 18241, \text{ or } 24273 \pmod{25752}$ except $n = 2553, 7105, 9657, 11137$

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Table 110: Superspectra for  $p = 111$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	59	$n \equiv 1, 6549, 8437, 8733, 15577, 17169, 24013, \text{ or } 24309 \pmod{26196}$ except $n = 6549, 8437, 8733$
111	60	$n \equiv 1, 1665, 2961, 9361, 12321, 15985, 18945, \text{ or } 25345 \pmod{26640}$ except $n = 1665, 2961, 9361, 12321$
111	61	$n \equiv 1, 1221, 2257, 10065, 10249, 18057, 19093, \text{ or } 20313 \pmod{27084}$ except $n = 1221, 2257, 10065, 10249$
111	62	$n \equiv 1, 3441, 6697, 9177, 15097, 15873, 21793, \text{ or } 24273 \pmod{27528}$ except $n = 3441, 6697, 9177$
111	63	$n \equiv 1, 2997, 3997, 6993, 8289, 12285, 22681, \text{ or } 26677 \pmod{27972}$ except $n = 2997, 3997, 6993, 8289, 12285$
111	64	$n \equiv 1, 15873, 18945, \text{ or } 25345 \pmod{28416}$
111	65	$n \equiv 1, 481, 741, 1665, 2665, 9361, 9621, 10101, 11545,$ $12025, 12285, 18981, 19981, 20905, 21165, \text{ or } 21645 \pmod{28860}$ except $n = 481, 741, 1665, 2665, 9361,$ $9621, 10101, 11545, 12025, 12285$
111	66	$n \equiv 1, 297, 9361, 12321, 13321, 16281, 25345, \text{ or } 25641 \pmod{29304}$ except $n = 297, 9361, 12321, 13321$
111	67	$n \equiv 1, 7437, 10989, 16281, 17353, 19833, 20905, \text{ or } 26197 \pmod{29748}$ except $n = 7437, 10989$
111	68	$n \equiv 1, 3553, 10065, 13617, 14689, 18241, 24753, \text{ or } 28305 \pmod{30192}$ except $n = 3553, 10065, 13617, 14689$
111	69	$n \equiv 1, 6993, 9361, 13617, 15985, 22977, 24013, \text{ or } 29601 \pmod{30636}$ except $n = 6993, 9361, 13617$
111	70	$n \equiv 1, 2961, 4921, 6105, 7105, 12321, 13321, 14505, 16465,$ $19425, 20721, 22681, 24865, 25641, 27825, \text{ or } 29785 \pmod{31080}$ except $n = 2961, 4921, 6105, 7105, 12321, 13321, 14505$
111	71	$n \equiv 1, 7881, 8733, 9657, 10509, 28897, 29749, \text{ or } 30673 \pmod{31524}$ except $n = 7881, 8733, 9657, 10509$
111	72	$n \equiv 1, 8289, 14689, \text{ or } 22977 \pmod{31968}$ except $n = 8289, 14689$

*continued on next page*

Table 110: Superspectra for  $p = 111$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	73	$n \equiv 1, 2701, 5329, 18981, 21609, 24309, 26937, \text{ or } 29785 \pmod{32412}$ except $n = 2701, 5329$
111	74	$n \equiv 1, 1369, 10953, \text{ or } 12321 \pmod{32856}$ except $n = 1369, 10953, 12321$
111	75	$n \equiv 1, 2701, 5625, 8325, 9325, 12025, 29601, \text{ or } 32301 \pmod{33300}$ except $n = 2701, 5625, 8325, 9325, 12025$
111	76	$n \equiv 1, 3553, 6993, 10545, 18241, 21793, 22497, \text{ or } 26049 \pmod{33744}$ except $n = 3553, 6993, 10545$
111	77	$n \equiv 1, 925, 5181, 6105, 11397, 12321, 13321, 14245, 19537,$ $20461, 24717, 25641, 27973, 28897, 30933, \text{ or } 31857 \pmod{34188}$ except $n = 925, 5181, 6105, 11397, 12321, 13321, 14245$
111	78	$n \equiv 1, 1665, 2665, 4329, 9361, 12025, 26937, \text{ or } 29601 \pmod{34632}$ except $n = 1665, 2665, 4329, 9361, 12025$
111	79	$n \equiv 1, 1185, 7585, 8769, 12877, 20461, 23385, \text{ or } 30969 \pmod{35076}$ except $n = 1185, 7585, 8769, 12877$
111	80	$n \equiv 1, 1665, 7105, 11841, 18241, 18945, 25345, \text{ or } 30081 \pmod{35520}$ except $n = 1665, 7105, 11841$
111	81	$n \equiv 1, 10693, 16281, \text{ or } 26973 \pmod{35964}$ except $n = 10693, 16281$
111	82	$n \equiv 1, 2665, 4921, 7585, 24273, 26937, 29193, \text{ or } 31857 \pmod{36408}$ except $n = 2665, 4921, 7585$
111	83	$n \equiv 1, 333, 8881, 9213, 12285, 21165, 24901, \text{ or } 33781 \pmod{36852}$ except $n = 333, 8881, 9213, 12285$
111	84	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 31969, \text{ or } 36001 \pmod{37296}$ except $n = 2961, 4033, 6993, 8289, 12321$
111	85	$n \equiv 1, 3145, 5661, 7141, 10065, 11101, 17205, 18241, 21165,$ $22645, 25161, 28305, 29785, 32301, 33745, \text{ or } 36261 \pmod{37740}$ except $n = 3145, 5661, 7141, 10065, 11101, 17205, 18241$
111	86	$n \equiv 1, 3441, 11137, 12729, 20425, 23865, 28897, \text{ or } 33153 \pmod{38184}$ except $n = 3441, 11137, 12729$

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Table 110: Superspectra for  $p = 111$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	87	$n \equiv 1, 4293, 5365, 9657, 19981, 24013, 24273, \text{ or } 28305 \pmod{38628}$ except $n = 4293, 5365, 9657$
111	88	$n \equiv 1, 3553, 12321, 15873, 25345, 26049, 28897, \text{ or } 29601 \pmod{39072}$ except $n = 3553, 12321, 15873$
111	89	$n \equiv 1, 445, 13173, 13617, 16021, 16465, 29193, \text{ or } 29637 \pmod{39516}$ except $n = 445, 13173, 13617, 16021, 16465$
111	90	$n \equiv 1, 14985, 15985, 16281, 22681, 32265, 38665, \text{ or } 38961 \pmod{39960}$ except $n = 14985, 15985, 16281$
111	91	$n \equiv 1, 10101, 12285, 13209, 15393, 21645, 23569, 23829, 24753,$ $25753, 26677, 26937, 28861, 35113, 37297, \text{ or } 38221 \pmod{40404}$ except $n = 10101, 12285, 13209, 15393$
111	92	$n \equiv 1, 6993, 9361, 13617, 15985, 22977, 29601, \text{ or } 34225 \pmod{40848}$ except $n = 6993, 9361, 13617, 15985$
111	93	$n \equiv 1, 1333, 6697, 8029, 22941, 24273, 29637, \text{ or } 30969 \pmod{41292}$ except $n = 1333, 6697, 8029$
111	94	$n \equiv 1, 2257, 2961, 5217, 16873, 19129, 27825, \text{ or } 30081 \pmod{41736}$ except $n = 2257, 2961, 5217, 16873, 19129$
111	95	$n \equiv 1, 741, 4921, 5625, 9805, 10545, 14061, 18241, 18981,$ $20425, 23865, 28861, 32301, 33745, 34485, \text{ or } 38665 \pmod{42180}$ except $n = 741, 4921, 5625, 9805, 10545,$ $14061, 18241, 18981, 20425$
111	96	$n \equiv 1, 1665, 18945, \text{ or } 25345 \pmod{42624}$ except $n = 1665, 18945$
111	97	$n \equiv 1, 777, 3589, 15133, 17169, 28713, 31525, \text{ or } 32301 \pmod{43068}$ except $n = 777, 3589, 15133, 17169$
111	98	$n \equiv 1, 7105, 14505, 16465, 21609, 23569, 30969, \text{ or } 38073 \pmod{43512}$ except $n = 7105, 14505, 16465, 21609$
111	99	$n \equiv 1, 297, 10693, 10989, 16281, 26973, 27973, \text{ or } 38665 \pmod{43956}$ except $n = 297, 10693, 10989, 16281$
111	100	$n \equiv 1, 19425, 21201, 27825, 29601, 34225, 36001, \text{ or } 42625 \pmod{44400}$ except $n = 19425, 21201$

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Table 110: Superspectra for  $p = 111$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	101	$n \equiv 1, 10101, 14949, 18685, 23533, 33633, 38481, \text{ or } 39997 \pmod{44844}$ except $n = 10101, 14949, 18685$
111	102	$n \equiv 1, 9657, 13617, 14689, 18649, 28305, 33337, \text{ or } 40257 \pmod{45288}$ except $n = 9657, 13617, 14689, 18649$
111	103	$n \equiv 1, 11433, 17613, 24309, 26677, 30489, 32857, \text{ or } 39553 \pmod{45732}$ except $n = 11433, 17613$
111	104	$n \equiv 1, 481, 1665, 14209, 15393, 15873, 29601, \text{ or } 32449 \pmod{46176}$ except $n = 481, 1665, 14209, 15393, 15873$
111	105	$n \equiv 1, 2961, 9325, 12285, 12321, 13321, 21645, 22645, 22681,$ $25641, 32005, 34965, 36001, 36261, 45325, \text{ or } 45585 \pmod{46620}$ except $n = 2961, 9325, 12285, 12321, 13321, 21645, 22645, 22681$
111	106	$n \equiv 1, 17649, 21201, 27825, 31377, 33337, 36889, \text{ or } 43513 \pmod{47064}$ except $n = 17649, 21201$
111	107	$n \equiv 1, 2997, 8881, 11877, 15837, 24717, 34669, \text{ or } 43549 \pmod{47508}$ except $n = 2997, 8881, 11877, 15837$
111	108	$n \equiv 1, 38961, 40257, \text{ or } 46657 \pmod{47952}$
111	109	$n \equiv 1, 4033, 6105, 14061, 22237, 30193, 32265, \text{ or } 36297 \pmod{48396}$ except $n = 4033, 6105, 14061, 22237$
111	110	$n \equiv 1, 6105, 9361, 10065, 12321, 13321, 16281, 25345, 25641,$ $29305, 29601, 38665, 41625, 42625, 44881, \text{ or } 45585 \pmod{48840}$ except $n = 6105, 9361, 10065, 12321, 13321, 16281$
111	111	$n \equiv 1, 1369, 10953, \text{ or } 12321 \pmod{49284}$ except $n = 1369, 10953, 12321$
111	112	$n \equiv 1, 4033, 7105, 11137, 33153, 37185, 40257, \text{ or } 44289 \pmod{49728}$ except $n = 4033, 7105, 11137$
111	113	$n \equiv 1, 10509, 16725, 20905, 27121, 37629, 43845, \text{ or } 43957 \pmod{50172}$ except $n = 10509, 16725, 20905$
111	114	$n \equiv 1, 1369, 5625, 6993, 37297, 38665, 42921, \text{ or } 44289 \pmod{50616}$ except $n = 1369, 5625, 6993$

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Table 110: Superspectra for  $p = 111$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
111	115	$n \equiv 1, 3405, 9361, 12765, 13801, 15985, 17205, 20425, 29601,$ $29785, 34041, 34225, 43401, 46621, 47841, \text{ or } 50025 \pmod{51060}$ except $n = 3405, 9361, 12765, 13801, 15985, 17205, 20425$
111	116	$n \equiv 1, 7105, 11137, 17169, 18241, 24273, 28305, \text{ or } 35409 \pmod{51504}$ except $n = 7105, 11137, 17169, 18241, 24273$
111	117	$n \equiv 1, 12285, 18981, 19981, 26677, 38961, 44253, \text{ or } 46657 \pmod{51948}$ except $n = 12285, 18981, 19981$
111	118	$n \equiv 1, 15577, 17169, 32745, 34633, 34929, 50209, \text{ or } 50505 \pmod{52392}$ except $n = 15577, 17169$
111	119	$n \equiv 1, 6069, 7141, 13209, 17613, 18649, 22645, 24753, 25789,$ $29785, 36261, 40257, 41293, 43401, 47397, \text{ or } 48433 \pmod{52836}$ except $n = 6069, 7141, 13209, 17613, 18649, 22645, 24753, 25789$
111	120	$n \equiv 1, 1665, 12321, 18945, 25345, 29601, 36001, \text{ or } 42625 \pmod{53280}$ except $n = 1665, 12321, 18945, 25345$
111	121	$n \equiv 1, 4477, 5809, 34485, 35817, 40293, 41625, \text{ or } 52393 \pmod{53724}$ except $n = 4477, 5809$
111	122	$n \equiv 1, 2257, 10065, 10249, 18057, 20313, 28305, \text{ or } 46177 \pmod{54168}$ except $n = 2257, 10065, 10249, 18057, 20313$
111	123	$n \equiv 1, 2665, 10989, 13653, 24273, 26937, 41329, \text{ or } 43993 \pmod{54612}$ except $n = 2665, 10989, 13653, 24273, 26937$
111	124	$n \equiv 1, 3441, 15873, 21793, 24273, 34225, 36705, \text{ or } 42625 \pmod{55056}$ except $n = 3441, 15873, 21793, 24273$
111	125	$n \equiv 1, 5625, 18501, 23125, 36001, 41625, 42625, \text{ or } 54501 \pmod{55500}$ except $n = 5625, 18501, 23125$
111	126	$n \equiv 1, 6993, 8289, 22681, 30969, 31969, 40257, \text{ or } 54649 \pmod{55944}$ except $n = 6993, 8289, 22681$
111	127	$n \equiv 1, 889, 13209, 14097, 32005, 32893, 37593, \text{ or } 38481 \pmod{56388}$ except $n = 889, 13209, 14097$
111	128	$n \equiv 1, 15873, 18945, \text{ or } 53761 \pmod{56832}$ except $n = 15873, 18945$

Table 111: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 112$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
112	2	$n \equiv 1$ or $385 \pmod{896}$ except $n = 385$
112	3	$n \equiv 1, 385, 897,$ or $1281 \pmod{1344}$ except $n = 385$
112	4	$n \equiv 1$ or $1281 \pmod{1792}$
112	5	$n \equiv 1, 385, 1281,$ or $1345 \pmod{2240}$ except $n = 385$
112	6	$n \equiv 1, 385, 897,$ or $1281 \pmod{2688}$ except $n = 385, 897, 1281$
112	7	$n \equiv 1$ or $833 \pmod{3136}$ except $n = 833$
112	8	$n \equiv 1$ or $3073 \pmod{3584}$
112	9	$n \equiv 1, 1729, 2241,$ or $3969 \pmod{4032}$ except $n = 1729$
112	10	$n \equiv 1, 385, 1281,$ or $3585 \pmod{4480}$ except $n = 385, 1281$
112	11	$n \equiv 1, 385, 1793,$ or $3521 \pmod{4928}$ except $n = 385, 1793$
112	12	$n \equiv 1, 1281, 3073,$ or $3585 \pmod{5376}$ except $n = 1281$
112	13	$n \equiv 1, 833, 897,$ or $1729 \pmod{5824}$ except $n = 833, 897, 1729$
112	14	$n \equiv 1$ or $3969 \pmod{6272}$
112	15	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585,$ or $5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
112	16	$n \equiv 1$ or $3073 \pmod{7168}$ except $n = 3073$
112	17	$n \equiv 1, 833, 2177,$ or $6273 \pmod{7616}$ except $n = 833, 2177$
112	18	$n \equiv 1, 3969, 5761,$ or $6273 \pmod{8064}$ except $n = 3969$
112	19	$n \equiv 1, 1729, 4865,$ or $5377 \pmod{8512}$ except $n = 1729$
112	20	$n \equiv 1, 1281, 3585,$ or $4865 \pmod{8960}$ except $n = 1281, 3585$
112	21	$n \equiv 1, 3969, 6273,$ or $7105 \pmod{9408}$ except $n = 3969$
112	22	$n \equiv 1, 385, 1793,$ or $8449 \pmod{9856}$ except $n = 385, 1793$
112	23	$n \equiv 1, 897, 4417,$ or $5313 \pmod{10304}$ except $n = 897, 4417$
112	24	$n \equiv 1, 3073, 3585,$ or $6657 \pmod{10752}$ except $n = 3073, 3585$
112	25	$n \equiv 1, 2625, 5825,$ or $8001 \pmod{11200}$ except $n = 2625$

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Table 111: Superspectra for  $p = 112$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
112	26	$n \equiv 1, 897, 6657, \text{ or } 7553 \pmod{11648}$ except $n = 897$
112	27	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
112	28	$n \equiv 1 \text{ or } 10241 \pmod{12544}$
112	29	$n \equiv 1, 7105, 8961, \text{ or } 11137 \pmod{12992}$
112	30	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
112	31	$n \equiv 1, 3969, 4929, \text{ or } 8897 \pmod{13888}$ except $n = 3969, 4929$
112	32	$n \equiv 1 \text{ or } 10241 \pmod{14336}$
112	33	$n \equiv 1, 385, 4929, 5313, 6721, 8449, 11649, \text{ or } 13377 \pmod{14784}$ except $n = 385, 4929, 5313, 6721$
112	34	$n \equiv 1, 2177, 6273, \text{ or } 8449 \pmod{15232}$ except $n = 2177, 6273$
112	35	$n \equiv 1, 7105, 10241, \text{ or } 12545 \pmod{15680}$ except $n = 7105$
112	36	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
112	37	$n \equiv 1, 4033, 7105, \text{ or } 11137 \pmod{16576}$ except $n = 4033, 7105$
112	38	$n \equiv 1, 4865, 5377, \text{ or } 10241 \pmod{17024}$ except $n = 4865, 5377$
112	39	$n \equiv 1, 897, 1729, 6657, 6721, 11649, 12481, \text{ or } 13377 \pmod{17472}$ except $n = 897, 1729, 6657, 6721$
112	40	$n \equiv 1, 3585, 10241, \text{ or } 13825 \pmod{17920}$ except $n = 3585$
112	41	$n \equiv 1, 2625, 6273, \text{ or } 8897 \pmod{18368}$ except $n = 2625, 6273, 8897$
112	42	$n \equiv 1, 3969, 6273, \text{ or } 16513 \pmod{18816}$ except $n = 3969, 6273$
112	43	$n \equiv 1, 11137, 13889, \text{ or } 16513 \pmod{19264}$
112	44	$n \equiv 1, 1793, 8449, \text{ or } 10241 \pmod{19712}$ except $n = 1793, 8449$
112	45	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
112	46	$n \equiv 1, 897, 14721, \text{ or } 15617 \pmod{20608}$ except $n = 897$
112	47	$n \equiv 1, 6721, 12033, \text{ or } 18753 \pmod{21056}$ except $n = 6721$
112	48	$n \equiv 1, 3073, 14337, \text{ or } 17409 \pmod{21504}$ except $n = 3073$

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Table 111: Superspectra for  $p = 112$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
112	49	$n \equiv 1$ or 13377 (mod 21952)
112	50	$n \equiv 1, 13825, 17025, \text{ or } 19201$ (mod 22400)
112	51	$n \equiv 1, 6273, 7617, 8449, 9793, 16065, 17409, \text{ or } 21505$ (mod 22848) except $n = 6273, 7617, 8449, 9793$
112	52	$n \equiv 1, 6657, 12545, \text{ or } 19201$ (mod 23296)    except $n = 6657$
112	53	$n \equiv 1, 4929, 16961, \text{ or } 21889$ (mod 23744)    except $n = 4929$
112	54	$n \equiv 1, 3969, 13825, \text{ or } 14337$ (mod 24192)    except $n = 3969$
112	55	$n \equiv 1, 385, 3521, 6721, 10241, 14785, 18305, \text{ or } 21505$ (mod 24640) except $n = 385, 3521, 6721, 10241$
112	56	$n \equiv 1$ or 10241 (mod 25088)    except $n = 10241$
112	57	$n \equiv 1, 1729, 5377, 13377, 17025, 18753, 21889, \text{ or } 22401$ (mod 25536) except $n = 1729, 5377$
112	58	$n \equiv 1, 8961, 11137, \text{ or } 20097$ (mod 25984)    except $n = 8961, 11137$
112	59	$n \equiv 1, 7553, 14337, \text{ or } 21889$ (mod 26432)    except $n = 7553$
112	60	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785$ (mod 26880) except $n = 1281, 3585, 8961$
112	61	$n \equiv 1, 1281, 12993, \text{ or } 15617$ (mod 27328)    except $n = 1281, 12993$
112	62	$n \equiv 1, 3969, 18817, \text{ or } 22785$ (mod 27776)    except $n = 3969$
112	63	$n \equiv 1, 3969, 6273, \text{ or } 25921$ (mod 28224)    except $n = 3969, 6273$
112	64	$n \equiv 1$ or 24577 (mod 28672)
112	65	$n \equiv 1, 5825, 6721, 12481, 12545, 18305, 19201, \text{ or } 25025$ (mod 29120) except $n = 5825, 6721, 12481, 12545$
112	66	$n \equiv 1, 385, 8449, 11649, 19713, 20097, 21505, \text{ or } 28161$ (mod 29568) except $n = 385, 8449, 11649$
112	67	$n \equiv 1, 7169, 21441, \text{ or } 28609$ (mod 30016)    except $n = 7169$
112	68	$n \equiv 1, 8449, 17409, \text{ or } 21505$ (mod 30464)    except $n = 8449$

*continued on next page*

Table 111: Superspectra for  $p = 112$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
112	69	$n \equiv 1, 897, 4417, 5313, 10305, 14721, 21505, \text{ or } 25921 \pmod{30912}$ except $n = 897, 4417, 5313, 10305, 14721$
112	70	$n \equiv 1, 10241, 12545, \text{ or } 22785 \pmod{31360}$ except $n = 10241, 12545$
112	71	$n \equiv 1, 8449, 12993, \text{ or } 27265 \pmod{31808}$ except $n = 8449, 12993$
112	72	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{32256}$ except $n = 13825, 14337$
112	73	$n \equiv 1, 9345, 22849, \text{ or } 32193 \pmod{32704}$ except $n = 9345$
112	74	$n \equiv 1, 11137, 20609, \text{ or } 23681 \pmod{33152}$ except $n = 11137$
112	75	$n \equiv 1, 2625, 8001, 13825, 17025, 19201, 22401, \text{ or } 28225 \pmod{33600}$ except $n = 2625, 8001, 13825$
112	76	$n \equiv 1, 4865, 5377, \text{ or } 10241 \pmod{34048}$ except $n = 4865, 5377, 10241$
112	77	$n \equiv 1, 10241, 13377, \text{ or } 31361 \pmod{34496}$ except $n = 10241, 13377$
112	78	$n \equiv 1, 897, 6657, 11649, 19201, 24193, 29953, \text{ or } 30849 \pmod{34944}$ except $n = 897, 6657, 11649$
112	79	$n \equiv 1, 13825, 15169, \text{ or } 34049 \pmod{35392}$ except $n = 13825, 15169$
112	80	$n \equiv 1, 10241, 21505, \text{ or } 31745 \pmod{35840}$ except $n = 10241$
112	81	$n \equiv 1, 3969, 14337, \text{ or } 25921 \pmod{36288}$ except $n = 3969, 14337$
112	82	$n \equiv 1, 6273, 20993, \text{ or } 27265 \pmod{36736}$ except $n = 6273$
112	83	$n \equiv 1, 2241, 5313, \text{ or } 7553 \pmod{37184}$ except $n = 2241, 5313, 7553$
112	84	$n \equiv 1, 22785, 25089, \text{ or } 35329 \pmod{37632}$
112	85	$n \equiv 1, 16065, 21505, 23681, 25025, 29121, 30465, \text{ or } 32641 \pmod{38080}$ except $n = 16065$
112	86	$n \equiv 1, 11137, 16513, \text{ or } 33153 \pmod{38528}$ except $n = 11137, 16513$
112	87	$n \equiv 1, 7105, 8961, 11137, 12993, 20097, 24129, \text{ or } 34945 \pmod{38976}$ except $n = 7105, 8961, 11137, 12993$
112	88	$n \equiv 1, 10241, 21505, \text{ or } 28161 \pmod{39424}$ except $n = 10241$
112	89	$n \equiv 1, 9345, 22785, \text{ or } 26433 \pmod{39872}$ except $n = 9345$

*continued on next page*

Table 111: Superspectra for  $p = 112$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
112	90	$n \equiv 1, 5761, 8065, 13825, 22401, 28161, 30465, \text{ or } 36225 \pmod{40320}$ except $n = 5761, 8065, 13825$
112	91	$n \equiv 1, 833, 12545, \text{ or } 13377 \pmod{40768}$ except $n = 833, 12545, 13377$
112	92	$n \equiv 1, 15617, 21505, \text{ or } 35329 \pmod{41216}$ except $n = 15617$
112	93	$n \equiv 1, 3969, 4929, 17857, 18817, 22785, 27777, \text{ or } 36673 \pmod{41664}$ except $n = 3969, 4929, 17857, 18817$
112	94	$n \equiv 1, 12033, 27777, \text{ or } 39809 \pmod{42112}$ except $n = 12033$
112	95	$n \equiv 1, 4865, 10241, 17025, 22401, 27265, 30401, \text{ or } 39425 \pmod{42560}$ except $n = 4865, 10241, 17025$
112	96	$n \equiv 1, 14337, 24577, \text{ or } 38913 \pmod{43008}$ except $n = 14337$
112	97	$n \equiv 1, 6209, 9409, \text{ or } 15617 \pmod{43456}$ except $n = 6209, 9409, 15617$
112	98	$n \equiv 1 \text{ or } 35329 \pmod{43904}$
112	99	$n \equiv 1, 20097, 26433, 28161, 29953, 34497, 36289, \text{ or } 38017 \pmod{44352}$ except $n = 20097$
112	100	$n \equiv 1, 13825, 19201, \text{ or } 39425 \pmod{44800}$ except $n = 13825, 19201$
112	101	$n \equiv 1, 12929, 17473, \text{ or } 30401 \pmod{45248}$ except $n = 12929, 17473$
112	102	$n \equiv 1, 6273, 8449, 17409, 21505, 30465, 32641, \text{ or } 38913 \pmod{45696}$ except $n = 6273, 8449, 17409, 21505$
112	103	$n \equiv 1, 8961, 26369, \text{ or } 35329 \pmod{46144}$ except $n = 8961$
112	104	$n \equiv 1, 6657, 35841, \text{ or } 42497 \pmod{46592}$ except $n = 6657$
112	105	$n \equiv 1, 7105, 15681, 22785, 25921, 28225, 41601, \text{ or } 43905 \pmod{47040}$ except $n = 7105, 15681, 22785$
112	106	$n \equiv 1, 21889, 28673, \text{ or } 40705 \pmod{47488}$ except $n = 21889$
112	107	$n \equiv 1, 7169, 20545, \text{ or } 27713 \pmod{47936}$ except $n = 7169, 20545$
112	108	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{48384}$ except $n = 13825, 14337$
112	109	$n \equiv 1, 4033, 34881, \text{ or } 38913 \pmod{48832}$ except $n = 4033$

*continued on next page*

Table 111: Superspectra for  $p = 112$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
112	110	$n \equiv 1, 385, 10241, 18305, 21505, 28161, 31361, \text{ or } 39425 \pmod{49280}$ except $n = 385, 10241, 18305, 21505$
112	111	$n \equiv 1, 4033, 7105, 11137, 33153, 37185, 40257, \text{ or } 44289 \pmod{49728}$ except $n = 4033, 7105, 11137$
112	112	$n \equiv 1 \text{ or } 10241 \pmod{50176}$ except $n = 10241$
112	113	$n \equiv 1, 30849, 38081, \text{ or } 43393 \pmod{50624}$
112	114	$n \equiv 1, 5377, 17025, 21889, 22401, 27265, 38913, \text{ or } 44289 \pmod{51072}$ except $n = 5377, 17025, 21889, 22401$
112	115	$n \equiv 1, 10305, 11201, 14721, 21505, 25025, 25921, \text{ or } 36225 \pmod{51520}$ except $n = 10305, 11201, 14721, 21505, 25025$
112	116	$n \equiv 1, 8961, 37121, \text{ or } 46081 \pmod{51968}$ except $n = 8961$
112	117	$n \equiv 1, 1729, 18369, 24129, 24193, 29953, 46593, \text{ or } 48321 \pmod{52416}$ except $n = 1729, 18369, 24129, 24193$
112	118	$n \equiv 1, 7553, 14337, \text{ or } 21889 \pmod{52864}$ except $n = 7553, 14337, 21889$
112	119	$n \equiv 1, 833, 6273, \text{ or } 47873 \pmod{53312}$ except $n = 833, 6273$
112	120	$n \equiv 1, 3585, 13825, 21505, 28161, 35841, 46081, \text{ or } 49665 \pmod{53760}$ except $n = 3585, 13825, 21505$
112	121	$n \equiv 1, 16577, 23233, \text{ or } 39809 \pmod{54208}$ except $n = 16577, 23233$
112	122	$n \equiv 1, 1281, 15617, \text{ or } 40321 \pmod{54656}$ except $n = 1281, 15617$
112	123	$n \equiv 1, 2625, 6273, 18369, 27265, 39361, 43009, \text{ or } 45633 \pmod{55104}$ except $n = 2625, 6273, 18369, 27265$
112	124	$n \equiv 1, 22785, 31745, \text{ or } 46593 \pmod{55552}$ except $n = 22785$
112	125	$n \equiv 1, 2625, 8001, \text{ or } 50625 \pmod{56000}$ except $n = 2625, 8001$
112	126	$n \equiv 1, 3969, 6273, \text{ or } 54145 \pmod{56448}$ except $n = 3969, 6273$
112	127	$n \equiv 1, 8001, 16129, \text{ or } 48769 \pmod{56896}$ except $n = 8001, 16129$
112	128	$n \equiv 1 \text{ or } 24577 \pmod{57344}$ except $n = 24577$

Table 112: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 113$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
113	2	$n \equiv 1$ or $113 \pmod{904}$ except $n = 113$
113	3	$n \equiv 1, 453, 565,$ or $1017 \pmod{1356}$ except $n = 453, 565$
113	4	$n \equiv 1$ or $113 \pmod{1808}$ except $n = 113$
113	5	$n \equiv 1, 565, 905,$ or $1921 \pmod{2260}$ except $n = 565, 905$
113	6	$n \equiv 1, 1017, 1809,$ or $1921 \pmod{2712}$ except $n = 1017$
113	7	$n \equiv 1, 113, 2261,$ or $2373 \pmod{3164}$ except $n = 113$
113	8	$n \equiv 1$ or $1921 \pmod{3616}$
113	9	$n \equiv 1, 1017, 1809,$ or $3277 \pmod{4068}$ except $n = 1017, 1809$
113	10	$n \equiv 1, 905, 1921,$ or $2825 \pmod{4520}$ except $n = 905, 1921$
113	11	$n \equiv 1, 3729, 4181,$ or $4521 \pmod{4972}$
113	12	$n \equiv 1, 1809, 1921,$ or $3729 \pmod{5424}$ except $n = 1809, 1921$
113	13	$n \equiv 1, 1469, 3277,$ or $4069 \pmod{5876}$ except $n = 1469$
113	14	$n \equiv 1, 113, 5425,$ or $5537 \pmod{6328}$ except $n = 113$
113	15	$n \equiv 1, 565, 1921, 3165, 4521, 5085, 5425,$ or $6441 \pmod{6780}$ except $n = 565, 1921, 3165$
113	16	$n \equiv 1$ or $1921 \pmod{7232}$ except $n = 1921$
113	17	$n \equiv 1, 1921, 2261,$ or $7345 \pmod{7684}$ except $n = 1921, 2261$
113	18	$n \equiv 1, 1017, 1809,$ or $7345 \pmod{8136}$ except $n = 1017, 1809$
113	19	$n \equiv 1, 2261, 4181,$ or $6441 \pmod{8588}$ except $n = 2261, 4181$
113	20	$n \equiv 1, 1921, 5425,$ or $7345 \pmod{9040}$ except $n = 1921$
113	21	$n \equiv 1, 2373, 3165, 3277, 5425, 6441, 8589,$ or $8701 \pmod{9492}$ except $n = 2373, 3165, 3277$
113	22	$n \equiv 1, 3729, 4521,$ or $9153 \pmod{9944}$ except $n = 3729, 4521$
113	23	$n \equiv 1, 1357, 6441,$ or $7797 \pmod{10396}$ except $n = 1357$
113	24	$n \equiv 1, 1921, 7233,$ or $9153 \pmod{10848}$ except $n = 1921$

*continued on next page*



Table 112: Superspectra for  $p = 113$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
113	25	$n \equiv 1, 2825, 5425, \text{ or } 8701 \pmod{11300}$ except $n = 2825, 5425$
113	26	$n \equiv 1, 7345, 9153, \text{ or } 9945 \pmod{11752}$
113	27	$n \equiv 1, 1809, 7345, \text{ or } 9153 \pmod{12204}$ except $n = 1809$
113	28	$n \equiv 1, 113, 5425, \text{ or } 5537 \pmod{12656}$ except $n = 113, 5425, 5537$
113	29	$n \equiv 1, 3277, 7685, \text{ or } 8701 \pmod{13108}$ except $n = 3277$
113	30	$n \equiv 1, 1921, 4521, 5425, 6441, 7345, 9945, \text{ or } 11865 \pmod{13560}$ except $n = 1921, 4521, 5425, 6441$
113	31	$n \equiv 1, 5085, 5425, \text{ or } 10509 \pmod{14012}$ except $n = 5085, 5425$
113	32	$n \equiv 1 \text{ or } 1921 \pmod{14464}$ except $n = 1921$
113	33	$n \equiv 1, 3729, 4521, 8701, 9153, 9493, 9945, \text{ or } 14125 \pmod{14916}$ except $n = 3729, 4521$
113	34	$n \equiv 1, 1921, 7345, \text{ or } 9945 \pmod{15368}$ except $n = 1921, 7345$
113	35	$n \equiv 1, 2261, 3165, 5425, 6441, 8701, 9605, \text{ or } 11865 \pmod{15820}$ except $n = 2261, 3165, 5425, 6441$
113	36	$n \equiv 1, 1809, 7345, \text{ or } 9153 \pmod{16272}$ except $n = 1809, 7345$
113	37	$n \equiv 1, 4181, 10397, \text{ or } 10509 \pmod{16724}$ except $n = 4181$
113	38	$n \equiv 1, 6441, 10849, \text{ or } 12769 \pmod{17176}$ except $n = 6441$
113	39	$n \equiv 1, 3277, 4069, 5877, 7345, 9153, 9945, \text{ or } 13221 \pmod{17628}$ except $n = 3277, 4069, 5877, 7345$
113	40	$n \equiv 1, 1921, 14465, \text{ or } 16385 \pmod{18080}$ except $n = 1921$
113	41	$n \equiv 1, 4633, 5085, \text{ or } 18081 \pmod{18532}$ except $n = 4633, 5085$
113	42	$n \equiv 1, 5425, 6441, 11865, 12657, 12769, 18081, \text{ or } 18193 \pmod{18984}$ except $n = 5425, 6441$
113	43	$n \equiv 1, 14577, 15481, \text{ or } 18533 \pmod{19436}$
113	44	$n \equiv 1, 3729, 9153, \text{ or } 14465 \pmod{19888}$ except $n = 3729, 9153$
113	45	$n \equiv 1, 5085, 7345, 9945, 12205, 13221, 15481, \text{ or } 18081 \pmod{20340}$ except $n = 5085, 7345, 9945$

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Table 112: Superspectra for  $p = 113$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
113	46	$n \equiv 1, 6441, 11753, \text{ or } 18193 \pmod{20792}$ except $n = 6441$
113	47	$n \equiv 1, 565, 15369, \text{ or } 15933 \pmod{21244}$ except $n = 565$
113	48	$n \equiv 1, 1921, 7233, \text{ or } 9153 \pmod{21696}$ except $n = 1921, 7233, 9153$
113	49	$n \equiv 1, 5537, 9605, \text{ or } 18081 \pmod{22148}$ except $n = 5537, 9605$
113	50	$n \equiv 1, 2825, 5425, \text{ or } 20001 \pmod{22600}$ except $n = 2825, 5425$
113	51	$n \equiv 1, 1921, 7345, 9945, 15369, 17289, 17629, \text{ or } 22713 \pmod{23052}$ except $n = 1921, 7345, 9945$
113	52	$n \equiv 1, 7345, 9153, \text{ or } 21697 \pmod{23504}$ except $n = 7345, 9153$
113	53	$n \equiv 1, 5989, 7685, \text{ or } 22261 \pmod{23956}$ except $n = 5989, 7685$
113	54	$n \equiv 1, 1809, 7345, \text{ or } 9153 \pmod{24408}$ except $n = 1809, 7345, 9153$
113	55	$n \equiv 1, 4181, 4521, 8701, 9945, 14125, 14465, \text{ or } 18645 \pmod{24860}$ except $n = 4181, 4521, 8701, 9945$
113	56	$n \equiv 1, 5537, 12769, \text{ or } 18081 \pmod{25312}$ except $n = 5537$
113	57	$n \equiv 1, 6441, 8589, 10849, 12769, 19437, 21357, \text{ or } 23617 \pmod{25764}$ except $n = 6441, 8589, 10849, 12769$
113	58	$n \equiv 1, 16385, 20793, \text{ or } 21809 \pmod{26216}$
113	59	$n \equiv 1, 1357, 18645, \text{ or } 20001 \pmod{26668}$ except $n = 1357$
113	60	$n \equiv 1, 1921, 5425, 7345, 18081, 20001, 23505, \text{ or } 25425 \pmod{27120}$ except $n = 1921, 5425, 7345$
113	61	$n \equiv 1, 6893, 16837, \text{ or } 17629 \pmod{27572}$ except $n = 6893$
113	62	$n \equiv 1, 5425, 19097, \text{ or } 24521 \pmod{28024}$ except $n = 5425$
113	63	$n \equiv 1, 3277, 18081, 21357, 22149, 24409, 25425, \text{ or } 27685 \pmod{28476}$ except $n = 3277$
113	64	$n \equiv 1 \text{ or } 16385 \pmod{28928}$
113	65	$n \equiv 1, 7345, 9945, 13221, 15821, 20905, 23505, \text{ or } 26781 \pmod{29380}$ except $n = 7345, 9945, 13221$

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Table 112: Superspectra for  $p = 113$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
113	66	$n \equiv 1, 3729, 4521, 9153, 9945, 23617, 24409, \text{ or } 29041 \pmod{29832}$ except $n = 3729, 4521, 9153, 9945$
113	67	$n \equiv 1, 1809, 20905, \text{ or } 22713 \pmod{30284}$ except $n = 1809$
113	68	$n \equiv 1, 1921, 7345, \text{ or } 25313 \pmod{30736}$ except $n = 1921, 7345$
113	69	$n \equiv 1, 1357, 6441, 7797, 16837, 18193, 20793, \text{ or } 22149 \pmod{31188}$ except $n = 1357, 6441, 7797$
113	70	$n \equiv 1, 5425, 6441, 11865, 18081, 18985, 24521, \text{ or } 25425 \pmod{31640}$ except $n = 5425, 6441, 11865$
113	71	$n \equiv 1, 10509, 13561, \text{ or } 24069 \pmod{32092}$ except $n = 10509, 13561$
113	72	$n \equiv 1, 9153, 18081, \text{ or } 23617 \pmod{32544}$ except $n = 9153$
113	73	$n \equiv 1, 8249, 11753, \text{ or } 29493 \pmod{32996}$ except $n = 8249, 11753$
113	74	$n \equiv 1, 20905, 27121, \text{ or } 27233 \pmod{33448}$
113	75	$n \equiv 1, 5425, 8701, 11301, 14125, 16725, 20001, \text{ or } 25425 \pmod{33900}$ except $n = 5425, 8701, 11301, 14125, 16725$
113	76	$n \equiv 1, 10849, 12769, \text{ or } 23617 \pmod{34352}$ except $n = 10849, 12769$
113	77	$n \equiv 1, 8701, 9493, 14917, 19097, 24409, 28589, \text{ or } 34013 \pmod{34804}$ except $n = 8701, 9493, 14917$
113	78	$n \equiv 1, 7345, 9153, 9945, 20905, 21697, 23505, \text{ or } 30849 \pmod{35256}$ except $n = 7345, 9153, 9945$
113	79	$n \equiv 1, 8137, 18645, \text{ or } 26781 \pmod{35708}$ except $n = 8137$
113	80	$n \equiv 1, 1921, 14465, \text{ or } 16385 \pmod{36160}$ except $n = 1921, 14465, 16385$
113	81	$n \equiv 1, 9153, 14013, \text{ or } 31753 \pmod{36612}$ except $n = 9153, 14013$
113	82	$n \equiv 1, 4633, 18081, \text{ or } 23617 \pmod{37064}$ except $n = 4633, 18081$
113	83	$n \equiv 1, 28137, 32205, \text{ or } 33449 \pmod{37516}$
113	84	$n \equiv 1, 5425, 12657, 12769, 18081, 18193, 25425, \text{ or } 30849 \pmod{37968}$ except $n = 5425, 12657, 12769, 18081, 18193$
113	85	$n \equiv 1, 1921, 2261, 7345, 7685, 9605, 9945, \text{ or } 38081 \pmod{38420}$ except $n = 1921, 2261, 7345, 7685, 9605, 9945$

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Table 112: Superspectra for  $p = 113$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
113	86	$n \equiv 1, 14577, 15481, \text{ or } 37969 \pmod{38872}$ except $n = 14577, 15481$
113	87	$n \equiv 1, 3277, 8701, 20793, 26217, 29493, 33901, \text{ or } 34917 \pmod{39324}$ except $n = 3277, 8701$
113	88	$n \equiv 1, 9153, 14465, \text{ or } 23617 \pmod{39776}$ except $n = 9153, 14465$
113	89	$n \equiv 1, 10057, 17177, \text{ or } 33109 \pmod{40228}$ except $n = 10057, 17177$
113	90	$n \equiv 1, 7345, 9945, 15481, 18081, 25425, 32545, \text{ or } 33561 \pmod{40680}$ except $n = 7345, 9945, 15481, 18081$
113	91	$n \equiv 1, 3277, 11753, 15029, 15821, 19097, 27573, \text{ or } 30849 \pmod{41132}$ except $n = 3277, 11753, 15029, 15821, 19097$
113	92	$n \equiv 1, 18193, 27233, \text{ or } 32545 \pmod{41584}$ except $n = 18193$
113	93	$n \equiv 1, 5085, 5425, 10509, 14013, 19437, 33109, \text{ or } 38533 \pmod{42036}$ except $n = 5085, 5425, 10509, 14013, 19437$
113	94	$n \equiv 1, 15369, 21809, \text{ or } 37177 \pmod{42488}$ except $n = 15369$
113	95	$n \equiv 1, 2261, 4181, 6441, 25765, 28025, 29945, \text{ or } 32205 \pmod{42940}$ except $n = 2261, 4181, 6441$
113	96	$n \equiv 1, 1921, 28929, \text{ or } 30849 \pmod{43392}$ except $n = 1921$
113	97	$n \equiv 1, 10961, 22601, \text{ or } 32205 \pmod{43844}$ except $n = 10961$
113	98	$n \equiv 1, 5537, 18081, \text{ or } 31753 \pmod{44296}$ except $n = 5537, 18081$
113	99	$n \equiv 1, 9153, 9945, 23617, 24409, 33561, 34353, \text{ or } 43957 \pmod{44748}$ except $n = 9153, 9945$
113	100	$n \equiv 1, 5425, 20001, \text{ or } 25425 \pmod{45200}$ except $n = 5425, 20001$
113	101	$n \equiv 1, 11413, 27573, \text{ or } 29493 \pmod{45652}$ except $n = 11413$
113	102	$n \equiv 1, 1921, 7345, 9945, 15369, 17289, 22713, \text{ or } 40681 \pmod{46104}$ except $n = 1921, 7345, 9945, 15369, 17289, 22713$
113	103	$n \equiv 1, 8137, 26781, \text{ or } 34917 \pmod{46556}$ except $n = 8137$
113	104	$n \equiv 1, 9153, 21697, \text{ or } 30849 \pmod{47008}$ except $n = 9153, 21697$

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Table 112: Superspectra for  $p = 113$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
113	105	$n \equiv 1, 3165, 5425, 6441, 8701, 11865, 18081, 18985, 22261,$ $25425, 27685, 31641, 33901, 37065, 40341, \text{ or } 41245 \pmod{47460}$ except $n = 3165, 5425, 6441, 8701, 11865, 18081, 18985, 22261$
113	106	$n \equiv 1, 29945, 31641, \text{ or } 46217 \pmod{47912}$
113	107	$n \equiv 1, 14125, 22149, \text{ or } 36273 \pmod{48364}$ except $n = 14125, 22149$
113	108	$n \equiv 1, 1809, 7345, \text{ or } 9153 \pmod{48816}$ except $n = 1809, 7345, 9153$
113	109	$n \equiv 1, 12317, 15369, \text{ or } 46217 \pmod{49268}$ except $n = 12317, 15369$
113	110	$n \equiv 1, 4521, 9945, 14465, 29041, 33561, 38985, \text{ or } 43505 \pmod{49720}$ except $n = 4521, 9945, 14465$
113	111	$n \equiv 1, 10509, 16725, 20905, 27121, 37629, 43845, \text{ or } 43957 \pmod{50172}$ except $n = 10509, 16725, 20905$
113	112	$n \equiv 1, 30849, 38081, \text{ or } 43393 \pmod{50624}$
113	113	$n \equiv 1 \text{ or } 12769 \pmod{51076}$ except $n = 12769$
113	114	$n \equiv 1, 6441, 10849, 12769, 23617, 34353, 45201, \text{ or } 47121 \pmod{51528}$ except $n = 6441, 10849, 12769, 23617$
113	115	$n \equiv 1, 6441, 32545, 38985, 41585, 42941, 48025, \text{ or } 49381 \pmod{51980}$ except $n = 6441$
113	116	$n \equiv 1, 16385, 21809, \text{ or } 47009 \pmod{52432}$ except $n = 16385, 21809$
113	117	$n \equiv 1, 3277, 4069, 5877, 7345, 9153, 9945, \text{ or } 13221 \pmod{52884}$ except $n = 3277, 4069, 5877, 7345, 9153, 9945, 13221$
113	118	$n \equiv 1, 20001, 28025, \text{ or } 45313 \pmod{53336}$ except $n = 20001$
113	119	$n \equiv 1, 2261, 9605, 15029, 25313, 30737, 38081, \text{ or } 40341 \pmod{53788}$ except $n = 2261, 9605, 15029, 25313$
113	120	$n \equiv 1, 1921, 18081, 20001, 32545, 34465, 50625, \text{ or } 52545 \pmod{54240}$ except $n = 1921, 18081, 20001$
113	121	$n \equiv 1, 13673, 29041, \text{ or } 39325 \pmod{54692}$ except $n = 13673$
113	122	$n \equiv 1, 34465, 44409, \text{ or } 45201 \pmod{55144}$

*continued on next page*

Table 112: Superspectra for  $p = 113$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
113	123	$n \equiv 1, 4633, 5085, 18081, 23617, 36613, 37065, \text{ or } 41697 \pmod{55596}$ except $n = 4633, 5085, 18081, 23617$
113	124	$n \equiv 1, 5425, 47121, \text{ or } 52545 \pmod{56048}$ except $n = 5425$
113	125	$n \equiv 1, 14125, 20001, \text{ or } 50625 \pmod{56500}$ except $n = 14125, 20001$
113	126	$n \equiv 1, 18081, 24409, 25425, 31753, 49833, 50625, \text{ or } 56161 \pmod{56952}$ except $n = 18081, 24409, 25425$
113	127	$n \equiv 1, 1017, 42037, \text{ or } 43053 \pmod{57404}$ except $n = 1017$
113	128	$n \equiv 1 \text{ or } 16385 \pmod{57856}$ except $n = 16385$

Table 113: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 114$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	2	$n \equiv 1, 513, 609, \text{ or } 817 \pmod{912}$
114	3	$n \equiv 1, 153, 361, \text{ or } 513 \pmod{1368}$ except $n = 153, 361, 513$
114	4	$n \equiv 1, 513, 609, \text{ or } 1729 \pmod{1824}$ except $n = 513, 609$
114	5	$n \equiv 1, 361, 1065, 1425, 1521, 1825, 1881, \text{ or } 2185 \pmod{2280}$ except $n = 361, 1065$
114	6	$n \equiv 1, 513, 1521, \text{ or } 1729 \pmod{2736}$ except $n = 513$
114	7	$n \equiv 1, 57, 609, 1065, 1729, 2185, 2737, \text{ or } 2793 \pmod{3192}$ except $n = 57, 609, 1065$
114	8	$n \equiv 1, 513, 1729, \text{ or } 2433 \pmod{3648}$ except $n = 513, 1729$
114	9	$n \equiv 1, 513, 1729, \text{ or } 2889 \pmod{4104}$ except $n = 513, 1729$
114	10	$n \equiv 1, 1425, 1521, 1825, 2641, 3345, 4161, \text{ or } 4465 \pmod{4560}$ except $n = 1425, 1521, 1825$
114	11	$n \equiv 1, 913, 969, 1881, 2641, 3345, 3553, \text{ or } 4257 \pmod{5016}$ except $n = 913, 969, 1881$

*continued on next page*

Table 113: Superspectra for  $p = 114$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	12	$n \equiv 1, 513, 1729, \text{ or } 4257 \pmod{5472}$ except $n = 513, 1729$
114	13	$n \equiv 1, 1521, 1729, 1977, 2185, 3705, 4161, \text{ or } 5473 \pmod{5928}$ except $n = 1521, 1729, 1977, 2185$
114	14	$n \equiv 1, 609, 1729, 2737, 3249, 4257, 5377, \text{ or } 5985 \pmod{6384}$ except $n = 609, 1729, 2737$
114	15	$n \equiv 1, 361, 1521, 1881, 4105, 4465, 5625, \text{ or } 5985 \pmod{6840}$ except $n = 361, 1521, 1881$
114	16	$n \equiv 1, 513, 2433, \text{ or } 5377 \pmod{7296}$ except $n = 513, 2433$
114	17	$n \equiv 1, 153, 817, 969, 2737, 3553, 5169, \text{ or } 5985 \pmod{7752}$ except $n = 153, 817, 969, 2737, 3553$
114	18	$n \equiv 1, 513, 1729, \text{ or } 6993 \pmod{8208}$ except $n = 513, 1729$
114	19	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{8664}$ except $n = 361, 2889, 3249$
114	20	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
114	21	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 8569 \pmod{9576}$ except $n = 1729, 2737, 3249, 4257$
114	22	$n \equiv 1, 913, 2641, 3345, 3553, 4257, 5985, \text{ or } 6897 \pmod{10032}$ except $n = 913, 2641, 3345, 3553, 4257$
114	23	$n \equiv 1, 2185, 2737, 6441, 6993, 9177, 9729, \text{ or } 9937 \pmod{10488}$ except $n = 2185, 2737$
114	24	$n \equiv 1, 513, 1729, \text{ or } 9729 \pmod{10944}$ except $n = 513, 1729$
114	25	$n \equiv 1, 1425, 1825, 3801, 5625, 7201, 9025, \text{ or } 11001 \pmod{11400}$ except $n = 1425, 1825, 3801, 5625$
114	26	$n \equiv 1, 1521, 1729, 4161, 5473, 7905, 8113, \text{ or } 9633 \pmod{11856}$ except $n = 1521, 1729, 4161, 5473$
114	27	$n \equiv 1, 4617, 5833, \text{ or } 11097 \pmod{12312}$ except $n = 4617, 5833$
114	28	$n \equiv 1, 609, 1729, 4257, 5377, 5985, 9121, \text{ or } 9633 \pmod{12768}$ except $n = 609, 1729, 4257, 5377, 5985$

*continued on next page*

Table 113: Superspectra for  $p = 114$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	29	$n \equiv 1, 609, 3249, 5017, 7657, 8265, 8817, \text{ or } 12673 \pmod{13224}$ except $n = 609, 3249, 5017$
114	30	$n \equiv 1, 1521, 4465, 5985, 7201, 8721, 10945, \text{ or } 12465 \pmod{13680}$ except $n = 1521, 4465, 5985$
114	31	$n \equiv 1, 3193, 4465, 4713, 7657, 7905, 9177, \text{ or } 12369 \pmod{14136}$ except $n = 3193, 4465, 4713$
114	32	$n \equiv 1, 513, 5377, \text{ or } 9729 \pmod{14592}$ except $n = 513, 5377$
114	33	$n \equiv 1, 1881, 4257, 5985, 8361, 8569, 10945, \text{ or } 12673 \pmod{15048}$ except $n = 1881, 4257, 5985$
114	34	$n \equiv 1, 817, 2737, 3553, 5169, 5985, 7905, \text{ or } 8721 \pmod{15504}$ except $n = 817, 2737, 3553, 5169, 5985$
114	35	$n \equiv 1, 1065, 2185, 3801, 4921, 5985, 6385, 6441, 9121,$ $10185, 10641, 11305, 11761, 12825, 15505, \text{ or } 15561 \pmod{15960}$ except $n = 1065, 2185, 3801, 4921, 5985, 6385, 6441$
114	36	$n \equiv 1, 513, 1729, \text{ or } 15201 \pmod{16416}$ except $n = 513, 1729$
114	37	$n \equiv 1, 1369, 3553, 4921, 5625, 6993, 9177, \text{ or } 10545 \pmod{16872}$ except $n = 1369, 3553, 4921, 5625, 6993$
114	38	$n \equiv 1, 3249, 9025, \text{ or } 11553 \pmod{17328}$ except $n = 3249$
114	39	$n \equiv 1, 1521, 1729, 5473, 10089, 13833, 14041, \text{ or } 15561 \pmod{17784}$ except $n = 1521, 1729, 5473$
114	40	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$
114	41	$n \equiv 1, 2337, 3649, 4921, 8569, 12465, 16113, \text{ or } 17385 \pmod{18696}$ except $n = 2337, 3649, 4921, 8569$
114	42	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 18145 \pmod{19152}$ except $n = 1729, 2737, 3249, 4257, 5985, 6993$
114	43	$n \equiv 1, 817, 3097, 4257, 6537, 7353, 9633, \text{ or } 17329 \pmod{19608}$ except $n = 817, 3097, 4257, 6537, 7353, 9633$

*continued on next page*



Table 113: Superspectra for  $p = 114$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	44	$n \equiv 1, 3553, 4257, 5985, 10945, 12673, 13377, \text{ or } 16929 \pmod{20064}$ except $n = 3553, 4257, 5985$
114	45	$n \equiv 1, 4105, 8721, 12825, 14041, 15201, 18145, \text{ or } 19305 \pmod{20520}$ except $n = 4105, 8721$
114	46	$n \equiv 1, 2737, 6993, 9729, 9937, 12673, 16929, \text{ or } 19665 \pmod{20976}$ except $n = 2737, 6993, 9729, 9937$
114	47	$n \equiv 1, 1881, 4465, 9025, 9729, 14289, 16873, \text{ or } 18753 \pmod{21432}$ except $n = 1881, 4465, 9025, 9729$
114	48	$n \equiv 1, 513, 9729, \text{ or } 12673 \pmod{21888}$ except $n = 513, 9729$
114	49	$n \equiv 1, 2793, 5929, 7449, 11761, 13377, 17689, \text{ or } 19209 \pmod{22344}$ except $n = 2793, 5929, 7449$
114	50	$n \equiv 1, 1425, 1825, 7201, 9025, 15201, 17025, \text{ or } 22401 \pmod{22800}$ except $n = 1425, 1825, 7201, 9025$
114	51	$n \equiv 1, 153, 2737, 5985, 8569, 8721, 11305, \text{ or } 20673 \pmod{23256}$ except $n = 153, 2737, 5985, 8569, 8721, 11305$
114	52	$n \equiv 1, 1729, 4161, 5473, 7905, 9633, 13377, \text{ or } 19969 \pmod{23712}$ except $n = 1729, 4161, 5473, 7905, 9633$
114	53	$n \equiv 1, 1273, 13833, 15105, 16113, 17385, 21889, \text{ or } 23161 \pmod{24168}$ except $n = 1273$
114	54	$n \equiv 1, 16929, 18145, \text{ or } 23409 \pmod{24624}$
114	55	$n \equiv 1, 1881, 2641, 3345, 5985, 8361, 10945, 11001, 13585,$ $15961, 18601, 19305, 20065, 21945, 22705, \text{ or } 24321 \pmod{25080}$ except $n = 1881, 2641, 3345, 5985, 8361, 10945, 11001$
114	56	$n \equiv 1, 1729, 5377, 13377, 17025, 18753, 21889, \text{ or } 22401 \pmod{25536}$ except $n = 1729, 5377$
114	57	$n \equiv 1, 361, 2889, \text{ or } 3249 \pmod{25992}$ except $n = 361, 2889, 3249$
114	58	$n \equiv 1, 609, 3249, 8817, 12673, 18241, 20881, \text{ or } 21489 \pmod{26448}$ except $n = 609, 3249, 8817, 12673$

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Table 113: Superspectra for  $p = 114$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	59	$n \equiv 1, 10089, 12921, 15105, 17937, 19057, 21889, \text{ or } 24073 \pmod{26904}$ except $n = 10089, 12921$
114	60	$n \equiv 1, 5985, 7201, 10945, 15201, 18145, 22401, \text{ or } 26145 \pmod{27360}$ except $n = 5985, 7201, 10945$
114	61	$n \equiv 1, 7809, 8113, 9273, 9577, 17385, 18849, \text{ or } 26353 \pmod{27816}$ except $n = 7809, 8113, 9273, 9577$
114	62	$n \equiv 1, 4465, 7905, 12369, 17329, 18849, 21793, \text{ or } 23313 \pmod{28272}$ except $n = 4465, 7905, 12369$
114	63	$n \equiv 1, 1729, 6993, 12313, 12825, 18145, 23409, \text{ or } 25137 \pmod{28728}$ except $n = 1729, 6993, 12313, 12825$
114	64	$n \equiv 1, 513, 9729, \text{ or } 19969 \pmod{29184}$ except $n = 513, 9729$
114	65	$n \equiv 1, 1521, 2185, 3705, 4161, 7905, 11401, 13585, 14041,$ $15561, 17785, 19305, 19761, 21945, 25441, \text{ or } 29185 \pmod{29640}$ except $n = 1521, 2185, 3705, 4161, 7905, 11401, 13585, 14041$
114	66	$n \equiv 1, 4257, 5985, 10945, 12673, 16929, 23409, \text{ or } 23617 \pmod{30096}$ except $n = 4257, 5985, 10945, 12673$
114	67	$n \equiv 1, 1273, 10185, 11457, 14137, 17689, 24321, \text{ or } 27873 \pmod{30552}$ except $n = 1273, 10185, 11457, 14137$
114	68	$n \equiv 1, 3553, 5985, 7905, 16321, 18241, 20673, \text{ or } 24225 \pmod{31008}$ except $n = 3553, 5985, 7905$
114	69	$n \equiv 1, 2737, 6993, 9729, 9937, 12673, 16929, \text{ or } 19665 \pmod{31464}$ except $n = 2737, 6993, 9729, 9937, 12673$
114	70	$n \equiv 1, 5985, 6385, 9121, 10641, 11761, 15505, 17025, 18145,$ $19761, 20881, 22401, 26145, 27265, 28785, \text{ or } 31521 \pmod{31920}$ except $n = 5985, 6385, 9121, 10641, 11761, 15505$
114	71	$n \equiv 1, 1065, 6745, 11857, 16473, 21585, 27265, \text{ or } 28329 \pmod{32376}$ except $n = 1065, 6745, 11857$
114	72	$n \equiv 1, 513, 1729, \text{ or } 31617 \pmod{32832}$ except $n = 513, 1729$

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Table 113: Superspectra for  $p = 114$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	73	$n \equiv 1, 1825, 2337, 4161, 11097, 12921, 24529, \text{ or } 26353 \pmod{33288}$ except $n = 1825, 2337, 4161, 11097, 12921$
114	74	$n \equiv 1, 3553, 6993, 10545, 18241, 21793, 22497, \text{ or } 26049 \pmod{33744}$ except $n = 3553, 6993, 10545$
114	75	$n \equiv 1, 5625, 7201, 12825, 15201, 22401, 24625, \text{ or } 31825 \pmod{34200}$ except $n = 5625, 7201, 12825, 15201$
114	76	$n \equiv 1, 9025, 11553, \text{ or } 20577 \pmod{34656}$ except $n = 9025, 11553$
114	77	$n \equiv 1, 4257, 5929, 5985, 8569, 13377, 15961, 16017, 17689,$ $21945, 23409, 25081, 27721, 29337, 31977, \text{ or } 33649 \pmod{35112}$ except $n = 4257, 5929, 5985, 8569, 13377, 15961, 16017$
114	78	$n \equiv 1, 1521, 1729, 5473, 27873, 31617, 31825, \text{ or } 33345 \pmod{35568}$ except $n = 1521, 1729, 5473$
114	79	$n \equiv 1, 9481, 10033, 12009, 19513, 21489, 22041, \text{ or } 31521 \pmod{36024}$ except $n = 9481, 10033, 12009$
114	80	$n \equiv 1, 15105, 17025, 22401, 24321, 27265, 29185, \text{ or } 34561 \pmod{36480}$ except $n = 15105, 17025$
114	81	$n \equiv 1, 4617, 5833, \text{ or } 35721 \pmod{36936}$ except $n = 4617, 5833$
114	82	$n \equiv 1, 2337, 3649, 12465, 16113, 23617, 27265, \text{ or } 36081 \pmod{37392}$ except $n = 2337, 3649, 12465, 16113$
114	83	$n \equiv 1, 913, 13281, 14193, 25233, 25897, 26145, \text{ or } 26809 \pmod{37848}$ except $n = 913, 13281, 14193$
114	84	$n \equiv 1, 1729, 4257, 5985, 18145, 21889, 22401, \text{ or } 26145 \pmod{38304}$ except $n = 1729, 4257, 5985, 18145$
114	85	$n \equiv 1, 5985, 7905, 8721, 11305, 12921, 15505, 16321, 18241,$ $24225, 28425, 29241, 31161, 31825, 33745, \text{ or } 34561 \pmod{38760}$ except $n = 5985, 7905, 8721, 11305, 12921, 15505, 16321, 18241$
114	86	$n \equiv 1, 817, 4257, 9633, 17329, 22705, 26145, \text{ or } 26961 \pmod{39216}$ except $n = 817, 4257, 9633, 17329$

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Table 113: Superspectra for  $p = 114$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	87	$n \equiv 1, 3249, 12673, 13833, 20881, 22041, 31465, \text{ or } 34713 \pmod{39672}$ except $n = 3249, 12673, 13833$
114	88	$n \equiv 1, 10945, 12673, 13377, 23617, 24321, 26049, \text{ or } 36993 \pmod{40128}$ except $n = 10945, 12673, 13377$
114	89	$n \equiv 1, 1425, 3649, 5073, 14953, 18601, 27057, \text{ or } 30705 \pmod{40584}$ except $n = 1425, 3649, 5073, 14953, 18601$
114	90	$n \equiv 1, 8721, 15201, 18145, 24625, 33345, 34561, \text{ or } 39825 \pmod{41040}$ except $n = 8721, 15201, 18145$
114	91	$n \equiv 1, 1729, 2185, 5929, 7449, 8113, 9633, 13377, 13833,$ $15561, 16017, 19761, 21945, 35113, 37297, \text{ or } 41041 \pmod{41496}$ except $n = 1729, 2185, 5929, 7449, 8113, 9633,$ $13377, 13833, 15561, 16017, 19761$
114	92	$n \equiv 1, 9729, 12673, 16929, 23713, 27969, 30913, \text{ or } 40641 \pmod{41952}$ except $n = 9729, 12673, 16929$
114	93	$n \equiv 1, 4465, 22041, 26505, 31465, 32985, 35929, \text{ or } 37449 \pmod{42408}$ except $n = 4465$
114	94	$n \equiv 1, 4465, 9025, 9729, 14289, 18753, 23313, \text{ or } 38305 \pmod{42864}$ except $n = 4465, 9025, 9729, 14289, 18753$
114	95	$n \equiv 1, 361, 8665, 9025, 28881, 29241, 37545, \text{ or } 37905 \pmod{43320}$ except $n = 361, 8665, 9025$
114	96	$n \equiv 1, 513, 9729, \text{ or } 34561 \pmod{43776}$ except $n = 513, 9729$
114	97	$n \equiv 1, 5529, 10089, 10185, 14745, 35017, 39577, \text{ or } 39673 \pmod{44232}$ except $n = 5529, 10089, 10185, 14745$
114	98	$n \equiv 1, 11761, 13377, 25137, 28273, 29793, 40033, \text{ or } 41553 \pmod{44688}$ except $n = 11761, 13377$
114	99	$n \equiv 1, 16929, 19305, 21033, 23409, 38665, 41041, \text{ or } 42769 \pmod{45144}$ except $n = 16929, 19305, 21033$
114	100	$n \equiv 1, 1825, 7201, 9025, 15201, 17025, 22401, \text{ or } 24225 \pmod{45600}$ except $n = 1825, 7201, 9025, 15201, 17025, 22401$

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Table 113: Superspectra for  $p = 114$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	101	$n \equiv 1, 13737, 15049, 28785, 29089, 30705, 44137, \text{ or } 45753 \pmod{46056}$ except $n = 13737, 15049$
114	102	$n \equiv 1, 2737, 5985, 8721, 20673, 23409, 31825, \text{ or } 34561 \pmod{46512}$ except $n = 2737, 5985, 8721, 20673$
114	103	$n \equiv 1, 3193, 15657, 18849, 22249, 25441, 37905, \text{ or } 41097 \pmod{46968}$ except $n = 3193, 15657, 18849, 22249$
114	104	$n \equiv 1, 1729, 4161, 13377, 19969, 29185, 31617, \text{ or } 33345 \pmod{47424}$ except $n = 1729, 4161, 13377, 19969$
114	105	$n \equiv 1, 5985, 11305, 12825, 15561, 18145, 20881, 22401, 26145,$ $27721, 31465, 32985, 35721, 38305, 41041, \text{ or } 42561 \pmod{47880}$ except $n = 5985, 11305, 12825, 15561, 18145, 20881, 22401$
114	106	$n \equiv 1, 15105, 16113, 21889, 25441, 38001, 41553, \text{ or } 47329 \pmod{48336}$ except $n = 15105, 16113, 21889$
114	107	$n \equiv 1, 2889, 15409, 18297, 19153, 32529, 34561, \text{ or } 47937 \pmod{48792}$ except $n = 2889, 15409, 18297, 19153$
114	108	$n \equiv 1, 16929, 18145, \text{ or } 48033 \pmod{49248}$ except $n = 16929, 18145$
114	109	$n \equiv 1, 8721, 14497, 16569, 22345, 31065, 38913, \text{ or } 41857 \pmod{49704}$ except $n = 8721, 14497, 16569, 22345$
114	110	$n \equiv 1, 2641, 3345, 5985, 10945, 13585, 20065, 22705, 24321,$ $26961, 33441, 36081, 41041, 43681, 44385, \text{ or } 47025 \pmod{50160}$ except $n = 2641, 3345, 5985, 10945, 13585, 20065, 22705, 24321$
114	111	$n \equiv 1, 1369, 5625, 6993, 37297, 38665, 42921, \text{ or } 44289 \pmod{50616}$ except $n = 1369, 5625, 6993$
114	112	$n \equiv 1, 5377, 17025, 21889, 22401, 27265, 38913, \text{ or } 44289 \pmod{51072}$ except $n = 5377, 17025, 21889, 22401$
114	113	$n \equiv 1, 6441, 10849, 12769, 23617, 34353, 45201, \text{ or } 47121 \pmod{51528}$ except $n = 6441, 10849, 12769, 23617$
114	114	$n \equiv 1, 3249, 26353, \text{ or } 28881 \pmod{51984}$ except $n = 3249$

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Table 113: Superspectra for  $p = 114$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
114	115	$n \equiv 1, 2185, 6441, 13225, 17481, 19665, 20425, 23161, 30705,$ $31465, 34201, 37905, 40641, 41401, 48945, \text{ or } 51681 \pmod{52440}$ except $n = 2185, 6441, 13225, 17481, 19665, 20425, 23161$
114	116	$n \equiv 1, 609, 12673, 18241, 29697, 35265, 47329, \text{ or } 47937 \pmod{52896}$ except $n = 609, 12673, 18241$
114	117	$n \equiv 1, 1729, 14041, 19305, 31617, 33345, 41041, \text{ or } 45657 \pmod{53352}$ except $n = 1729, 14041, 19305$
114	118	$n \equiv 1, 15105, 17937, 19057, 21889, 36993, 39825, \text{ or } 50977 \pmod{53808}$ except $n = 15105, 17937, 19057, 21889$
114	119	$n \equiv 1, 2737, 5985, 8569, 11305, 15505, 23409, 24073, 31977,$ $36177, 38913, 41497, 44745, 47481, 50065, \text{ or } 51681 \pmod{54264}$ except $n = 2737, 5985, 8569, 11305, 15505, 23409, 24073$
114	120	$n \equiv 1, 10945, 22401, 33345, 34561, 42561, 45505, \text{ or } 53505 \pmod{54720}$ except $n = 10945, 22401$
114	121	$n \equiv 1, 969, 5929, 6897, 18393, 24321, 37753, \text{ or } 43681 \pmod{55176}$ except $n = 969, 5929, 6897, 18393, 24321$
114	122	$n \equiv 1, 7809, 8113, 18849, 26353, 37089, 37393, \text{ or } 45201 \pmod{55632}$ except $n = 7809, 8113, 18849, 26353$
114	123	$n \equiv 1, 8569, 12465, 21033, 23617, 36081, 41041, \text{ or } 53505 \pmod{56088}$ except $n = 8569, 12465, 21033, 23617$
114	124	$n \equiv 1, 7905, 18849, 21793, 32737, 40641, 45601, \text{ or } 51585 \pmod{56544}$ except $n = 7905, 18849, 21793$
114	125	$n \equiv 1, 5625, 11001, 24625, 30001, 35625, 38001, \text{ or } 54625 \pmod{57000}$ except $n = 5625, 11001, 24625$
114	126	$n \equiv 1, 1729, 6993, 18145, 23409, 25137, 41041, \text{ or } 41553 \pmod{57456}$ except $n = 1729, 6993, 18145, 23409, 25137$
114	127	$n \equiv 1, 10033, 19305, 21337, 29337, 31369, 40641, \text{ or } 50673 \pmod{57912}$ except $n = 10033, 19305, 21337$
114	128	$n \equiv 1, 29697, 38913, \text{ or } 49153 \pmod{58368}$

Table 114: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 115$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	2	$n \equiv 1, 161, 185, \text{ or } 345 \pmod{920}$ except $n = 161, 185, 345$
115	3	$n \equiv 1, 345, 621, 645, 805, 921, 1081, \text{ or } 1105 \pmod{1380}$ except $n = 345, 621, 645$
115	4	$n \equiv 1, 161, 1105, \text{ or } 1265 \pmod{1840}$ except $n = 161$
115	5	$n \equiv 1, 1725, 2001, \text{ or } 2025 \pmod{2300}$
115	6	$n \equiv 1, 345, 921, 1081, 1105, 2001, 2025, \text{ or } 2185 \pmod{2760}$ except $n = 345, 921, 1081, 1105$
115	7	$n \equiv 1, 161, 645, 805, 1541, 1841, 2185, \text{ or } 2485 \pmod{3220}$ except $n = 161, 645, 805, 1541$
115	8	$n \equiv 1, 161, 2945, \text{ or } 3105 \pmod{3680}$ except $n = 161$
115	9	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 3681 \pmod{4140}$ except $n = 621, 1081, 2025$
115	10	$n \equiv 1, 2001, 2025, \text{ or } 4025 \pmod{4600}$ except $n = 2001, 2025$
115	11	$n \equiv 1, 1265, 1541, 2025, 2761, 3565, 4301, \text{ or } 4785 \pmod{5060}$ except $n = 1265, 1541, 2025$
115	12	$n \equiv 1, 1105, 2001, 3105, 3681, 3841, 4785, \text{ or } 4945 \pmod{5520}$ except $n = 1105, 2001$
115	13	$n \equiv 1, 1105, 2185, 2301, 3381, 4485, 4785, \text{ or } 5681 \pmod{5980}$ except $n = 1105, 2185, 2301$
115	14	$n \equiv 1, 161, 1841, 2185, 3865, 4025, 4761, \text{ or } 5705 \pmod{6440}$ except $n = 161, 1841, 2185$
115	15	$n \equiv 1, 1725, 2001, 2025, 2301, 6325, 6601, \text{ or } 6625 \pmod{6900}$ except $n = 1725, 2001, 2025, 2301$
115	16	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{7360}$ except $n = 2945$
115	17	$n \equiv 1, 1105, 1565, 4301, 4761, 5865, 6325, \text{ or } 7361 \pmod{7820}$ except $n = 1105, 1565$
115	18	$n \equiv 1, 1081, 2025, 3105, 3681, 4761, 6625, \text{ or } 7705 \pmod{8280}$ except $n = 1081, 2025, 3105, 3681$

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Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	19	$n \equiv 1, 2185, 2945, 4485, 5245, 5681, 6441, \text{ or } 7981 \pmod{8740}$ except $n = 2185, 2945$
115	20	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{9200}$ except $n = 2001$
115	21	$n \equiv 1, 645, 805, 2185, 2485, 3381, 3865, 4761, 5061,$ $6441, 6601, 7245, 7981, 8281, 8625, \text{ or } 8925 \pmod{9660}$ except $n = 645, 805, 2185, 2485, 3381, 3865, 4761$
115	22	$n \equiv 1, 1265, 2025, 2761, 4785, 6601, 8625, \text{ or } 9361 \pmod{10120}$ except $n = 1265, 2025, 2761, 4785$
115	23	$n \equiv 1, 2645, 4761, \text{ or } 8465 \pmod{10580}$ except $n = 2645, 4761$
115	24	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
115	25	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{11500}$ except $n = 2001$
115	26	$n \equiv 1, 1105, 2185, 4785, 5681, 8281, 9361, \text{ or } 10465 \pmod{11960}$ except $n = 1105, 2185, 4785, 5681$
115	27	$n \equiv 1, 621, 1081, 2025, 2485, 3105, 3565, \text{ or } 11961 \pmod{12420}$ except $n = 621, 1081, 2025, 2485, 3105, 3565$
115	28	$n \equiv 1, 161, 1841, 8625, 10305, 10465, 11201, \text{ or } 12145 \pmod{12880}$ except $n = 161, 1841$
115	29	$n \equiv 1, 2001, 4785, 5221, 8005, 10005, 10121, \text{ or } 13225 \pmod{13340}$ except $n = 2001, 4785, 5221$
115	30	$n \equiv 1, 2001, 2025, 6601, 6625, 8625, 9201, \text{ or } 13225 \pmod{13800}$ except $n = 2001, 2025, 6601, 6625$
115	31	$n \equiv 1, 621, 2945, 3565, 5705, 6325, 11501, \text{ or } 12121 \pmod{14260}$ except $n = 621, 2945, 3565, 5705, 6325$
115	32	$n \equiv 1, 2945, 3841, \text{ or } 6785 \pmod{14720}$ except $n = 2945, 3841, 6785$
115	33	$n \equiv 1, 2025, 2761, 3565, 4785, 5061, 6325, 6601, 7821,$ $8625, 9361, 11385, 11661, 12145, 14421, \text{ or } 14905 \pmod{15180}$ except $n = 2025, 2761, 3565, 4785, 5061, 6325, 6601$

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Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	34	$n \equiv 1, 1105, 4761, 5865, 7361, 9385, 12121, \text{ or } 14145 \pmod{15640}$ except $n = 1105, 4761, 5865, 7361$
115	35	$n \equiv 1, 4025, 6601, 8625, 8925, 11201, 11501, \text{ or } 13525 \pmod{16100}$ except $n = 4025, 6601$
115	36	$n \equiv 1, 3105, 3681, 6625, 9361, 10305, 13041, \text{ or } 15985 \pmod{16560}$ except $n = 3105, 3681, 6625$
115	37	$n \equiv 1, 185, 3405, 9361, 12581, 12765, 13801, \text{ or } 15985 \pmod{17020}$ except $n = 185, 3405$
115	38	$n \equiv 1, 2185, 2945, 5681, 6441, 13225, 13985, \text{ or } 16721 \pmod{17480}$ except $n = 2185, 2945, 5681, 6441$
115	39	$n \equiv 1, 1105, 2185, 2301, 3381, 4485, 4785, 8281, 9361,$ $10465, 10765, 11661, 11961, 13065, 14145, \text{ or } 17641 \pmod{17940}$ except $n = 1105, 2185, 2301, 3381, 4485, 4785, 8281$
115	40	$n \equiv 1, 6625, 11201, \text{ or } 17825 \pmod{18400}$ except $n = 6625$
115	41	$n \equiv 1, 2461, 4141, 6601, 7545, 10005, 11685, \text{ or } 14145 \pmod{18860}$ except $n = 2461, 4141, 6601, 7545$
115	42	$n \equiv 1, 2185, 3865, 4761, 6441, 6601, 8281, 8625, 10305,$ $10465, 12145, 13041, 14721, 16905, 17641, \text{ or } 18585 \pmod{19320}$ except $n = 2185, 3865, 4761, 6441, 6601, 8281, 8625$
115	43	$n \equiv 1, 345, 645, 4301, 4601, 4945, 8901, \text{ or } 15825 \pmod{19780}$ except $n = 345, 645, 4301, 4601, 4945, 8901$
115	44	$n \equiv 1, 1265, 4785, 8625, 9361, 12145, 12881, \text{ or } 16721 \pmod{20240}$ except $n = 1265, 4785, 8625, 9361$
115	45	$n \equiv 1, 2025, 6625, 8901, 13501, 15525, 16101, \text{ or } 20125 \pmod{20700}$ except $n = 2025, 6625, 8901$
115	46	$n \equiv 1, 4761, 8465, \text{ or } 13225 \pmod{21160}$ except $n = 4761, 8465$
115	47	$n \equiv 1, 1081, 4325, 5405, 7521, 11845, 15181, \text{ or } 19505 \pmod{21620}$ except $n = 1081, 4325, 5405, 7521$

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Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	48	$n \equiv 1, 3841, 10305, 14145, 14721, 17665, 18561, \text{ or } 21505 \pmod{22080}$ except $n = 3841, 10305$
115	49	$n \equiv 1, 3381, 8281, 8625, 13525, 16905, 17641, \text{ or } 21805 \pmod{22540}$ except $n = 3381, 8281, 8625$
115	50	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{23000}$ except $n = 2001, 6625, 8625$
115	51	$n \equiv 1, 1105, 4761, 5865, 6325, 7821, 8925, 9385, 12121,$ $14145, 15181, 17205, 19941, 20401, 21505, \text{ or } 23001 \pmod{23460}$ except $n = 1105, 4761, 5865, 6325, 7821, 8925, 9385$
115	52	$n \equiv 1, 1105, 4785, 5681, 9361, 10465, 14145, \text{ or } 20241 \pmod{23920}$ except $n = 1105, 4785, 5681, 9361, 10465$
115	53	$n \equiv 1, 6625, 6785, 11501, 11661, 18285, 19505, \text{ or } 23161 \pmod{24380}$ except $n = 6625, 6785, 11501, 11661$
115	54	$n \equiv 1, 1081, 2025, 3105, 11961, 13041, 14905, \text{ or } 15985 \pmod{24840}$ except $n = 1081, 2025, 3105, 11961$
115	55	$n \equiv 1, 2025, 4301, 6325, 6601, 8625, 23001, \text{ or } 25025 \pmod{25300}$ except $n = 2025, 4301, 6325, 6601, 8625$
115	56	$n \equiv 1, 161, 10305, 10465, 11201, 14721, 21505, \text{ or } 25025 \pmod{25760}$ except $n = 161, 10305, 10465, 11201$
115	57	$n \equiv 1, 2185, 4485, 5245, 6441, 7981, 11685, 13225, 14421,$ $15181, 17481, 19665, 20425, 22725, 23161, \text{ or } 25461 \pmod{26220}$ except $n = 2185, 4485, 5245, 6441, 7981, 11685$
115	58	$n \equiv 1, 2001, 4785, 10121, 13225, 18561, 21345, \text{ or } 23345 \pmod{26680}$ except $n = 2001, 4785, 10121, 13225$
115	59	$n \equiv 1, 2301, 4485, 6785, 15341, 16285, 17641, \text{ or } 18585 \pmod{27140}$ except $n = 2301, 4485, 6785$
115	60	$n \equiv 1, 2001, 6625, 8625, 9201, 15825, 20401, \text{ or } 27025 \pmod{27600}$ except $n = 2001, 6625, 8625, 9201$
115	61	$n \equiv 1, 9821, 10005, 11041, 11225, 21045, 22265, \text{ or } 26841 \pmod{28060}$ except $n = 9821, 10005, 11041, 11225$

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Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	62	$n \equiv 1, 2945, 5705, 12121, 14881, 17825, 20585, \text{ or } 25761 \pmod{28520}$ except $n = 2945, 5705, 12121$
115	63	$n \equiv 1, 2485, 4761, 7245, 8281, 10305, 11845, 13041, 16101,$ $17641, 18585, 20125, 23185, 24381, 25921, \text{ or } 27945 \pmod{28980}$ except $n = 2485, 4761, 7245, 8281, 10305, 11845, 13041$
115	64	$n \equiv 1, 3841, 17665, \text{ or } 21505 \pmod{29440}$ except $n = 3841$
115	65	$n \equiv 1, 2301, 20125, 22425, 22725, 25025, 27301, \text{ or } 29601 \pmod{29900}$ except $n = 2301$
115	66	$n \equiv 1, 2025, 2761, 4785, 6601, 8625, 9361, 11385, 12145,$ $14905, 18745, 20241, 21505, 23001, 26841, \text{ or } 29601 \pmod{30360}$ except $n = 2025, 2761, 4785, 6601, 8625,$ $9361, 11385, 12145, 14905$
115	67	$n \equiv 1, 805, 1541, 6165, 6901, 7705, 13065, \text{ or } 25461 \pmod{30820}$ except $n = 805, 1541, 6165, 6901, 7705, 13065$
115	68	$n \equiv 1, 1105, 7361, 14145, 20401, 21505, 25025, \text{ or } 27761 \pmod{31280}$ except $n = 1105, 7361, 14145$
115	69	$n \equiv 1, 4761, 10581, 13225, 19045, 23805, 25921, \text{ or } 29625 \pmod{31740}$ except $n = 4761, 10581, 13225$
115	70	$n \equiv 1, 4025, 6601, 8625, 11201, 25025, 27601, \text{ or } 29625 \pmod{32200}$ except $n = 4025, 6601, 8625, 11201$
115	71	$n \equiv 1, 2485, 5681, 8165, 13065, 18745, 22081, \text{ or } 27761 \pmod{32660}$ except $n = 2485, 5681, 8165, 13065$
115	72	$n \equiv 1, 3105, 3681, 6625, 10305, 25921, 29601, \text{ or } 32545 \pmod{33120}$ except $n = 3105, 3681, 6625, 10305$
115	73	$n \equiv 1, 2921, 22265, 25185, 26865, 28981, 29785, \text{ or } 31901 \pmod{33580}$ except $n = 2921$
115	74	$n \equiv 1, 185, 9361, 13801, 15985, 20425, 29601, \text{ or } 29785 \pmod{34040}$ except $n = 185, 9361, 13801, 15985$
115	75	$n \equiv 1, 2001, 6625, 8625, 13501, 20125, 23001, \text{ or } 29625 \pmod{34500}$ except $n = 2001, 6625, 8625, 13501$

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Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	76	$n \equiv 1, 2945, 5681, 13985, 16721, 19665, 23921, \text{ or } 30705 \pmod{34960}$ except $n = 2945, 5681, 13985, 16721$
115	77	$n \equiv 1, 1541, 5061, 6601, 7085, 8625, 12145, 12881, 13685,$ $14421, 17941, 19481, 19965, 21505, 25025, \text{ or } 26565 \pmod{35420}$ except $n = 1541, 5061, 6601, 7085, 8625,$ $12145, 12881, 13685, 14421$
115	78	$n \equiv 1, 1105, 2185, 4785, 8281, 9361, 10465, 11961, 13065,$ $14145, 17641, 20241, 21321, 22425, 28705, \text{ or } 29601 \pmod{35880}$ except $n = 1105, 2185, 4785, 8281, 9361,$ $10465, 11961, 13065, 14145, 17641$
115	79	$n \equiv 1, 1265, 7821, 9085, 15801, 21805, 23621, \text{ or } 29625 \pmod{36340}$ except $n = 1265, 7821, 9085, 15801$
115	80	$n \equiv 1, 11201, 25025, \text{ or } 36225 \pmod{36800}$ except $n = 11201$
115	81	$n \equiv 1, 2025, 3565, 13041, 14905, 24381, 25921, \text{ or } 27945 \pmod{37260}$ except $n = 2025, 3565, 13041, 14905$
115	82	$n \equiv 1, 6601, 7545, 14145, 21321, 23001, 28865, \text{ or } 30545 \pmod{37720}$ except $n = 6601, 7545, 14145$
115	83	$n \equiv 1, 9545, 17181, 19505, 20585, 27141, 28221, \text{ or } 30545 \pmod{38180}$ except $n = 9545, 17181$
115	84	$n \equiv 1, 8625, 10305, 10465, 12145, 13041, 14721, 21505, 23185,$ $24081, 25761, 25921, 27601, 36225, 36961, \text{ or } 37905 \pmod{38640}$ except $n = 8625, 10305, 10465, 12145, 13041, 14721$
115	85	$n \equiv 1, 4301, 6325, 8925, 20401, 23001, 25025, \text{ or } 29325 \pmod{39100}$ except $n = 4301, 6325, 8925$
115	86	$n \equiv 1, 345, 4601, 4945, 15825, 20425, 24081, \text{ or } 28681 \pmod{39560}$ except $n = 345, 4601, 4945, 15825$
115	87	$n \equiv 1, 2001, 4785, 5221, 8005, 10005, 13225, 13341, 18561,$ $21345, 23461, 26565, 28681, 31465, 36685, \text{ or } 36801 \pmod{40020}$ except $n = 2001, 4785, 5221, 8005, 10005, 13225, 13341, 18561$
115	88	$n \equiv 1, 21505, 25025, 28865, 29601, 32385, 33121, \text{ or } 36961 \pmod{40480}$

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Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	89	$n \equiv 1, 6141, 8901, 21805, 24565, 30705, 33465, \text{ or } 38181 \pmod{40940}$ except $n = 6141, 8901$
115	90	$n \equiv 1, 2025, 6625, 29601, 34201, 36225, 36801, \text{ or } 40825 \pmod{41400}$ except $n = 2025, 6625$
115	91	$n \equiv 1, 2185, 3381, 7085, 8281, 10465, 16745, 17641, 17941,$ $20125, 25025, 27301, 32201, 34385, 34685, \text{ or } 35581 \pmod{41860}$ except $n = 2185, 3381, 7085, 8281, 10465,$ $16745, 17641, 17941, 20125$
115	92	$n \equiv 1, 8465, 25921, \text{ or } 34385 \pmod{42320}$ except $n = 8465$
115	93	$n \equiv 1, 621, 3565, 6325, 12121, 14881, 17205, 19965, 25761,$ $28521, 31465, 32085, 34225, 34845, 40021, \text{ or } 40641 \pmod{42780}$ except $n = 621, 3565, 6325, 12121, 14881, 17205, 19965$
115	94	$n \equiv 1, 1081, 7521, 19505, 25945, 27025, 33465, \text{ or } 36801 \pmod{43240}$ except $n = 1081, 7521, 19505$
115	95	$n \equiv 1, 10925, 13225, 20425, 22725, 31901, 34201, \text{ or } 41401 \pmod{43700}$ except $n = 10925, 13225, 20425$
115	96	$n \equiv 1, 3841, 14721, 17665, 18561, 21505, 32385, \text{ or } 36225 \pmod{44160}$ except $n = 3841, 14721, 17665, 18561, 21505$
115	97	$n \equiv 1, 3105, 8925, 24541, 30361, 33465, 38801, \text{ or } 39285 \pmod{44620}$ except $n = 3105, 8925$
115	98	$n \equiv 1, 8281, 8625, 16905, 17641, 25921, 36065, \text{ or } 44345 \pmod{45080}$ except $n = 8281, 8625, 16905, 17641$
115	99	$n \equiv 1, 2025, 3565, 7821, 9361, 11385, 14905, 20241, 21781,$ $23805, 27325, 29601, 33121, 35145, 36685, \text{ or } 42021 \pmod{45540}$ except $n = 2025, 3565, 7821, 9361, 11385, 14905, 20241, 21781$
115	100	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{46000}$ except $n = 2001, 6625, 8625$
115	101	$n \equiv 1, 4141, 12121, 16261, 18585, 22725, 30705, \text{ or } 34845 \pmod{46460}$ except $n = 4141, 12121, 16261, 18585, 22725$

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Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	102	$n \equiv 1, 1105, 4761, 5865, 9385, 12121, 14145, 20401, 21505,$ $23001, 29785, 31281, 32385, 38641, 40665, \text{ or } 43401 \pmod{46920}$ except $n = 1105, 4761, 5865, 9385, 12121,$ $14145, 20401, 21505, 23001$
115	103	$n \equiv 1, 4945, 6901, 11845, 14421, 21321, 37905, \text{ or } 44805 \pmod{47380}$ except $n = 4945, 6901, 11845, 14421, 21321$
115	104	$n \equiv 1, 10465, 14145, 25025, 28705, 29601, 33281, \text{ or } 44161 \pmod{47840}$ except $n = 10465, 14145$
115	105	$n \equiv 1, 6601, 8625, 8925, 13525, 16101, 20125, 22701, 27301,$ $27601, 29625, 36225, 40825, 41125, 43401, \text{ or } 43701 \pmod{48300}$ except $n = 6601, 8625, 8925, 13525, 16101, 20125, 22701$
115	106	$n \equiv 1, 6625, 6785, 19505, 23161, 35881, 36041, \text{ or } 42665 \pmod{48760}$ except $n = 6625, 6785, 19505, 23161$
115	107	$n \equiv 1, 2461, 4601, 7705, 9845, 12305, 14445, \text{ or } 47081 \pmod{49220}$ except $n = 2461, 4601, 7705, 9845, 12305, 14445$
115	108	$n \equiv 1, 3105, 13041, 15985, 25921, 26865, 36801, \text{ or } 39745 \pmod{49680}$ except $n = 3105, 13041, 15985$
115	109	$n \equiv 1, 7085, 7521, 10465, 27141, 30085, 30521, \text{ or } 37605 \pmod{50140}$ except $n = 7085, 7521, 10465$
115	110	$n \equiv 1, 2025, 6601, 8625, 23001, 25025, 29601, \text{ or } 31625 \pmod{50600}$ except $n = 2025, 6601, 8625, 23001, 25025$
115	111	$n \equiv 1, 3405, 9361, 12765, 13801, 15985, 17205, 20425, 29601,$ $29785, 34041, 34225, 43401, 46621, 47841, \text{ or } 50025 \pmod{51060}$ except $n = 3405, 9361, 12765, 13801, 15985, 17205, 20425$
115	112	$n \equiv 1, 10305, 11201, 14721, 21505, 25025, 25921, \text{ or } 36225 \pmod{51520}$ except $n = 10305, 11201, 14721, 21505, 25025$
115	113	$n \equiv 1, 6441, 32545, 38985, 41585, 42941, 48025, \text{ or } 49381 \pmod{51980}$ except $n = 6441$

*continued on next page*

Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	114	$n \equiv 1, 2185, 6441, 13225, 17481, 19665, 20425, 23161, 30705,$ $31465, 34201, 37905, 40641, 41401, 48945, \text{ or } 51681 \pmod{52440}$ except $n = 2185, 6441, 13225, 17481, 19665, 20425, 23161$
115	115	$n \equiv 1, 13225, 29625, \text{ or } 36501 \pmod{52900}$ except $n = 13225$
115	116	$n \equiv 1, 2001, 4785, 18561, 21345, 23345, 36801, \text{ or } 39905 \pmod{53360}$ except $n = 2001, 4785, 18561, 21345, 23345$
115	117	$n \equiv 1, 8281, 9361, 10765, 11961, 17641, 19045, 20125, 20241,$ $21321, 22725, 28405, 29601, 31005, 32085, \text{ or } 40365 \pmod{53820}$ except $n = 8281, 9361, 10765, 11961, 17641,$ $19045, 20125, 20241, 21321, 22725$
115	118	$n \equiv 1, 6785, 17641, 18585, 29441, 31625, 42481, \text{ or } 43425 \pmod{54280}$ except $n = 6785, 17641, 18585$
115	119	$n \equiv 1, 4761, 8925, 13685, 16745, 21505, 25025, 29785, 30821,$ $32845, 35581, 37605, 38641, 43401, 46921, \text{ or } 51681 \pmod{54740}$ except $n = 4761, 8925, 13685, 16745, 21505, 25025$
115	120	$n \equiv 1, 6625, 29601, 36225, 36801, 43425, 48001, \text{ or } 54625 \pmod{55200}$ except $n = 6625$
115	121	$n \equiv 1, 19481, 19965, 21781, 22265, 41745, 44045, \text{ or } 53361 \pmod{55660}$ except $n = 19481, 19965, 21781, 22265$
115	122	$n \equiv 1, 11041, 11225, 22265, 26841, 37881, 38065, \text{ or } 49105 \pmod{56120}$ except $n = 11041, 11225, 22265, 26841$
115	123	$n \equiv 1, 2461, 4141, 6601, 7545, 10005, 11685, 14145, 18861,$ $21321, 23001, 25461, 45265, 47725, 49405, \text{ or } 51865 \pmod{56580}$ except $n = 2461, 4141, 6601, 7545, 10005, 11685,$ $14145, 18861, 21321, 23001, 25461$
115	124	$n \equiv 1, 2945, 14881, 17825, 25761, 34225, 40641, \text{ or } 49105 \pmod{57040}$ except $n = 2945, 14881, 17825, 25761$
115	125	$n \equiv 1, 18125, 25001, \text{ or } 43125 \pmod{57500}$ except $n = 18125, 25001$

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Table 114: Superspectra for  $p = 115$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
115	126	$n \equiv 1, 4761, 8281, 10305, 13041, 17641, 18585, 23185, 25921,$ $27945, 31465, 36225, 40825, 45081, 49105, \text{ or } 53361 \pmod{57960}$ except $n = 4761, 8281, 10305, 13041, 17641,$ $18585, 23185, 25921, 27945$
115	127	$n \equiv 1, 2921, 11685, 14605, 20701, 32385, 40641, \text{ or } 52325 \pmod{58420}$ except $n = 2921, 11685, 14605, 20701$
115	128	$n \equiv 1, 21505, 33281, \text{ or } 47105 \pmod{58880}$ except $n = 21505$

Table 115: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 116$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
116	2	$n \equiv 1 \text{ or } 609 \pmod{928}$
116	3	$n \equiv 1, 145, 465, \text{ or } 609 \pmod{1392}$ except $n = 145, 465, 609$
116	4	$n \equiv 1 \text{ or } 1537 \pmod{1856}$
116	5	$n \equiv 1, 145, 465, \text{ or } 2001 \pmod{2320}$ except $n = 145, 465$
116	6	$n \equiv 1, 609, 1537, \text{ or } 1857 \pmod{2784}$ except $n = 609$
116	7	$n \equiv 1, 609, 1393, \text{ or } 2465 \pmod{3248}$ except $n = 609, 1393$
116	8	$n \equiv 1 \text{ or } 1537 \pmod{3712}$ except $n = 1537$
116	9	$n \equiv 1, 145, 3249, \text{ or } 3393 \pmod{4176}$ except $n = 145$
116	10	$n \equiv 1, 2465, 2785, \text{ or } 4321 \pmod{4640}$
116	11	$n \equiv 1, 2321, 2465, \text{ or } 4785 \pmod{5104}$ except $n = 2321, 2465$
116	12	$n \equiv 1, 1537, 1857, \text{ or } 3393 \pmod{5568}$ except $n = 1537, 1857$
116	13	$n \equiv 1, 3393, 4641, \text{ or } 4785 \pmod{6032}$
116	14	$n \equiv 1, 609, 2465, \text{ or } 4641 \pmod{6496}$ except $n = 609, 2465$
116	15	$n \equiv 1, 145, 465, 2001, 2785, 4321, 4641, \text{ or } 4785 \pmod{6960}$ except $n = 145, 465, 2001, 2785$

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Table 115: Superspectra for  $p = 116$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
116	16	$n \equiv 1$ or $1537 \pmod{7424}$ except $n = 1537$
116	17	$n \equiv 1, 2465, 4641, \text{ or } 5713 \pmod{7888}$ except $n = 2465$
116	18	$n \equiv 1, 3393, 4321, \text{ or } 7425 \pmod{8352}$ except $n = 3393$
116	19	$n \equiv 1, 609, 3249, \text{ or } 3857 \pmod{8816}$ except $n = 609, 3249, 3857$
116	20	$n \equiv 1, 7105, 7425, \text{ or } 8961 \pmod{9280}$
116	21	$n \equiv 1, 609, 1393, 3249, 4641, 5713, 7105, \text{ or } 8961 \pmod{9744}$ except $n = 609, 1393, 3249, 4641$
116	22	$n \equiv 1, 2465, 7425, \text{ or } 9889 \pmod{10208}$ except $n = 2465$
116	23	$n \equiv 1, 2001, 4785, \text{ or } 7889 \pmod{10672}$ except $n = 2001, 4785$
116	24	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{11136}$ except $n = 1537$
116	25	$n \equiv 1, 2001, 7425, \text{ or } 9425 \pmod{11600}$ except $n = 2001$
116	26	$n \equiv 1, 3393, 4641, \text{ or } 10817 \pmod{12064}$ except $n = 3393, 4641$
116	27	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{12528}$ except $n = 4321$
116	28	$n \equiv 1, 7105, 8961, \text{ or } 11137 \pmod{12992}$
116	29	$n \equiv 1$ or $7569 \pmod{13456}$
116	30	$n \equiv 1, 2785, 4321, 4641, 7105, 7425, 8961, \text{ or } 11745 \pmod{13920}$ except $n = 2785, 4321, 4641$
116	31	$n \equiv 1, 465, 9425, \text{ or } 9889 \pmod{14384}$ except $n = 465$
116	32	$n \equiv 1$ or $1537 \pmod{14848}$ except $n = 1537$
116	33	$n \equiv 1, 4785, 7425, 7569, 9889, 10209, 12529, \text{ or } 12673 \pmod{15312}$ except $n = 4785, 7425, 7569$
116	34	$n \equiv 1, 2465, 4641, \text{ or } 13601 \pmod{15776}$ except $n = 2465, 4641$
116	35	$n \equiv 1, 2465, 4641, 7105, 8961, 9745, 13601, \text{ or } 14385 \pmod{16240}$ except $n = 2465, 4641, 7105$
116	36	$n \equiv 1, 3393, 7425, \text{ or } 12673 \pmod{16704}$ except $n = 3393, 7425$
116	37	$n \equiv 1, 1073, 7105, \text{ or } 11137 \pmod{17168}$ except $n = 1073, 7105$
116	38	$n \equiv 1, 609, 12065, \text{ or } 12673 \pmod{17632}$ except $n = 609$

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Table 115: Superspectra for  $p = 116$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
116	39	$n \equiv 1, 3393, 4641, 4785, 6033, 15457, 16705, \text{ or } 16849 \pmod{18096}$ except $n = 3393, 4641, 4785, 6033$
116	40	$n \equiv 1, 7425, 8961, \text{ or } 16385 \pmod{18560}$ except $n = 7425, 8961$
116	41	$n \equiv 1, 5249, 10209, \text{ or } 15457 \pmod{19024}$ except $n = 5249$
116	42	$n \equiv 1, 609, 4641, 7105, 8961, 11137, 12993, \text{ or } 15457 \pmod{19488}$ except $n = 609, 4641, 7105, 8961$
116	43	$n \equiv 1, 7569, 11137, \text{ or } 18705 \pmod{19952}$ except $n = 7569$
116	44	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{20416}$ except $n = 7425$
116	45	$n \equiv 1, 145, 4321, 7425, 11601, 11745, 15921, \text{ or } 16705 \pmod{20880}$ except $n = 145, 4321, 7425$
116	46	$n \equiv 1, 12673, 15457, \text{ or } 18561 \pmod{21344}$
116	47	$n \equiv 1, 3713, 11281, \text{ or } 14993 \pmod{21808}$ except $n = 3713$
116	48	$n \equiv 1, 1537, 7425, \text{ or } 8961 \pmod{22272}$ except $n = 1537, 7425, 8961$
116	49	$n \equiv 1, 7105, 7889, \text{ or } 21953 \pmod{22736}$ except $n = 7105, 7889$
116	50	$n \equiv 1, 7425, 13601, \text{ or } 21025 \pmod{23200}$ except $n = 7425$
116	51	$n \equiv 1, 4641, 5713, 10353, 12529, 15777, 18241, \text{ or } 21489 \pmod{23664}$ except $n = 4641, 5713, 10353$
116	52	$n \equiv 1, 3393, 10817, \text{ or } 16705 \pmod{24128}$ except $n = 3393, 10817$
116	53	$n \equiv 1, 1537, 3393, \text{ or } 22737 \pmod{24592}$ except $n = 1537, 3393$
116	54	$n \equiv 1, 4321, 7425, \text{ or } 11745 \pmod{25056}$ except $n = 4321, 7425, 11745$
116	55	$n \equiv 1, 2321, 2465, 4785, 5105, 7425, 22881, \text{ or } 25201 \pmod{25520}$ except $n = 2321, 2465, 4785, 5105, 7425$
116	56	$n \equiv 1, 8961, 11137, \text{ or } 20097 \pmod{25984}$ except $n = 8961, 11137$
116	57	$n \equiv 1, 609, 3249, 8817, 12673, 18241, 20881, \text{ or } 21489 \pmod{26448}$ except $n = 609, 3249, 8817, 12673$
116	58	$n \equiv 1 \text{ or } 21025 \pmod{26912}$
116	59	$n \equiv 1, 8497, 17169, \text{ or } 25665 \pmod{27376}$ except $n = 8497$

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Table 115: Superspectra for  $p = 116$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
116	60	$n \equiv 1, 7105, 7425, 8961, 16705, 18241, 18561, \text{ or } 25665 \pmod{27840}$ except $n = 7105, 7425, 8961$
116	61	$n \equiv 1, 2929, 12993, \text{ or } 15921 \pmod{28304}$ except $n = 2929, 12993$
116	62	$n \equiv 1, 9889, 14849, \text{ or } 23809 \pmod{28768}$ except $n = 9889$
116	63	$n \equiv 1, 3249, 16849, 20097, 20881, 24129, 25201, \text{ or } 28449 \pmod{29232}$ except $n = 3249$
116	64	$n \equiv 1 \text{ or } 16385 \pmod{29696}$
116	65	$n \equiv 1, 4641, 4785, 9425, 12065, 16705, 22881, \text{ or } 27521 \pmod{30160}$ except $n = 4641, 4785, 9425, 12065$
116	66	$n \equiv 1, 7425, 9889, 10209, 12673, 20097, 22881, \text{ or } 27841 \pmod{30624}$ except $n = 7425, 9889, 10209, 12673$
116	67	$n \equiv 1, 1073, 12529, \text{ or } 13601 \pmod{31088}$ except $n = 1073, 12529, 13601$
116	68	$n \equiv 1, 18241, 20417, \text{ or } 29377 \pmod{31552}$
116	69	$n \equiv 1, 2001, 4785, 12673, 15457, 18561, 21345, \text{ or } 29233 \pmod{32016}$ except $n = 2001, 4785, 12673, 15457$
116	70	$n \equiv 1, 2465, 4641, 7105, 8961, 13601, 25985, \text{ or } 30625 \pmod{32480}$ except $n = 2465, 4641, 7105, 8961, 13601$
116	71	$n \equiv 1, 6177, 12993, \text{ or } 26129 \pmod{32944}$ except $n = 6177, 12993$
116	72	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{33408}$ except $n = 7425, 12673$
116	73	$n \equiv 1, 6497, 21025, \text{ or } 27521 \pmod{33872}$ except $n = 6497$
116	74	$n \equiv 1, 7105, 11137, \text{ or } 18241 \pmod{34336}$ except $n = 7105, 11137$
116	75	$n \equiv 1, 2001, 7425, 11601, 21025, 25201, 30625, \text{ or } 32625 \pmod{34800}$ except $n = 2001, 7425, 11601$
116	76	$n \equiv 1, 12673, 18241, \text{ or } 29697 \pmod{35264}$ except $n = 12673$
116	77	$n \equiv 1, 2465, 17633, 20097, 22737, 25201, 30625, \text{ or } 33089 \pmod{35728}$ except $n = 2465, 17633$
116	78	$n \equiv 1, 3393, 4641, 15457, 16705, 22881, 24129, \text{ or } 34945 \pmod{36192}$ except $n = 3393, 4641, 15457, 16705$

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Table 115: Superspectra for  $p = 116$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
116	79	$n \equiv 1, 3713, 21489, \text{ or } 25201 \pmod{36656}$ except $n = 3713$
116	80	$n \equiv 1, 7425, 8961, \text{ or } 16385 \pmod{37120}$ except $n = 7425, 8961, 16385$
116	81	$n \equiv 1, 11745, 16849, \text{ or } 32481 \pmod{37584}$ except $n = 11745, 16849$
116	82	$n \equiv 1, 5249, 10209, \text{ or } 15457 \pmod{38048}$ except $n = 5249, 10209, 15457$
116	83	$n \equiv 1, 6641, 10209, \text{ or } 16849 \pmod{38512}$ except $n = 6641, 10209, 16849$
116	84	$n \equiv 1, 7105, 8961, 11137, 12993, 20097, 24129, \text{ or } 34945 \pmod{38976}$ except $n = 7105, 8961, 11137, 12993$
116	85	$n \equiv 1, 2465, 4641, 13601, 18241, 23665, 28305, \text{ or } 37265 \pmod{39440}$ except $n = 2465, 4641, 13601, 18241$
116	86	$n \equiv 1, 11137, 27521, \text{ or } 38657 \pmod{39904}$ except $n = 11137$
116	87	$n \equiv 1, 7569, 21025, \text{ or } 26913 \pmod{40368}$ except $n = 7569$
116	88	$n \equiv 1, 7425, 12673, \text{ or } 20097 \pmod{40832}$ except $n = 7425, 12673, 20097$
116	89	$n \equiv 1, 6497, 27057, \text{ or } 33553 \pmod{41296}$ except $n = 6497$
116	90	$n \equiv 1, 4321, 7425, 11745, 16705, 21025, 32481, \text{ or } 36801 \pmod{41760}$ except $n = 4321, 7425, 11745, 16705$
116	91	$n \equiv 1, 4641, 15457, 16849, 22737, 24129, 34945, \text{ or } 39585 \pmod{42224}$ except $n = 4641, 15457, 16849$
116	92	$n \equiv 1, 12673, 18561, \text{ or } 36801 \pmod{42688}$ except $n = 12673, 18561$
116	93	$n \equiv 1, 465, 9889, 14385, 23809, 24273, 29233, \text{ or } 38193 \pmod{43152}$ except $n = 465, 9889, 14385$
116	94	$n \equiv 1, 3713, 33089, \text{ or } 36801 \pmod{43616}$ except $n = 3713$
116	95	$n \equiv 1, 9425, 12065, 18241, 20881, 30305, 35265, \text{ or } 39121 \pmod{44080}$ except $n = 9425, 12065, 18241, 20881$
116	96	$n \equiv 1, 1537, 29697, \text{ or } 31233 \pmod{44544}$ except $n = 1537$
116	97	$n \equiv 1, 14065, 17169, \text{ or } 41905 \pmod{45008}$ except $n = 14065, 17169$
116	98	$n \equiv 1, 7105, 21953, \text{ or } 30625 \pmod{45472}$ except $n = 7105, 21953$

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Table 115: Superspectra for  $p = 116$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
116	99	$n \equiv 1, 7425, 7569, 12529, 12673, 20097, 25201, \text{ or } 40833 \pmod{45936}$ except $n = 7425, 7569, 12529, 12673, 20097$
116	100	$n \equiv 1, 7425, 36801, \text{ or } 44225 \pmod{46400}$ except $n = 7425$
116	101	$n \equiv 1, 2929, 17777, \text{ or } 32017 \pmod{46864}$ except $n = 2929, 17777$
116	102	$n \equiv 1, 4641, 15777, 18241, 29377, 34017, 36193, \text{ or } 45153 \pmod{47328}$ except $n = 4641, 15777, 18241$
116	103	$n \equiv 1, 8961, 9889, \text{ or } 46865 \pmod{47792}$ except $n = 8961, 9889$
116	104	$n \equiv 1, 27521, 34945, \text{ or } 40833 \pmod{48256}$
116	105	$n \equiv 1, 4641, 7105, 8961, 9745, 14385, 18705, 20881, 25201,$ $29841, 30625, 32481, 34945, 39585, 42225, \text{ or } 46081 \pmod{48720}$ except $n = 4641, 7105, 8961, 9745, 14385, 18705, 20881$
116	106	$n \equiv 1, 1537, 3393, \text{ or } 47329 \pmod{49184}$ except $n = 1537, 3393$
116	107	$n \equiv 1, 46545, 47937, \text{ or } 48257 \pmod{49648}$
116	108	$n \equiv 1, 7425, 29377, \text{ or } 36801 \pmod{50112}$ except $n = 7425$
116	109	$n \equiv 1, 12209, 16241, \text{ or } 28449 \pmod{50576}$ except $n = 12209, 16241$
116	110	$n \equiv 1, 2465, 7425, 22881, 27841, 30305, 30625, \text{ or } 50721 \pmod{51040}$ except $n = 2465, 7425, 22881$
116	111	$n \equiv 1, 7105, 11137, 17169, 18241, 24273, 28305, \text{ or } 35409 \pmod{51504}$ except $n = 7105, 11137, 17169, 18241, 24273$
116	112	$n \equiv 1, 8961, 37121, \text{ or } 46081 \pmod{51968}$ except $n = 8961$
116	113	$n \equiv 1, 16385, 21809, \text{ or } 47009 \pmod{52432}$ except $n = 16385, 21809$
116	114	$n \equiv 1, 609, 12673, 18241, 29697, 35265, 47329, \text{ or } 47937 \pmod{52896}$ except $n = 609, 12673, 18241$
116	115	$n \equiv 1, 2001, 4785, 18561, 21345, 23345, 36801, \text{ or } 39905 \pmod{53360}$ except $n = 2001, 4785, 18561, 21345, 23345$
116	116	$n \equiv 1 \text{ or } 47937 \pmod{53824}$
116	117	$n \equiv 1, 3393, 16705, 16849, 24129, 33553, 40833, \text{ or } 40977 \pmod{54288}$ except $n = 3393, 16705, 16849, 24129$

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Table 115: Superspectra for  $p = 116$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
116	118	$n \equiv 1, 25665, 35873, \text{ or } 44545 \pmod{54752}$ except $n = 25665$
116	119	$n \equiv 1, 2465, 4641, 5713, 7889, 10353, 13601, \text{ or } 51969 \pmod{55216}$ except $n = 2465, 4641, 5713, 7889, 10353, 13601$
116	120	$n \equiv 1, 7425, 8961, 18561, 34945, 44545, 46081, \text{ or } 53505 \pmod{55680}$ except $n = 7425, 8961, 18561$
116	121	$n \equiv 1, 45617, 48401, \text{ or } 53361 \pmod{56144}$
116	122	$n \equiv 1, 12993, 31233, \text{ or } 44225 \pmod{56608}$ except $n = 12993$
116	123	$n \equiv 1, 10209, 15457, 24273, 29233, 38049, 43297, \text{ or } 53505 \pmod{57072}$ except $n = 10209, 15457, 24273$
116	124	$n \equiv 1, 14849, 23809, \text{ or } 38657 \pmod{57536}$ except $n = 14849, 23809$
116	125	$n \equiv 1, 2001, 30625, \text{ or } 32625 \pmod{58000}$ except $n = 2001$
116	126	$n \equiv 1, 20097, 24129, 28449, 32481, 46081, 50113, \text{ or } 54433 \pmod{58464}$ except $n = 20097, 24129, 28449$
116	127	$n \equiv 1, 12065, 28449, \text{ or } 40513 \pmod{58928}$ except $n = 12065, 28449$
116	128	$n \equiv 1 \text{ or } 16385 \pmod{59392}$ except $n = 16385$

Table 116: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 117$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	2	$n \equiv 1, 585, 729, \text{ or } 793 \pmod{936}$
117	3	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{1404}$ except $n = 325$
117	4	$n \equiv 1, 1521, 1665, \text{ or } 1729 \pmod{1872}$
117	5	$n \equiv 1, 261, 325, 585, 1261, 1405, 1521, \text{ or } 1665 \pmod{2340}$ except $n = 261, 325, 585$
117	6	$n \equiv 1, 729, 1729, \text{ or } 2457 \pmod{2808}$ except $n = 729$

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Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	7	$n \equiv 1, 469, 729, 1197, 1261, 1729, 1989, \text{ or } 2457 \pmod{3276}$ except $n = 469, 729, 1197, 1261$
117	8	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{3744}$ except $n = 1665, 1729$
117	9	$n \equiv 1, 325, 729, \text{ or } 1053 \pmod{4212}$ except $n = 325, 729, 1053$
117	10	$n \equiv 1, 585, 1521, 1665, 2601, 2665, 3601, \text{ or } 3745 \pmod{4680}$ except $n = 585, 1521, 1665$
117	11	$n \equiv 1, 793, 3069, 3861, 4005, 4213, 4797, \text{ or } 5005 \pmod{5148}$ except $n = 793$
117	12	$n \equiv 1, 1729, 3537, \text{ or } 5265 \pmod{5616}$ except $n = 1729$
117	13	$n \equiv 1, 1521, 2197, \text{ or } 5409 \pmod{6084}$ except $n = 1521, 2197$
117	14	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
117	15	$n \equiv 1, 325, 1405, 3861, 4941, 5265, 5941, \text{ or } 6345 \pmod{7020}$ except $n = 325, 1405$
117	16	$n \equiv 1, 1665, 1729, \text{ or } 3393 \pmod{7488}$ except $n = 1665, 1729, 3393$
117	17	$n \equiv 1, 1989, 2601, 2925, 3537, 6409, 7021, \text{ or } 7345 \pmod{7956}$ except $n = 1989, 2601, 2925, 3537$
117	18	$n \equiv 1, 729, 4537, \text{ or } 5265 \pmod{8424}$ except $n = 729$
117	19	$n \equiv 1, 1197, 1521, 1729, 4941, 5149, 5473, \text{ or } 6669 \pmod{8892}$ except $n = 1197, 1521, 1729$
117	20	$n \equiv 1, 1521, 1665, 3601, 3745, 5265, 7281, \text{ or } 7345 \pmod{9360}$ except $n = 1521, 1665, 3601, 3745$
117	21	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 7021, \text{ or } 7749 \pmod{9828}$ except $n = 729, 1729, 2457, 4537$
117	22	$n \equiv 1, 793, 8217, 9009, 9153, 9361, 9945, \text{ or } 10153 \pmod{10296}$ except $n = 793$
117	23	$n \equiv 1, 1197, 6877, 8073, 8281, 9361, 9477, \text{ or } 10557 \pmod{10764}$ except $n = 1197$

*continued on next page*

Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	24	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{11232}$ except $n = 1729$
117	25	$n \equiv 1, 325, 2601, 2925, 3601, 6201, 8425, \text{ or } 11025 \pmod{11700}$ except $n = 325, 2601, 2925, 3601$
117	26	$n \equiv 1, 1521, 5409, \text{ or } 8281 \pmod{12168}$ except $n = 1521, 5409$
117	27	$n \equiv 1, 729, 8749, \text{ or } 9477 \pmod{12636}$ except $n = 729$
117	28	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
117	29	$n \equiv 1, 117, 261, 3133, 3277, 3393, 6409, \text{ or } 10557 \pmod{13572}$ except $n = 117, 261, 3133, 3277, 3393, 6409$
117	30	$n \equiv 1, 5265, 6345, 7345, 8425, 10881, 11961, \text{ or } 12961 \pmod{14040}$ except $n = 5265, 6345$
117	31	$n \equiv 1, 3069, 4681, 6201, 7813, 10881, 12493, \text{ or } 12897 \pmod{14508}$ except $n = 3069, 4681, 6201$
117	32	$n \equiv 1, 1665, 9217, \text{ or } 10881 \pmod{14976}$ except $n = 1665$
117	33	$n \equiv 1, 3861, 4213, 5941, 9153, 10153, 13365, \text{ or } 15093 \pmod{15444}$ except $n = 3861, 4213, 5941$
117	34	$n \equiv 1, 2601, 3537, 6409, 7345, 9945, 10881, \text{ or } 14977 \pmod{15912}$ except $n = 2601, 3537, 6409, 7345$
117	35	$n \equiv 1, 1261, 3745, 4005, 5005, 5265, 7021, 7281, 8281,$ $8541, 11025, 12285, 13105, 14301, 14365, \text{ or } 15561 \pmod{16380}$ except $n = 1261, 3745, 4005, 5005, 5265, 7021, 7281$
117	36	$n \equiv 1, 5265, 9153, \text{ or } 12961 \pmod{16848}$ except $n = 5265$
117	37	$n \equiv 1, 1665, 2665, 4329, 9361, 9621, 12025, \text{ or } 12285 \pmod{17316}$ except $n = 1665, 2665, 4329$
117	38	$n \equiv 1, 1521, 1729, 5473, 10089, 13833, 14041, \text{ or } 15561 \pmod{17784}$ except $n = 1521, 1729, 5473$
117	39	$n \equiv 1, 13689, 14365, \text{ or } 17577 \pmod{18252}$
117	40	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$

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Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	41	$n \equiv 1, 2133, 2665, 4797, 5617, 7749, 16237, \text{ or } 18369 \pmod{19188}$ except $n = 2133, 2665, 4797, 5617, 7749$
117	42	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 16849, \text{ or } 17577 \pmod{19656}$ except $n = 729, 1729, 2457, 4537, 5265$
117	43	$n \equiv 1, 2925, 4473, 10621, 12169, 15093, 16641, \text{ or } 18577 \pmod{20124}$ except $n = 2925, 4473$
117	44	$n \equiv 1, 9009, 9153, 9361, 11089, 18513, 20241, \text{ or } 20449 \pmod{20592}$ except $n = 9009, 9153, 9361$
117	45	$n \equiv 1, 325, 4941, 5265, 8425, 12961, 13365, \text{ or } 17901 \pmod{21060}$ except $n = 325, 4941, 5265, 8425$
117	46	$n \equiv 1, 8073, 8281, 9361, 11961, 17641, 20241, \text{ or } 21321 \pmod{21528}$ except $n = 8073, 8281, 9361$
117	47	$n \equiv 1, 5265, 6345, 10153, 11233, 16497, 17109, \text{ or } 21385 \pmod{21996}$ except $n = 5265, 6345, 10153$
117	48	$n \equiv 1, 1729, 9153, \text{ or } 10881 \pmod{22464}$ except $n = 1729, 9153, 10881$
117	49	$n \equiv 1, 5733, 8281, 11025, 13573, 15093, 17641, \text{ or } 20385 \pmod{22932}$ except $n = 5733, 8281, 11025$
117	50	$n \equiv 1, 2601, 3601, 6201, 8425, 11025, 12025, \text{ or } 14625 \pmod{23400}$ except $n = 2601, 3601, 6201, 8425, 11025$
117	51	$n \equiv 1, 3537, 7021, 7345, 10557, 10881, 14365, \text{ or } 17901 \pmod{23868}$ except $n = 3537, 7021, 7345, 10557, 10881$
117	52	$n \equiv 1, 1521, 5409, \text{ or } 20449 \pmod{24336}$ except $n = 1521, 5409$
117	53	$n \equiv 1, 2809, 3393, 6201, 11025, 13833, 17173, \text{ or } 19981 \pmod{24804}$ except $n = 2809, 3393, 6201, 11025$
117	54	$n \equiv 1, 729, 21385, \text{ or } 22113 \pmod{25272}$ except $n = 729$
117	55	$n \equiv 1, 3861, 4005, 5005, 5941, 9361, 9945, 13365, 14301,$ $15301, 15445, 19305, 20241, 21385, 23661, \text{ or } 24805 \pmod{25740}$ except $n = 3861, 4005, 5005, 5941, 9361, 9945$

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Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	56	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
117	57	$n \equiv 1, 1729, 4941, 6669, 14041, 14365, 18981, \text{ or } 19305 \pmod{26676}$ except $n = 1729, 4941, 6669$
117	58	$n \equiv 1, 3393, 6409, 13689, 13833, 16705, 16849, \text{ or } 24129 \pmod{27144}$ except $n = 3393, 6409$
117	59	$n \equiv 1, 3069, 7021, 10089, 10621, 13689, 17641, \text{ or } 20709 \pmod{27612}$ except $n = 3069, 7021, 10089, 10621, 13689$
117	60	$n \equiv 1, 5265, 7345, 10881, 12961, 20385, 22465, \text{ or } 26001 \pmod{28080}$ except $n = 5265, 7345, 10881, 12961$
117	61	$n \equiv 1, 793, 2197, 4941, 6345, 7137, 8541, \text{ or } 27145 \pmod{28548}$ except $n = 793, 2197, 4941, 6345, 7137, 8541$
117	62	$n \equiv 1, 4681, 6201, 10881, 12897, 17577, 22321, \text{ or } 27001 \pmod{29016}$ except $n = 4681, 6201, 10881, 12897$
117	63	$n \equiv 1, 729, 4537, 5265, 16849, 17577, 21385, \text{ or } 22113 \pmod{29484}$ except $n = 729, 4537, 5265$
117	64	$n \equiv 1, 9217, 16641, \text{ or } 25857 \pmod{29952}$ except $n = 9217$
117	65	$n \equiv 1, 1521, 6085, 7605, 8281, 14365, 23661, \text{ or } 29745 \pmod{30420}$ except $n = 1521, 6085, 7605, 8281, 14365$
117	66	$n \equiv 1, 9153, 10153, 19305, 19657, 21385, 28809, \text{ or } 30537 \pmod{30888}$ except $n = 9153, 10153$
117	67	$n \equiv 1, 469, 23049, 23517, 26533, 27001, 27873, \text{ or } 28341 \pmod{31356}$ except $n = 469$
117	68	$n \equiv 1, 3537, 7345, 10881, 14977, 18513, 22321, \text{ or } 25857 \pmod{31824}$ except $n = 3537, 7345, 10881, 14977$
117	69	$n \equiv 1, 8073, 9477, 10557, 11961, 28405, 29809, \text{ or } 30889 \pmod{32292}$ except $n = 8073, 9477, 10557, 11961$

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Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	70	$n \equiv 1, 3745, 5265, 7281, 8281, 11025, 13105, 15561, 17641,$ $20385, 21385, 23401, 24921, 28665, 30681, \text{ or } 30745 \pmod{32760}$ except $n = 3745, 5265, 7281, 8281, 11025, 13105, 15561$
117	71	$n \equiv 1, 1989, 4473, 10153, 14769, 20449, 22933, \text{ or } 24921 \pmod{33228}$ except $n = 1989, 4473, 10153, 14769$
117	72	$n \equiv 1, 9153, 12961, \text{ or } 22113 \pmod{33696}$ except $n = 9153, 12961$
117	73	$n \equiv 1, 585, 7957, 8541, 15769, 18981, 23725, \text{ or } 26937 \pmod{34164}$ except $n = 585, 7957, 8541, 15769$
117	74	$n \equiv 1, 1665, 2665, 4329, 9361, 12025, 26937, \text{ or } 29601 \pmod{34632}$ except $n = 1665, 2665, 4329, 9361, 12025$
117	75	$n \equiv 1, 325, 8425, 17901, 26001, 26325, 27001, \text{ or } 34425 \pmod{35100}$ except $n = 325, 8425$
117	76	$n \equiv 1, 1521, 1729, 5473, 27873, 31617, 31825, \text{ or } 33345 \pmod{35568}$ except $n = 1521, 1729, 5473$
117	77	$n \equiv 1, 4005, 5005, 9009, 10297, 11089, 14301, 15093, 19657,$ $21385, 23661, 25389, 29953, 30745, 33957, \text{ or } 34749 \pmod{36036}$ except $n = 4005, 5005, 9009, 10297, 11089, 14301, 15093$
117	78	$n \equiv 1, 13689, 17577, \text{ or } 32617 \pmod{36504}$ except $n = 13689, 17577$
117	79	$n \equiv 1, 2133, 8217, 19513, 25597, 27729, 30889, \text{ or } 33813 \pmod{36972}$ except $n = 2133, 8217$
117	80	$n \equiv 1, 1665, 10881, 16641, 16705, 22465, 31681, \text{ or } 33345 \pmod{37440}$ except $n = 1665, 10881, 16641, 16705$
117	81	$n \equiv 1, 729, 8749, \text{ or } 9477 \pmod{37908}$ except $n = 729, 8749, 9477$
117	82	$n \equiv 1, 2665, 5617, 18369, 21321, 23985, 26937, \text{ or } 35425 \pmod{38376}$ except $n = 2665, 5617, 18369$
117	83	$n \equiv 1, 8217, 12285, 16849, 20917, 29133, 30213, \text{ or } 37765 \pmod{38844}$ except $n = 8217, 12285, 16849$
117	84	$n \equiv 1, 1729, 5265, 16849, 20385, 22113, 24193, \text{ or } 37233 \pmod{39312}$ except $n = 1729, 5265, 16849$

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Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	85	$n \equiv 1, 2601, 2925, 7021, 7345, 9945, 10881, 14365, 15301,$ $17901, 22321, 27405, 31825, 34425, 35361, \text{ or } 38845 \pmod{39780}$ except $n = 2601, 2925, 7021, 7345, 9945,$ $10881, 14365, 15301, 17901$
117	86	$n \equiv 1, 4473, 12169, 16641, 18577, 23049, 30745, \text{ or } 35217 \pmod{40248}$ except $n = 4473, 12169, 16641, 18577$
117	87	$n \equiv 1, 3133, 10557, 13689, 16849, 19981, 27405, \text{ or } 30537 \pmod{40716}$ except $n = 3133, 10557, 13689, 16849, 19981$
117	88	$n \equiv 1, 9153, 20449, 29601, 29953, 31681, 39105, \text{ or } 40833 \pmod{41184}$ except $n = 9153, 20449$
117	89	$n \equiv 1, 4005, 6409, 10413, 18513, 24921, 27145, \text{ or } 33553 \pmod{41652}$ except $n = 4005, 6409, 10413, 18513$
117	90	$n \equiv 1, 5265, 8425, 12961, 21385, 26001, 34425, \text{ or } 38961 \pmod{42120}$ except $n = 5265, 8425, 12961$
117	91	$n \equiv 1, 8281, 14365, 17577, 23661, 31941, 36505, \text{ or } 38025 \pmod{42588}$ except $n = 8281, 14365, 17577$
117	92	$n \equiv 1, 9361, 20241, 29601, 29809, 33489, 39169, \text{ or } 42849 \pmod{43056}$ except $n = 9361, 20241$
117	93	$n \equiv 1, 10881, 17577, 20709, 27001, 27405, 33697, \text{ or } 36829 \pmod{43524}$ except $n = 10881, 17577, 20709$
117	94	$n \equiv 1, 5265, 6345, 10153, 11233, 16497, 21385, \text{ or } 39105 \pmod{43992}$ except $n = 5265, 6345, 10153, 11233, 16497, 21385$
117	95	$n \equiv 1, 1521, 4941, 10621, 14041, 14365, 15561, 17785, 18981,$ $19305, 22725, 28405, 31825, 33345, 36765, \text{ or } 41041 \pmod{44460}$ except $n = 1521, 4941, 10621, 14041, 14365,$ $15561, 17785, 18981, 19305$
117	96	$n \equiv 1, 10881, 24193, \text{ or } 31617 \pmod{44928}$ except $n = 10881$
117	97	$n \equiv 1, 1261, 10089, 11349, 18721, 27937, 28809, \text{ or } 38025 \pmod{45396}$ except $n = 1261, 10089, 11349, 18721$

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Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	98	$n \equiv 1, 8281, 11025, 17641, 20385, 28665, 36505, \text{ or } 38025 \pmod{45864}$ except $n = 8281, 11025, 17641, 20385$
117	99	$n \equiv 1, 4213, 9153, 13365, 21385, 25597, 30537, \text{ or } 34749 \pmod{46332}$ except $n = 4213, 9153, 13365, 21385$
117	100	$n \equiv 1, 3601, 11025, 14625, 26001, 29601, 31825, \text{ or } 35425 \pmod{46800}$ except $n = 3601, 11025, 14625$
117	101	$n \equiv 1, 11817, 22321, 22725, 25857, 33229, 36361, \text{ or } 36765 \pmod{47268}$ except $n = 11817, 22321, 22725$
117	102	$n \equiv 1, 3537, 7345, 10881, 30889, 34425, 38233, \text{ or } 41769 \pmod{47736}$ except $n = 3537, 7345, 10881$
117	103	$n \equiv 1, 9477, 14833, 21321, 26677, 36153, 41509, \text{ or } 42849 \pmod{48204}$ except $n = 9477, 14833, 21321$
117	104	$n \equiv 1, 5409, 20449, \text{ or } 25857 \pmod{48672}$ except $n = 5409, 20449$
117	105	$n \equiv 1, 5265, 7021, 12285, 14365, 20385, 21385, 24921, 27405,$ $29485, 31941, 34021, 36505, 40041, 41041, \text{ or } 47061 \pmod{49140}$ except $n = 5265, 7021, 12285, 14365, 20385, 21385$
117	106	$n \equiv 1, 2809, 3393, 6201, 11025, 13833, 41977, \text{ or } 44785 \pmod{49608}$ except $n = 2809, 3393, 6201, 11025, 13833$
117	107	$n \equiv 1, 3745, 11557, 15301, 22257, 26001, 33813, \text{ or } 37557 \pmod{50076}$ except $n = 3745, 11557, 15301, 22257$
117	108	$n \equiv 1, 22113, 26001, \text{ or } 46657 \pmod{50544}$ except $n = 22113$
117	109	$n \equiv 1, 4797, 7957, 12753, 27469, 28341, 35425, \text{ or } 36297 \pmod{51012}$ except $n = 4797, 7957, 12753$
117	110	$n \equiv 1, 9361, 9945, 19305, 20241, 21385, 29601, 29745, 30745,$ $31681, 39105, 40041, 41041, 41185, 49401, \text{ or } 50545 \pmod{51480}$ except $n = 9361, 9945, 19305, 20241, 21385$
117	111	$n \equiv 1, 12285, 18981, 19981, 26677, 38961, 44253, \text{ or } 46657 \pmod{51948}$ except $n = 12285, 18981, 19981$

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Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	112	$n \equiv 1, 1729, 18369, 24129, 24193, 29953, 46593, \text{ or } 48321 \pmod{52416}$ except $n = 1729, 18369, 24129, 24193$
117	113	$n \equiv 1, 3277, 4069, 5877, 7345, 9153, 9945, \text{ or } 13221 \pmod{52884}$ except $n = 3277, 4069, 5877, 7345, 9153, 9945, 13221$
117	114	$n \equiv 1, 1729, 14041, 19305, 31617, 33345, 41041, \text{ or } 45657 \pmod{53352}$ except $n = 1729, 14041, 19305$
117	115	$n \equiv 1, 8281, 9361, 10765, 11961, 17641, 19045, 20125, 20241,$ $21321, 22725, 28405, 29601, 31005, 32085, \text{ or } 40365 \pmod{53820}$ except $n = 8281, 9361, 10765, 11961, 17641,$ $19045, 20125, 20241, 21321, 22725$
117	116	$n \equiv 1, 3393, 16705, 16849, 24129, 33553, 40833, \text{ or } 40977 \pmod{54288}$ except $n = 3393, 16705, 16849, 24129$
117	117	$n \equiv 1, 13689, 17577, \text{ or } 50869 \pmod{54756}$ except $n = 13689, 17577$
117	118	$n \equiv 1, 10089, 13689, 17641, 30681, 34633, 38233, \text{ or } 48321 \pmod{55224}$ except $n = 10089, 13689, 17641$
117	119	$n \equiv 1, 1989, 7021, 10557, 14365, 18837, 22933, 27405, 31213,$ $34749, 39781, 41769, 43317, 47125, 50337, \text{ or } 54145 \pmod{55692}$ except $n = 1989, 7021, 10557, 14365, 18837, 22933, 27405$
117	120	$n \equiv 1, 10881, 12961, 20385, 22465, 33345, 35425, \text{ or } 54081 \pmod{56160}$ except $n = 10881, 12961, 20385, 22465$
117	121	$n \equiv 1, 14157, 18513, 20449, 24805, 45981, 50337, \text{ or } 52273 \pmod{56628}$ except $n = 14157, 18513, 20449, 24805$
117	122	$n \equiv 1, 793, 6345, 7137, 27145, 30745, 33489, \text{ or } 37089 \pmod{57096}$ except $n = 793, 6345, 7137, 27145$
117	123	$n \equiv 1, 2133, 5617, 7749, 35425, 37557, 41041, \text{ or } 43173 \pmod{57564}$ except $n = 2133, 5617, 7749$
117	124	$n \equiv 1, 10881, 12897, 22321, 33697, 35217, 46593, \text{ or } 56017 \pmod{58032}$ except $n = 10881, 12897, 22321$
117	125	$n \equiv 1, 14625, 20125, 26001, 27001, 46125, 47125, \text{ or } 53001 \pmod{58500}$ except $n = 14625, 20125, 26001, 27001$

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Table 116: Superspectra for  $p = 117$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
117	126	$n \equiv 1, 729, 4537, 5265, 16849, 17577, 21385, \text{ or } 22113 \pmod{58968}$ except $n = 729, 4537, 5265, 16849, 17577, 21385, 22113$
117	127	$n \equiv 1, 11557, 19305, 25273, 33021, 44577, 45721, \text{ or } 58293 \pmod{59436}$ except $n = 11557, 19305, 25273$
117	128	$n \equiv 1, 9217, 46593, \text{ or } 55809 \pmod{59904}$ except $n = 9217$

Table 117: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 118$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
118	2	$n \equiv 1 \text{ or } 177 \pmod{944}$ except $n = 177$
118	3	$n \equiv 1, 177, 649, \text{ or } 945 \pmod{1416}$ except $n = 177, 649$
118	4	$n \equiv 1 \text{ or } 1121 \pmod{1888}$
118	5	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{2360}$ except $n = 945, 1121$
118	6	$n \equiv 1, 177, 945, \text{ or } 2065 \pmod{2832}$ except $n = 177, 945$
118	7	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{3304}$ except $n = 945, 1121$
118	8	$n \equiv 1 \text{ or } 3009 \pmod{3776}$
118	9	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{4248}$ except $n = 649, 945, 1593$
118	10	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{4720}$ except $n = 945, 1121, 2065$
118	11	$n \equiv 1, 177, 473, \text{ or } 649 \pmod{5192}$ except $n = 177, 473, 649$
118	12	$n \equiv 1, 3009, 3777, \text{ or } 4897 \pmod{5664}$
118	13	$n \equiv 1, 1417, 3953, \text{ or } 5369 \pmod{6136}$ except $n = 1417$
118	14	$n \equiv 1, 945, 1121, \text{ or } 2065 \pmod{6608}$ except $n = 945, 1121, 2065$
118	15	$n \equiv 1, 945, 2065, 2361, 3481, 4425, 5665, \text{ or } 5841 \pmod{7080}$ except $n = 945, 2065, 2361, 3481$
118	16	$n \equiv 1 \text{ or } 6785 \pmod{7552}$

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Table 117: Superspectra for  $p = 118$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
118	17	$n \equiv 1, 3009, 4897, \text{ or } 6137 \pmod{8024}$ except $n = 3009$
118	18	$n \equiv 1, 945, 4897, \text{ or } 5841 \pmod{8496}$ except $n = 945$
118	19	$n \equiv 1, 1121, 3953, \text{ or } 6137 \pmod{8968}$ except $n = 1121, 3953$
118	20	$n \equiv 1, 1121, 5665, \text{ or } 6785 \pmod{9440}$ except $n = 1121$
118	21	$n \equiv 1, 945, 2065, 4249, 4425, 6609, 7729, \text{ or } 8673 \pmod{9912}$ except $n = 945, 2065, 4249, 4425$
118	22	$n \equiv 1, 177, 5665, \text{ or } 5841 \pmod{10384}$ except $n = 177$
118	23	$n \equiv 1, 6785, 7729, \text{ or } 9913 \pmod{10856}$
118	24	$n \equiv 1, 3009, 3777, \text{ or } 10561 \pmod{11328}$ except $n = 3009, 3777$
118	25	$n \equiv 1, 4425, 8025, \text{ or } 8201 \pmod{11800}$ except $n = 4425$
118	26	$n \equiv 1, 3953, 7553, \text{ or } 11505 \pmod{12272}$ except $n = 3953$
118	27	$n \equiv 1, 649, 945, \text{ or } 1593 \pmod{12744}$ except $n = 649, 945, 1593$
118	28	$n \equiv 1, 1121, 7553, \text{ or } 8673 \pmod{13216}$ except $n = 1121$
118	29	$n \equiv 1, 3481, 8497, \text{ or } 11977 \pmod{13688}$ except $n = 3481$
118	30	$n \equiv 1, 945, 2065, 5665, 5841, 9441, 10561, \text{ or } 11505 \pmod{14160}$ except $n = 945, 2065, 5665, 5841$
118	31	$n \equiv 1, 9145, 10385, \text{ or } 13393 \pmod{14632}$
118	32	$n \equiv 1 \text{ or } 14337 \pmod{15104}$
118	33	$n \equiv 1, 177, 649, 5193, 5665, 5841, 10561, \text{ or } 10857 \pmod{15576}$ except $n = 177, 649, 5193, 5665, 5841$
118	34	$n \equiv 1, 3009, 4897, \text{ or } 14161 \pmod{16048}$ except $n = 3009, 4897$
118	35	$n \equiv 1, 945, 1121, 2065, 3305, 4425, 14161, \text{ or } 15281 \pmod{16520}$ except $n = 945, 1121, 2065, 3305, 4425$
118	36	$n \equiv 1, 4897, 9441, \text{ or } 14337 \pmod{16992}$ except $n = 4897$
118	37	$n \equiv 1, 15281, 15577, \text{ or } 17169 \pmod{17464}$
118	38	$n \equiv 1, 1121, 3953, \text{ or } 15105 \pmod{17936}$ except $n = 1121, 3953$

*continued on next page*



Table 117: Superspectra for  $p = 118$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
118	39	$n \equiv 1, 1417, 10089, 11505, 12273, 13689, 16225, \text{ or } 17641 \pmod{18408}$ except $n = 1417$
118	40	$n \equiv 1, 6785, 10561, \text{ or } 15105 \pmod{18880}$ except $n = 6785$
118	41	$n \equiv 1, 7257, 8201, \text{ or } 18409 \pmod{19352}$ except $n = 7257, 8201$
118	42	$n \equiv 1, 945, 2065, 6609, 7729, 8673, 14161, \text{ or } 14337 \pmod{19824}$ except $n = 945, 2065, 6609, 7729, 8673$
118	43	$n \equiv 1, 473, 2065, \text{ or } 2537 \pmod{20296}$ except $n = 473, 2065, 2537$
118	44	$n \equiv 1, 5665, 10561, \text{ or } 16225 \pmod{20768}$ except $n = 5665$
118	45	$n \equiv 1, 945, 5841, 9145, 9441, 12745, 17641, \text{ or } 18585 \pmod{21240}$ except $n = 945, 5841, 9145, 9441$
118	46	$n \equiv 1, 6785, 7729, \text{ or } 20769 \pmod{21712}$ except $n = 6785, 7729$
118	47	$n \equiv 1, 3009, 10857, \text{ or } 13865 \pmod{22184}$ except $n = 3009, 10857$
118	48	$n \equiv 1, 14337, 15105, \text{ or } 21889 \pmod{22656}$
118	49	$n \equiv 1, 8673, 14161, \text{ or } 17641 \pmod{23128}$ except $n = 8673$
118	50	$n \equiv 1, 16225, 19825, \text{ or } 20001 \pmod{23600}$
118	51	$n \equiv 1, 3009, 4897, 8025, 12921, 14161, 19057, \text{ or } 22185 \pmod{24072}$ except $n = 3009, 4897, 8025$
118	52	$n \equiv 1, 7553, 16225, \text{ or } 23777 \pmod{24544}$ except $n = 7553$
118	53	$n \equiv 1, 6785, 15105, \text{ or } 21889 \pmod{25016}$ except $n = 6785$
118	54	$n \equiv 1, 945, 13393, \text{ or } 14337 \pmod{25488}$ except $n = 945$
118	55	$n \equiv 1, 5665, 5841, 10385, 10561, 16225, 20945, \text{ or } 21241 \pmod{25960}$ except $n = 5665, 5841, 10385, 10561$
118	56	$n \equiv 1, 7553, 14337, \text{ or } 21889 \pmod{26432}$ except $n = 7553$
118	57	$n \equiv 1, 10089, 12921, 15105, 17937, 19057, 21889, \text{ or } 24073 \pmod{26904}$ except $n = 10089, 12921$
118	58	$n \equiv 1, 8497, 17169, \text{ or } 25665 \pmod{27376}$ except $n = 8497$
118	59	$n \equiv 1 \text{ or } 3481 \pmod{27848}$ except $n = 3481$

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Table 117: Superspectra for  $p = 118$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
118	60	$n \equiv 1, 5665, 9441, 10561, 15105, 16225, 20001, \text{ or } 25665 \pmod{28320}$ except $n = 5665, 9441, 10561$
118	61	$n \equiv 1, 5369, 19825, \text{ or } 25193 \pmod{28792}$ except $n = 5369$
118	62	$n \equiv 1, 10385, 13393, \text{ or } 23777 \pmod{29264}$ except $n = 10385, 13393$
118	63	$n \equiv 1, 945, 4249, 14337, 17641, 18585, 21889, \text{ or } 26433 \pmod{29736}$ except $n = 945, 4249, 14337$
118	64	$n \equiv 1 \text{ or } 14337 \pmod{30208}$ except $n = 14337$
118	65	$n \equiv 1, 11505, 16225, 17641, 19825, 22361, 24545, \text{ or } 25961 \pmod{30680}$ except $n = 11505$
118	66	$n \equiv 1, 177, 5665, 5841, 10561, 16225, 20769, \text{ or } 26433 \pmod{31152}$ except $n = 177, 5665, 5841, 10561$
118	67	$n \equiv 1, 3953, 10385, \text{ or } 25193 \pmod{31624}$ except $n = 3953, 10385$
118	68	$n \equiv 1, 3009, 4897, \text{ or } 30209 \pmod{32096}$ except $n = 3009, 4897$
118	69	$n \equiv 1, 7729, 9913, 10857, 17641, 18585, 20769, \text{ or } 28497 \pmod{32568}$ except $n = 7729, 9913, 10857$
118	70	$n \equiv 1, 945, 1121, 2065, 14161, 15281, 19825, \text{ or } 20945 \pmod{33040}$ except $n = 945, 1121, 2065, 14161, 15281$
118	71	$n \equiv 1, 20945, 25489, \text{ or } 28969 \pmod{33512}$
118	72	$n \equiv 1, 14337, 21889, \text{ or } 26433 \pmod{33984}$ except $n = 14337$
118	73	$n \equiv 1, 5841, 7081, \text{ or } 12921 \pmod{34456}$ except $n = 5841, 7081, 12921$
118	74	$n \equiv 1, 15281, 17169, \text{ or } 33041 \pmod{34928}$ except $n = 15281, 17169$
118	75	$n \equiv 1, 4425, 8025, 16225, 19825, 20001, 23601, \text{ or } 31801 \pmod{35400}$ except $n = 4425, 8025, 16225$
118	76	$n \equiv 1, 1121, 15105, \text{ or } 21889 \pmod{35872}$ except $n = 1121, 15105$
118	77	$n \equiv 1, 5369, 10857, 11033, 20769, 20945, 26433, \text{ or } 31801 \pmod{36344}$ except $n = 5369, 10857, 11033$
118	78	$n \equiv 1, 11505, 12273, 16225, 19825, 28497, 32097, \text{ or } 36049 \pmod{36816}$ except $n = 11505, 12273, 16225$

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Table 117: Superspectra for  $p = 118$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
118	79	$n \equiv 1, 4425, 18881, \text{ or } 23305 \pmod{37288}$ except $n = 4425$
118	80	$n \equiv 1, 6785, 15105, \text{ or } 29441 \pmod{37760}$ except $n = 6785, 15105$
118	81	$n \equiv 1, 649, 13689, \text{ or } 14337 \pmod{38232}$ except $n = 649, 13689, 14337$
118	82	$n \equiv 1, 26609, 27553, \text{ or } 37761 \pmod{38704}$
118	83	$n \equiv 1, 4897, 7553, \text{ or } 36521 \pmod{39176}$ except $n = 4897, 7553$
118	84	$n \equiv 1, 8673, 14337, 20769, 21889, 26433, 27553, \text{ or } 33985 \pmod{39648}$ except $n = 8673, 14337$
118	85	$n \equiv 1, 8025, 12921, 14161, 20945, 22185, 27081, \text{ or } 35105 \pmod{40120}$ except $n = 8025, 12921, 14161$
118	86	$n \equiv 1, 2065, 20769, \text{ or } 22833 \pmod{40592}$ except $n = 2065$
118	87	$n \equiv 1, 3481, 8497, 11977, 13689, 17169, 22185, \text{ or } 25665 \pmod{41064}$ except $n = 3481, 8497, 11977, 13689, 17169$
118	88	$n \equiv 1, 10561, 26433, \text{ or } 36993 \pmod{41536}$ except $n = 10561$
118	89	$n \equiv 1, 15753, 26433, \text{ or } 31329 \pmod{42008}$ except $n = 15753$
118	90	$n \equiv 1, 945, 5841, 9441, 30385, 33985, 38881, \text{ or } 39825 \pmod{42480}$ except $n = 945, 5841, 9441$
118	91	$n \equiv 1, 5369, 7553, 17641, 19825, 28497, 30681, \text{ or } 40769 \pmod{42952}$ except $n = 5369, 7553, 17641, 19825$
118	92	$n \equiv 1, 6785, 20769, \text{ or } 29441 \pmod{43424}$ except $n = 6785, 20769$
118	93	$n \equiv 1, 9145, 13393, 25017, 29265, 38409, 39649, \text{ or } 42657 \pmod{43896}$ except $n = 9145, 13393$
118	94	$n \equiv 1, 3009, 33041, \text{ or } 36049 \pmod{44368}$ except $n = 3009$
118	95	$n \equiv 1, 1121, 12921, 15105, 26905, 28025, 33041, \text{ or } 39825 \pmod{44840}$ except $n = 1121, 12921, 15105$
118	96	$n \equiv 1, 14337, 15105, \text{ or } 44545 \pmod{45312}$ except $n = 14337, 15105$
118	97	$n \equiv 1, 7081, 10089, \text{ or } 17169 \pmod{45784}$ except $n = 7081, 10089, 17169$
118	98	$n \equiv 1, 8673, 14161, \text{ or } 40769 \pmod{46256}$ except $n = 8673, 14161$

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Table 117: Superspectra for  $p = 118$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
118	99	$n \equiv 1, 649, 5193, 5841, 21241, 26137, 26433, \text{ or } 31329 \pmod{46728}$ except $n = 649, 5193, 5841, 21241$
118	100	$n \equiv 1, 16225, 20001, \text{ or } 43425 \pmod{47200}$ except $n = 16225, 20001$
118	101	$n \equiv 1, 18585, 23129, \text{ or } 41713 \pmod{47672}$ except $n = 18585, 23129$
118	102	$n \equiv 1, 3009, 4897, 14161, 19057, 32097, 36993, \text{ or } 46257 \pmod{48144}$ except $n = 3009, 4897, 14161, 19057$
118	103	$n \equiv 1, 5665, 24721, \text{ or } 30385 \pmod{48616}$ except $n = 5665$
118	104	$n \equiv 1, 7553, 40769, \text{ or } 48321 \pmod{49088}$ except $n = 7553$
118	105	$n \equiv 1, 945, 2065, 4425, 14161, 16521, 17641, 18585, 19825,$ $30681, 31801, 33985, 34161, 36345, 37465, \text{ or } 48321 \pmod{49560}$ except $n = 945, 2065, 4425, 14161, 16521, 17641, 18585, 19825$
118	106	$n \equiv 1, 6785, 15105, \text{ or } 21889 \pmod{50032}$ except $n = 6785, 15105, 21889$
118	107	$n \equiv 1, 6313, 8025, \text{ or } 48793 \pmod{50504}$ except $n = 6313, 8025$
118	108	$n \equiv 1, 14337, 26433, \text{ or } 38881 \pmod{50976}$ except $n = 14337$
118	109	$n \equiv 1, 1417, 43601, \text{ or } 45017 \pmod{51448}$ except $n = 1417$
118	110	$n \equiv 1, 5665, 5841, 10385, 10561, 16225, 20945, \text{ or } 47201 \pmod{51920}$ except $n = 5665, 5841, 10385, 10561, 16225, 20945$
118	111	$n \equiv 1, 15577, 17169, 32745, 34633, 34929, 50209, \text{ or } 50505 \pmod{52392}$ except $n = 15577, 17169$
118	112	$n \equiv 1, 7553, 14337, \text{ or } 21889 \pmod{52864}$ except $n = 7553, 14337, 21889$
118	113	$n \equiv 1, 20001, 28025, \text{ or } 45313 \pmod{53336}$ except $n = 20001$
118	114	$n \equiv 1, 15105, 17937, 19057, 21889, 36993, 39825, \text{ or } 50977 \pmod{53808}$ except $n = 15105, 17937, 19057, 21889$
118	115	$n \equiv 1, 6785, 17641, 18585, 29441, 31625, 42481, \text{ or } 43425 \pmod{54280}$ except $n = 6785, 17641, 18585$
118	116	$n \equiv 1, 25665, 35873, \text{ or } 44545 \pmod{54752}$ except $n = 25665$
118	117	$n \equiv 1, 10089, 13689, 17641, 30681, 34633, 38233, \text{ or } 48321 \pmod{55224}$ except $n = 10089, 13689, 17641$

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Table 117: Superspectra for  $p = 118$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
118	118	$n \equiv 1$ or $31329 \pmod{55696}$
118	119	$n \equiv 1, 11033, 14161, 20945, 24073, 35105, 45017, \text{ or } 46257 \pmod{56168}$ except $n = 11033, 14161, 20945, 24073$
118	120	$n \equiv 1, 10561, 15105, 25665, 33985, 37761, 44545, \text{ or } 48321 \pmod{56640}$ except $n = 10561, 15105, 25665$
118	121	$n \equiv 1, 21417, 26137, \text{ or } 52393 \pmod{57112}$ except $n = 21417, 26137$
118	122	$n \equiv 1, 19825, 34161, \text{ or } 53985 \pmod{57584}$ except $n = 19825$
118	123	$n \equiv 1, 7257, 18409, 19353, 27553, 37761, 45961, \text{ or } 46905 \pmod{58056}$ except $n = 7257, 18409, 19353, 27553$
118	124	$n \equiv 1, 23777, 39649, \text{ or } 42657 \pmod{58528}$ except $n = 23777$
118	125	$n \equiv 1, 20001, 31625, \text{ or } 51625 \pmod{59000}$ except $n = 20001$
118	126	$n \equiv 1, 945, 14337, 21889, 26433, 33985, 47377, \text{ or } 48321 \pmod{59472}$ except $n = 945, 14337, 21889, 26433$
118	127	$n \equiv 1, 9145, 28321, \text{ or } 37465 \pmod{59944}$ except $n = 9145, 28321$
118	128	$n \equiv 1$ or $14337 \pmod{60416}$ except $n = 14337$

Table 118: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 119$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	2	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{952}$ except $n = 273$
119	3	$n \equiv 1, 85, 273, 357, 477, 561, 1225, \text{ or } 1309 \pmod{1428}$ except $n = 85, 273, 357, 477, 561$
119	4	$n \equiv 1, 273, 561, \text{ or } 833 \pmod{1904}$ except $n = 273, 561, 833$
119	5	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, \text{ or } 2261 \pmod{2380}$ except $n = 85, 561$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	6	$n \equiv 1, 273, 561, 1225, 1513, 1785, 1905, \text{ or } 2737 \pmod{2856}$ except $n = 273, 561, 1225$
119	7	$n \equiv 1, 833, 1225, \text{ or } 2941 \pmod{3332}$ except $n = 833, 1225$
119	8	$n \equiv 1, 833, 2177, \text{ or } 2465 \pmod{3808}$ except $n = 833$
119	9	$n \equiv 1, 477, 1225, 1513, 1701, 1989, 2737, \text{ or } 3213 \pmod{4284}$ except $n = 477, 1225, 1513, 1701, 1989$
119	10	$n \equiv 1, 561, 1225, 1785, 1905, 2465, 4081, \text{ or } 4641 \pmod{4760}$ except $n = 561, 1225, 1785, 1905$
119	11	$n \equiv 1, 561, 749, 1309, 2465, 3213, 3333, \text{ or } 4081 \pmod{5236}$ except $n = 561, 749, 1309, 2465$
119	12	$n \equiv 1, 273, 561, 1905, 2737, 4081, 4369, \text{ or } 4641 \pmod{5712}$ except $n = 273, 561, 1905, 2737$
119	13	$n \equiv 1, 273, 833, 1989, 2653, 3809, 4369, \text{ or } 4641 \pmod{6188}$ except $n = 273, 833, 1989, 2653$
119	14	$n \equiv 1, 833, 1225, \text{ or } 6273 \pmod{6664}$ except $n = 833, 1225$
119	15	$n \equiv 1, 85, 561, 1225, 1701, 1785, 1905, 2941, 4081,$ $4165, 4285, 4641, 4761, 4845, 5985, \text{ or } 7021 \pmod{7140}$ except $n = 85, 561, 1225, 1701, 1785, 1905, 2941$
119	16	$n \equiv 1, 833, 2177, \text{ or } 6273 \pmod{7616}$ except $n = 833, 2177$
119	17	$n \equiv 1, 6069, 6937, \text{ or } 7225 \pmod{8092}$
119	18	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
119	19	$n \equiv 1, 2261, 2737, 4845, 5321, 5985, 6461, \text{ or } 8569 \pmod{9044}$ except $n = 2261, 2737$
119	20	$n \equiv 1, 561, 1905, 2465, 4081, 4641, 5985, \text{ or } 6545 \pmod{9520}$ except $n = 561, 1905, 2465, 4081, 4641$
119	21	$n \equiv 1, 1225, 2941, 3333, 4165, 4557, 6273, \text{ or } 7497 \pmod{9996}$ except $n = 1225, 2941, 3333, 4165, 4557$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	22	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 8449, \text{ or } 8569 \pmod{10472}$ except $n = 561, 2465, 4081$
119	23	$n \equiv 1, 2737, 3129, 4761, 5797, 7889, 8925, \text{ or } 10557 \pmod{10948}$ except $n = 2737, 3129, 4761$
119	24	$n \equiv 1, 4641, 5985, 6273, 7617, 8449, 9793, \text{ or } 10081 \pmod{11424}$ except $n = 4641$
119	25	$n \equiv 1, 1225, 1701, 7225, 7701, 8925, 9401, \text{ or } 11425 \pmod{11900}$ except $n = 1225, 1701$
119	26	$n \equiv 1, 273, 833, 3809, 4369, 4641, 8177, \text{ or } 8841 \pmod{12376}$ except $n = 273, 833, 3809, 4369, 4641$
119	27	$n \equiv 1, 1513, 1701, 3213, 5509, 7021, 9045, \text{ or } 10557 \pmod{12852}$ except $n = 1513, 1701, 3213, 5509$
119	28	$n \equiv 1, 833, 6273, \text{ or } 7889 \pmod{13328}$ except $n = 833, 6273$
119	29	$n \equiv 1, 2465, 4641, 5713, 7889, 10353, 10557, \text{ or } 13601 \pmod{13804}$ except $n = 2465, 4641, 5713$
119	30	$n \equiv 1, 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985,$ $7225, 8841, 10081, 11305, 11425, 11985, \text{ or } 14161 \pmod{14280}$ except $n = 561, 1225, 1785, 1905, 4081, 4641, 4761, 5985$
119	31	$n \equiv 1, 3689, 4557, 5797, 6665, 11781, 12649, \text{ or } 13889 \pmod{14756}$ except $n = 3689, 4557, 5797, 6665$
119	32	$n \equiv 1, 2177, 6273, \text{ or } 8449 \pmod{15232}$ except $n = 2177, 6273$
119	33	$n \equiv 1, 561, 1309, 3213, 3333, 4081, 5797, 5985, 7701,$ $8449, 8569, 10473, 11221, 11781, 12937, \text{ or } 14553 \pmod{15708}$ except $n = 561, 1309, 3213, 3333, 4081, 5797, 5985, 7701$
119	34	$n \equiv 1, 6937, 7225, \text{ or } 14161 \pmod{16184}$ except $n = 6937, 7225$
119	35	$n \equiv 1, 1225, 2941, 4165, 6665, 9605, 11221, \text{ or } 14161 \pmod{16660}$ except $n = 1225, 2941, 4165, 6665$
119	36	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	37	$n \equiv 1, 1037, 5033, 6069, 7141, 8177, 12173, \text{ or } 13209 \pmod{17612}$ except $n = 1037, 5033, 6069, 7141, 8177$
119	38	$n \equiv 1, 2737, 5321, 5985, 8569, 11305, 13889, \text{ or } 15505 \pmod{18088}$ except $n = 2737, 5321, 5985, 8569$
119	39	$n \equiv 1, 273, 1989, 2653, 4369, 4641, 6189, 7021, 8841,$ $9997, 10557, 12649, 13209, 14365, 16185, \text{ or } 17017 \pmod{18564}$ except $n = 273, 1989, 2653, 4369, 4641, 6189, 7021, 8841$
119	40	$n \equiv 1, 2465, 4641, 5985, 10081, 11425, 13601, \text{ or } 16065 \pmod{19040}$ except $n = 2465, 4641, 5985$
119	41	$n \equiv 1, 6069, 6273, 8365, 8569, 14637, 16933, \text{ or } 17221 \pmod{19516}$ except $n = 6069, 6273, 8365, 8569$
119	42	$n \equiv 1, 1225, 6273, 7497, 12937, 13329, 14161, \text{ or } 14553 \pmod{19992}$ except $n = 1225, 6273, 7497$
119	43	$n \equiv 1, 5117, 6665, 7225, 11697, 13889, 18361, \text{ or } 18921 \pmod{20468}$ except $n = 5117, 6665, 7225$
119	44	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 8449, \text{ or } 19041 \pmod{20944}$ except $n = 561, 2465, 4081, 5985, 6545, 8449$
119	45	$n \equiv 1, 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081,$ $11305, 11781, 14365, 14841, 16065, 18361, \text{ or } 19125 \pmod{21420}$ except $n = 1225, 1701, 4285, 4761, 5985, 7021, 9045, 10081$
119	46	$n \equiv 1, 2737, 3129, 4761, 7889, 16745, 19873, \text{ or } 21505 \pmod{21896}$ except $n = 2737, 3129, 4761, 7889$
119	47	$n \equiv 1, 5593, 9401, 11985, 12173, 15793, 15981, \text{ or } 18565 \pmod{22372}$ except $n = 5593, 9401$
119	48	$n \equiv 1, 6273, 7617, 8449, 9793, 16065, 17409, \text{ or } 21505 \pmod{22848}$ except $n = 6273, 7617, 8449, 9793$
119	49	$n \equiv 1, 7889, 9605, \text{ or } 17493 \pmod{23324}$ except $n = 7889, 9605$
119	50	$n \equiv 1, 1225, 7225, 9401, 11425, 13601, 19601, \text{ or } 20825 \pmod{23800}$ except $n = 1225, 7225, 9401, 11425$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	51	$n \equiv 1, 6069, 6937, 7225, 14161, 16185, 23121, \text{ or } 23409 \pmod{24276}$ except $n = 6069, 6937, 7225$
119	52	$n \equiv 1, 273, 833, 3809, 4369, 4641, 8177, \text{ or } 21217 \pmod{24752}$ except $n = 273, 833, 3809, 4369, 4641, 8177$
119	53	$n \equiv 1, 477, 3605, 4081, 14841, 15317, 18445, \text{ or } 18921 \pmod{25228}$ except $n = 477, 3605, 4081$
119	54	$n \equiv 1, 1513, 14553, 16065, 18361, 19873, 21897, \text{ or } 23409 \pmod{25704}$ except $n = 1513$
119	55	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 7701, 11221, 11781,$ $13685, 13805, 18921, 19041, 20945, 21505, \text{ or } 25025 \pmod{26180}$ except $n = 561, 2465, 4081, 5985, 6545, 7701, 11221, 11781$
119	56	$n \equiv 1, 833, 6273, \text{ or } 21217 \pmod{26656}$ except $n = 833, 6273$
119	57	$n \equiv 1, 2737, 4845, 5985, 8569, 9045, 11305, 11781, 14365,$ $15505, 17613, 20349, 22933, 23409, 24073, \text{ or } 24549 \pmod{27132}$ except $n = 2737, 4845, 5985, 8569, 9045, 11305, 11781$
119	58	$n \equiv 1, 2465, 4641, 5713, 7889, 10353, 13601, \text{ or } 24361 \pmod{27608}$ except $n = 2465, 4641, 5713, 7889, 10353, 13601$
119	59	$n \equiv 1, 7021, 11033, 14161, 16933, 18173, 20945, \text{ or } 24073 \pmod{28084}$ except $n = 7021, 11033$
119	60	$n \equiv 1, 561, 1905, 4081, 4641, 5985, 10081, 11425, 11985,$ $14161, 15505, 16065, 19041, 21505, 23121, \text{ or } 25585 \pmod{28560}$ except $n = 561, 1905, 4081, 4641, 5985,$ $10081, 11425, 11985, 14161$
119	61	$n \equiv 1, 1037, 3417, 18361, 20741, 21777, 24157, \text{ or } 26657 \pmod{29036}$ except $n = 1037, 3417$
119	62	$n \equiv 1, 3689, 6665, 12649, 13889, 19313, 20553, \text{ or } 26537 \pmod{29512}$ except $n = 3689, 6665, 12649, 13889$
119	63	$n \equiv 1, 1225, 6273, 7497, 13329, 14553, 22933, \text{ or } 24157 \pmod{29988}$ except $n = 1225, 6273, 7497, 13329, 14553$
119	64	$n \equiv 1, 8449, 17409, \text{ or } 21505 \pmod{30464}$ except $n = 8449$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	65	$n \equiv 1, 4641, 6461, 7021, 8841, 14365, 16185, 16745, 18565,$ $23205, 25025, 25585, 26741, 27405, 28561, \text{ or } 29121 \pmod{30940}$ except $n = 4641, 6461, 7021, 8841, 14365$
119	66	$n \equiv 1, 561, 4081, 5985, 8449, 8569, 10473, 12937, 14553,$ $17017, 18921, 19041, 21505, 23409, 26929, \text{ or } 27489 \pmod{31416}$ except $n = 561, 4081, 5985, 8449, 8569, 10473, 12937, 14553$
119	67	$n \equiv 1, 3417, 4557, 7973, 9045, 13601, 26265, \text{ or } 30821 \pmod{31892}$ except $n = 3417, 4557, 7973, 9045, 13601$
119	68	$n \equiv 1, 14161, 23121, \text{ or } 23409 \pmod{32368}$ except $n = 14161$
119	69	$n \equiv 1, 2737, 3129, 4761, 5797, 8925, 10557, 14077, 15709,$ $18837, 19873, 21505, 21897, 24633, 27693, \text{ or } 29785 \pmod{32844}$ except $n = 2737, 3129, 4761, 5797, 8925, 10557, 14077, 15709$
119	70	$n \equiv 1, 1225, 6665, 14161, 19601, 20825, 26265, \text{ or } 27881 \pmod{33320}$ except $n = 1225, 6665, 14161$
119	71	$n \equiv 1, 1989, 6461, 8449, 19313, 20945, 21301, \text{ or } 22933 \pmod{33796}$ except $n = 1989, 6461, 8449$
119	72	$n \equiv 1, 5985, 6273, 9793, 10081, 16065, 19873, \text{ or } 30465 \pmod{34272}$ except $n = 5985, 6273, 9793, 10081, 16065$
119	73	$n \equiv 1, 3213, 8177, 17885, 22849, 26061, 29785, \text{ or } 31025 \pmod{34748}$ except $n = 3213, 8177$
119	74	$n \equiv 1, 5033, 8177, 13209, 18649, 23681, 24753, \text{ or } 29785 \pmod{35224}$ except $n = 5033, 8177, 13209$
119	75	$n \equiv 1, 1225, 1701, 7225, 7701, 8925, 11425, 11901, 13125,$ $19125, 21301, 23325, 25501, 31501, 32725, \text{ or } 33201 \pmod{35700}$ except $n = 1225, 1701, 7225, 7701, 8925, 11425, 11901, 13125$
119	76	$n \equiv 1, 2737, 5985, 13889, 15505, 23409, 26657, \text{ or } 29393 \pmod{36176}$ except $n = 2737, 5985, 13889, 15505$
119	77	$n \equiv 1, 3333, 11221, 12937, 14553, 16269, 24157, \text{ or } 27489 \pmod{36652}$ except $n = 3333, 11221, 12937, 14553, 16269$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	78	$n \equiv 1, 273, 4369, 4641, 8841, 12649, 13209, 16185, 17017,$ 20553, 21217, 24753, 25585, 28561, 29121, or 32929 (mod 37128) except $n = 273, 4369, 4641, 8841, 12649, 13209, 16185, 17017$
119	79	$n \equiv 1, 9401, 10745, 17697, 18565, 28441, 29309,$ or 36261 (mod 37604) except $n = 9401, 10745, 17697, 18565$
119	80	$n \equiv 1, 16065, 21505, 23681, 25025, 29121, 30465,$ or 32641 (mod 38080) except $n = 16065$
119	81	$n \equiv 1, 1701, 5509, 23409, 27217, 28917, 32725,$ or 34749 (mod 38556) except $n = 1701, 5509$
119	82	$n \equiv 1, 6273, 8569, 25585, 27881, 34153, 36449,$ or 36737 (mod 39032) except $n = 6273, 8569$
119	83	$n \equiv 1, 9877, 16185, 16269, 16933, 32453, 33117,$ or 33201 (mod 39508) except $n = 9877, 16185, 16269, 16933$
119	84	$n \equiv 1, 6273, 13329, 14161, 21217, 27489, 32929,$ or 34545 (mod 39984) except $n = 6273, 13329, 14161$
119	85	$n \equiv 1, 7225, 14161, 16185, 23121, 30345, 31501,$ or 39305 (mod 40460) except $n = 7225, 14161, 16185$
119	86	$n \equiv 1, 6665, 7225, 11697, 13889, 18361, 18921,$ or 25585 (mod 40936) except $n = 6665, 7225, 11697, 13889, 18361, 18921$
119	87	$n \equiv 1, 4641, 5713, 10353, 10557, 16269, 18445, 21693, 24157,$ 24361, 27405, 27609, 30073, 33321, 35497, or 41209 (mod 41412) except $n = 4641, 5713, 10353, 10557, 16269, 18445$
119	88	$n \equiv 1, 2465, 5985, 8449, 19041, 21505, 25025,$ or 27489 (mod 41888) except $n = 2465, 5985, 8449, 19041$
119	89	$n \equiv 1, 357, 1513, 12461, 19313, 30261, 31417,$ or 31773 (mod 42364) except $n = 357, 1513, 12461, 19313$
119	90	$n \equiv 1, 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361,$ 23121, 25705, 28441, 30465, 33201, 35785, or 40545 (mod 42840) except $n = 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	91	$n \equiv 1, 833, 9997, 10829, 21217, 22933, 31213, \text{ or } 32929 \pmod{43316}$ except $n = 833, 9997, 10829, 21217$
119	92	$n \equiv 1, 2737, 7889, 19873, 21505, 25025, 26657, \text{ or } 38641 \pmod{43792}$ except $n = 2737, 7889, 19873, 21505$
119	93	$n \equiv 1, 4557, 5797, 11781, 12649, 14757, 18445, 20553, 21421,$ $27405, 28645, 33201, 34069, 36177, 41293, \text{ or } 43401 \pmod{44268}$ except $n = 4557, 5797, 11781, 12649, 14757, 18445, 20553, 21421$
119	94	$n \equiv 1, 5593, 9401, 11985, 15793, 34545, 38353, \text{ or } 40937 \pmod{44744}$ except $n = 5593, 9401, 11985, 15793$
119	95	$n \equiv 1, 2261, 4845, 5321, 5985, 6461, 9045, 11305, 11781,$ $14365, 15505, 20825, 35701, 41021, 42161, \text{ or } 44745 \pmod{45220}$ except $n = 2261, 4845, 5321, 5985, 6461, 9045,$ $11305, 11781, 14365, 15505, 20825$
119	96	$n \equiv 1, 6273, 8449, 17409, 21505, 30465, 32641, \text{ or } 38913 \pmod{45696}$ except $n = 6273, 8449, 17409, 21505$
119	97	$n \equiv 1, 8925, 14841, 19789, 25705, 34629, 35309, \text{ or } 45493 \pmod{46172}$ except $n = 8925, 14841, 19789$
119	98	$n \equiv 1, 7889, 32929, \text{ or } 40817 \pmod{46648}$ except $n = 7889$
119	99	$n \equiv 1, 3213, 5797, 5985, 8569, 11781, 14553, 23409, 24157,$ $26181, 26929, 31977, 32725, 34749, 35497, \text{ or } 44353 \pmod{47124}$ except $n = 3213, 5797, 5985, 8569, 11781, 14553, 23409$
119	100	$n \equiv 1, 11425, 13601, 19601, 25025, 31025, 33201, \text{ or } 44625 \pmod{47600}$ except $n = 11425, 13601, 19601$
119	101	$n \equiv 1, 3333, 32725, 36057, 39593, 41209, 42925, \text{ or } 44541 \pmod{48076}$ except $n = 3333$
119	102	$n \equiv 1, 6937, 7225, 14161, 16185, 23121, 23409, \text{ or } 30345 \pmod{48552}$ except $n = 6937, 7225, 14161, 16185, 23121, 23409$
119	103	$n \equiv 1, 3605, 8653, 12257, 17613, 26265, 35021, \text{ or } 43673 \pmod{49028}$ except $n = 3605, 8653, 12257, 17613$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	104	$n \equiv 1, 833, 3809, 4641, 21217, 25025, 29121, \text{ or } 32929 \pmod{49504}$ except $n = 833, 3809, 4641, 21217$
119	105	$n \equiv 1, 1225, 2941, 4165, 11221, 14161, 23325, 26265, 33321,$ $34545, 36261, 37485, 39985, 42925, 44541, \text{ or } 47481 \pmod{49980}$ except $n = 1225, 2941, 4165, 11221, 14161, 23325$
119	106	$n \equiv 1, 4081, 14841, 18921, 25705, 28833, 40545, \text{ or } 43673 \pmod{50456}$ except $n = 4081, 14841, 18921$
119	107	$n \equiv 1, 749, 11985, 12733, 14553, 26537, 37129, \text{ or } 49113 \pmod{50932}$ except $n = 749, 11985, 12733, 14553$
119	108	$n \equiv 1, 16065, 19873, 23409, 27217, 40257, 44065, \text{ or } 47601 \pmod{51408}$ except $n = 16065, 19873, 23409$
119	109	$n \equiv 1, 1309, 7413, 31501, 37605, 38913, 45017, \text{ or } 45781 \pmod{51884}$ except $n = 1309, 7413$
119	110	$n \equiv 1, 561, 2465, 4081, 5985, 6545, 18921, 19041, 20945,$ $21505, 25025, 33881, 37401, 37961, 39865, \text{ or } 39985 \pmod{52360}$ except $n = 561, 2465, 4081, 5985, 6545,$ $18921, 19041, 20945, 21505, 25025$
119	111	$n \equiv 1, 6069, 7141, 13209, 17613, 18649, 22645, 24753, 25789,$ $29785, 36261, 40257, 41293, 43401, 47397, \text{ or } 48433 \pmod{52836}$ except $n = 6069, 7141, 13209, 17613, 18649, 22645, 24753, 25789$
119	112	$n \equiv 1, 833, 6273, \text{ or } 47873 \pmod{53312}$ except $n = 833, 6273$
119	113	$n \equiv 1, 2261, 9605, 15029, 25313, 30737, 38081, \text{ or } 40341 \pmod{53788}$ except $n = 2261, 9605, 15029, 25313$
119	114	$n \equiv 1, 2737, 5985, 8569, 11305, 15505, 23409, 24073, 31977,$ $36177, 38913, 41497, 44745, 47481, 50065, \text{ or } 51681 \pmod{54264}$ except $n = 2737, 5985, 8569, 11305, 15505, 23409, 24073$
119	115	$n \equiv 1, 4761, 8925, 13685, 16745, 21505, 25025, 29785, 30821,$ $32845, 35581, 37605, 38641, 43401, 46921, \text{ or } 51681 \pmod{54740}$ except $n = 4761, 8925, 13685, 16745, 21505, 25025$

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Table 118: Superspectra for  $p = 119$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
119	116	$n \equiv 1, 2465, 4641, 5713, 7889, 10353, 13601, \text{ or } 51969 \pmod{55216}$ except $n = 2465, 4641, 5713, 7889, 10353, 13601$
119	117	$n \equiv 1, 1989, 7021, 10557, 14365, 18837, 22933, 27405, 31213,$ $34749, 39781, 41769, 43317, 47125, 50337, \text{ or } 54145 \pmod{55692}$ except $n = 1989, 7021, 10557, 14365, 18837, 22933, 27405$
119	118	$n \equiv 1, 11033, 14161, 20945, 24073, 35105, 45017, \text{ or } 46257 \pmod{56168}$ except $n = 11033, 14161, 20945, 24073$
119	119	$n \equiv 1, 14161, 31213, \text{ or } 39593 \pmod{56644}$ except $n = 14161$
119	120	$n \equiv 1, 4641, 5985, 10081, 11425, 16065, 19041, 21505, 29121,$ $30465, 32641, 40545, 42721, 44065, 51681, \text{ or } 54145 \pmod{57120}$ except $n = 4641, 5985, 10081, 11425, 16065, 19041, 21505$
119	121	$n \equiv 1, 9317, 16457, 26741, 33881, 43197, 50337, \text{ or } 50457 \pmod{57596}$ except $n = 9317, 16457, 26741$
119	122	$n \equiv 1, 3417, 18361, 21777, 26657, 30073, 49777, \text{ or } 53193 \pmod{58072}$ except $n = 3417, 18361, 21777, 26657$
119	123	$n \equiv 1, 6069, 6273, 8365, 8569, 14637, 16933, 17221, 25585,$ $25789, 34153, 39033, 47397, 47601, 55965, \text{ or } 56253 \pmod{58548}$ except $n = 6069, 6273, 8365, 8569, 14637,$ $16933, 17221, 25585, 25789$
119	124	$n \equiv 1, 13889, 19313, 33201, 36177, 42161, 50065, \text{ or } 56049 \pmod{59024}$ except $n = 13889, 19313$
119	125	$n \equiv 1, 13125, 19125, 25501, 31501, 44625, 47125, \text{ or } 57001 \pmod{59500}$ except $n = 13125, 19125, 25501$
119	126	$n \equiv 1, 1225, 6273, 7497, 13329, 14553, 52921, \text{ or } 54145 \pmod{59976}$ except $n = 1225, 6273, 7497, 13329, 14553$
119	127	$n \equiv 1, 1905, 13209, 15113, 34545, 36449, 39117, \text{ or } 41021 \pmod{60452}$ except $n = 1905, 13209, 15113$
119	128	$n \equiv 1, 17409, 21505, \text{ or } 38913 \pmod{60928}$ except $n = 17409, 21505$

Table 119: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 120$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
120	2	$n \equiv 1, 321, 385, \text{ or } 705 \pmod{960}$ except $n = 321, 385$
120	3	$n \equiv 1, 225, 801, \text{ or } 865 \pmod{1440}$ except $n = 225$
120	4	$n \equiv 1, 385, 1281, \text{ or } 1665 \pmod{1920}$ except $n = 385$
120	5	$n \equiv 1, 225, 801, \text{ or } 1825 \pmod{2400}$ except $n = 225, 801$
120	6	$n \equiv 1, 1665, 2241, \text{ or } 2305 \pmod{2880}$
120	7	$n \equiv 1, 225, 385, 1281, 1345, 2241, 2401, \text{ or } 2625 \pmod{3360}$ except $n = 225, 385, 1281, 1345$
120	8	$n \equiv 1, 1281, 2305, \text{ or } 3585 \pmod{3840}$ except $n = 1281$
120	9	$n \equiv 1, 865, 2241, \text{ or } 3105 \pmod{4320}$ except $n = 865$
120	10	$n \equiv 1, 2625, 3201, \text{ or } 4225 \pmod{4800}$
120	11	$n \equiv 1, 385, 705, 1441, 1761, 2145, 3201, \text{ or } 4225 \pmod{5280}$ except $n = 385, 705, 1441, 1761, 2145$
120	12	$n \equiv 1, 1665, 2305, \text{ or } 5121 \pmod{5760}$ except $n = 1665, 2305$
120	13	$n \equiv 1, 481, 1665, 2145, 3745, 4161, 4225, \text{ or } 4641 \pmod{6240}$ except $n = 481, 1665, 2145$
120	14	$n \equiv 1, 385, 1281, 1345, 2241, 2625, 3585, \text{ or } 5761 \pmod{6720}$ except $n = 385, 1281, 1345, 2241, 2625$
120	15	$n \equiv 1, 225, 801, \text{ or } 6625 \pmod{7200}$ except $n = 225, 801$
120	16	$n \equiv 1, 3585, 5121, \text{ or } 6145 \pmod{7680}$ except $n = 3585$
120	17	$n \equiv 1, 1921, 2721, 3265, 4641, 5185, 5985, \text{ or } 7905 \pmod{8160}$ except $n = 1921, 2721, 3265$
120	18	$n \equiv 1, 2241, 5185, \text{ or } 7425 \pmod{8640}$ except $n = 2241$
120	19	$n \equiv 1, 1825, 4161, 5985, 6081, 7201, 7905, \text{ or } 9025 \pmod{9120}$ except $n = 1825, 4161$
120	20	$n \equiv 1, 3201, 4225, \text{ or } 7425 \pmod{9600}$ except $n = 3201, 4225$
120	21	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$

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Table 119: Superspectra for  $p = 120$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
120	22	$n \equiv 1, 385, 705, 3201, 4225, 6721, 7041, \text{ or } 7425 \pmod{10560}$ except $n = 385, 705, 3201, 4225$
120	23	$n \equiv 1, 3105, 3681, 3841, 6625, 7521, 10305, \text{ or } 10465 \pmod{11040}$ except $n = 3105, 3681, 3841$
120	24	$n \equiv 1, 2305, 5121, \text{ or } 7425 \pmod{11520}$ except $n = 2305, 5121$
120	25	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
120	26	$n \equiv 1, 1665, 4161, 4225, 6721, 8385, 9985, \text{ or } 10881 \pmod{12480}$ except $n = 1665, 4161, 4225$
120	27	$n \equiv 1, 5185, 6561, \text{ or } 11745 \pmod{12960}$ except $n = 5185$
120	28	$n \equiv 1, 385, 1281, 3585, 5761, 8065, 8961, \text{ or } 9345 \pmod{13440}$ except $n = 385, 1281, 3585, 5761$
120	29	$n \equiv 1, 2785, 4321, 4641, 7105, 7425, 8961, \text{ or } 11745 \pmod{13920}$ except $n = 2785, 4321, 4641$
120	30	$n \equiv 1, 7425, 8001, \text{ or } 13825 \pmod{14400}$
120	31	$n \equiv 1, 961, 6945, 7905, 9921, 10881, 11905, \text{ or } 12865 \pmod{14880}$ except $n = 961, 6945$
120	32	$n \equiv 1, 5121, 6145, \text{ or } 11265 \pmod{15360}$ except $n = 5121, 6145$
120	33	$n \equiv 1, 1441, 5985, 7425, 9505, 10945, 12321, \text{ or } 13761 \pmod{15840}$ except $n = 1441, 5985, 7425$
120	34	$n \equiv 1, 1921, 3265, 5185, 10881, 12801, 14145, \text{ or } 16065 \pmod{16320}$ except $n = 1921, 3265, 5185$
120	35	$n \equiv 1, 225, 2401, 2625, 5601, 8001, 11425, \text{ or } 13825 \pmod{16800}$ except $n = 225, 2401, 2625, 5601, 8001$
120	36	$n \equiv 1, 7425, 10881, \text{ or } 13825 \pmod{17280}$ except $n = 7425$
120	37	$n \equiv 1, 481, 1185, 1665, 7105, 7585, 11841, \text{ or } 12321 \pmod{17760}$ except $n = 481, 1185, 1665, 7105, 7585$
120	38	$n \equiv 1, 4161, 6081, 9025, 10945, 15105, 16321, \text{ or } 17025 \pmod{18240}$ except $n = 4161, 6081, 9025$

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Table 119: Superspectra for  $p = 120$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
120	39	$n \equiv 1, 1665, 3745, 10881, 12961, 14625, 16641, \text{ or } 16705 \pmod{18720}$ except $n = 1665, 3745$
120	40	$n \equiv 1, 7425, 12801, \text{ or } 13825 \pmod{19200}$ except $n = 7425$
120	41	$n \equiv 1, 2625, 6561, 7585, 11521, 14145, 15745, \text{ or } 18081 \pmod{19680}$ except $n = 2625, 6561, 7585$
120	42	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
120	43	$n \equiv 1, 2881, 5505, 8385, 12385, 13761, 15265, \text{ or } 16641 \pmod{20640}$ except $n = 2881, 5505, 8385$
120	44	$n \equiv 1, 385, 3201, 4225, 7041, 7425, 11265, \text{ or } 17281 \pmod{21120}$ except $n = 385, 3201, 4225, 7041, 7425$
120	45	$n \equiv 1, 7425, 13825, \text{ or } 15201 \pmod{21600}$ except $n = 7425$
120	46	$n \equiv 1, 3841, 10305, 14145, 14721, 17665, 18561, \text{ or } 21505 \pmod{22080}$ except $n = 3841, 10305$
120	47	$n \equiv 1, 705, 6721, 7521, 9025, 14241, 15745, \text{ or } 16545 \pmod{22560}$ except $n = 705, 6721, 7521, 9025$
120	48	$n \equiv 1, 5121, 13825, \text{ or } 18945 \pmod{23040}$ except $n = 5121$
120	49	$n \equiv 1, 2401, 4705, 7105, 15681, 18081, 20385, \text{ or } 22785 \pmod{23520}$ except $n = 2401, 4705, 7105$
120	50	$n \equiv 1, 2625, 8001, \text{ or } 18625 \pmod{24000}$ except $n = 2625, 8001$
120	51	$n \equiv 1, 5185, 5985, 10081, 10881, 16065, 19585, \text{ or } 20961 \pmod{24480}$ except $n = 5185, 5985, 10081, 10881$
120	52	$n \equiv 1, 1665, 4225, 9985, 10881, 16641, 19201, \text{ or } 20865 \pmod{24960}$ except $n = 1665, 4225, 9985, 10881$
120	53	$n \equiv 1, 6625, 8481, 15105, 15265, 16801, 23745, \text{ or } 25281 \pmod{25440}$ except $n = 6625, 8481$
120	54	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{25920}$ except $n = 5185$
120	55	$n \equiv 1, 3201, 4225, 7425, 12001, 16225, 17601, \text{ or } 21825 \pmod{26400}$ except $n = 3201, 4225, 7425, 12001$

*continued on next page*

Table 119: Superspectra for  $p = 120$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
120	56	$n \equiv 1, 1281, 3585, 8961, 13825, 19201, 21505, \text{ or } 22785 \pmod{26880}$ except $n = 1281, 3585, 8961$
120	57	$n \equiv 1, 5985, 7201, 10945, 15201, 18145, 22401, \text{ or } 26145 \pmod{27360}$ except $n = 5985, 7201, 10945$
120	58	$n \equiv 1, 7105, 7425, 8961, 16705, 18241, 18561, \text{ or } 25665 \pmod{27840}$ except $n = 7105, 7425, 8961$
120	59	$n \equiv 1, 5665, 9441, 10561, 15105, 16225, 20001, \text{ or } 25665 \pmod{28320}$ except $n = 5665, 9441, 10561$
120	60	$n \equiv 1, 7425, 13825, \text{ or } 22401 \pmod{28800}$ except $n = 7425, 13825$
120	61	$n \equiv 1, 1281, 5185, 11041, 13665, 19521, 23425, \text{ or } 24705 \pmod{29280}$ except $n = 1281, 5185, 11041, 13665$
120	62	$n \equiv 1, 961, 9921, 10881, 11905, 12865, 21825, \text{ or } 22785 \pmod{29760}$ except $n = 961, 9921, 10881, 11905, 12865$
120	63	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$
120	64	$n \equiv 1, 6145, 20481, \text{ or } 26625 \pmod{30720}$ except $n = 6145$
120	65	$n \equiv 1, 4225, 10401, 14625, 16225, 19201, 26625, \text{ or } 29601 \pmod{31200}$ except $n = 4225, 10401, 14625$
120	66	$n \equiv 1, 7425, 10945, 13761, 17281, 21825, 25345, \text{ or } 28161 \pmod{31680}$ except $n = 7425, 10945, 13761$
120	67	$n \equiv 1, 2145, 2881, 5025, 12865, 15745, 21441, \text{ or } 24321 \pmod{32160}$ except $n = 2145, 2881, 5025, 12865, 15745$
120	68	$n \equiv 1, 1921, 10881, 12801, 19585, 21505, 30465, \text{ or } 32385 \pmod{32640}$ except $n = 1921, 10881, 12801$
120	69	$n \equiv 1, 3105, 3681, 6625, 10305, 25921, 29601, \text{ or } 32545 \pmod{33120}$ except $n = 3105, 3681, 6625, 10305$
120	70	$n \equiv 1, 2625, 8001, 13825, 17025, 19201, 22401, \text{ or } 28225 \pmod{33600}$ except $n = 2625, 8001, 13825$

*continued on next page*

Table 119: Superspectra for  $p = 120$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
120	71	$n \equiv 1, 4545, 11361, 15265, 22081, 26625, 27265, \text{ or } 33441 \pmod{34080}$ except $n = 4545, 11361, 15265$
120	72	$n \equiv 1, 7425, 13825, \text{ or } 28161 \pmod{34560}$ except $n = 7425, 13825$
120	73	$n \equiv 1, 1825, 4161, 9345, 15841, 21025, 23361, \text{ or } 25185 \pmod{35040}$ except $n = 1825, 4161, 9345, 15841$
120	74	$n \equiv 1, 1665, 7105, 11841, 18241, 18945, 25345, \text{ or } 30081 \pmod{35520}$ except $n = 1665, 7105, 11841$
120	75	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{36000}$ except $n = 6625, 8001, 14625$
120	76	$n \equiv 1, 15105, 17025, 22401, 24321, 27265, 29185, \text{ or } 34561 \pmod{36480}$ except $n = 15105, 17025$
120	77	$n \equiv 1, 385, 5985, 6721, 12321, 12705, 14785, 15841, 19041,$ $21505, 22561, 27105, 28161, 30625, 33825, \text{ or } 34881 \pmod{36960}$ except $n = 385, 5985, 6721, 12321, 12705, 14785, 15841$
120	78	$n \equiv 1, 1665, 10881, 16641, 16705, 22465, 31681, \text{ or } 33345 \pmod{37440}$ except $n = 1665, 10881, 16641, 16705$
120	79	$n \equiv 1, 1185, 6241, 7585, 13825, 25281, 31521, \text{ or } 32865 \pmod{37920}$ except $n = 1185, 6241, 7585, 13825$
120	80	$n \equiv 1, 12801, 13825, \text{ or } 26625 \pmod{38400}$ except $n = 12801, 13825$
120	81	$n \equiv 1, 6561, 31105, \text{ or } 37665 \pmod{38880}$ except $n = 6561$
120	82	$n \equiv 1, 2625, 11521, 14145, 15745, 26241, 27265, \text{ or } 37761 \pmod{39360}$ except $n = 2625, 11521, 14145, 15745$
120	83	$n \equiv 1, 2241, 12865, 13281, 23905, 26145, 28801, \text{ or } 37185 \pmod{39840}$ except $n = 2241, 12865, 13281$
120	84	$n \equiv 1, 5761, 8065, 13825, 22401, 28161, 30465, \text{ or } 36225 \pmod{40320}$ except $n = 5761, 8065, 13825$
120	85	$n \equiv 1, 11425, 12801, 24225, 26401, 27201, 37825, \text{ or } 38625 \pmod{40800}$ except $n = 11425, 12801$
120	86	$n \equiv 1, 2881, 5505, 8385, 13761, 16641, 33025, \text{ or } 35905 \pmod{41280}$ except $n = 2881, 5505, 8385, 13761, 16641$

*continued on next page*

Table 119: Superspectra for  $p = 120$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
120	87	$n \equiv 1, 4321, 7425, 11745, 16705, 21025, 32481, \text{ or } 36801 \pmod{41760}$ except $n = 4321, 7425, 11745, 16705$
120	88	$n \equiv 1, 7425, 11265, 21505, 24321, 25345, 28161, \text{ or } 38401 \pmod{42240}$ except $n = 7425, 11265$
120	89	$n \equiv 1, 801, 8545, 9345, 14241, 22785, 29281, \text{ or } 37825 \pmod{42720}$ except $n = 801, 8545, 9345, 14241$
120	90	$n \equiv 1, 7425, 13825, \text{ or } 36801 \pmod{43200}$ except $n = 7425, 13825$
120	91	$n \equiv 1, 3745, 4641, 6721, 10465, 12481, 19201, 20385, 27105,$ $29121, 32865, 34945, 35841, 39585, 41601, \text{ or } 41665 \pmod{43680}$ except $n = 3745, 4641, 6721, 10465, 12481, 19201, 20385$
120	92	$n \equiv 1, 3841, 14721, 17665, 18561, 21505, 32385, \text{ or } 36225 \pmod{44160}$ except $n = 3841, 14721, 17665, 18561, 21505$
120	93	$n \equiv 1, 10881, 15841, 21825, 26785, 37665, 39681, \text{ or } 42625 \pmod{44640}$ except $n = 10881, 15841, 21825$
120	94	$n \equiv 1, 705, 6721, 9025, 15745, 30081, 36801, \text{ or } 39105 \pmod{45120}$ except $n = 705, 6721, 9025, 15745$
120	95	$n \equiv 1, 1825, 7201, 9025, 15201, 17025, 22401, \text{ or } 24225 \pmod{45600}$ except $n = 1825, 7201, 9025, 15201, 17025, 22401$
120	96	$n \equiv 1, 5121, 36865, \text{ or } 41985 \pmod{46080}$ except $n = 5121$
120	97	$n \equiv 1, 3105, 3201, 18625, 18721, 21825, 31041, \text{ or } 37345 \pmod{46560}$ except $n = 3105, 3201, 18625, 18721, 21825$
120	98	$n \equiv 1, 7105, 15681, 22785, 25921, 28225, 41601, \text{ or } 43905 \pmod{47040}$ except $n = 7105, 15681, 22785$
120	99	$n \equiv 1, 7425, 9505, 17281, 26785, 28161, 37665, \text{ or } 45441 \pmod{47520}$ except $n = 7425, 9505, 17281$
120	100	$n \equiv 1, 26625, 32001, \text{ or } 42625 \pmod{48000}$
120	101	$n \equiv 1, 4545, 6465, 14241, 16161, 36865, 38785, \text{ or } 46561 \pmod{48480}$ except $n = 4545, 6465, 14241, 16161$

*continued on next page*

Table 119: Superspectra for  $p = 120$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
120	102	$n \equiv 1, 5185, 10881, 16065, 19585, 30465, 34561, \text{ or } 45441 \pmod{48960}$ except $n = 5185, 10881, 16065, 19585$
120	103	$n \equiv 1, 5665, 8961, 13185, 25441, 29665, 32961, \text{ or } 38625 \pmod{49440}$ except $n = 5665, 8961, 13185$
120	104	$n \equiv 1, 9985, 16641, 19201, 26625, 29185, 35841, \text{ or } 45825 \pmod{49920}$ except $n = 9985, 16641, 19201$
120	105	$n \equiv 1, 225, 8001, 13825, 22401, 28225, 36001, \text{ or } 36225 \pmod{50400}$ except $n = 225, 8001, 13825, 22401$
120	106	$n \equiv 1, 15105, 23745, 25281, 32065, 33921, 40705, \text{ or } 42241 \pmod{50880}$ except $n = 15105, 23745, 25281$
120	107	$n \equiv 1, 321, 3745, 17121, 20545, 20865, 34561, \text{ or } 37665 \pmod{51360}$ except $n = 321, 3745, 17121, 20545, 20865$
120	108	$n \equiv 1, 24705, 31105, \text{ or } 45441 \pmod{51840}$ except $n = 24705$
120	109	$n \equiv 1, 7521, 10465, 17985, 24961, 34881, 35425, \text{ or } 45345 \pmod{52320}$ except $n = 7521, 10465, 17985, 24961$
120	110	$n \equiv 1, 3201, 4225, 7425, 17601, 21825, 38401, \text{ or } 42625 \pmod{52800}$ except $n = 3201, 4225, 7425, 17601, 21825$
120	111	$n \equiv 1, 1665, 12321, 18945, 25345, 29601, 36001, \text{ or } 42625 \pmod{53280}$ except $n = 1665, 12321, 18945, 25345$
120	112	$n \equiv 1, 3585, 13825, 21505, 28161, 35841, 46081, \text{ or } 49665 \pmod{53760}$ except $n = 3585, 13825, 21505$
120	113	$n \equiv 1, 1921, 18081, 20001, 32545, 34465, 50625, \text{ or } 52545 \pmod{54240}$ except $n = 1921, 18081, 20001$
120	114	$n \equiv 1, 10945, 22401, 33345, 34561, 42561, 45505, \text{ or } 53505 \pmod{54720}$ except $n = 10945, 22401$
120	115	$n \equiv 1, 6625, 29601, 36225, 36801, 43425, 48001, \text{ or } 54625 \pmod{55200}$ except $n = 6625$
120	116	$n \equiv 1, 7425, 8961, 18561, 34945, 44545, 46081, \text{ or } 53505 \pmod{55680}$ except $n = 7425, 8961, 18561$

*continued on next page*

Table 119: Superspectra for  $p = 120$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
120	117	$n \equiv 1, 10881, 12961, 20385, 22465, 33345, 35425, \text{ or } 54081 \pmod{56160}$ except $n = 10881, 12961, 20385, 22465$
120	118	$n \equiv 1, 10561, 15105, 25665, 33985, 37761, 44545, \text{ or } 48321 \pmod{56640}$ except $n = 10561, 15105, 25665$
120	119	$n \equiv 1, 4641, 5985, 10081, 11425, 16065, 19041, 21505, 29121,$ $30465, 32641, 40545, 42721, 44065, 51681, \text{ or } 54145 \pmod{57120}$ except $n = 4641, 5985, 10081, 11425, 16065, 19041, 21505$
120	120	$n \equiv 1, 7425, 13825, \text{ or } 51201 \pmod{57600}$ except $n = 7425, 13825$
120	121	$n \equiv 1, 12705, 24321, 27105, 32065, 38721, 43681, \text{ or } 46465 \pmod{58080}$ except $n = 12705, 24321, 27105$
120	122	$n \equiv 1, 1281, 5185, 19521, 23425, 24705, 40321, \text{ or } 42945 \pmod{58560}$ except $n = 1281, 5185, 19521, 23425, 24705$
120	123	$n \equiv 1, 6561, 11521, 18081, 35425, 41985, 46945, \text{ or } 53505 \pmod{59040}$ except $n = 6561, 11521, 18081$
120	124	$n \equiv 1, 10881, 11905, 22785, 30721, 39681, 42625, \text{ or } 51585 \pmod{59520}$ except $n = 10881, 11905, 22785$
120	125	$n \equiv 1, 20001, 30625, \text{ or } 50625 \pmod{60000}$ except $n = 20001$
120	126	$n \equiv 1, 2241, 13825, 16065, 25921, 28161, 48385, \text{ or } 50625 \pmod{60480}$ except $n = 2241, 13825, 16065, 25921, 28161$
120	127	$n \equiv 1, 4065, 8001, 24385, 28321, 32385, 40641, \text{ or } 52705 \pmod{60960}$ except $n = 4065, 8001, 24385, 28321$
120	128	$n \equiv 1, 20481, 36865, \text{ or } 57345 \pmod{61440}$ except $n = 20481$

Table 120: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 121$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
121	2	$n \equiv 1 \text{ or } 121 \pmod{968}$ except $n = 121$

*continued on next page*

Table 120: Superspectra for  $p = 121$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
121	3	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{1452}$ except $n = 121$
121	4	$n \equiv 1 \text{ or } 1089 \pmod{1936}$
121	5	$n \equiv 1, 121, 485, \text{ or } 605 \pmod{2420}$ except $n = 121, 485, 605$
121	6	$n \equiv 1, 121, 969, \text{ or } 1089 \pmod{2904}$ except $n = 121, 969, 1089$
121	7	$n \equiv 1, 2541, 2905, \text{ or } 3025 \pmod{3388}$
121	8	$n \equiv 1 \text{ or } 1089 \pmod{3872}$ except $n = 1089$
121	9	$n \equiv 1, 1089, 2421, \text{ or } 3025 \pmod{4356}$ except $n = 1089$
121	10	$n \equiv 1, 121, 2905, \text{ or } 3025 \pmod{4840}$ except $n = 121$
121	11	$n \equiv 1 \text{ or } 3993 \pmod{5324}$
121	12	$n \equiv 1, 1089, 3025, \text{ or } 3873 \pmod{5808}$ except $n = 1089$
121	13	$n \equiv 1, 1573, 1937, \text{ or } 5929 \pmod{6292}$ except $n = 1573, 1937$
121	14	$n \equiv 1, 2905, 3025, \text{ or } 5929 \pmod{6776}$ except $n = 2905, 3025$
121	15	$n \equiv 1, 121, 2421, 2541, 2905, 3025, 5325, \text{ or } 5445 \pmod{7260}$ except $n = 121, 2421, 2541, 2905, 3025$
121	16	$n \equiv 1 \text{ or } 1089 \pmod{7744}$ except $n = 1089$
121	17	$n \equiv 1, 969, 1089, \text{ or } 2057 \pmod{8228}$ except $n = 969, 1089, 2057$
121	18	$n \equiv 1, 1089, 3025, \text{ or } 6777 \pmod{8712}$ except $n = 1089, 3025$
121	19	$n \equiv 1, 969, 5929, \text{ or } 6897 \pmod{9196}$ except $n = 969$
121	20	$n \equiv 1, 3025, 4961, \text{ or } 7745 \pmod{9680}$ except $n = 3025$
121	21	$n \equiv 1, 2541, 2905, 3025, 5929, 6777, 9681, \text{ or } 9801 \pmod{10164}$ except $n = 2541, 2905, 3025$
121	22	$n \equiv 1 \text{ or } 3993 \pmod{10648}$ except $n = 3993$
121	23	$n \equiv 1, 8349, 8833, \text{ or } 10649 \pmod{11132}$
121	24	$n \equiv 1, 1089, 3873, \text{ or } 8833 \pmod{11616}$ except $n = 1089, 3873$
121	25	$n \equiv 1, 3025, 5325, \text{ or } 9801 \pmod{12100}$ except $n = 3025, 5325$
121	26	$n \equiv 1, 1937, 5929, \text{ or } 7865 \pmod{12584}$ except $n = 1937, 5929$

*continued on next page*

Table 120: Superspectra for  $p = 121$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
121	27	$n \equiv 1, 3025, 6777, \text{ or } 9801 \pmod{13068}$ except $n = 3025$
121	28	$n \equiv 1, 3025, 9681, \text{ or } 12705 \pmod{13552}$ except $n = 3025$
121	29	$n \equiv 1, 3509, 6293, \text{ or } 11253 \pmod{14036}$ except $n = 3509, 6293$
121	30	$n \equiv 1, 121, 2905, 3025, 9681, 9801, 12585, \text{ or } 12705 \pmod{14520}$ except $n = 121, 2905, 3025$
121	31	$n \equiv 1, 4961, 6293, \text{ or } 11253 \pmod{15004}$ except $n = 4961, 6293$
121	32	$n \equiv 1 \text{ or } 8833 \pmod{15488}$
121	33	$n \equiv 1, 3993, 5325, \text{ or } 14641 \pmod{15972}$ except $n = 3993, 5325$
121	34	$n \equiv 1, 969, 1089, \text{ or } 2057 \pmod{16456}$ except $n = 969, 1089, 2057$
121	35	$n \equiv 1, 2541, 2905, 3025, 9681, 9801, 10165, \text{ or } 12705 \pmod{16940}$ except $n = 2541, 2905, 3025$
121	36	$n \equiv 1, 1089, 3025, \text{ or } 15489 \pmod{17424}$ except $n = 1089, 3025$
121	37	$n \equiv 1, 4477, 5809, \text{ or } 16577 \pmod{17908}$ except $n = 4477, 5809$
121	38	$n \equiv 1, 969, 5929, \text{ or } 6897 \pmod{18392}$ except $n = 969, 5929, 6897$
121	39	$n \equiv 1, 1573, 5929, 8229, 12585, 14157, 14521, \text{ or } 18513 \pmod{18876}$ except $n = 1573, 5929, 8229$
121	40	$n \equiv 1, 4961, 7745, \text{ or } 12705 \pmod{19360}$ except $n = 4961, 7745$
121	41	$n \equiv 1, 4961, 7381, \text{ or } 17425 \pmod{19844}$ except $n = 4961, 7381$
121	42	$n \equiv 1, 2905, 3025, 5929, 6777, 9681, 9801, \text{ or } 12705 \pmod{20328}$ except $n = 2905, 3025, 5929, 6777, 9681, 9801$
121	43	$n \equiv 1, 15609, 17545, \text{ or } 18877 \pmod{20812}$
121	44	$n \equiv 1 \text{ or } 14641 \pmod{21296}$
121	45	$n \equiv 1, 2421, 3025, 5445, 7381, 9801, 17425, \text{ or } 19845 \pmod{21780}$ except $n = 2421, 3025, 5445, 7381, 9801$
121	46	$n \equiv 1, 8833, 10649, \text{ or } 19481 \pmod{22264}$ except $n = 8833, 10649$
121	47	$n \equiv 1, 4841, 12221, \text{ or } 17061 \pmod{22748}$ except $n = 4841$
121	48	$n \equiv 1, 1089, 8833, \text{ or } 15489 \pmod{23232}$ except $n = 1089, 8833$

*continued on next page*



Table 120: Superspectra for  $p = 121$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
121	49	$n \equiv 1, 5929, 9801, \text{ or } 19845 \pmod{23716}$ except $n = 5929, 9801$
121	50	$n \equiv 1, 3025, 9801, \text{ or } 17425 \pmod{24200}$ except $n = 3025, 9801$
121	51	$n \equiv 1, 969, 1089, 8229, 10285, 17425, 17545, \text{ or } 18513 \pmod{24684}$ except $n = 969, 1089, 8229, 10285$
121	52	$n \equiv 1, 1937, 18513, \text{ or } 20449 \pmod{25168}$ except $n = 1937$
121	53	$n \equiv 1, 6413, 7261, \text{ or } 24805 \pmod{25652}$ except $n = 6413, 7261$
121	54	$n \equiv 1, 3025, 6777, \text{ or } 9801 \pmod{26136}$ except $n = 3025, 6777, 9801$
121	55	$n \equiv 1, 5325, 14641, \text{ or } 19965 \pmod{26620}$ except $n = 5325$
121	56	$n \equiv 1, 12705, 16577, \text{ or } 23233 \pmod{27104}$ except $n = 12705$
121	57	$n \equiv 1, 969, 5929, 6897, 10165, 16093, 18393, \text{ or } 24321 \pmod{27588}$ except $n = 969, 5929, 6897, 10165$
121	58	$n \equiv 1, 17545, 20329, \text{ or } 25289 \pmod{28072}$
121	59	$n \equiv 1, 21417, 23837, \text{ or } 26137 \pmod{28556}$
121	60	$n \equiv 1, 3025, 9681, 12705, 14641, 17425, 24321, \text{ or } 27105 \pmod{29040}$ except $n = 3025, 9681, 12705$
121	61	$n \equiv 1, 7381, 14641, \text{ or } 22265 \pmod{29524}$ except $n = 7381, 14641$
121	62	$n \equiv 1, 4961, 21297, \text{ or } 26257 \pmod{30008}$ except $n = 4961$
121	63	$n \equiv 1, 3025, 6777, 9801, 13069, 16093, 19845, \text{ or } 22869 \pmod{30492}$ except $n = 3025, 6777, 9801, 13069$
121	64	$n \equiv 1 \text{ or } 24321 \pmod{30976}$
121	65	$n \equiv 1, 7865, 12221, 12585, 14521, 24805, 26741, \text{ or } 27105 \pmod{31460}$ except $n = 7865, 12221, 12585, 14521$
121	66	$n \equiv 1, 3993, 14641, \text{ or } 21297 \pmod{31944}$ except $n = 3993, 14641$
121	67	$n \equiv 1, 24321, 28073, \text{ or } 28677 \pmod{32428}$
121	68	$n \equiv 1, 1089, 17425, \text{ or } 18513 \pmod{32912}$ except $n = 1089$
121	69	$n \equiv 1, 8349, 8833, 11133, 19965, 21781, 30613, \text{ or } 32913 \pmod{33396}$ except $n = 8349, 8833, 11133$

*continued on next page*

Table 120: Superspectra for  $p = 121$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
121	70	$n \equiv 1, 2905, 3025, 9681, 9801, 12705, 19481, \text{ or } 27105 \pmod{33880}$ except $n = 2905, 3025, 9681, 9801, 12705$
121	71	$n \equiv 1, 5325, 20449, \text{ or } 25773 \pmod{34364}$ except $n = 5325$
121	72	$n \equiv 1, 1089, 15489, \text{ or } 20449 \pmod{34848}$ except $n = 1089, 15489$
121	73	$n \equiv 1, 8833, 21901, \text{ or } 22265 \pmod{35332}$ except $n = 8833$
121	74	$n \equiv 1, 5809, 16577, \text{ or } 22385 \pmod{35816}$ except $n = 5809, 16577$
121	75	$n \equiv 1, 3025, 5325, 9801, 17425, 21901, 24201, \text{ or } 27225 \pmod{36300}$ except $n = 3025, 5325, 9801, 17425$
121	76	$n \equiv 1, 6897, 19361, \text{ or } 24321 \pmod{36784}$ except $n = 6897$
121	77	$n \equiv 1, 9317, 19965, \text{ or } 26621 \pmod{37268}$ except $n = 9317$
121	78	$n \equiv 1, 5929, 12585, 14521, 18513, 20449, 27105, \text{ or } 33033 \pmod{37752}$ except $n = 5929, 12585, 14521, 18513$
121	79	$n \equiv 1, 28677, 32549, \text{ or } 34365 \pmod{38236}$
121	80	$n \equiv 1, 7745, 24321, \text{ or } 32065 \pmod{38720}$ except $n = 7745$
121	81	$n \equiv 1, 9801, 19845, \text{ or } 29161 \pmod{39204}$ except $n = 9801$
121	82	$n \equiv 1, 4961, 17425, \text{ or } 27225 \pmod{39688}$ except $n = 4961, 17425$
121	83	$n \equiv 1, 2905, 27225, \text{ or } 30129 \pmod{40172}$ except $n = 2905$
121	84	$n \equiv 1, 3025, 9681, 12705, 23233, 26257, 27105, \text{ or } 30129 \pmod{40656}$ except $n = 3025, 9681, 12705$
121	85	$n \equiv 1, 10285, 17425, 17545, 24685, 26741, 33881, \text{ or } 34001 \pmod{41140}$ except $n = 10285, 17425, 17545$
121	86	$n \equiv 1, 15609, 17545, \text{ or } 39689 \pmod{41624}$ except $n = 15609, 17545$
121	87	$n \equiv 1, 11253, 14037, 17545, 20329, 31581, 34365, \text{ or } 39325 \pmod{42108}$ except $n = 11253, 14037, 17545, 20329$
121	88	$n \equiv 1 \text{ or } 35937 \pmod{42592}$
121	89	$n \equiv 1, 10769, 18513, \text{ or } 35333 \pmod{43076}$ except $n = 10769, 18513$

*continued on next page*

Table 120: Superspectra for  $p = 121$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
121	90	$n \equiv 1, 3025, 9801, 17425, 24201, 27225, 29161, \text{ or } 41625 \pmod{43560}$ except $n = 3025, 9801, 17425$
121	91	$n \equiv 1, 5929, 6293, 26741, 27105, 33033, 33397, \text{ or } 43681 \pmod{44044}$ except $n = 5929, 6293$
121	92	$n \equiv 1, 8833, 32913, \text{ or } 41745 \pmod{44528}$ except $n = 8833$
121	93	$n \equiv 1, 11253, 19965, 21297, 26257, 30009, 34969, \text{ or } 36301 \pmod{45012}$ except $n = 11253, 19965, 21297$
121	94	$n \equiv 1, 4841, 34969, \text{ or } 39809 \pmod{45496}$ except $n = 4841$
121	95	$n \equiv 1, 10165, 15125, 19361, 24321, 34485, 36785, \text{ or } 43681 \pmod{45980}$ except $n = 10165, 15125, 19361$
121	96	$n \equiv 1, 8833, 15489, \text{ or } 24321 \pmod{46464}$ except $n = 8833, 15489$
121	97	$n \equiv 1, 485, 11253, \text{ or } 11737 \pmod{46948}$ except $n = 485, 11253, 11737$
121	98	$n \equiv 1, 5929, 9801, \text{ or } 43561 \pmod{47432}$ except $n = 5929, 9801$
121	99	$n \equiv 1, 35937, 37269, \text{ or } 46585 \pmod{47916}$
121	100	$n \equiv 1, 3025, 17425, \text{ or } 34001 \pmod{48400}$ except $n = 3025, 17425$
121	101	$n \equiv 1, 12221, 23837, \text{ or } 37269 \pmod{48884}$ except $n = 12221, 23837$
121	102	$n \equiv 1, 969, 1089, 17425, 17545, 18513, 32913, \text{ or } 34969 \pmod{49368}$ except $n = 969, 1089, 17425, 17545, 18513$
121	103	$n \equiv 1, 4841, 32549, \text{ or } 37389 \pmod{49852}$ except $n = 4841$
121	104	$n \equiv 1, 20449, 27105, \text{ or } 43681 \pmod{50336}$ except $n = 20449$
121	105	$n \equiv 1, 2541, 2905, 3025, 9681, 9801, 10165, 12705, 16941,$ $19845, 19965, 27105, 36421, 43561, 43681, \text{ or } 46585 \pmod{50820}$ except $n = 2541, 2905, 3025, 9681, 9801,$ $10165, 12705, 16941, 19845, 19965$
121	106	$n \equiv 1, 32065, 32913, \text{ or } 50457 \pmod{51304}$
121	107	$n \equiv 1, 10165, 28677, \text{ or } 38841 \pmod{51788}$ except $n = 10165$
121	108	$n \equiv 1, 3025, 32913, \text{ or } 35937 \pmod{52272}$ except $n = 3025$
121	109	$n \equiv 1, 13189, 25289, \text{ or } 40657 \pmod{52756}$ except $n = 13189, 25289$

*continued on next page*

Table 120: Superspectra for  $p = 121$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
121	110	$n \equiv 1, 14641, 31945, \text{ or } 46585 \pmod{53240}$ except $n = 14641$
121	111	$n \equiv 1, 4477, 5809, 34485, 35817, 40293, 41625, \text{ or } 52393 \pmod{53724}$ except $n = 4477, 5809$
121	112	$n \equiv 1, 16577, 23233, \text{ or } 39809 \pmod{54208}$ except $n = 16577, 23233$
121	113	$n \equiv 1, 13673, 29041, \text{ or } 39325 \pmod{54692}$ except $n = 13673$
121	114	$n \equiv 1, 969, 5929, 6897, 18393, 24321, 37753, \text{ or } 43681 \pmod{55176}$ except $n = 969, 5929, 6897, 18393, 24321$
121	115	$n \equiv 1, 19481, 19965, 21781, 22265, 41745, 44045, \text{ or } 53361 \pmod{55660}$ except $n = 19481, 19965, 21781, 22265$
121	116	$n \equiv 1, 45617, 48401, \text{ or } 53361 \pmod{56144}$
121	117	$n \equiv 1, 14157, 18513, 20449, 24805, 45981, 50337, \text{ or } 52273 \pmod{56628}$ except $n = 14157, 18513, 20449, 24805$
121	118	$n \equiv 1, 21417, 26137, \text{ or } 52393 \pmod{57112}$ except $n = 21417, 26137$
121	119	$n \equiv 1, 9317, 16457, 26741, 33881, 43197, 50337, \text{ or } 50457 \pmod{57596}$ except $n = 9317, 16457, 26741$
121	120	$n \equiv 1, 12705, 24321, 27105, 32065, 38721, 43681, \text{ or } 46465 \pmod{58080}$ except $n = 12705, 24321, 27105$
121	121	$n \equiv 1 \text{ or } 14641 \pmod{58564}$ except $n = 14641$
121	122	$n \equiv 1, 14641, 22265, \text{ or } 36905 \pmod{59048}$ except $n = 14641, 22265$
121	123	$n \equiv 1, 7381, 17425, 19845, 24805, 27225, 37269, \text{ or } 44649 \pmod{59532}$ except $n = 7381, 17425, 19845, 24805, 27225$
121	124	$n \equiv 1, 4961, 21297, \text{ or } 26257 \pmod{60016}$ except $n = 4961, 21297, 26257$
121	125	$n \equiv 1, 15125, 34001, \text{ or } 41625 \pmod{60500}$ except $n = 15125$
121	126	$n \equiv 1, 3025, 6777, 9801, 43561, 46585, 50337, \text{ or } 53361 \pmod{60984}$ except $n = 3025, 6777, 9801$
121	127	$n \equiv 1, 2541, 43561, \text{ or } 46101 \pmod{61468}$ except $n = 2541$
121	128	$n \equiv 1 \text{ or } 55297 \pmod{61952}$

Table 121: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 122$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
122	2	$n \equiv 1$ or $305 \pmod{976}$ except $n = 305$
122	3	$n \equiv 1, 489, 793,$ or $1281 \pmod{1464}$ except $n = 489$
122	4	$n \equiv 1$ or $1281 \pmod{1952}$
122	5	$n \equiv 1, 305, 1281,$ or $1465 \pmod{2440}$ except $n = 305$
122	6	$n \equiv 1, 1281, 1953,$ or $2257 \pmod{2928}$ except $n = 1281$
122	7	$n \equiv 1, 1281, 1953,$ or $2745 \pmod{3416}$ except $n = 1281$
122	8	$n \equiv 1$ or $1281 \pmod{3904}$ except $n = 1281$
122	9	$n \equiv 1, 793, 1953,$ or $2745 \pmod{4392}$ except $n = 793, 1953$
122	10	$n \equiv 1, 305, 1281,$ or $3905 \pmod{4880}$ except $n = 305, 1281$
122	11	$n \equiv 1, 793, 3905,$ or $4697 \pmod{5368}$ except $n = 793$
122	12	$n \equiv 1, 1281, 1953,$ or $5185 \pmod{5856}$ except $n = 1281, 1953$
122	13	$n \equiv 1, 793, 1769,$ or $5369 \pmod{6344}$ except $n = 793, 1769$
122	14	$n \equiv 1, 1281, 1953,$ or $6161 \pmod{6832}$ except $n = 1281, 1953$
122	15	$n \equiv 1, 1281, 1465, 2745, 3721, 4881, 5185,$ or $6345 \pmod{7320}$ except $n = 1281, 1465, 2745$
122	16	$n \equiv 1$ or $1281 \pmod{7808}$ except $n = 1281$
122	17	$n \equiv 1, 1769, 3417,$ or $5185 \pmod{8296}$ except $n = 1769, 3417$
122	18	$n \equiv 1, 1953, 5185,$ or $7137 \pmod{8784}$ except $n = 1953$
122	19	$n \equiv 1, 305, 7809,$ or $8113 \pmod{9272}$ except $n = 305$
122	20	$n \equiv 1, 1281, 3905,$ or $5185 \pmod{9760}$ except $n = 1281, 3905$
122	21	$n \equiv 1, 1281, 1953, 2745, 3417, 8113, 8785,$ or $9577 \pmod{10248}$ except $n = 1281, 1953, 2745, 3417$
122	22	$n \equiv 1, 3905, 6161,$ or $10065 \pmod{10736}$ except $n = 3905$
122	23	$n \equiv 1, 4209, 4393,$ or $11041 \pmod{11224}$ except $n = 4209, 4393$
122	24	$n \equiv 1, 1281, 5185,$ or $7809 \pmod{11712}$ except $n = 1281, 5185$

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Table 121: Superspectra for  $p = 122$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
122	25	$n \equiv 1, 7625, 8601, \text{ or } 11225 \pmod{12200}$
122	26	$n \equiv 1, 7137, 8113, \text{ or } 11713 \pmod{12688}$
122	27	$n \equiv 1, 5185, 6345, \text{ or } 11529 \pmod{13176}$ except $n = 5185, 6345$
122	28	$n \equiv 1, 1281, 1953, \text{ or } 12993 \pmod{13664}$ except $n = 1281, 1953$
122	29	$n \equiv 1, 1769, 2929, \text{ or } 12993 \pmod{14152}$ except $n = 1769, 2929$
122	30	$n \equiv 1, 1281, 4881, 5185, 8785, 10065, 11041, \text{ or } 13665 \pmod{14640}$ except $n = 1281, 4881, 5185$
122	31	$n \equiv 1, 1953, 3721, \text{ or } 5673 \pmod{15128}$ except $n = 1953, 3721, 5673$
122	32	$n \equiv 1 \text{ or } 1281 \pmod{15616}$ except $n = 1281$
122	33	$n \equiv 1, 793, 9273, 10065, 10737, 11529, 14641, \text{ or } 15433 \pmod{16104}$ except $n = 793$
122	34	$n \equiv 1, 5185, 10065, \text{ or } 11713 \pmod{16592}$ except $n = 5185$
122	35	$n \equiv 1, 1281, 2745, 6161, 8785, 12201, 13665, \text{ or } 14945 \pmod{17080}$ except $n = 1281, 2745, 6161$
122	36	$n \equiv 1, 1953, 5185, \text{ or } 7137 \pmod{17568}$ except $n = 1953, 5185, 7137$
122	37	$n \equiv 1, 2257, 10065, \text{ or } 10249 \pmod{18056}$ except $n = 2257$
122	38	$n \equiv 1, 305, 7809, \text{ or } 8113 \pmod{18544}$ except $n = 305, 7809, 8113$
122	39	$n \equiv 1, 793, 6345, 7137, 8113, 11713, 14457, \text{ or } 18057 \pmod{19032}$ except $n = 793, 6345, 7137, 8113$
122	40	$n \equiv 1, 1281, 3905, \text{ or } 5185 \pmod{19520}$ except $n = 1281, 3905, 5185$
122	41	$n \equiv 1, 12505, 15129, \text{ or } 17385 \pmod{20008}$
122	42	$n \equiv 1, 1281, 1953, 8113, 8785, 12993, 13665, \text{ or } 19825 \pmod{20496}$ except $n = 1281, 1953, 8113, 8785$
122	43	$n \equiv 1, 8601, 9761, \text{ or } 18361 \pmod{20984}$ except $n = 8601, 9761$
122	44	$n \equiv 1, 3905, 16897, \text{ or } 20801 \pmod{21472}$ except $n = 3905$
122	45	$n \equiv 1, 2745, 5185, 6345, 8785, 15921, 18361, \text{ or } 19521 \pmod{21960}$ except $n = 2745, 5185, 6345, 8785$

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Table 121: Superspectra for  $p = 122$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
122	46	$n \equiv 1, 4209, 11041, \text{ or } 15617 \pmod{22448}$ except $n = 4209, 11041$
122	47	$n \equiv 1, 2257, 6345, \text{ or } 8601 \pmod{22936}$ except $n = 2257, 6345, 8601$
122	48	$n \equiv 1, 1281, 7809, \text{ or } 16897 \pmod{23424}$ except $n = 1281, 7809$
122	49	$n \equiv 1, 2745, 12201, \text{ or } 14945 \pmod{23912}$ except $n = 2745$
122	50	$n \equiv 1, 19825, 20801, \text{ or } 23425 \pmod{24400}$
122	51	$n \equiv 1, 3417, 5185, 10065, 11713, 16593, 18361, \text{ or } 21777 \pmod{24888}$ except $n = 3417, 5185, 10065, 11713$
122	52	$n \equiv 1, 7137, 11713, \text{ or } 20801 \pmod{25376}$ except $n = 7137, 11713$
122	53	$n \equiv 1, 3233, 11713, \text{ or } 17385 \pmod{25864}$ except $n = 3233, 11713$
122	54	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{26352}$ except $n = 5185$
122	55	$n \equiv 1, 3905, 6161, 10065, 14641, 16105, 20801, \text{ or } 22265 \pmod{26840}$ except $n = 3905, 6161, 10065$
122	56	$n \equiv 1, 1281, 12993, \text{ or } 15617 \pmod{27328}$ except $n = 1281, 12993$
122	57	$n \equiv 1, 7809, 8113, 9273, 9577, 17385, 18849, \text{ or } 26353 \pmod{27816}$ except $n = 7809, 8113, 9273, 9577$
122	58	$n \equiv 1, 2929, 12993, \text{ or } 15921 \pmod{28304}$ except $n = 2929, 12993$
122	59	$n \equiv 1, 5369, 19825, \text{ or } 25193 \pmod{28792}$ except $n = 5369$
122	60	$n \equiv 1, 1281, 5185, 11041, 13665, 19521, 23425, \text{ or } 24705 \pmod{29280}$ except $n = 1281, 5185, 11041, 13665$
122	61	$n \equiv 1 \text{ or } 3721 \pmod{29768}$ except $n = 3721$
122	62	$n \equiv 1, 1953, 18849, \text{ or } 20801 \pmod{30256}$ except $n = 1953$
122	63	$n \equiv 1, 1953, 2745, 8785, 9577, 11529, 18361, \text{ or } 23913 \pmod{30744}$ except $n = 1953, 2745, 8785, 9577, 11529$
122	64	$n \equiv 1 \text{ or } 16897 \pmod{31232}$
122	65	$n \equiv 1, 6345, 13481, 19825, 20801, 24401, 27145, \text{ or } 30745 \pmod{31720}$ except $n = 6345, 13481$

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Table 121: Superspectra for  $p = 122$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
122	66	$n \equiv 1, 10065, 10737, 14641, 16897, 25377, 27633, \text{ or } 31537 \pmod{32208}$ except $n = 10065, 10737, 14641$
122	67	$n \equiv 1, 3417, 25193, \text{ or } 28609 \pmod{32696}$ except $n = 3417$
122	68	$n \equiv 1, 5185, 11713, \text{ or } 26657 \pmod{33184}$ except $n = 5185, 11713$
122	69	$n \equiv 1, 4209, 4393, 11041, 15433, 22449, 26841, \text{ or } 33489 \pmod{33672}$ except $n = 4209, 4393, 11041, 15433$
122	70	$n \equiv 1, 1281, 6161, 8785, 13665, 14945, 19825, \text{ or } 29281 \pmod{34160}$ except $n = 1281, 6161, 8785, 13665, 14945$
122	71	$n \equiv 1, 3905, 9089, \text{ or } 12993 \pmod{34648}$ except $n = 3905, 9089, 12993$
122	72	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{35136}$ except $n = 5185$
122	73	$n \equiv 1, 22265, 26353, \text{ or } 31537 \pmod{35624}$
122	74	$n \equiv 1, 2257, 10065, \text{ or } 28305 \pmod{36112}$ except $n = 2257, 10065$
122	75	$n \equiv 1, 8601, 12201, 19825, 23425, 32025, 33001, \text{ or } 35625 \pmod{36600}$ except $n = 8601, 12201$
122	76	$n \equiv 1, 7809, 18849, \text{ or } 26657 \pmod{37088}$ except $n = 7809$
122	77	$n \equiv 1, 4697, 5369, 6161, 11529, 30745, 36113, \text{ or } 36905 \pmod{37576}$ except $n = 4697, 5369, 6161, 11529$
122	78	$n \equiv 1, 7137, 8113, 11713, 19825, 25377, 33489, \text{ or } 37089 \pmod{38064}$ except $n = 7137, 8113, 11713$
122	79	$n \equiv 1, 14457, 22753, \text{ or } 30257 \pmod{38552}$ except $n = 14457$
122	80	$n \equiv 1, 1281, 23425, \text{ or } 24705 \pmod{39040}$ except $n = 1281$
122	81	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{39528}$ except $n = 5185, 19521$
122	82	$n \equiv 1, 32513, 35137, \text{ or } 37393 \pmod{40016}$
122	83	$n \equiv 1, 12201, 23241, \text{ or } 35441 \pmod{40504}$ except $n = 12201$
122	84	$n \equiv 1, 1281, 1953, 12993, 13665, 28609, 29281, \text{ or } 40321 \pmod{40992}$ except $n = 1281, 1953, 12993, 13665$
122	85	$n \equiv 1, 5185, 10065, 13481, 18361, 28305, 33185, \text{ or } 36601 \pmod{41480}$ except $n = 5185, 10065, 13481, 18361$

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Table 121: Superspectra for  $p = 122$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
122	86	$n \equiv 1, 9761, 29585, \text{ or } 39345 \pmod{41968}$ except $n = 9761$
122	87	$n \equiv 1, 2929, 12993, 15921, 27145, 28305, 30073, \text{ or } 31233 \pmod{42456}$ except $n = 2929, 12993, 15921$
122	88	$n \equiv 1, 3905, 16897, \text{ or } 20801 \pmod{42944}$ except $n = 3905, 16897, 20801$
122	89	$n \equiv 1, 27145, 29281, \text{ or } 41297 \pmod{43432}$
122	90	$n \equiv 1, 5185, 8785, 15921, 19521, 24705, 28305, \text{ or } 40321 \pmod{43920}$ except $n = 5185, 8785, 15921, 19521$
122	91	$n \equiv 1, 5369, 8113, 19033, 19825, 30745, 33489, \text{ or } 38857 \pmod{44408}$ except $n = 5369, 8113, 19033, 19825$
122	92	$n \equiv 1, 11041, 15617, \text{ or } 26657 \pmod{44896}$ except $n = 11041, 15617$
122	93	$n \equiv 1, 1953, 3721, 5673, 15129, 18849, 32209, \text{ or } 35929 \pmod{45384}$ except $n = 1953, 3721, 5673, 15129, 18849$
122	94	$n \equiv 1, 2257, 29281, \text{ or } 31537 \pmod{45872}$ except $n = 2257$
122	95	$n \equiv 1, 305, 17081, 17385, 18545, 28121, 35625, \text{ or } 45201 \pmod{46360}$ except $n = 305, 17081, 17385, 18545$
122	96	$n \equiv 1, 1281, 16897, \text{ or } 31233 \pmod{46848}$ except $n = 1281, 16897$
122	97	$n \equiv 1, 13969, 15617, \text{ or } 29585 \pmod{47336}$ except $n = 13969, 15617$
122	98	$n \equiv 1, 14945, 26657, \text{ or } 36113 \pmod{47824}$ except $n = 14945$
122	99	$n \equiv 1, 793, 10737, 11529, 30745, 31537, 41481, \text{ or } 42273 \pmod{48312}$ except $n = 793, 10737, 11529$
122	100	$n \equiv 1, 20801, 23425, \text{ or } 44225 \pmod{48800}$ except $n = 20801, 23425$
122	101	$n \equiv 1, 2929, 3233, \text{ or } 6161 \pmod{49288}$ except $n = 2929, 3233, 6161$
122	102	$n \equiv 1, 5185, 10065, 11713, 16593, 21777, 28305, \text{ or } 43249 \pmod{49776}$ except $n = 5185, 10065, 11713, 16593, 21777$
122	103	$n \equiv 1, 18849, 20497, \text{ or } 48617 \pmod{50264}$ except $n = 18849, 20497$
122	104	$n \equiv 1, 11713, 20801, \text{ or } 32513 \pmod{50752}$ except $n = 11713, 20801$

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Table 121: Superspectra for  $p = 122$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
122	105	$n \equiv 1, 1281, 2745, 8785, 12201, 13665, 18361, 19825, 23241,$ $29281, 30745, 32025, 34161, 40321, 42945, \text{ or } 49105 \pmod{51240}$ except $n = 1281, 2745, 8785, 12201, 13665, 18361, 19825, 23241$
122	106	$n \equiv 1, 3233, 11713, \text{ or } 43249 \pmod{51728}$ except $n = 3233, 11713$
122	107	$n \equiv 1, 20009, 25681, \text{ or } 45689 \pmod{52216}$ except $n = 20009, 25681$
122	108	$n \equiv 1, 5185, 19521, \text{ or } 24705 \pmod{52704}$ except $n = 5185, 19521, 24705$
122	109	$n \equiv 1, 6649, 21473, \text{ or } 38369 \pmod{53192}$ except $n = 6649, 21473$
122	110	$n \equiv 1, 3905, 6161, 10065, 14641, 20801, 42945, \text{ or } 49105 \pmod{53680}$ except $n = 3905, 6161, 10065, 14641, 20801$
122	111	$n \equiv 1, 2257, 10065, 10249, 18057, 20313, 28305, \text{ or } 46177 \pmod{54168}$ except $n = 2257, 10065, 10249, 18057, 20313$
122	112	$n \equiv 1, 1281, 15617, \text{ or } 40321 \pmod{54656}$ except $n = 1281, 15617$
122	113	$n \equiv 1, 34465, 44409, \text{ or } 45201 \pmod{55144}$
122	114	$n \equiv 1, 7809, 8113, 18849, 26353, 37089, 37393, \text{ or } 45201 \pmod{55632}$ except $n = 7809, 8113, 18849, 26353$
122	115	$n \equiv 1, 11041, 11225, 22265, 26841, 37881, 38065, \text{ or } 49105 \pmod{56120}$ except $n = 11041, 11225, 22265, 26841$
122	116	$n \equiv 1, 12993, 31233, \text{ or } 44225 \pmod{56608}$ except $n = 12993$
122	117	$n \equiv 1, 793, 6345, 7137, 27145, 30745, 33489, \text{ or } 37089 \pmod{57096}$ except $n = 793, 6345, 7137, 27145$
122	118	$n \equiv 1, 19825, 34161, \text{ or } 53985 \pmod{57584}$ except $n = 19825$
122	119	$n \equiv 1, 3417, 18361, 21777, 26657, 30073, 49777, \text{ or } 53193 \pmod{58072}$ except $n = 3417, 18361, 21777, 26657$
122	120	$n \equiv 1, 1281, 5185, 19521, 23425, 24705, 40321, \text{ or } 42945 \pmod{58560}$ except $n = 1281, 5185, 19521, 23425, 24705$
122	121	$n \equiv 1, 14641, 22265, \text{ or } 36905 \pmod{59048}$ except $n = 14641, 22265$
122	122	$n \equiv 1 \text{ or } 33489 \pmod{59536}$

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Table 121: Superspectra for  $p = 122$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
122	123	$n \equiv 1, 12505, 15129, 17385, 35137, 37393, 40017, \text{ or } 52521 \pmod{60024}$ except $n = 12505, 15129, 17385$
122	124	$n \equiv 1, 1953, 18849, \text{ or } 20801 \pmod{60512}$ except $n = 1953, 18849, 20801$
122	125	$n \equiv 1, 7625, 33001, \text{ or } 35625 \pmod{61000}$ except $n = 7625$
122	126	$n \equiv 1, 1953, 8785, 33489, 40321, 42273, 49105, \text{ or } 54657 \pmod{61488}$ except $n = 1953, 8785$
122	127	$n \equiv 1, 23241, 32513, \text{ or } 52705 \pmod{61976}$ except $n = 23241$
122	128	$n \equiv 1 \text{ or } 48129 \pmod{62464}$

Table 122: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 123$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	2	$n \equiv 1, 369, 657, \text{ or } 697 \pmod{984}$ except $n = 369$
123	3	$n \equiv 1, 369, 657, \text{ or } 1189 \pmod{1476}$ except $n = 369, 657$
123	4	$n \equiv 1, 369, 657, \text{ or } 1681 \pmod{1968}$ except $n = 369, 657$
123	5	$n \equiv 1, 165, 205, 861, 985, 1641, 1681, \text{ or } 1845 \pmod{2460}$ except $n = 165, 205, 861, 985$
123	6	$n \equiv 1, 369, 657, \text{ or } 2665 \pmod{2952}$ except $n = 369, 657$
123	7	$n \equiv 1, 861, 1149, 1477, 1681, 2625, 2829, \text{ or } 3157 \pmod{3444}$ except $n = 861, 1149, 1477, 1681$
123	8	$n \equiv 1, 2337, 2625, \text{ or } 3649 \pmod{3936}$
123	9	$n \equiv 1, 1189, 2133, \text{ or } 3321 \pmod{4428}$ except $n = 1189, 2133$
123	10	$n \equiv 1, 985, 1641, 1681, 2625, 2665, 3321, \text{ or } 4305 \pmod{4920}$ except $n = 985, 1641, 1681$
123	11	$n \equiv 1, 165, 1189, 1353, 1969, 3157, 3609, \text{ or } 4797 \pmod{5412}$ except $n = 165, 1189, 1353, 1969$

*continued on next page*

Table 122: Superspectra for  $p = 123$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	12	$n \equiv 1, 369, 657, \text{ or } 5617 \pmod{5904}$ except $n = 369, 657$
123	13	$n \equiv 1, 1353, 2133, 2665, 3445, 4797, 5577, \text{ or } 5617 \pmod{6396}$ except $n = 1353, 2133, 2665$
123	14	$n \equiv 1, 1681, 2625, 4305, 4593, 4921, 6273, \text{ or } 6601 \pmod{6888}$ except $n = 1681, 2625$
123	15	$n \equiv 1, 1845, 2665, 3321, 4141, 5085, 5905, \text{ or } 6561 \pmod{7380}$ except $n = 1845, 2665, 3321$
123	16	$n \equiv 1, 2625, 3649, \text{ or } 6273 \pmod{7872}$ except $n = 2625, 3649$
123	17	$n \equiv 1, 205, 493, 697, 5577, 5781, 6069, \text{ or } 6273 \pmod{8364}$ except $n = 205, 493, 697$
123	18	$n \equiv 1, 3321, 5617, \text{ or } 6561 \pmod{8856}$ except $n = 3321$
123	19	$n \equiv 1, 2337, 3117, 3649, 4921, 6765, 8037, \text{ or } 8569 \pmod{9348}$ except $n = 2337, 3117, 3649$
123	20	$n \equiv 1, 1681, 2625, 4305, 5905, 6561, 7585, \text{ or } 8241 \pmod{9840}$ except $n = 1681, 2625, 4305$
123	21	$n \equiv 1, 1477, 6273, 7749, 8037, 8569, 9513, \text{ or } 10045 \pmod{10332}$ except $n = 1477$
123	22	$n \equiv 1, 1353, 1969, 3609, 5577, 6601, 8569, \text{ or } 10209 \pmod{10824}$ except $n = 1353, 1969, 3609$
123	23	$n \equiv 1, 369, 2461, 2829, 4141, 6601, 7545, \text{ or } 10005 \pmod{11316}$ except $n = 369, 2461, 2829, 4141$
123	24	$n \equiv 1, 6273, 6561, \text{ or } 11521 \pmod{11808}$
123	25	$n \equiv 1, 2625, 4101, 5125, 6601, 9225, 10701, \text{ or } 10825 \pmod{12300}$ except $n = 2625, 4101, 5125$
123	26	$n \equiv 1, 1353, 2665, 5577, 5617, 8529, 9841, \text{ or } 11193 \pmod{12792}$ except $n = 1353, 2665, 5577, 5617$
123	27	$n \equiv 1, 3321, 6561, \text{ or } 10045 \pmod{13284}$ except $n = 3321, 6561$
123	28	$n \equiv 1, 1681, 2625, 4305, 4593, 6273, 11809, \text{ or } 13489 \pmod{13776}$ except $n = 1681, 2625, 4305, 4593, 6273$

*continued on next page*

Table 122: Superspectra for  $p = 123$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	29	$n \equiv 1, 493, 697, 1189, 9513, 10005, 10209, \text{ or } 10701 \pmod{14268}$ except $n = 493, 697, 1189$
123	30	$n \equiv 1, 2665, 3321, 5905, 6561, 9225, 11521, \text{ or } 12465 \pmod{14760}$ except $n = 2665, 3321, 5905, 6561$
123	31	$n \equiv 1, 3813, 3937, 5085, 9021, 10045, 13981, \text{ or } 15129 \pmod{15252}$ except $n = 3813, 3937, 5085$
123	32	$n \equiv 1, 6273, 10497, \text{ or } 11521 \pmod{15744}$ except $n = 6273$
123	33	$n \equiv 1, 1189, 3609, 4797, 7381, 8569, 10989, \text{ or } 12177 \pmod{16236}$ except $n = 1189, 3609, 4797, 7381$
123	34	$n \equiv 1, 697, 5577, 6273, 8569, 8857, 14145, \text{ or } 14433 \pmod{16728}$ except $n = 697, 5577, 6273$
123	35	$n \equiv 1, 861, 1681, 2625, 3445, 4305, 4921, 5125, 6601,$ $8365, 10045, 11481, 13161, 14925, 16401, \text{ or } 16605 \pmod{17220}$ except $n = 861, 1681, 2625, 3445, 4305,$ $4921, 5125, 6601, 8365$
123	36	$n \equiv 1, 5617, 6561, \text{ or } 12177 \pmod{17712}$ except $n = 5617, 6561$
123	37	$n \equiv 1, 2665, 4921, 6069, 7585, 8733, 10989, \text{ or } 13653 \pmod{18204}$ except $n = 2665, 4921, 6069, 7585, 8733$
123	38	$n \equiv 1, 2337, 3649, 4921, 8569, 12465, 16113, \text{ or } 17385 \pmod{18696}$ except $n = 2337, 3649, 4921, 8569$
123	39	$n \equiv 1, 2133, 2665, 4797, 5617, 7749, 16237, \text{ or } 18369 \pmod{19188}$ except $n = 2133, 2665, 4797, 5617, 7749$
123	40	$n \equiv 1, 2625, 6561, 7585, 11521, 14145, 15745, \text{ or } 18081 \pmod{19680}$ except $n = 2625, 6561, 7585$
123	41	$n \equiv 1, 1681, 13449, \text{ or } 15129 \pmod{20172}$ except $n = 1681$
123	42	$n \equiv 1, 6273, 8569, 9513, 11809, 18081, 18369, \text{ or } 20377 \pmod{20664}$ except $n = 6273, 8569, 9513$
123	43	$n \equiv 1, 861, 4429, 5289, 7053, 11481, 14965, \text{ or } 19393 \pmod{21156}$ except $n = 861, 4429, 5289, 7053$

*continued on next page*

Table 122: Superspectra for  $p = 123$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	44	$n \equiv 1, 1969, 10209, 12177, 14433, 16401, 17425, \text{ or } 19393 \pmod{21648}$ except $n = 1969, 10209$
123	45	$n \equiv 1, 3321, 6561, 10045, 13285, 16605, 18901, \text{ or } 19845 \pmod{22140}$ except $n = 3321, 6561, 10045$
123	46	$n \equiv 1, 369, 6601, 7545, 13777, 14145, 15457, \text{ or } 21321 \pmod{22632}$ except $n = 369, 6601, 7545$
123	47	$n \equiv 1, 5781, 8037, 13161, 13489, 15417, 15745, \text{ or } 20869 \pmod{23124}$ except $n = 5781, 8037$
123	48	$n \equiv 1, 6273, 11521, \text{ or } 18369 \pmod{23616}$ except $n = 6273, 11521$
123	49	$n \equiv 1, 6273, 8037, 10045, 11809, 18081, 19845, \text{ or } 22345 \pmod{24108}$ except $n = 6273, 8037, 10045, 11809$
123	50	$n \equiv 1, 2625, 6601, 9225, 10825, 16401, 17425, \text{ or } 23001 \pmod{24600}$ except $n = 2625, 6601, 9225, 10825$
123	51	$n \equiv 1, 6273, 8569, 8857, 13941, 17425, 22509, \text{ or } 22797 \pmod{25092}$ except $n = 6273, 8569, 8857$
123	52	$n \equiv 1, 5617, 8529, 9841, 14145, 15457, 18369, \text{ or } 23985 \pmod{25584}$ except $n = 5617, 8529, 9841$
123	53	$n \equiv 1, 2173, 3445, 16113, 17385, 19557, 20829, \text{ or } 24805 \pmod{26076}$ except $n = 2173, 3445$
123	54	$n \equiv 1, 3321, 6561, \text{ or } 23329 \pmod{26568}$ except $n = 3321, 6561$
123	55	$n \equiv 1, 165, 6601, 6765, 7381, 9021, 10825, 13981, 15621,$ $16401, 17425, 18205, 19845, 23001, 24805, \text{ or } 26445 \pmod{27060}$ except $n = 165, 6601, 6765, 7381, 9021, 10825$
123	56	$n \equiv 1, 2625, 6273, 11809, 15457, 18081, 18369, \text{ or } 27265 \pmod{27552}$ except $n = 2625, 6273, 11809$
123	57	$n \equiv 1, 8037, 8569, 12465, 12997, 21033, 23617, \text{ or } 25461 \pmod{28044}$ except $n = 8037, 8569, 12465, 12997$
123	58	$n \equiv 1, 697, 9513, 10209, 14761, 15457, 24273, \text{ or } 24969 \pmod{28536}$ except $n = 697, 9513, 10209$

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Table 122: Superspectra for  $p = 123$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	59	$n \equiv 1, 7257, 8733, 16933, 17877, 18409, 19353, \text{ or } 27553 \pmod{29028}$ except $n = 7257, 8733$
123	60	$n \equiv 1, 5905, 6561, 11521, 12465, 17425, 18081, \text{ or } 23985 \pmod{29520}$ except $n = 5905, 6561, 11521, 12465$
123	61	$n \equiv 1, 5125, 7381, 10005, 12505, 15129, 17385, \text{ or } 22509 \pmod{30012}$ except $n = 5125, 7381, 10005, 12505$
123	62	$n \equiv 1, 3937, 15129, 19065, 20337, 24273, 25297, \text{ or } 29233 \pmod{30504}$ except $n = 3937, 15129$
123	63	$n \equiv 1, 7749, 10045, 16605, 18901, 19845, 22141, \text{ or } 28701 \pmod{30996}$ except $n = 7749, 10045$
123	64	$n \equiv 1, 10497, 11521, \text{ or } 22017 \pmod{31488}$ except $n = 10497, 11521$
123	65	$n \equiv 1, 2665, 3445, 9061, 9841, 14145, 14925, 20541, 21321,$ $23985, 24765, 24805, 25585, 30381, 31161, \text{ or } 31201 \pmod{31980}$ except $n = 2665, 3445, 9061, 9841, 14145, 14925$
123	66	$n \equiv 1, 3609, 8569, 12177, 17425, 21033, 23617, \text{ or } 27225 \pmod{32472}$ except $n = 3609, 8569, 12177$
123	67	$n \equiv 1, 8241, 10989, 14473, 15745, 25461, 26733, \text{ or } 30217 \pmod{32964}$ except $n = 8241, 10989, 14473, 15745$
123	68	$n \equiv 1, 6273, 14145, 14433, 17425, 22305, 25297, \text{ or } 25585 \pmod{33456}$ except $n = 6273, 14145, 14433$
123	69	$n \equiv 1, 369, 4141, 21321, 25093, 25461, 29233, \text{ or } 30177 \pmod{33948}$ except $n = 369, 4141$
123	70	$n \equiv 1, 1681, 2625, 4305, 4921, 6601, 11481, 13161, 16401,$ $18081, 20665, 22345, 25585, 27265, 32145, \text{ or } 33825 \pmod{34440}$ except $n = 1681, 2625, 4305, 4921, 6601, 11481, 13161, 16401$
123	71	$n \equiv 1, 8733, 15621, 16401, 20377, 23289, 27265, \text{ or } 28045 \pmod{34932}$ except $n = 8733, 15621, 16401$
123	72	$n \equiv 1, 6561, 23329, \text{ or } 29889 \pmod{35424}$ except $n = 6561$

*continued on next page*

Table 122: Superspectra for  $p = 123$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	73	$n \equiv 1, 657, 2337, 11973, 14965, 24601, 26281, \text{ or } 26937 \pmod{35916}$ except $n = 657, 2337, 11973, 14965$
123	74	$n \equiv 1, 2665, 4921, 7585, 24273, 26937, 29193, \text{ or } 31857 \pmod{36408}$ except $n = 2665, 4921, 7585$
123	75	$n \equiv 1, 9225, 10701, 17425, 18901, 27225, 28701, \text{ or } 35425 \pmod{36900}$ except $n = 9225, 10701, 17425$
123	76	$n \equiv 1, 2337, 3649, 12465, 16113, 23617, 27265, \text{ or } 36081 \pmod{37392}$ except $n = 2337, 3649, 12465, 16113$
123	77	$n \equiv 1, 3157, 6601, 8569, 12013, 16401, 19845, 21813, 25257,$ $28413, 29029, 31857, 32473, 33825, 34441, \text{ or } 37269 \pmod{37884}$ except $n = 3157, 6601, 8569, 12013, 16401$
123	78	$n \equiv 1, 2665, 5617, 18369, 21321, 23985, 26937, \text{ or } 35425 \pmod{38376}$ except $n = 2665, 5617, 18369$
123	79	$n \equiv 1, 2133, 7585, 9717, 12957, 20541, 28045, \text{ or } 35629 \pmod{38868}$ except $n = 2133, 7585, 9717, 12957$
123	80	$n \equiv 1, 2625, 11521, 14145, 15745, 26241, 27265, \text{ or } 37761 \pmod{39360}$ except $n = 2625, 11521, 14145, 15745$
123	81	$n \equiv 1, 6561, 23329, \text{ or } 29889 \pmod{39852}$ except $n = 6561$
123	82	$n \equiv 1, 1681, 13449, \text{ or } 15129 \pmod{40344}$ except $n = 1681, 13449, 15129$
123	83	$n \equiv 1, 3321, 6889, 10209, 16933, 23821, 27225, \text{ or } 34113 \pmod{40836}$ except $n = 3321, 6889, 10209, 16933$
123	84	$n \equiv 1, 6273, 11809, 18081, 18369, 29233, 30177, \text{ or } 41041 \pmod{41328}$ except $n = 6273, 11809, 18081, 18369$
123	85	$n \equiv 1, 205, 5781, 8365, 9061, 13941, 14145, 17221, 17425,$ $22305, 23001, 25585, 31161, 31365, 33661, \text{ or } 39525 \pmod{41820}$ except $n = 205, 5781, 8365, 9061, 13941, 14145, 17221, 17425$
123	86	$n \equiv 1, 5289, 11481, 19393, 22017, 25585, 28209, \text{ or } 36121 \pmod{42312}$ except $n = 5289, 11481, 19393$

*continued on next page*



Table 122: Superspectra for  $p = 123$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	87	$n \equiv 1, 1189, 9513, 10701, 14761, 24273, 29233, \text{ or } 38745 \pmod{42804}$ except $n = 1189, 9513, 10701, 14761$
123	88	$n \equiv 1, 10209, 14433, 19393, 23617, 33825, 38049, \text{ or } 39073 \pmod{43296}$ except $n = 10209, 14433, 19393$
123	89	$n \equiv 1, 3649, 6765, 11481, 21361, 26077, 29193, \text{ or } 32841 \pmod{43788}$ except $n = 3649, 6765, 11481, 21361$
123	90	$n \equiv 1, 3321, 6561, 32185, 35425, 38745, 41041, \text{ or } 41985 \pmod{44280}$ except $n = 3321, 6561$
123	91	$n \equiv 1, 3445, 7749, 11193, 12013, 14925, 15457, 18369, 25585,$ $26937, 29029, 30381, 37597, 40509, 41041, \text{ or } 43953 \pmod{44772}$ except $n = 3445, 7749, 11193, 12013, 14925, 15457, 18369$
123	92	$n \equiv 1, 369, 13777, 14145, 15457, 29233, 30177, \text{ or } 43953 \pmod{45264}$ except $n = 369, 13777, 14145, 15457$
123	93	$n \equiv 1, 5085, 10045, 15129, 19189, 24273, 29233, \text{ or } 34317 \pmod{45756}$ except $n = 5085, 10045, 15129, 19189$
123	94	$n \equiv 1, 13161, 13489, 15417, 15745, 28905, 31161, \text{ or } 43993 \pmod{46248}$ except $n = 13161, 13489, 15417, 15745$
123	95	$n \equiv 1, 4921, 6765, 11685, 12465, 17385, 22345, 25461, 27265,$ $28045, 30381, 31161, 32965, 36081, 41041, \text{ or } 45961 \pmod{46740}$ except $n = 4921, 6765, 11685, 12465, 17385, 22345$
123	96	$n \equiv 1, 6273, 11521, \text{ or } 41985 \pmod{47232}$ except $n = 6273, 11521$
123	97	$n \equiv 1, 9021, 15909, 19885, 26773, 35793, 40837, \text{ or } 42681 \pmod{47724}$ except $n = 9021, 15909, 19885$
123	98	$n \equiv 1, 6273, 11809, 18081, 22345, 32145, 34153, \text{ or } 43953 \pmod{48216}$ except $n = 6273, 11809, 18081, 22345$
123	99	$n \equiv 1, 1189, 10989, 12177, 19845, 21033, 39853, \text{ or } 41041 \pmod{48708}$ except $n = 1189, 10989, 12177, 19845, 21033$
123	100	$n \equiv 1, 2625, 16401, 17425, 31201, 33825, 35425, \text{ or } 47601 \pmod{49200}$ except $n = 2625, 16401, 17425$

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Table 122: Superspectra for  $p = 123$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	101	$n \equiv 1, 2829, 4141, 17877, 19393, 33129, 34441, \text{ or } 37269 \pmod{49692}$ except $n = 2829, 4141, 17877, 19393$
123	102	$n \equiv 1, 6273, 8569, 8857, 17425, 39033, 47601, \text{ or } 47889 \pmod{50184}$ except $n = 6273, 8569, 8857, 17425$
123	103	$n \equiv 1, 4429, 8241, 12669, 16893, 21321, 42025, \text{ or } 46453 \pmod{50676}$ except $n = 4429, 8241, 12669, 16893, 21321$
123	104	$n \equiv 1, 14145, 15457, 18369, 31201, 34113, 35425, \text{ or } 49569 \pmod{51168}$ except $n = 14145, 15457, 18369$
123	105	$n \equiv 1, 10045, 16605, 18081, 18901, 19845, 20665, 22141, 28701,$ $38745, 39565, 41041, 42805, 47601, 49365, \text{ or } 50841 \pmod{51660}$ except $n = 10045, 16605, 18081, 18901, 19845, 20665, 22141$
123	106	$n \equiv 1, 16113, 17385, 28249, 29521, 45633, 46905, \text{ or } 50881 \pmod{52152}$ except $n = 16113, 17385$
123	107	$n \equiv 1, 2461, 10701, 13161, 28249, 30709, 35097, \text{ or } 37557 \pmod{52644}$ except $n = 2461, 10701, 13161$
123	108	$n \equiv 1, 6561, 23329, \text{ or } 29889 \pmod{53136}$ except $n = 6561, 23329$
123	109	$n \equiv 1, 4797, 17877, 22345, 35425, 40221, 40549, \text{ or } 53301 \pmod{53628}$ except $n = 4797, 17877, 22345$
123	110	$n \equiv 1, 6601, 10825, 16401, 17425, 23001, 27225, 33825, 34441,$ $36081, 41041, 42681, 45265, 46905, 51865, \text{ or } 53505 \pmod{54120}$ except $n = 6601, 10825, 16401, 17425, 23001$
123	111	$n \equiv 1, 2665, 10989, 13653, 24273, 26937, 41329, \text{ or } 43993 \pmod{54612}$ except $n = 2665, 10989, 13653, 24273, 26937$
123	112	$n \equiv 1, 2625, 6273, 18369, 27265, 39361, 43009, \text{ or } 45633 \pmod{55104}$ except $n = 2625, 6273, 18369, 27265$
123	113	$n \equiv 1, 4633, 5085, 18081, 23617, 36613, 37065, \text{ or } 41697 \pmod{55596}$ except $n = 4633, 5085, 18081, 23617$
123	114	$n \equiv 1, 8569, 12465, 21033, 23617, 36081, 41041, \text{ or } 53505 \pmod{56088}$ except $n = 8569, 12465, 21033, 23617$

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Table 122: Superspectra for  $p = 123$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
123	115	$n \equiv 1, 2461, 4141, 6601, 7545, 10005, 11685, 14145, 18861,$ $21321, 23001, 25461, 45265, 47725, 49405, \text{ or } 51865 \pmod{56580}$ except $n = 2461, 4141, 6601, 7545, 10005, 11685,$ $14145, 18861, 21321, 23001, 25461$
123	116	$n \equiv 1, 10209, 15457, 24273, 29233, 38049, 43297, \text{ or } 53505 \pmod{57072}$ except $n = 10209, 15457, 24273$
123	117	$n \equiv 1, 2133, 5617, 7749, 35425, 37557, 41041, \text{ or } 43173 \pmod{57564}$ except $n = 2133, 5617, 7749$
123	118	$n \equiv 1, 7257, 18409, 19353, 27553, 37761, 45961, \text{ or } 46905 \pmod{58056}$ except $n = 7257, 18409, 19353, 27553$
123	119	$n \equiv 1, 6069, 6273, 8365, 8569, 14637, 16933, 17221, 25585,$ $25789, 34153, 39033, 47397, 47601, 55965, \text{ or } 56253 \pmod{58548}$ except $n = 6069, 6273, 8365, 8569, 14637,$ $16933, 17221, 25585, 25789$
123	120	$n \equiv 1, 6561, 11521, 18081, 35425, 41985, 46945, \text{ or } 53505 \pmod{59040}$ except $n = 6561, 11521, 18081$
123	121	$n \equiv 1, 7381, 17425, 19845, 24805, 27225, 37269, \text{ or } 44649 \pmod{59532}$ except $n = 7381, 17425, 19845, 24805, 27225$
123	122	$n \equiv 1, 12505, 15129, 17385, 35137, 37393, 40017, \text{ or } 52521 \pmod{60024}$ except $n = 12505, 15129, 17385$
123	123	$n \equiv 1, 15129, 21853, \text{ or } 53793 \pmod{60516}$ except $n = 15129, 21853$
123	124	$n \equiv 1, 3937, 20337, 24273, 25297, 29233, 45633, \text{ or } 49569 \pmod{61008}$ except $n = 3937, 20337, 24273, 25297, 29233$
123	125	$n \equiv 1, 2625, 5125, 23001, 23125, 41001, 43501, \text{ or } 46125 \pmod{61500}$ except $n = 2625, 5125, 23001, 23125$
123	126	$n \equiv 1, 38745, 41041, 47601, 49897, 50841, 53137, \text{ or } 59697 \pmod{61992}$
123	127	$n \equiv 1, 3937, 11685, 15621, 20829, 24765, 53341, \text{ or } 57277 \pmod{62484}$ except $n = 3937, 11685, 15621, 20829, 24765$
123	128	$n \equiv 1, 22017, 41985, \text{ or } 43009 \pmod{62976}$ except $n = 22017$

Table 123: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 124$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
124	2	$n \equiv 1$ or $961 \pmod{992}$
124	3	$n \equiv 1, 465, 961, \text{ or } 993 \pmod{1488}$ except $n = 465$
124	4	$n \equiv 1$ or $961 \pmod{1984}$ except $n = 961$
124	5	$n \equiv 1, 465, 961, \text{ or } 1985 \pmod{2480}$ except $n = 465, 961$
124	6	$n \equiv 1, 961, 993, \text{ or } 1953 \pmod{2976}$ except $n = 961, 993$
124	7	$n \equiv 1, 497, 1457, \text{ or } 1953 \pmod{3472}$ except $n = 497, 1457$
124	8	$n \equiv 1$ or $2945 \pmod{3968}$
124	9	$n \equiv 1, 1953, 2449, \text{ or } 3969 \pmod{4464}$ except $n = 1953$
124	10	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{4960}$ except $n = 961, 1985$
124	11	$n \equiv 1, 4433, 4929, \text{ or } 4961 \pmod{5456}$
124	12	$n \equiv 1, 961, 3969, \text{ or } 4929 \pmod{5952}$ except $n = 961$
124	13	$n \equiv 1, 1457, 2977, \text{ or } 4433 \pmod{6448}$ except $n = 1457, 2977$
124	14	$n \equiv 1, 1953, 3969, \text{ or } 4929 \pmod{6944}$ except $n = 1953$
124	15	$n \equiv 1, 465, 961, 2481, 3441, 4465, 5425, \text{ or } 6945 \pmod{7440}$ except $n = 465, 961, 2481, 3441$
124	16	$n \equiv 1$ or $6913 \pmod{7936}$
124	17	$n \equiv 1, 2449, 5457, \text{ or } 7905 \pmod{8432}$ except $n = 2449$
124	18	$n \equiv 1, 1953, 3969, \text{ or } 6913 \pmod{8928}$ except $n = 1953, 3969$
124	19	$n \equiv 1, 2945, 4465, \text{ or } 7905 \pmod{9424}$ except $n = 2945, 4465$
124	20	$n \equiv 1, 961, 1985, \text{ or } 2945 \pmod{9920}$ except $n = 961, 1985, 2945$
124	21	$n \equiv 1, 1953, 3969, 4929, 5425, 6945, 7441, \text{ or } 8401 \pmod{10416}$ except $n = 1953, 3969, 4929$
124	22	$n \equiv 1, 4929, 4961, \text{ or } 9889 \pmod{10912}$ except $n = 4929, 4961$
124	23	$n \equiv 1, 2945, 3473, \text{ or } 6417 \pmod{11408}$ except $n = 2945, 3473$
124	24	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{11904}$ except $n = 3969$

*continued on next page*

Table 123: Superspectra for  $p = 124$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
124	25	$n \equiv 1, 5425, 8401, \text{ or } 9425 \pmod{12400}$ except $n = 5425$
124	26	$n \equiv 1, 2977, 7905, \text{ or } 10881 \pmod{12896}$ except $n = 2977$
124	27	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{13392}$ except $n = 3969$
124	28	$n \equiv 1, 3969, 4929, \text{ or } 8897 \pmod{13888}$ except $n = 3969, 4929$
124	29	$n \equiv 1, 465, 9425, \text{ or } 9889 \pmod{14384}$ except $n = 465$
124	30	$n \equiv 1, 961, 6945, 7905, 9921, 10881, 11905, \text{ or } 12865 \pmod{14880}$ except $n = 961, 6945$
124	31	$n \equiv 1 \text{ or } 961 \pmod{15376}$ except $n = 961$
124	32	$n \equiv 1 \text{ or } 14849 \pmod{15872}$
124	33	$n \equiv 1, 4929, 5457, 9889, 10417, 15345, 15841, \text{ or } 15873 \pmod{16368}$ except $n = 4929, 5457$
124	34	$n \equiv 1, 7905, 10881, \text{ or } 13889 \pmod{16864}$ except $n = 7905$
124	35	$n \equiv 1, 5425, 6945, 7441, 8401, 14385, 15345, \text{ or } 15841 \pmod{17360}$ except $n = 5425, 6945, 7441, 8401$
124	36	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{17856}$ except $n = 3969, 6913$
124	37	$n \equiv 1, 3441, 5921, \text{ or } 15873 \pmod{18352}$ except $n = 3441, 5921$
124	38	$n \equiv 1, 2945, 7905, \text{ or } 13889 \pmod{18848}$ except $n = 2945, 7905$
124	39	$n \equiv 1, 2977, 7905, 10881, 12897, 14353, 15873, \text{ or } 17329 \pmod{19344}$ except $n = 2977, 7905$
124	40	$n \equiv 1, 2945, 10881, \text{ or } 11905 \pmod{19840}$ except $n = 2945$
124	41	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{20336}$ except $n = 3937, 4961, 8897$
124	42	$n \equiv 1, 1953, 3969, 4929, 6945, 15841, 17857, \text{ or } 18817 \pmod{20832}$ except $n = 1953, 3969, 4929, 6945$
124	43	$n \equiv 1, 3441, 13889, \text{ or } 17329 \pmod{21328}$ except $n = 3441$
124	44	$n \equiv 1, 4929, 15873, \text{ or } 20801 \pmod{21824}$ except $n = 4929$
124	45	$n \equiv 1, 4465, 10881, 15345, 15841, 17361, 20305, \text{ or } 21825 \pmod{22320}$ except $n = 4465, 10881$

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Table 123: Superspectra for  $p = 124$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
124	46	$n \equiv 1, 2945, 14881, \text{ or } 17825 \pmod{22816}$ except $n = 2945$
124	47	$n \equiv 1, 1457, 4465, \text{ or } 20305 \pmod{23312}$ except $n = 1457, 4465$
124	48	$n \equiv 1, 6913, 15873, \text{ or } 22785 \pmod{23808}$ except $n = 6913$
124	49	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{24304}$ except $n = 3969$
124	50	$n \equiv 1, 17825, 20801, \text{ or } 21825 \pmod{24800}$
124	51	$n \equiv 1, 2449, 5457, 7905, 8433, 10881, 22321, \text{ or } 24769 \pmod{25296}$ except $n = 2449, 5457, 7905, 8433, 10881$
124	52	$n \equiv 1, 10881, 15873, \text{ or } 20801 \pmod{25792}$ except $n = 10881$
124	53	$n \equiv 1, 4929, 11873, \text{ or } 19345 \pmod{26288}$ except $n = 4929, 11873$
124	54	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{26784}$ except $n = 3969, 6913, 10881$
124	55	$n \equiv 1, 4961, 10385, 15345, 15841, 20801, 21825, \text{ or } 26785 \pmod{27280}$ except $n = 4961, 10385$
124	56	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{27776}$ except $n = 3969$
124	57	$n \equiv 1, 4465, 7905, 12369, 17329, 18849, 21793, \text{ or } 23313 \pmod{28272}$ except $n = 4465, 7905, 12369$
124	58	$n \equiv 1, 9889, 14849, \text{ or } 23809 \pmod{28768}$ except $n = 9889$
124	59	$n \equiv 1, 10385, 13393, \text{ or } 23777 \pmod{29264}$ except $n = 10385, 13393$
124	60	$n \equiv 1, 961, 9921, 10881, 11905, 12865, 21825, \text{ or } 22785 \pmod{29760}$ except $n = 961, 9921, 10881, 11905, 12865$
124	61	$n \equiv 1, 1953, 18849, \text{ or } 20801 \pmod{30256}$ except $n = 1953$
124	62	$n \equiv 1 \text{ or } 961 \pmod{30752}$ except $n = 961$
124	63	$n \equiv 1, 1953, 3969, 15345, 15841, 17361, 17857, \text{ or } 29233 \pmod{31248}$ except $n = 1953, 3969, 15345$
124	64	$n \equiv 1 \text{ or } 30721 \pmod{31744}$
124	65	$n \equiv 1, 7905, 9425, 10881, 19345, 20801, 22321, \text{ or } 30225 \pmod{32240}$ except $n = 7905, 9425, 10881$

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Table 123: Superspectra for  $p = 124$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
124	66	$n \equiv 1, 4929, 9889, 15841, 15873, 21825, 26785, \text{ or } 31713 \pmod{32736}$ except $n = 4929, 9889, 15841, 15873$
124	67	$n \equiv 1, 10385, 12865, \text{ or } 30753 \pmod{33232}$ except $n = 10385, 12865$
124	68	$n \equiv 1, 10881, 13889, \text{ or } 24769 \pmod{33728}$ except $n = 10881, 13889$
124	69	$n \equiv 1, 6417, 11409, 14353, 14881, 25761, 26289, \text{ or } 29233 \pmod{34224}$ except $n = 6417, 11409, 14353, 14881$
124	70	$n \equiv 1, 6945, 15841, 22785, 24801, 25761, 31745, \text{ or } 32705 \pmod{34720}$ except $n = 6945, 15841$
124	71	$n \equiv 1, 497, 19313, \text{ or } 19809 \pmod{35216}$ except $n = 497$
124	72	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{35712}$ except $n = 3969, 6913, 10881$
124	73	$n \equiv 1, 15841, 19345, \text{ or } 32705 \pmod{36208}$ except $n = 15841$
124	74	$n \equiv 1, 5921, 15873, \text{ or } 21793 \pmod{36704}$ except $n = 5921, 15873$
124	75	$n \equiv 1, 5425, 8401, 21825, 24801, 30225, 33201, \text{ or } 34225 \pmod{37200}$ except $n = 5425, 8401$
124	76	$n \equiv 1, 2945, 13889, \text{ or } 26753 \pmod{37696}$ except $n = 2945, 13889$
124	77	$n \equiv 1, 4929, 10417, 10913, 15345, 15841, 21329, \text{ or } 26257 \pmod{38192}$ except $n = 4929, 10417, 10913, 15345, 15841$
124	78	$n \equiv 1, 2977, 7905, 10881, 12897, 15873, 33697, \text{ or } 36673 \pmod{38688}$ except $n = 2977, 7905, 10881, 12897, 15873$
124	79	$n \equiv 1, 2449, 11377, \text{ or } 30257 \pmod{39184}$ except $n = 2449, 11377$
124	80	$n \equiv 1, 22785, 30721, \text{ or } 31745 \pmod{39680}$
124	81	$n \equiv 1, 3969, 33697, \text{ or } 37665 \pmod{40176}$ except $n = 3969$
124	82	$n \equiv 1, 3937, 4961, \text{ or } 8897 \pmod{40672}$ except $n = 3937, 4961, 8897$
124	83	$n \equiv 1, 12865, 20833, \text{ or } 33201 \pmod{41168}$ except $n = 12865$
124	84	$n \equiv 1, 3969, 4929, 17857, 18817, 22785, 27777, \text{ or } 36673 \pmod{41664}$ except $n = 3969, 4929, 17857, 18817$
124	85	$n \equiv 1, 7905, 10881, 16865, 22321, 27745, 33201, \text{ or } 39185 \pmod{42160}$ except $n = 7905, 10881, 16865$

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Table 123: Superspectra for  $p = 124$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
124	86	$n \equiv 1, 13889, 24769, \text{ or } 38657 \pmod{42656}$ except $n = 13889$
124	87	$n \equiv 1, 465, 9889, 14385, 23809, 24273, 29233, \text{ or } 38193 \pmod{43152}$ except $n = 465, 9889, 14385$
124	88	$n \equiv 1, 15873, 26753, \text{ or } 42625 \pmod{43648}$ except $n = 15873$
124	89	$n \equiv 1, 19313, 22785, \text{ or } 40673 \pmod{44144}$ except $n = 19313$
124	90	$n \equiv 1, 10881, 15841, 21825, 26785, 37665, 39681, \text{ or } 42625 \pmod{44640}$ except $n = 10881, 15841, 21825$
124	91	$n \equiv 1, 1457, 35217, 36673, 38689, 40145, 41665, \text{ or } 43121 \pmod{45136}$ except $n = 1457$
124	92	$n \equiv 1, 2945, 37697, \text{ or } 40641 \pmod{45632}$ except $n = 2945$
124	93	$n \equiv 1, 961, 30753, \text{ or } 31713 \pmod{46128}$ except $n = 961$
124	94	$n \equiv 1, 24769, 27777, \text{ or } 43617 \pmod{46624}$
124	95	$n \equiv 1, 2945, 4465, 7905, 9425, 40641, 42161, \text{ or } 45601 \pmod{47120}$ except $n = 2945, 4465, 7905, 9425$
124	96	$n \equiv 1, 15873, 30721, \text{ or } 46593 \pmod{47616}$ except $n = 15873$
124	97	$n \equiv 1, 21825, 23281, \text{ or } 45105 \pmod{48112}$ except $n = 21825, 23281$
124	98	$n \equiv 1, 3969, 18817, \text{ or } 22785 \pmod{48608}$ except $n = 3969, 18817, 22785$
124	99	$n \equiv 1, 15345, 15841, 21825, 26785, 37665, 42625, \text{ or } 48609 \pmod{49104}$ except $n = 15345, 15841, 21825$
124	100	$n \equiv 1, 20801, 21825, \text{ or } 42625 \pmod{49600}$ except $n = 20801, 21825$
124	101	$n \equiv 1, 9393, 22321, \text{ or } 37169 \pmod{50096}$ except $n = 9393, 22321$
124	102	$n \equiv 1, 7905, 10881, 24769, 27745, 30753, 33729, \text{ or } 47617 \pmod{50592}$ except $n = 7905, 10881, 24769$
124	103	$n \equiv 1, 9889, 18849, \text{ or } 28737 \pmod{51088}$ except $n = 9889, 18849$
124	104	$n \equiv 1, 10881, 15873, \text{ or } 46593 \pmod{51584}$ except $n = 10881, 15873$

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Table 123: Superspectra for  $p = 124$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
124	105	$n \equiv 1, 5425, 6945, 7441, 8401, 14385, 15345, 15841, 17361,$ $22785, 24801, 25761, 33201, 41665, 49105, \text{ or } 50065 \pmod{52080}$ except $n = 5425, 6945, 7441, 8401, 14385, 15345,$ $15841, 17361, 22785, 24801, 25761$
124	106	$n \equiv 1, 4929, 11873, \text{ or } 45633 \pmod{52576}$ except $n = 4929, 11873$
124	107	$n \equiv 1, 5457, 37665, \text{ or } 43121 \pmod{53072}$ except $n = 5457$
124	108	$n \equiv 1, 3969, 6913, \text{ or } 10881 \pmod{53568}$ except $n = 3969, 6913, 10881$
124	109	$n \equiv 1, 37169, 44145, \text{ or } 47089 \pmod{54064}$
124	110	$n \equiv 1, 4961, 15841, 20801, 21825, 26785, 37665, \text{ or } 42625 \pmod{54560}$ except $n = 4961, 15841, 20801, 21825, 26785$
124	111	$n \equiv 1, 3441, 15873, 21793, 24273, 34225, 36705, \text{ or } 42625 \pmod{55056}$ except $n = 3441, 15873, 21793, 24273$
124	112	$n \equiv 1, 22785, 31745, \text{ or } 46593 \pmod{55552}$ except $n = 22785$
124	113	$n \equiv 1, 5425, 47121, \text{ or } 52545 \pmod{56048}$ except $n = 5425$
124	114	$n \equiv 1, 7905, 18849, 21793, 32737, 40641, 45601, \text{ or } 51585 \pmod{56544}$ except $n = 7905, 18849, 21793$
124	115	$n \equiv 1, 2945, 14881, 17825, 25761, 34225, 40641, \text{ or } 49105 \pmod{57040}$ except $n = 2945, 14881, 17825, 25761$
124	116	$n \equiv 1, 14849, 23809, \text{ or } 38657 \pmod{57536}$ except $n = 14849, 23809$
124	117	$n \equiv 1, 10881, 12897, 22321, 33697, 35217, 46593, \text{ or } 56017 \pmod{58032}$ except $n = 10881, 12897, 22321$
124	118	$n \equiv 1, 23777, 39649, \text{ or } 42657 \pmod{58528}$ except $n = 23777$
124	119	$n \equiv 1, 13889, 19313, 33201, 36177, 42161, 50065, \text{ or } 56049 \pmod{59024}$ except $n = 13889, 19313$
124	120	$n \equiv 1, 10881, 11905, 22785, 30721, 39681, 42625, \text{ or } 51585 \pmod{59520}$ except $n = 10881, 11905, 22785$
124	121	$n \equiv 1, 4961, 21297, \text{ or } 26257 \pmod{60016}$ except $n = 4961, 21297, 26257$
124	122	$n \equiv 1, 1953, 18849, \text{ or } 20801 \pmod{60512}$ except $n = 1953, 18849, 20801$

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Table 123: Superspectra for  $p = 124$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
124	123	$n \equiv 1, 3937, 20337, 24273, 25297, 29233, 45633, \text{ or } 49569 \pmod{61008}$ except $n = 3937, 20337, 24273, 25297, 29233$
124	124	$n \equiv 1 \text{ or } 961 \pmod{61504}$ except $n = 961$
124	125	$n \equiv 1, 42625, 46625, \text{ or } 58001 \pmod{62000}$
124	126	$n \equiv 1, 1953, 3969, 15841, 17857, 46593, 48609, \text{ or } 60481 \pmod{62496}$ except $n = 1953, 3969, 15841, 17857$
124	127	$n \equiv 1, 3937, 26289, \text{ or } 40641 \pmod{62992}$ except $n = 3937, 26289$
124	128	$n \equiv 1 \text{ or } 30721 \pmod{63488}$ except $n = 30721$

Table 124: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 125$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
125	2	$n \equiv 1 \text{ or } 625 \pmod{1000}$
125	3	$n \equiv 1, 501, 625, \text{ or } 1125 \pmod{1500}$ except $n = 501, 625$
125	4	$n \equiv 1 \text{ or } 625 \pmod{2000}$ except $n = 625$
125	5	$n \equiv 1 \text{ or } 625 \pmod{2500}$ except $n = 625$
125	6	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{3000}$ except $n = 625$
125	7	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{3500}$ except $n = 1001, 1625$
125	8	$n \equiv 1 \text{ or } 2625 \pmod{4000}$
125	9	$n \equiv 1, 1125, 2125, \text{ or } 3501 \pmod{4500}$ except $n = 1125, 2125$
125	10	$n \equiv 1 \text{ or } 625 \pmod{5000}$ except $n = 625$
125	11	$n \equiv 1, 1001, 3125, \text{ or } 4125 \pmod{5500}$ except $n = 1001$
125	12	$n \equiv 1, 625, 2001, \text{ or } 2625 \pmod{6000}$ except $n = 625, 2001, 2625$
125	13	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{6500}$ except $n = 625, 1001, 1625$
125	14	$n \equiv 1, 1001, 1625, \text{ or } 2625 \pmod{7000}$ except $n = 1001, 1625, 2625$

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Table 124: Superspectra for  $p = 125$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
125	15	$n \equiv 1, 625, 5001, \text{ or } 5625 \pmod{7500}$ except $n = 625$
125	16	$n \equiv 1 \text{ or } 2625 \pmod{8000}$ except $n = 2625$
125	17	$n \equiv 1, 2125, 4625, \text{ or } 6001 \pmod{8500}$ except $n = 2125$
125	18	$n \equiv 1, 5625, 6625, \text{ or } 8001 \pmod{9000}$
125	19	$n \equiv 1, 1501, 5625, \text{ or } 7125 \pmod{9500}$ except $n = 1501$
125	20	$n \equiv 1 \text{ or } 625 \pmod{10000}$ except $n = 625$
125	21	$n \equiv 1, 2625, 3501, 4501, 5125, 8001, 8625, \text{ or } 9625 \pmod{10500}$ except $n = 2625, 3501, 4501, 5125$
125	22	$n \equiv 1, 1001, 8625, \text{ or } 9625 \pmod{11000}$ except $n = 1001$
125	23	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{11500}$ except $n = 2001$
125	24	$n \equiv 1, 2625, 6625, \text{ or } 8001 \pmod{12000}$ except $n = 2625$
125	25	$n \equiv 1 \text{ or } 3125 \pmod{12500}$ except $n = 3125$
125	26	$n \equiv 1, 625, 1001, \text{ or } 1625 \pmod{13000}$ except $n = 625, 1001, 1625$
125	27	$n \equiv 1, 10125, 11125, \text{ or } 12501 \pmod{13500}$
125	28	$n \equiv 1, 2625, 8001, \text{ or } 8625 \pmod{14000}$ except $n = 2625$
125	29	$n \equiv 1, 1625, 2001, \text{ or } 3625 \pmod{14500}$ except $n = 1625, 2001, 3625$
125	30	$n \equiv 1, 625, 5001, \text{ or } 5625 \pmod{15000}$ except $n = 625, 5001, 5625$
125	31	$n \equiv 1, 125, 11501, \text{ or } 11625 \pmod{15500}$ except $n = 125$
125	32	$n \equiv 1 \text{ or } 10625 \pmod{16000}$
125	33	$n \equiv 1, 4125, 6501, 8625, 9625, 11001, 12001, \text{ or } 14125 \pmod{16500}$ except $n = 4125, 6501$
125	34	$n \equiv 1, 4625, 6001, \text{ or } 10625 \pmod{17000}$ except $n = 4625, 6001$
125	35	$n \equiv 1, 13125, 15001, \text{ or } 15625 \pmod{17500}$
125	36	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{18000}$ except $n = 6625, 8001$
125	37	$n \equiv 1, 4625, 5625, \text{ or } 17501 \pmod{18500}$ except $n = 4625, 5625$
125	38	$n \equiv 1, 5625, 11001, \text{ or } 16625 \pmod{19000}$ except $n = 5625$

*continued on next page*

Table 124: Superspectra for  $p = 125$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
125	39	$n \equiv 1, 625, 6501, 7125, 7501, 8125, 14001, \text{ or } 14625 \pmod{19500}$ except $n = 625, 6501, 7125, 7501, 8125$
125	40	$n \equiv 1 \text{ or } 10625 \pmod{20000}$
125	41	$n \equiv 1, 2501, 2625, \text{ or } 5125 \pmod{20500}$ except $n = 2501, 2625, 5125$
125	42	$n \equiv 1, 2625, 8001, 8625, 9625, 14001, 15001, \text{ or } 15625 \pmod{21000}$ except $n = 2625, 8001, 8625, 9625$
125	43	$n \equiv 1, 16125, 17501, \text{ or } 20125 \pmod{21500}$
125	44	$n \equiv 1, 8625, 12001, \text{ or } 20625 \pmod{22000}$ except $n = 8625$
125	45	$n \equiv 1, 5625, 12501, \text{ or } 15625 \pmod{22500}$ except $n = 5625$
125	46	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{23000}$ except $n = 2001, 6625, 8625$
125	47	$n \equiv 1, 17625, 18001, \text{ or } 23125 \pmod{23500}$
125	48	$n \equiv 1, 2625, 8001, \text{ or } 18625 \pmod{24000}$ except $n = 2625, 8001$
125	49	$n \equiv 1, 6125, 8625, \text{ or } 22001 \pmod{24500}$ except $n = 6125, 8625$
125	50	$n \equiv 1 \text{ or } 15625 \pmod{25000}$
125	51	$n \equiv 1, 2125, 6001, 13125, 17001, 19125, 21625, \text{ or } 23001 \pmod{25500}$ except $n = 2125, 6001$
125	52	$n \equiv 1, 625, 14001, \text{ or } 14625 \pmod{26000}$ except $n = 625$
125	53	$n \equiv 1, 6625, 11501, \text{ or } 21625 \pmod{26500}$ except $n = 6625, 11501$
125	54	$n \equiv 1, 23625, 24625, \text{ or } 26001 \pmod{27000}$
125	55	$n \equiv 1, 3125, 17501, \text{ or } 20625 \pmod{27500}$ except $n = 3125$
125	56	$n \equiv 1, 2625, 8001, \text{ or } 22625 \pmod{28000}$ except $n = 2625, 8001$
125	57	$n \equiv 1, 1501, 5625, 7125, 9501, 11001, 24625, \text{ or } 26125 \pmod{28500}$ except $n = 1501, 5625, 7125, 9501, 11001$
125	58	$n \equiv 1, 1625, 2001, \text{ or } 3625 \pmod{29000}$ except $n = 1625, 2001, 3625$
125	59	$n \equiv 1, 2125, 20001, \text{ or } 22125 \pmod{29500}$ except $n = 2125$
125	60	$n \equiv 1, 625, 20001, \text{ or } 20625 \pmod{30000}$ except $n = 625$
125	61	$n \equiv 1, 2501, 5125, \text{ or } 7625 \pmod{30500}$ except $n = 2501, 5125, 7625$

*continued on next page*

Table 124: Superspectra for  $p = 125$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
125	62	$n \equiv 1, 11625, 15625, \text{ or } 27001 \pmod{31000}$ except $n = 11625$
125	63	$n \equiv 1, 3501, 4501, 8001, 15625, 19125, 20125, \text{ or } 23625 \pmod{31500}$ except $n = 3501, 4501, 8001, 15625$
125	64	$n \equiv 1 \text{ or } 26625 \pmod{32000}$
125	65	$n \equiv 1, 625, 7501, \text{ or } 8125 \pmod{32500}$ except $n = 625, 7501, 8125$
125	66	$n \equiv 1, 8625, 9625, 11001, 12001, 20625, 23001, \text{ or } 30625 \pmod{33000}$ except $n = 8625, 9625, 11001, 12001$
125	67	$n \equiv 1, 25125, 27001, \text{ or } 31625 \pmod{33500}$
125	68	$n \equiv 1, 4625, 6001, \text{ or } 10625 \pmod{34000}$ except $n = 4625, 6001, 10625$
125	69	$n \equiv 1, 2001, 6625, 8625, 13501, 20125, 23001, \text{ or } 29625 \pmod{34500}$ except $n = 2001, 6625, 8625, 13501$
125	70	$n \equiv 1, 15001, 15625, \text{ or } 30625 \pmod{35000}$ except $n = 15001, 15625$
125	71	$n \equiv 1, 3125, 23501, \text{ or } 26625 \pmod{35500}$ except $n = 3125$
125	72	$n \equiv 1, 6625, 8001, \text{ or } 14625 \pmod{36000}$ except $n = 6625, 8001, 14625$
125	73	$n \equiv 1, 9125, 10001, \text{ or } 35625 \pmod{36500}$ except $n = 9125, 10001$
125	74	$n \equiv 1, 4625, 5625, \text{ or } 36001 \pmod{37000}$ except $n = 4625, 5625$
125	75	$n \equiv 1, 12501, 15625, \text{ or } 28125 \pmod{37500}$ except $n = 12501, 15625$
125	76	$n \equiv 1, 16625, 24625, \text{ or } 30001 \pmod{38000}$ except $n = 16625$
125	77	$n \equiv 1, 1001, 8625, 9625, 17501, 22001, 26125, \text{ or } 30625 \pmod{38500}$ except $n = 1001, 8625, 9625, 17501$
125	78	$n \equiv 1, 625, 14001, 14625, 26001, 26625, 27001, \text{ or } 27625 \pmod{39000}$ except $n = 625, 14001, 14625$
125	79	$n \equiv 1, 1501, 28125, \text{ or } 29625 \pmod{39500}$ except $n = 1501$
125	80	$n \equiv 1 \text{ or } 10625 \pmod{40000}$ except $n = 10625$
125	81	$n \equiv 1, 10125, 24625, \text{ or } 26001 \pmod{40500}$ except $n = 10125$
125	82	$n \equiv 1, 2625, 23001, \text{ or } 25625 \pmod{41000}$ except $n = 2625$
125	83	$n \equiv 1, 10625, 20501, \text{ or } 31125 \pmod{41500}$ except $n = 10625, 20501$

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Table 124: Superspectra for  $p = 125$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
125	84	$n \equiv 1, 2625, 8001, 8625, 14001, 30625, 36001, \text{ or } 36625 \pmod{42000}$ except $n = 2625, 8001, 8625, 14001$
125	85	$n \equiv 1, 10625, 13125, \text{ or } 40001 \pmod{42500}$ except $n = 10625, 13125$
125	86	$n \equiv 1, 37625, 39001, \text{ or } 41625 \pmod{43000}$
125	87	$n \equiv 1, 2001, 3625, 16125, 16501, 29001, 30625, \text{ or } 32625 \pmod{43500}$ except $n = 2001, 3625, 16125, 16501$
125	88	$n \equiv 1, 12001, 30625, \text{ or } 42625 \pmod{44000}$ except $n = 12001$
125	89	$n \equiv 1, 11125, 27501, \text{ or } 28125 \pmod{44500}$ except $n = 11125$
125	90	$n \equiv 1, 5625, 15625, \text{ or } 35001 \pmod{45000}$ except $n = 5625, 15625$
125	91	$n \equiv 1, 1001, 1625, 14001, 20125, 32501, 33125, \text{ or } 34125 \pmod{45500}$ except $n = 1001, 1625, 14001, 20125$
125	92	$n \equiv 1, 2001, 6625, \text{ or } 8625 \pmod{46000}$ except $n = 2001, 6625, 8625$
125	93	$n \equiv 1, 11625, 15501, 15625, 27001, 31125, 42501, \text{ or } 42625 \pmod{46500}$ except $n = 11625, 15501, 15625$
125	94	$n \equiv 1, 17625, 18001, \text{ or } 46625 \pmod{47000}$ except $n = 17625, 18001$
125	95	$n \equiv 1, 5625, 30001, \text{ or } 35625 \pmod{47500}$ except $n = 5625$
125	96	$n \equiv 1, 26625, 32001, \text{ or } 42625 \pmod{48000}$
125	97	$n \equiv 1, 12125, 18625, \text{ or } 42001 \pmod{48500}$ except $n = 12125, 18625$
125	98	$n \equiv 1, 8625, 22001, \text{ or } 30625 \pmod{49000}$ except $n = 8625, 22001$
125	99	$n \equiv 1, 37125, 39501, 41625, 42625, 44001, 45001, \text{ or } 47125 \pmod{49500}$
125	100	$n \equiv 1 \text{ or } 40625 \pmod{50000}$
125	101	$n \equiv 1, 12625, 22625, \text{ or } 40501 \pmod{50500}$ except $n = 12625, 22625$
125	102	$n \equiv 1, 6001, 17001, 21625, 23001, 27625, 38625, \text{ or } 44625 \pmod{51000}$ except $n = 6001, 17001, 21625, 23001$
125	103	$n \equiv 1, 11125, 27501, \text{ or } 38625 \pmod{51500}$ except $n = 11125$
125	104	$n \equiv 1, 14625, 26625, \text{ or } 40001 \pmod{52000}$ except $n = 14625$

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Table 124: Superspectra for  $p = 125$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
125	105	$n \equiv 1, 13125, 15001, 15625, 30625, 35001, 50001, \text{ or } 50625 \pmod{52500}$ except $n = 13125, 15001, 15625$
125	106	$n \equiv 1, 6625, 21625, \text{ or } 38001 \pmod{53000}$ except $n = 6625, 21625$
125	107	$n \equiv 1, 14125, 26001, \text{ or } 40125 \pmod{53500}$ except $n = 14125, 26001$
125	108	$n \equiv 1, 24625, 26001, \text{ or } 50625 \pmod{54000}$ except $n = 24625, 26001$
125	109	$n \equiv 1, 13625, 31501, \text{ or } 36625 \pmod{54500}$ except $n = 13625$
125	110	$n \equiv 1, 20625, 30625, \text{ or } 45001 \pmod{55000}$ except $n = 20625$
125	111	$n \equiv 1, 5625, 18501, 23125, 36001, 41625, 42625, \text{ or } 54501 \pmod{55500}$ except $n = 5625, 18501, 23125$
125	112	$n \equiv 1, 2625, 8001, \text{ or } 50625 \pmod{56000}$ except $n = 2625, 8001$
125	113	$n \equiv 1, 14125, 20001, \text{ or } 50625 \pmod{56500}$ except $n = 14125, 20001$
125	114	$n \equiv 1, 5625, 11001, 24625, 30001, 35625, 38001, \text{ or } 54625 \pmod{57000}$ except $n = 5625, 11001, 24625$
125	115	$n \equiv 1, 18125, 25001, \text{ or } 43125 \pmod{57500}$ except $n = 18125, 25001$
125	116	$n \equiv 1, 2001, 30625, \text{ or } 32625 \pmod{58000}$ except $n = 2001$
125	117	$n \equiv 1, 14625, 20125, 26001, 27001, 46125, 47125, \text{ or } 53001 \pmod{58500}$ except $n = 14625, 20125, 26001, 27001$
125	118	$n \equiv 1, 20001, 31625, \text{ or } 51625 \pmod{59000}$ except $n = 20001$
125	119	$n \equiv 1, 13125, 19125, 25501, 31501, 44625, 47125, \text{ or } 57001 \pmod{59500}$ except $n = 13125, 19125, 25501$
125	120	$n \equiv 1, 20001, 30625, \text{ or } 50625 \pmod{60000}$ except $n = 20001$
125	121	$n \equiv 1, 15125, 34001, \text{ or } 41625 \pmod{60500}$ except $n = 15125$
125	122	$n \equiv 1, 7625, 33001, \text{ or } 35625 \pmod{61000}$ except $n = 7625$
125	123	$n \equiv 1, 2625, 5125, 23001, 23125, 41001, 43501, \text{ or } 46125 \pmod{61500}$ except $n = 2625, 5125, 23001, 23125$
125	124	$n \equiv 1, 42625, 46625, \text{ or } 58001 \pmod{62000}$
125	125	$n \equiv 1 \text{ or } 15625 \pmod{62500}$ except $n = 15625$

*continued on next page*

Table 124: Superspectra for  $p = 125$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
125	126	$n \equiv 1, 8001, 15625, 23625, 35001, 36001, 50625, \text{ or } 51625 \pmod{63000}$ except $n = 8001, 15625, 23625$
125	127	$n \equiv 1, 8001, 39625, \text{ or } 47625 \pmod{63500}$ except $n = 8001$
125	128	$n \equiv 1 \text{ or } 26625 \pmod{64000}$ except $n = 26625$

Table 125: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 126$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	2	$n \equiv 1, 225, 721, \text{ or } 945 \pmod{1008}$ except $n = 225$
126	3	$n \equiv 1, 217, 729, \text{ or } 945 \pmod{1512}$ except $n = 217, 729$
126	4	$n \equiv 1, 225, 1729, \text{ or } 1953 \pmod{2016}$ except $n = 225$
126	5	$n \equiv 1, 225, 441, 505, 721, 945, 1225, \text{ or } 2241 \pmod{2520}$ except $n = 225, 441, 505, 721, 945, 1225$
126	6	$n \equiv 1, 945, 1729, \text{ or } 2241 \pmod{3024}$ except $n = 945$
126	7	$n \equiv 1, 441, 1225, \text{ or } 2745 \pmod{3528}$ except $n = 441, 1225$
126	8	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{4032}$ except $n = 1729$
126	9	$n \equiv 1, 729, 3241, \text{ or } 3969 \pmod{4536}$ except $n = 729$
126	10	$n \equiv 1, 225, 721, 945, 2241, 2961, 3025, \text{ or } 3745 \pmod{5040}$ except $n = 225, 721, 945, 2241$
126	11	$n \equiv 1, 441, 1233, 2233, 3025, 3465, 4257, \text{ or } 4753 \pmod{5544}$ except $n = 441, 1233, 2233$
126	12	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{6048}$ except $n = 1729, 2241$
126	13	$n \equiv 1, 729, 1729, 2457, 3745, 4473, 4537, \text{ or } 5265 \pmod{6552}$ except $n = 729, 1729, 2457$
126	14	$n \equiv 1, 3969, 4753, \text{ or } 6273 \pmod{7056}$

*continued on next page*



Table 125: Superspectra for  $p = 126$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	15	$n \equiv 1, 945, 2241, 3025, 3241, 5265, 5481, \text{ or } 6265 \pmod{7560}$ except $n = 945, 2241, 3025, 3241$
126	16	$n \equiv 1, 3969, 5761, \text{ or } 6273 \pmod{8064}$ except $n = 3969$
126	17	$n \equiv 1, 1225, 1513, 2737, 4761, 5985, 6273, \text{ or } 7497 \pmod{8568}$ except $n = 1225, 1513, 2737$
126	18	$n \equiv 1, 3969, 5265, \text{ or } 7777 \pmod{9072}$ except $n = 3969$
126	19	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 8569 \pmod{9576}$ except $n = 1729, 2737, 3249, 4257$
126	20	$n \equiv 1, 225, 2241, 3745, 5761, 5985, 8001, \text{ or } 8065 \pmod{10080}$ except $n = 225, 2241, 3745$
126	21	$n \equiv 1, 3969, 4753, \text{ or } 9801 \pmod{10584}$ except $n = 3969, 4753$
126	22	$n \equiv 1, 1233, 3025, 4257, 4753, 5985, 7777, \text{ or } 9009 \pmod{11088}$ except $n = 1233, 3025, 4257, 4753$
126	23	$n \equiv 1, 1449, 2737, 4761, 6049, 6993, 8281, \text{ or } 10305 \pmod{11592}$ except $n = 1449, 2737, 4761$
126	24	$n \equiv 1, 1729, 2241, \text{ or } 3969 \pmod{12096}$ except $n = 1729, 2241, 3969$
126	25	$n \equiv 1, 225, 1225, 3025, 8001, 9801, 10801, \text{ or } 11025 \pmod{12600}$ except $n = 225, 1225, 3025$
126	26	$n \equiv 1, 1729, 3745, 5265, 7281, 9009, 11025, \text{ or } 11089 \pmod{13104}$ except $n = 1729, 3745, 5265$
126	27	$n \equiv 1, 729, 7777, \text{ or } 8505 \pmod{13608}$ except $n = 729$
126	28	$n \equiv 1, 3969, 6273, \text{ or } 11809 \pmod{14112}$ except $n = 3969, 6273$
126	29	$n \equiv 1, 2233, 3249, 5481, 6265, 9513, 10585, \text{ or } 13833 \pmod{14616}$ except $n = 2233, 3249, 5481, 6265$
126	30	$n \equiv 1, 945, 2241, 3025, 5265, 10801, 13041, \text{ or } 13825 \pmod{15120}$ except $n = 945, 2241, 3025, 5265$
126	31	$n \equiv 1, 217, 1737, 1953, 2233, 3969, 13609, \text{ or } 15345 \pmod{15624}$ except $n = 217, 1737, 1953, 2233, 3969$

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Table 125: Superspectra for  $p = 126$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	32	$n \equiv 1, 12033, 13825, \text{ or } 14337 \pmod{16128}$
126	33	$n \equiv 1, 3025, 4753, 6777, 7777, 9801, 11529, \text{ or } 14553 \pmod{16632}$ except $n = 3025, 4753, 6777, 7777$
126	34	$n \equiv 1, 2737, 5985, 6273, 9793, 10081, 13329, \text{ or } 16065 \pmod{17136}$ except $n = 2737, 5985, 6273$
126	35	$n \equiv 1, 441, 1225, 2745, 8281, 9801, 10585, \text{ or } 11025 \pmod{17640}$ except $n = 441, 1225, 2745, 8281$
126	36	$n \equiv 1, 3969, 7777, \text{ or } 14337 \pmod{18144}$ except $n = 3969, 7777$
126	37	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 13321, \text{ or } 17353 \pmod{18648}$ except $n = 2961, 4033, 6993, 8289$
126	38	$n \equiv 1, 1729, 2737, 3249, 4257, 5985, 6993, \text{ or } 18145 \pmod{19152}$ except $n = 1729, 2737, 3249, 4257, 5985, 6993$
126	39	$n \equiv 1, 729, 1729, 2457, 4537, 5265, 16849, \text{ or } 17577 \pmod{19656}$ except $n = 729, 1729, 2457, 4537, 5265$
126	40	$n \equiv 1, 2241, 5761, 8001, 8065, 10305, 13825, \text{ or } 16065 \pmod{20160}$ except $n = 2241, 5761, 8001, 8065$
126	41	$n \equiv 1, 6273, 8569, 9513, 11809, 18081, 18369, \text{ or } 20377 \pmod{20664}$ except $n = 6273, 8569, 9513$
126	42	$n \equiv 1, 3969, 4753, \text{ or } 20385 \pmod{21168}$ except $n = 3969, 4753$
126	43	$n \equiv 1, 4257, 4473, 9073, 9289, 13545, 16857, \text{ or } 18361 \pmod{21672}$ except $n = 4257, 4473, 9073, 9289$
126	44	$n \equiv 1, 4257, 5985, 7777, 12321, 14113, 15841, \text{ or } 20097 \pmod{22176}$ except $n = 4257, 5985, 7777$
126	45	$n \equiv 1, 3241, 5265, 8505, 9801, 13041, 18145, \text{ or } 21385 \pmod{22680}$ except $n = 3241, 5265, 8505, 9801$
126	46	$n \equiv 1, 2737, 6049, 6993, 10305, 13041, 16353, \text{ or } 19873 \pmod{23184}$ except $n = 2737, 6049, 6993, 10305$
126	47	$n \equiv 1, 2961, 5265, 6769, 12033, 14617, 19881, \text{ or } 21385 \pmod{23688}$ except $n = 2961, 5265, 6769$

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Table 125: Superspectra for  $p = 126$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	48	$n \equiv 1, 3969, 13825, \text{ or } 14337 \pmod{24192}$ except $n = 3969$
126	49	$n \equiv 1, 2745, 18865, \text{ or } 21609 \pmod{24696}$ except $n = 2745$
126	50	$n \equiv 1, 225, 3025, 8001, 10801, 11025, 13825, \text{ or } 22401 \pmod{25200}$ except $n = 225, 3025, 8001, 10801, 11025$
126	51	$n \equiv 1, 1513, 14553, 16065, 18361, 19873, 21897, \text{ or } 23409 \pmod{25704}$ except $n = 1513$
126	52	$n \equiv 1, 1729, 3745, 18369, 20385, 22113, 24129, \text{ or } 24193 \pmod{26208}$ except $n = 1729, 3745$
126	53	$n \equiv 1, 10017, 11025, 13833, 14841, 21889, 22897, \text{ or } 25705 \pmod{26712}$ except $n = 10017, 11025$
126	54	$n \equiv 1, 7777, 14337, \text{ or } 22113 \pmod{27216}$ except $n = 7777$
126	55	$n \equiv 1, 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321,$ $15345, 15841, 17865, 18865, 21385, 25201, \text{ or } 25641 \pmod{27720}$ except $n = 441, 3025, 3465, 5545, 5985, 9801, 12321, 13321$
126	56	$n \equiv 1, 3969, 6273, \text{ or } 25921 \pmod{28224}$ except $n = 3969, 6273$
126	57	$n \equiv 1, 1729, 6993, 12313, 12825, 18145, 23409, \text{ or } 25137 \pmod{28728}$ except $n = 1729, 6993, 12313, 12825$
126	58	$n \equiv 1, 3249, 16849, 20097, 20881, 24129, 25201, \text{ or } 28449 \pmod{29232}$ except $n = 3249$
126	59	$n \equiv 1, 945, 4249, 14337, 17641, 18585, 21889, \text{ or } 26433 \pmod{29736}$ except $n = 945, 4249, 14337$
126	60	$n \equiv 1, 2241, 13825, 16065, 18145, 20385, 25921, \text{ or } 28161 \pmod{30240}$ except $n = 2241, 13825$
126	61	$n \equiv 1, 1953, 2745, 8785, 9577, 11529, 18361, \text{ or } 23913 \pmod{30744}$ except $n = 1953, 2745, 8785, 9577, 11529$
126	62	$n \equiv 1, 1953, 3969, 15345, 15841, 17361, 17857, \text{ or } 29233 \pmod{31248}$ except $n = 1953, 3969, 15345$
126	63	$n \equiv 1, 3969, 9801, \text{ or } 25921 \pmod{31752}$ except $n = 3969, 9801$
126	64	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{32256}$ except $n = 13825, 14337$

*continued on next page*

Table 125: Superspectra for  $p = 126$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	65	$n \equiv 1, 3745, 5265, 7281, 8281, 11025, 13105, 15561, 17641,$ $20385, 21385, 23401, 24921, 28665, 30681, \text{ or } 30745 \pmod{32760}$ except $n = 3745, 5265, 7281, 8281, 11025, 13105, 15561$
126	66	$n \equiv 1, 3025, 4753, 7777, 23409, 26433, 28161, \text{ or } 31185 \pmod{33264}$ except $n = 3025, 4753, 7777$
126	67	$n \equiv 1, 3753, 17353, 21105, 22177, 25929, 28945, \text{ or } 32697 \pmod{33768}$ except $n = 3753$
126	68	$n \equiv 1, 5985, 6273, 9793, 10081, 16065, 19873, \text{ or } 30465 \pmod{34272}$ except $n = 5985, 6273, 9793, 10081, 16065$
126	69	$n \equiv 1, 6049, 6993, 13041, 19873, 21897, 25921, \text{ or } 27945 \pmod{34776}$ except $n = 6049, 6993, 13041$
126	70	$n \equiv 1, 11025, 18081, 18865, 20385, 25921, 27441, \text{ or } 28225 \pmod{35280}$ except $n = 11025$
126	71	$n \equiv 1, 4473, 5041, 15337, 19881, 20377, 24921, \text{ or } 35217 \pmod{35784}$ except $n = 4473, 5041, 15337$
126	72	$n \equiv 1, 3969, 14337, \text{ or } 25921 \pmod{36288}$ except $n = 3969, 14337$
126	73	$n \equiv 1, 5257, 10585, 15841, 16353, 21609, 26937, \text{ or } 32193 \pmod{36792}$ except $n = 5257, 10585, 15841, 16353$
126	74	$n \equiv 1, 2961, 4033, 6993, 8289, 12321, 31969, \text{ or } 36001 \pmod{37296}$ except $n = 2961, 4033, 6993, 8289, 12321$
126	75	$n \equiv 1, 3025, 9801, 10801, 12825, 13825, 20601, \text{ or } 23625 \pmod{37800}$ except $n = 3025, 9801, 10801, 12825, 13825$
126	76	$n \equiv 1, 1729, 4257, 5985, 18145, 21889, 22401, \text{ or } 26145 \pmod{38304}$ except $n = 1729, 4257, 5985, 18145$
126	77	$n \equiv 1, 441, 4753, 9801, 14113, 14553, 18865, \text{ or } 34497 \pmod{38808}$ except $n = 441, 4753, 9801, 14113, 14553, 18865$
126	78	$n \equiv 1, 1729, 5265, 16849, 20385, 22113, 24193, \text{ or } 37233 \pmod{39312}$ except $n = 1729, 5265, 16849$

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Table 125: Superspectra for  $p = 126$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	79	$n \equiv 1, 4977, 13825, 16353, 19593, 25201, 28441, \text{ or } 30969 \pmod{39816}$ except $n = 4977, 13825, 16353, 19593$
126	80	$n \equiv 1, 5761, 8065, 13825, 22401, 28161, 30465, \text{ or } 36225 \pmod{40320}$ except $n = 5761, 8065, 13825$
126	81	$n \equiv 1, 729, 34993, \text{ or } 35721 \pmod{40824}$ except $n = 729$
126	82	$n \equiv 1, 6273, 11809, 18081, 18369, 29233, 30177, \text{ or } 41041 \pmod{41328}$ except $n = 6273, 11809, 18081, 18369$
126	83	$n \equiv 1, 2241, 9297, 16849, 23905, 26145, 33201, \text{ or } 34777 \pmod{41832}$ except $n = 2241, 9297, 16849$
126	84	$n \equiv 1, 3969, 20385, \text{ or } 25921 \pmod{42336}$ except $n = 3969, 20385$
126	85	$n \equiv 1, 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361,$ $23121, 25705, 28441, 30465, 33201, 35785, \text{ or } 40545 \pmod{42840}$ except $n = 1225, 4761, 5985, 10081, 11305, 14841, 16065, 18361$
126	86	$n \equiv 1, 4257, 9073, 26145, 30961, 35217, 38529, \text{ or } 40033 \pmod{43344}$ except $n = 4257, 9073$
126	87	$n \equiv 1, 5481, 6265, 10585, 16849, 32481, 38745, \text{ or } 43065 \pmod{43848}$ except $n = 5481, 6265, 10585, 16849$
126	88	$n \equiv 1, 20097, 26433, 28161, 29953, 34497, 36289, \text{ or } 38017 \pmod{44352}$ except $n = 20097$
126	89	$n \equiv 1, 1513, 12817, 14329, 24921, 26433, 37737, \text{ or } 39249 \pmod{44856}$ except $n = 1513, 12817, 14329$
126	90	$n \equiv 1, 5265, 13041, 18145, 25921, 31185, 32481, \text{ or } 44065 \pmod{45360}$ except $n = 5265, 13041, 18145$
126	91	$n \equiv 1, 8281, 11025, 17641, 20385, 28665, 36505, \text{ or } 38025 \pmod{45864}$ except $n = 8281, 11025, 17641, 20385$
126	92	$n \equiv 1, 6049, 10305, 16353, 19873, 25921, 30177, \text{ or } 36225 \pmod{46368}$ except $n = 6049, 10305, 16353, 19873$
126	93	$n \equiv 1, 217, 3969, 13609, 17361, 17577, 30969, \text{ or } 33481 \pmod{46872}$ except $n = 217, 3969, 13609, 17361, 17577$

*continued on next page*

Table 125: Superspectra for  $p = 126$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	94	$n \equiv 1, 2961, 5265, 6769, 12033, 38305, 43569, \text{ or } 45073 \pmod{47376}$ except $n = 2961, 5265, 6769, 12033$
126	95	$n \equiv 1, 5985, 11305, 12825, 15561, 18145, 20881, 22401, 26145,$ $27721, 31465, 32985, 35721, 38305, 41041, \text{ or } 42561 \pmod{47880}$ except $n = 5985, 11305, 12825, 15561, 18145, 20881, 22401$
126	96	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{48384}$ except $n = 13825, 14337$
126	97	$n \equiv 1, 4753, 14841, 17073, 25705, 27937, 38025, \text{ or } 42777 \pmod{48888}$ except $n = 4753, 14841, 17073$
126	98	$n \equiv 1, 18865, 27441, \text{ or } 46305 \pmod{49392}$ except $n = 18865$
126	99	$n \equiv 1, 7777, 9801, 21385, 23409, 31185, 36289, \text{ or } 44793 \pmod{49896}$ except $n = 7777, 9801, 21385, 23409$
126	100	$n \equiv 1, 225, 8001, 13825, 22401, 28225, 36001, \text{ or } 36225 \pmod{50400}$ except $n = 225, 8001, 13825, 22401$
126	101	$n \equiv 1, 505, 7273, 7777, 11313, 11817, 18585, \text{ or } 19089 \pmod{50904}$ except $n = 505, 7273, 7777, 11313, 11817, 18585, 19089$
126	102	$n \equiv 1, 16065, 19873, 23409, 27217, 40257, 44065, \text{ or } 47601 \pmod{51408}$ except $n = 16065, 19873, 23409$
126	103	$n \equiv 1, 721, 5769, 6489, 14833, 20601, 37801, \text{ or } 43569 \pmod{51912}$ except $n = 721, 5769, 6489, 14833, 20601$
126	104	$n \equiv 1, 1729, 18369, 24129, 24193, 29953, 46593, \text{ or } 48321 \pmod{52416}$ except $n = 1729, 18369, 24129, 24193$
126	105	$n \equiv 1, 9801, 10585, 20385, 25921, 35721, 36505, \text{ or } 46305 \pmod{52920}$ except $n = 9801, 10585, 20385, 25921$
126	106	$n \equiv 1, 10017, 11025, 21889, 22897, 40545, 41553, \text{ or } 52417 \pmod{53424}$ except $n = 10017, 11025, 21889, 22897$
126	107	$n \equiv 1, 3745, 14553, 19153, 29961, 33705, 38521, \text{ or } 49113 \pmod{53928}$ except $n = 3745, 14553, 19153$
126	108	$n \equiv 1, 7777, 14337, \text{ or } 22113 \pmod{54432}$ except $n = 7777, 14337, 22113$

*continued on next page*

Table 125: Superspectra for  $p = 126$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	109	$n \equiv 1, 4033, 16569, 20601, 24417, 28449, 47089, \text{ or } 51121 \pmod{54936}$ except $n = 4033, 16569, 20601, 24417$
126	110	$n \equiv 1, 3025, 5985, 12321, 15345, 15841, 18865, 25201, 28161,$ $31185, 33265, 37521, 41041, 45585, 49105, \text{ or } 53361 \pmod{55440}$ except $n = 3025, 5985, 12321, 15345, 15841, 18865, 25201$
126	111	$n \equiv 1, 6993, 8289, 22681, 30969, 31969, 40257, \text{ or } 54649 \pmod{55944}$ except $n = 6993, 8289, 22681$
126	112	$n \equiv 1, 3969, 6273, \text{ or } 54145 \pmod{56448}$ except $n = 3969, 6273$
126	113	$n \equiv 1, 18081, 24409, 25425, 31753, 49833, 50625, \text{ or } 56161 \pmod{56952}$ except $n = 18081, 24409, 25425$
126	114	$n \equiv 1, 1729, 6993, 18145, 23409, 25137, 41041, \text{ or } 41553 \pmod{57456}$ except $n = 1729, 6993, 18145, 23409, 25137$
126	115	$n \equiv 1, 4761, 8281, 10305, 13041, 17641, 18585, 23185, 25921,$ $27945, 31465, 36225, 40825, 45081, 49105, \text{ or } 53361 \pmod{57960}$ except $n = 4761, 8281, 10305, 13041, 17641,$ $18585, 23185, 25921, 27945$
126	116	$n \equiv 1, 20097, 24129, 28449, 32481, 46081, 50113, \text{ or } 54433 \pmod{58464}$ except $n = 20097, 24129, 28449$
126	117	$n \equiv 1, 729, 4537, 5265, 16849, 17577, 21385, \text{ or } 22113 \pmod{58968}$ except $n = 729, 4537, 5265, 16849, 17577, 21385, 22113$
126	118	$n \equiv 1, 945, 14337, 21889, 26433, 33985, 47377, \text{ or } 48321 \pmod{59472}$ except $n = 945, 14337, 21889, 26433$
126	119	$n \equiv 1, 1225, 6273, 7497, 13329, 14553, 52921, \text{ or } 54145 \pmod{59976}$ except $n = 1225, 6273, 7497, 13329, 14553$
126	120	$n \equiv 1, 2241, 13825, 16065, 25921, 28161, 48385, \text{ or } 50625 \pmod{60480}$ except $n = 2241, 13825, 16065, 25921, 28161$
126	121	$n \equiv 1, 3025, 6777, 9801, 43561, 46585, 50337, \text{ or } 53361 \pmod{60984}$ except $n = 3025, 6777, 9801$
126	122	$n \equiv 1, 1953, 8785, 33489, 40321, 42273, 49105, \text{ or } 54657 \pmod{61488}$ except $n = 1953, 8785$

*continued on next page*

Table 125: Superspectra for  $p = 126$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
126	123	$n \equiv 1, 38745, 41041, 47601, 49897, 50841, 53137, \text{ or } 59697 \pmod{61992}$
126	124	$n \equiv 1, 1953, 3969, 15841, 17857, 46593, 48609, \text{ or } 60481 \pmod{62496}$ except $n = 1953, 3969, 15841, 17857$
126	125	$n \equiv 1, 8001, 15625, 23625, 35001, 36001, 50625, \text{ or } 51625 \pmod{63000}$ except $n = 8001, 15625, 23625$
126	126	$n \equiv 1, 3969, 25921, \text{ or } 41553 \pmod{63504}$ except $n = 3969, 25921$
126	127	$n \equiv 1, 8001, 16129, 27433, 28449, 43561, 44577, \text{ or } 55881 \pmod{64008}$ except $n = 8001, 16129, 27433, 28449$
126	128	$n \equiv 1, 14337, 46081, \text{ or } 60417 \pmod{64512}$ except $n = 14337$

Table 126: Superspectra of  $\mathcal{C}_{2k}^p$  for  $p = 127$ 

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
127	2	$n \equiv 1 \text{ or } 889 \pmod{1016}$
127	3	$n \equiv 1, 381, 889, \text{ or } 1017 \pmod{1524}$ except $n = 381$
127	4	$n \equiv 1 \text{ or } 1905 \pmod{2032}$
127	5	$n \equiv 1, 381, 1525, \text{ or } 1905 \pmod{2540}$ except $n = 381$
127	6	$n \equiv 1, 889, 1017, \text{ or } 1905 \pmod{3048}$ except $n = 889, 1017$
127	7	$n \equiv 1, 889, 1905, \text{ or } 2541 \pmod{3556}$ except $n = 889$
127	8	$n \equiv 1 \text{ or } 3937 \pmod{4064}$
127	9	$n \equiv 1, 1017, 2413, \text{ or } 3429 \pmod{4572}$ except $n = 1017$
127	10	$n \equiv 1, 1905, 2921, \text{ or } 4065 \pmod{5080}$ except $n = 1905$
127	11	$n \equiv 1, 1397, 2541, \text{ or } 4445 \pmod{5588}$ except $n = 1397, 2541$
127	12	$n \equiv 1, 1905, 3937, \text{ or } 4065 \pmod{6096}$ except $n = 1905$
127	13	$n \equiv 1, 4953, 5461, \text{ or } 6097 \pmod{6604}$

*continued on next page*



Table 126: Superspectra for  $p = 127$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
127	14	$n \equiv 1, 889, 1905, \text{ or } 6097 \pmod{7112}$ except $n = 889, 1905$
127	15	$n \equiv 1, 381, 1525, 1905, 2541, 4065, 5461, \text{ or } 6985 \pmod{7620}$ except $n = 381, 1525, 1905, 2541$
127	16	$n \equiv 1 \text{ or } 8001 \pmod{8128}$
127	17	$n \equiv 1, 1905, 4573, \text{ or } 6477 \pmod{8636}$ except $n = 1905$
127	18	$n \equiv 1, 1017, 6985, \text{ or } 8001 \pmod{9144}$ except $n = 1017$
127	19	$n \equiv 1, 381, 2033, \text{ or } 2413 \pmod{9652}$ except $n = 381, 2033, 2413$
127	20	$n \equiv 1, 1905, 4065, \text{ or } 8001 \pmod{10160}$ except $n = 1905, 4065$
127	21	$n \equiv 1, 889, 1905, 2541, 5461, 6097, 7113, \text{ or } 8001 \pmod{10668}$ except $n = 889, 1905, 2541$
127	22	$n \equiv 1, 6985, 8129, \text{ or } 10033 \pmod{11176}$
127	23	$n \equiv 1, 2921, 5589, \text{ or } 9017 \pmod{11684}$ except $n = 2921, 5589$
127	24	$n \equiv 1, 3937, 4065, \text{ or } 8001 \pmod{12192}$ except $n = 3937, 4065$
127	25	$n \equiv 1, 1525, 8001, \text{ or } 9525 \pmod{12700}$ except $n = 1525$
127	26	$n \equiv 1, 4953, 6097, \text{ or } 12065 \pmod{13208}$ except $n = 4953, 6097$
127	27	$n \equiv 1, 3429, 5589, \text{ or } 11557 \pmod{13716}$ except $n = 3429, 5589$
127	28	$n \equiv 1, 1905, 6097, \text{ or } 8001 \pmod{14224}$ except $n = 1905, 6097$
127	29	$n \equiv 1, 11049, 12065, \text{ or } 13717 \pmod{14732}$
127	30	$n \equiv 1, 1905, 4065, 6985, 8001, 9145, 10161, \text{ or } 13081 \pmod{15240}$ except $n = 1905, 4065, 6985$
127	31	$n \equiv 1, 3937, 9145, \text{ or } 10541 \pmod{15748}$ except $n = 3937$
127	32	$n \equiv 1 \text{ or } 16129 \pmod{16256}$
127	33	$n \equiv 1, 2541, 5589, 6985, 10033, 12573, 13717, \text{ or } 15621 \pmod{16764}$ except $n = 2541, 5589, 6985$
127	34	$n \equiv 1, 1905, 13209, \text{ or } 15113 \pmod{17272}$ except $n = 1905$
127	35	$n \equiv 1, 1905, 2541, 4445, 5461, 8001, 14225, \text{ or } 16765 \pmod{17780}$ except $n = 1905, 2541, 4445, 5461, 8001$

*continued on next page*

Table 126: Superspectra for  $p = 127$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
127	36	$n \equiv 1, 8001, 10161, \text{ or } 16129 \pmod{18288}$ except $n = 8001$
127	37	$n \equiv 1, 889, 13209, \text{ or } 14097 \pmod{18796}$ except $n = 889$
127	38	$n \equiv 1, 2033, 10033, \text{ or } 12065 \pmod{19304}$ except $n = 2033$
127	39	$n \equiv 1, 4953, 5461, 6097, 11557, 13209, 18669, \text{ or } 19305 \pmod{19812}$ except $n = 4953, 5461, 6097$
127	40	$n \equiv 1, 4065, 8001, \text{ or } 12065 \pmod{20320}$ except $n = 4065, 8001$
127	41	$n \equiv 1, 3937, 11685, \text{ or } 15621 \pmod{20828}$ except $n = 3937$
127	42	$n \equiv 1, 889, 1905, 6097, 7113, 8001, 13209, \text{ or } 16129 \pmod{21336}$ except $n = 889, 1905, 6097, 7113, 8001$
127	43	$n \equiv 1, 5461, 13589, \text{ or } 13717 \pmod{21844}$ except $n = 5461$
127	44	$n \equiv 1, 8129, 10033, \text{ or } 18161 \pmod{22352}$ except $n = 8129, 10033$
127	45	$n \equiv 1, 6985, 8001, 9145, 10161, 17145, 19305, \text{ or } 20701 \pmod{22860}$ except $n = 6985, 8001, 9145, 10161$
127	46	$n \equiv 1, 2921, 9017, \text{ or } 17273 \pmod{23368}$ except $n = 2921, 9017$
127	47	$n \equiv 1, 5969, 10669, \text{ or } 19177 \pmod{23876}$ except $n = 5969, 10669$
127	48	$n \equiv 1, 8001, 16129, \text{ or } 16257 \pmod{24384}$ except $n = 8001$
127	49	$n \equiv 1, 9017, 9653, \text{ or } 18669 \pmod{24892}$ except $n = 9017, 9653$
127	50	$n \equiv 1, 8001, 14225, \text{ or } 22225 \pmod{25400}$ except $n = 8001$
127	51	$n \equiv 1, 1905, 4573, 6477, 8637, 13209, 19177, \text{ or } 23749 \pmod{25908}$ except $n = 1905, 4573, 6477, 8637$
127	52	$n \equiv 1, 6097, 12065, \text{ or } 18161 \pmod{26416}$ except $n = 6097, 12065$
127	53	$n \equiv 1, 20193, 20829, \text{ or } 26289 \pmod{26924}$
127	54	$n \equiv 1, 17145, 19305, \text{ or } 25273 \pmod{27432}$
127	55	$n \equiv 1, 2541, 4445, 6985, 15621, 16765, 18161, \text{ or } 19305 \pmod{27940}$ except $n = 2541, 4445, 6985$
127	56	$n \equiv 1, 8001, 16129, \text{ or } 20321 \pmod{28448}$ except $n = 8001$

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Table 126: Superspectra for  $p = 127$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
127	57	$n \equiv 1, 381, 2413, 10033, 11685, 19305, 21337, \text{ or } 21717 \pmod{28956}$ except $n = 381, 2413, 10033, 11685$
127	58	$n \equiv 1, 11049, 12065, \text{ or } 28449 \pmod{29464}$ except $n = 11049, 12065$
127	59	$n \equiv 1, 7493, 9145, \text{ or } 28321 \pmod{29972}$ except $n = 7493, 9145$
127	60	$n \equiv 1, 1905, 4065, 8001, 10161, 22225, 24385, \text{ or } 28321 \pmod{30480}$ except $n = 1905, 4065, 8001, 10161$
127	61	$n \equiv 1, 1525, 21717, \text{ or } 23241 \pmod{30988}$ except $n = 1525$
127	62	$n \equiv 1, 3937, 9145, \text{ or } 26289 \pmod{31496}$ except $n = 3937, 9145$
127	63	$n \equiv 1, 8001, 11557, 12573, 16129, 23877, 27433, \text{ or } 28449 \pmod{32004}$ except $n = 8001, 11557, 12573$
127	64	$n \equiv 1 \text{ or } 16129 \pmod{32512}$ except $n = 16129$
127	65	$n \equiv 1, 5461, 6605, 12065, 12701, 18161, 19305, \text{ or } 24765 \pmod{33020}$ except $n = 5461, 6605, 12065, 12701$
127	66	$n \equiv 1, 6985, 10033, 19305, 22353, 29337, 30481, \text{ or } 32385 \pmod{33528}$ except $n = 6985, 10033$
127	67	$n \equiv 1, 2413, 6097, \text{ or } 8509 \pmod{34036}$ except $n = 2413, 6097, 8509$
127	68	$n \equiv 1, 1905, 30481, \text{ or } 32385 \pmod{34544}$ except $n = 1905$
127	69	$n \equiv 1, 5589, 11685, 14605, 20701, 26289, 28957, \text{ or } 32385 \pmod{35052}$ except $n = 5589, 11685, 14605$
127	70	$n \equiv 1, 1905, 8001, 14225, 20321, 22225, 23241, \text{ or } 34545 \pmod{35560}$ except $n = 1905, 8001, 14225$
127	71	$n \equiv 1, 9017, 15621, \text{ or } 29465 \pmod{36068}$ except $n = 9017, 15621$
127	72	$n \equiv 1, 8001, 16129, \text{ or } 28449 \pmod{36576}$ except $n = 8001, 16129$
127	73	$n \equiv 1, 2921, 24893, \text{ or } 27813 \pmod{37084}$ except $n = 2921$
127	74	$n \equiv 1, 889, 13209, \text{ or } 14097 \pmod{37592}$ except $n = 889, 13209, 14097$
127	75	$n \equiv 1, 1525, 8001, 9525, 20701, 22225, 25401, \text{ or } 26925 \pmod{38100}$ except $n = 1525, 8001, 9525$
127	76	$n \equiv 1, 2033, 10033, \text{ or } 12065 \pmod{38608}$ except $n = 2033, 10033, 12065$

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Table 126: Superspectra for  $p = 127$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
127	77	$n \equiv 1, 2541, 4445, 12573, 16765, 24893, 26797, \text{ or } 29337 \pmod{39116}$ except $n = 2541, 4445, 12573, 16765$
127	78	$n \equiv 1, 4953, 6097, 13209, 19305, 25273, 31369, \text{ or } 38481 \pmod{39624}$ except $n = 4953, 6097, 13209, 19305$
127	79	$n \equiv 1, 10033, 13589, \text{ or } 36577 \pmod{40132}$ except $n = 10033, 13589$
127	80	$n \equiv 1, 8001, 24385, \text{ or } 32385 \pmod{40640}$ except $n = 8001$
127	81	$n \equiv 1, 5589, 25273, \text{ or } 30861 \pmod{41148}$ except $n = 5589$
127	82	$n \equiv 1, 3937, 32513, \text{ or } 36449 \pmod{41656}$ except $n = 3937$
127	83	$n \equiv 1, 10541, 23241, \text{ or } 29465 \pmod{42164}$ except $n = 10541$
127	84	$n \equiv 1, 1905, 6097, 8001, 16129, 22225, 28449, \text{ or } 34545 \pmod{42672}$ except $n = 1905, 6097, 8001, 16129$
127	85	$n \equiv 1, 1905, 10541, 21845, 30481, 32385, 34545, \text{ or } 41021 \pmod{43180}$ except $n = 1905, 10541$
127	86	$n \equiv 1, 27305, 35433, \text{ or } 35561 \pmod{43688}$
127	87	$n \equiv 1, 11049, 13717, 14733, 26797, 28449, 40513, \text{ or } 41529 \pmod{44196}$ except $n = 11049, 13717, 14733$
127	88	$n \equiv 1, 8129, 32385, \text{ or } 40513 \pmod{44704}$ except $n = 8129$
127	89	$n \equiv 1, 12193, 21717, \text{ or } 33909 \pmod{45212}$ except $n = 12193, 21717$
127	90	$n \equiv 1, 6985, 8001, 9145, 10161, 17145, 19305, \text{ or } 43561 \pmod{45720}$ except $n = 6985, 8001, 9145, 10161, 17145, 19305$
127	91	$n \equiv 1, 5461, 6097, 11557, 13209, 18669, 39117, \text{ or } 44577 \pmod{46228}$ except $n = 5461, 6097, 11557, 13209, 18669$
127	92	$n \equiv 1, 26289, 32385, \text{ or } 40641 \pmod{46736}$
127	93	$n \equiv 1, 3937, 9145, 26289, 31497, 35433, 40641, \text{ or } 42037 \pmod{47244}$ except $n = 3937, 9145$
127	94	$n \equiv 1, 5969, 19177, \text{ or } 34545 \pmod{47752}$ except $n = 5969, 19177$
127	95	$n \equiv 1, 381, 11685, 12065, 19305, 19685, 40641, \text{ or } 41021 \pmod{48260}$ except $n = 381, 11685, 12065, 19305, 19685$

*continued on next page*

Table 126: Superspectra for  $p = 127$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
127	96	$n \equiv 1, 16129, 16257, \text{ or } 32385 \pmod{48768}$ except $n = 16129, 16257$
127	97	$n \equiv 1, 6985, 29973, \text{ or } 36957 \pmod{49276}$ except $n = 6985$
127	98	$n \equiv 1, 9017, 34545, \text{ or } 43561 \pmod{49784}$ except $n = 9017$
127	99	$n \equiv 1, 5589, 6985, 12573, 13717, 19305, 43561, \text{ or } 49149 \pmod{50292}$ except $n = 5589, 6985, 12573, 13717, 19305$
127	100	$n \equiv 1, 8001, 14225, \text{ or } 22225 \pmod{50800}$ except $n = 8001, 14225, 22225$
127	101	$n \equiv 1, 4445, 34037, \text{ or } 38481 \pmod{51308}$ except $n = 4445$
127	102	$n \equiv 1, 1905, 13209, 19177, 30481, 32385, 34545, \text{ or } 49657 \pmod{51816}$ except $n = 1905, 13209, 19177$
127	103	$n \equiv 1, 13081, 29973, \text{ or } 35433 \pmod{52324}$ except $n = 13081$
127	104	$n \equiv 1, 12065, 32513, \text{ or } 44577 \pmod{52832}$ except $n = 12065$
127	105	$n \equiv 1, 1905, 2541, 5461, 8001, 16765, 17781, 22225, 23241,$ $32005, 34545, 37465, 38101, 40005, 43561, \text{ or } 49785 \pmod{53340}$ except $n = 1905, 2541, 5461, 8001, 16765, 17781, 22225, 23241$
127	106	$n \equiv 1, 20193, 26289, \text{ or } 47753 \pmod{53848}$ except $n = 20193, 26289$
127	107	$n \equiv 1, 2033, 11557, \text{ or } 13589 \pmod{54356}$ except $n = 2033, 11557, 13589$
127	108	$n \equiv 1, 44577, 46737, \text{ or } 52705 \pmod{54864}$
127	109	$n \equiv 1, 13081, 28449, \text{ or } 41529 \pmod{55372}$ except $n = 13081$
127	110	$n \equiv 1, 6985, 18161, 19305, 30481, 32385, 43561, \text{ or } 44705 \pmod{55880}$ except $n = 6985, 18161, 19305$
127	111	$n \equiv 1, 889, 13209, 14097, 32005, 32893, 37593, \text{ or } 38481 \pmod{56388}$ except $n = 889, 13209, 14097$
127	112	$n \equiv 1, 8001, 16129, \text{ or } 48769 \pmod{56896}$ except $n = 8001, 16129$
127	113	$n \equiv 1, 1017, 42037, \text{ or } 43053 \pmod{57404}$ except $n = 1017$
127	114	$n \equiv 1, 10033, 19305, 21337, 29337, 31369, 40641, \text{ or } 50673 \pmod{57912}$ except $n = 10033, 19305, 21337$
127	115	$n \equiv 1, 2921, 11685, 14605, 20701, 32385, 40641, \text{ or } 52325 \pmod{58420}$ except $n = 2921, 11685, 14605, 20701$

*continued on next page*

Table 126: Superspectra for  $p = 127$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
127	116	$n \equiv 1, 12065, 28449, \text{ or } 40513 \pmod{58928}$ except $n = 12065, 28449$
127	117	$n \equiv 1, 11557, 19305, 25273, 33021, 44577, 45721, \text{ or } 58293 \pmod{59436}$ except $n = 11557, 19305, 25273$
127	118	$n \equiv 1, 9145, 28321, \text{ or } 37465 \pmod{59944}$ except $n = 9145, 28321$
127	119	$n \equiv 1, 1905, 13209, 15113, 34545, 36449, 39117, \text{ or } 41021 \pmod{60452}$ except $n = 1905, 13209, 15113$
127	120	$n \equiv 1, 4065, 8001, 24385, 28321, 32385, 40641, \text{ or } 52705 \pmod{60960}$ except $n = 4065, 8001, 24385, 28321$
127	121	$n \equiv 1, 2541, 43561, \text{ or } 46101 \pmod{61468}$ except $n = 2541$
127	122	$n \equiv 1, 23241, 32513, \text{ or } 52705 \pmod{61976}$ except $n = 23241$
127	123	$n \equiv 1, 3937, 11685, 15621, 20829, 24765, 53341, \text{ or } 57277 \pmod{62484}$ except $n = 3937, 11685, 15621, 20829, 24765$
127	124	$n \equiv 1, 3937, 26289, \text{ or } 40641 \pmod{62992}$ except $n = 3937, 26289$
127	125	$n \equiv 1, 8001, 39625, \text{ or } 47625 \pmod{63500}$ except $n = 8001$
127	126	$n \equiv 1, 8001, 16129, 27433, 28449, 43561, 44577, \text{ or } 55881 \pmod{64008}$ except $n = 8001, 16129, 27433, 28449$
127	127	$n \equiv 1 \text{ or } 16129 \pmod{64516}$ except $n = 16129$
127	128	$n \equiv 1 \text{ or } 48641 \pmod{65024}$

Table 127: Superspectra of  $\mathcal{C}_{2^k}^p$  for  $p = 128$

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2^k}^p)$ consists of those $n \in \mathbb{P}$ such that:
128	2	$n \equiv 1 \pmod{1024}$
128	3	$n \equiv 1 \text{ or } 513 \pmod{1536}$ except $n = 513$
128	4	$n \equiv 1 \pmod{2048}$
128	5	$n \equiv 1 \text{ or } 1025 \pmod{2560}$ except $n = 1025$

*continued on next page*

Table 127: Superspectra for  $p = 128$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
128	6	$n \equiv 1$ or 2049 (mod 3072)
128	7	$n \equiv 1$ or 3073 (mod 3584)
128	8	$n \equiv 1$ (mod 4096)
128	9	$n \equiv 1$ or 513 (mod 4608)    except $n = 513$
128	10	$n \equiv 1$ or 1025 (mod 5120)    except $n = 1025$
128	11	$n \equiv 1$ or 4609 (mod 5632)
128	12	$n \equiv 1$ or 2049 (mod 6144)    except $n = 2049$
128	13	$n \equiv 1$ or 2561 (mod 6656)    except $n = 2561$
128	14	$n \equiv 1$ or 3073 (mod 7168)    except $n = 3073$
128	15	$n \equiv 1, 3585, 5121, \text{ or } 6145$ (mod 7680)    except $n = 3585$
128	16	$n \equiv 1$ (mod 8192)
128	17	$n \equiv 1$ or 4097 (mod 8704)    except $n = 4097$
128	18	$n \equiv 1$ or 5121 (mod 9216)
128	19	$n \equiv 1$ or 513 (mod 9728)    except $n = 513$
128	20	$n \equiv 1$ or 6145 (mod 10240)
128	21	$n \equiv 1, 3073, 3585, \text{ or } 6657$ (mod 10752)    except $n = 3073, 3585$
128	22	$n \equiv 1$ or 10241 (mod 11264)
128	23	$n \equiv 1$ or 9729 (mod 11776)
128	24	$n \equiv 1$ or 8193 (mod 12288)
128	25	$n \equiv 1$ or 1025 (mod 12800)    except $n = 1025$
128	26	$n \equiv 1$ or 9217 (mod 13312)
128	27	$n \equiv 1$ or 513 (mod 13824)    except $n = 513$
128	28	$n \equiv 1$ or 10241 (mod 14336)
128	29	$n \equiv 1$ or 1537 (mod 14848)    except $n = 1537$
128	30	$n \equiv 1, 5121, 6145, \text{ or } 11265$ (mod 15360)    except $n = 5121, 6145$

*continued on next page*

Table 127: Superspectra for  $p = 128$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
128	31	$n \equiv 1$ or 14849 (mod 15872)
128	32	$n \equiv 1$ (mod 16384)
128	33	$n \equiv 1, 4609, 11265, \text{ or } 15873$ (mod 16896)    except $n = 4609$
128	34	$n \equiv 1$ or 4097 (mod 17408)    except $n = 4097$
128	35	$n \equiv 1, 3585, 10241, \text{ or } 13825$ (mod 17920)    except $n = 3585$
128	36	$n \equiv 1$ or 14337 (mod 18432)
128	37	$n \equiv 1$ or 15873 (mod 18944)
128	38	$n \equiv 1$ or 10241 (mod 19456)
128	39	$n \equiv 1, 6657, 9217, \text{ or } 15873$ (mod 19968)    except $n = 6657, 9217$
128	40	$n \equiv 1$ or 16385 (mod 20480)
128	41	$n \equiv 1$ or 1025 (mod 20992)    except $n = 1025$
128	42	$n \equiv 1, 3073, 14337, \text{ or } 17409$ (mod 21504)    except $n = 3073$
128	43	$n \equiv 1$ or 5633 (mod 22016)    except $n = 5633$
128	44	$n \equiv 1$ or 10241 (mod 22528)    except $n = 10241$
128	45	$n \equiv 1, 5121, 13825, \text{ or } 18945$ (mod 23040)    except $n = 5121$
128	46	$n \equiv 1$ or 21505 (mod 23552)
128	47	$n \equiv 1$ or 9729 (mod 24064)    except $n = 9729$
128	48	$n \equiv 1$ or 8193 (mod 24576)    except $n = 8193$
128	49	$n \equiv 1$ or 10241 (mod 25088)    except $n = 10241$
128	50	$n \equiv 1$ or 1025 (mod 25600)    except $n = 1025$
128	51	$n \equiv 1, 12801, 17409, \text{ or } 21505$ (mod 26112)    except $n = 12801$
128	52	$n \equiv 1$ or 22529 (mod 26624)
128	53	$n \equiv 1$ or 1537 (mod 27136)    except $n = 1537$
128	54	$n \equiv 1$ or 14337 (mod 27648)
128	55	$n \equiv 1, 10241, 11265, \text{ or } 21505$ (mod 28160)    except $n = 10241, 11265$

*continued on next page*



Table 127: Superspectra for  $p = 128$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
128	56	$n \equiv 1$ or $24577 \pmod{28672}$
128	57	$n \equiv 1, 513, 9729, \text{ or } 19969 \pmod{29184}$ except $n = 513, 9729$
128	58	$n \equiv 1$ or $16385 \pmod{29696}$
128	59	$n \equiv 1$ or $14337 \pmod{30208}$ except $n = 14337$
128	60	$n \equiv 1, 6145, 20481, \text{ or } 26625 \pmod{30720}$ except $n = 6145$
128	61	$n \equiv 1$ or $16897 \pmod{31232}$
128	62	$n \equiv 1$ or $30721 \pmod{31744}$
128	63	$n \equiv 1, 13825, 14337, \text{ or } 28161 \pmod{32256}$ except $n = 13825, 14337$
128	64	$n \equiv 1 \pmod{32768}$
128	65	$n \equiv 1, 2561, 26625, \text{ or } 29185 \pmod{33280}$ except $n = 2561$
128	66	$n \equiv 1, 11265, 21505, \text{ or } 32769 \pmod{33792}$ except $n = 11265$
128	67	$n \equiv 1$ or $7169 \pmod{34304}$ except $n = 7169$
128	68	$n \equiv 1$ or $4097 \pmod{34816}$ except $n = 4097$
128	69	$n \equiv 1, 9729, 21505, \text{ or } 23553 \pmod{35328}$ except $n = 9729$
128	70	$n \equiv 1, 10241, 21505, \text{ or } 31745 \pmod{35840}$ except $n = 10241$
128	71	$n \equiv 1$ or $26625 \pmod{36352}$
128	72	$n \equiv 1$ or $32769 \pmod{36864}$
128	73	$n \equiv 1$ or $36865 \pmod{37376}$
128	74	$n \equiv 1$ or $34817 \pmod{37888}$
128	75	$n \equiv 1, 12801, 13825, \text{ or } 26625 \pmod{38400}$ except $n = 12801, 13825$
128	76	$n \equiv 1$ or $10241 \pmod{38912}$ except $n = 10241$
128	77	$n \equiv 1, 10241, 21505, \text{ or } 28161 \pmod{39424}$ except $n = 10241$
128	78	$n \equiv 1, 9217, 26625, \text{ or } 35841 \pmod{39936}$ except $n = 9217$
128	79	$n \equiv 1$ or $13825 \pmod{40448}$ except $n = 13825$
128	80	$n \equiv 1$ or $16385 \pmod{40960}$ except $n = 16385$

*continued on next page*

Table 127: Superspectra for  $p = 128$ , *continued*

$p$	$k$	$\text{SSpec}(\mathcal{C}_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
128	81	$n \equiv 1$ or $14337 \pmod{41472}$ except $n = 14337$
128	82	$n \equiv 1$ or $1025 \pmod{41984}$ except $n = 1025$
128	83	$n \equiv 1$ or $39425 \pmod{42496}$
128	84	$n \equiv 1, 14337, 24577, \text{ or } 38913 \pmod{43008}$ except $n = 14337$
128	85	$n \equiv 1, 8705, 12801, \text{ or } 21505 \pmod{43520}$ except $n = 8705, 12801, 21505$
128	86	$n \equiv 1$ or $27649 \pmod{44032}$
128	87	$n \equiv 1, 1537, 29697, \text{ or } 31233 \pmod{44544}$ except $n = 1537$
128	88	$n \equiv 1$ or $32769 \pmod{45056}$
128	89	$n \equiv 1$ or $43521 \pmod{45568}$
128	90	$n \equiv 1, 5121, 36865, \text{ or } 41985 \pmod{46080}$ except $n = 5121$
128	91	$n \equiv 1, 6657, 35841, \text{ or } 42497 \pmod{46592}$ except $n = 6657$
128	92	$n \equiv 1$ or $45057 \pmod{47104}$
128	93	$n \equiv 1, 15873, 30721, \text{ or } 46593 \pmod{47616}$ except $n = 15873$
128	94	$n \equiv 1$ or $33793 \pmod{48128}$
128	95	$n \equiv 1, 10241, 29185, \text{ or } 39425 \pmod{48640}$ except $n = 10241$
128	96	$n \equiv 1$ or $32769 \pmod{49152}$
128	97	$n \equiv 1$ or $40449 \pmod{49664}$
128	98	$n \equiv 1$ or $10241 \pmod{50176}$ except $n = 10241$
128	99	$n \equiv 1, 4609, 28161, \text{ or } 32769 \pmod{50688}$ except $n = 4609$
128	100	$n \equiv 1$ or $26625 \pmod{51200}$
128	101	$n \equiv 1$ or $36865 \pmod{51712}$
128	102	$n \equiv 1, 17409, 21505, \text{ or } 38913 \pmod{52224}$ except $n = 17409, 21505$
128	103	$n \equiv 1$ or $35329 \pmod{52736}$
128	104	$n \equiv 1$ or $49153 \pmod{53248}$
128	105	$n \equiv 1, 3585, 13825, 21505, 28161, 35841, 46081, \text{ or } 49665 \pmod{53760}$ except $n = 3585, 13825, 21505$

*continued on next page*

Table 127: Superspectra for  $p = 128$ , *continued*

$p$	$k$	$\text{SSpec}(C_{2k}^p)$ consists of those $n \in \mathbb{P}$ such that:
128	106	$n \equiv 1$ or $28673 \pmod{54272}$
128	107	$n \equiv 1$ or $7169 \pmod{54784}$ except $n = 7169$
128	108	$n \equiv 1$ or $14337 \pmod{55296}$ except $n = 14337$
128	109	$n \equiv 1$ or $38913 \pmod{55808}$
128	110	$n \equiv 1, 10241, 11265, \text{ or } 21505 \pmod{56320}$ except $n = 10241, 11265, 21505$
128	111	$n \equiv 1, 15873, 18945, \text{ or } 53761 \pmod{56832}$ except $n = 15873, 18945$
128	112	$n \equiv 1$ or $24577 \pmod{57344}$ except $n = 24577$
128	113	$n \equiv 1$ or $16385 \pmod{57856}$ except $n = 16385$
128	114	$n \equiv 1, 29697, 38913, \text{ or } 49153 \pmod{58368}$
128	115	$n \equiv 1, 21505, 33281, \text{ or } 47105 \pmod{58880}$ except $n = 21505$
128	116	$n \equiv 1$ or $16385 \pmod{59392}$ except $n = 16385$
128	117	$n \equiv 1, 9217, 46593, \text{ or } 55809 \pmod{59904}$ except $n = 9217$
128	118	$n \equiv 1$ or $14337 \pmod{60416}$ except $n = 14337$
128	119	$n \equiv 1, 17409, 21505, \text{ or } 38913 \pmod{60928}$ except $n = 17409, 21505$
128	120	$n \equiv 1, 20481, 36865, \text{ or } 57345 \pmod{61440}$ except $n = 20481$
128	121	$n \equiv 1$ or $55297 \pmod{61952}$
128	122	$n \equiv 1$ or $48129 \pmod{62464}$
128	123	$n \equiv 1, 22017, 41985, \text{ or } 43009 \pmod{62976}$ except $n = 22017$
128	124	$n \equiv 1$ or $30721 \pmod{63488}$ except $n = 30721$
128	125	$n \equiv 1$ or $26625 \pmod{64000}$ except $n = 26625$
128	126	$n \equiv 1, 14337, 46081, \text{ or } 60417 \pmod{64512}$ except $n = 14337$
128	127	$n \equiv 1$ or $48641 \pmod{65024}$
128	128	$n \equiv 1 \pmod{65536}$