TABLE 1

ELLIPTIC CURVES

The table is arranged in blocks by conductor. Each conductor is given in factorized form at the top of its block (repeated, if necessary, on continuation pages), together with the number of isogeny classes of curves with that conductor. Each block is subdivided into isogeny classes by a row of dashes.

The columns of the table give the following data for each curve E:

(1) an identifying letter (A, B, C, ...) for each isogeny class of curves with the same conductor, choosing consecutive letters for the curves in the order in which they were computed. Within each isogeny class we also number the curves in that class, with curve 1 being the "strong Weil curve".[1] For ease of reference, when $N \leq 200$ we also give the identifying letter of each curve as given in Table 1 of [2].
(2) The integer coefficients a_1, a_2, a_3, a_4 and a_6 of a minimal equation for E.
(3) The rank r of $E(\mathbb{Q})$.
(4) The order $|T|$ of the torsion subgroup T of $E(\mathbb{Q})$.
(5) The sign of the discriminant Δ of E, and its factorization.
(6) The prime factorization of the denominator of $j(E)$.
(7) The local indices c_p for the primes of bad reduction.
(8) The Kodaira symbols for E at each prime of bad reduction.
(9) The curves isogenous to E via an isogeny of prime degree, with the degree l in bold face. For example, the entry "**2**: 3; **3**: 2, 6" for curve 448C4 indicates it is 2-isogenous to 448C3 and 3-isogenous to both 448C2 and 448C6. From these entries it is easy to draw isogeny diagrams for each isogeny class in the manner of the Antwerp tables [2]. We regret that we could not persuade Birch to draw little diagrams for us in this column, as he did for [2].

For convenience, we give the factorization of N at the head of each section of the table. This order of the 'bad' prime factors $p_1, \ldots, p_k$ of N is used within the table itself. We give the discriminant $\Delta = \pm p_1^{e_1} \ldots p_k^{e_k}$ in factorized form as $\pm, e_1, \ldots, e_k$ in the columns headed s, ord(Δ). The column headed ord$_-(j)$ contains the exponents of these same primes in the denominator of the j-invariant, as in [2]. Finally the local factors c_p, and then the Kodaira symbols, are given for each of these primes in order.

[1] For class 990H the "strong" curve is 990H3 and not 990H1.

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

11 $N = 11 = 11$ (1 isogeny class) 11

A1(B)	0	−1	1	−10	−20	0	5	−	5	5	5	I_5	**5** : 2, 3
A2(C)	0	−1	1	−7820	−263580	0	1	−	1	1	1	I_1	**5** : 1
A3(A)	0	−1	1	0	0	0	5	−	1	1	1	I_1	**5** : 1

14 $N = 14 = 2 \cdot 7$ (1 isogeny class) 14

A1(C)	1	0	1	4	−6	0	6	−	6, 3	6, 3	2, 3	I_6,I_3	**2** : 2; **3** : 3, 4
A2(D)	1	0	1	−36	−70	0	6	+	3, 6	3, 6	1, 6	I_3,I_6	**2** : 1; **3** : 5, 6
A3(E)	1	0	1	−171	−874	0	2	−	18, 1	18, 1	2, 1	I_{18},I_1	**2** : 5; **3** : 1
A4(A)	1	0	1	−1	0	0	6	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 6; **3** : 1
A5(F)	1	0	1	−2731	−55146	0	2	+	9, 2	9, 2	1, 2	I_9,I_2	**2** : 3; **3** : 2
A6(B)	1	0	1	−11	12	0	6	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 4; **3** : 2

15 $N = 15 = 3 \cdot 5$ (1 isogeny class) 15

A1(C)	1	1	1	−10	−10	0	8	+	4, 4	4, 4	2, 4	I_4,I_4	**2** : 2, 3, 4
A2(E)	1	1	1	−135	−660	0	4	+	8, 2	8, 2	2, 2	I_8,I_2	**2** : 1, 5, 6
A3(B)	1	1	1	−5	2	0	8	+	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1, 7, 8
A4(F)	1	1	1	35	−28	0	8	−	2, 8	2, 8	2, 8	I_2,I_8	**2** : 1
A5(H)	1	1	1	−2160	−39540	0	2	+	4, 1	4, 1	2, 1	I_4,I_1	**2** : 2
A6(G)	1	1	1	−110	−880	0	2	−	16, 1	16, 1	2, 1	I_{16},I_1	**2** : 2
A7(D)	1	1	1	−80	242	0	4	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 3
A8(A)	1	1	1	0	0	0	4	−	1, 1	1, 1	1, 1	I_1,I_1	**2** : 3

17 $N = 17 = 17$ (1 isogeny class) 17

A1(C)	1	−1	1	−1	−14	0	4	−	4	4	4	I_4	**2** : 2
A2(B)	1	−1	1	−6	−4	0	4	+	2	2	2	I_2	**2** : 1, 3, 4
A3(D)	1	−1	1	−91	−310	0	2	+	1	1	1	I_1	**2** : 2
A4(A)	1	−1	1	−1	0	0	4	+	1	1	1	I_1	**2** : 2

19 $N = 19 = 19$ (1 isogeny class) 19

A1(B)	0	1	1	−9	−15	0	3	−	3	3	3	I_3	**3** : 2, 3
A2(C)	0	1	1	−769	−8470	0	1	−	1	1	1	I_1	**3** : 1
A3(A)	0	1	1	1	0	0	3	−	1	1	1	I_1	**3** : 1

20 $N = 20 = 2^2 \cdot 5$ (1 isogeny class) 20

A1(B)	0	1	0	4	4	0	6	−	8, 2	0, 2	3, 2	IV^*,I_2	**2** : 2; **3** : 3
A2(A)	0	1	0	−1	0	0	6	+	4, 1	0, 1	3, 1	IV,I_1	**2** : 1; **3** : 4
A3(D)	0	1	0	−36	−140	0	2	−	8, 6	0, 6	1, 2	IV^*,I_6	**2** : 4; **3** : 1
A4(C)	0	1	0	−41	−116	0	2	+	4, 3	0, 3	1, 1	IV,I_3	**2** : 3; **3** : 2

21 $N = 21 = 3 \cdot 7$ (1 isogeny class) 21

A1(B)	1	0	0	−4	−1	0	8	+	4, 2	4, 2	4, 2	I_4,I_2	**2** : 2, 3, 4
A2(D)	1	0	0	−49	−136	0	4	+	2, 4	2, 4	2, 2	I_2,I_4	**2** : 1, 5, 6
A3(C)	1	0	0	−39	90	0	8	+	8, 1	8, 1	8, 1	I_8,I_1	**2** : 1
A4(A)	1	0	0	1	0	0	4	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 1
A5(F)	1	0	0	−784	−8515	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 2
A6(E)	1	0	0	−34	−217	0	2	−	1, 8	1, 8	1, 2	I_1,I_8	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
24					$N = 24 = 2^3 \cdot 3$ (1 isogeny class)								**24**
A1(B)	0	−1	0	−4	4	0	8	+	8, 2	0, 2	4, 2	I_1^*,I_2	**2** : 2, 3, 4
A2(C)	0	−1	0	−24	−36	0	4	+	10, 4	0, 4	2, 2	III*,I_4	**2** : 1, 5, 6
A3(D)	0	−1	0	−64	220	0	4	+	10, 1	0, 1	2, 1	III*,I_1	**2** : 1
A4(A)	0	−1	0	1	0	0	4	−	4, 1	0, 1	2, 1	III,I_1	**2** : 1
A5(F)	0	−1	0	−384	−2772	0	2	+	11, 2	0, 2	1, 2	II*,I_2	**2** : 2
A6(E)	0	−1	0	16	−180	0	2	−	11, 8	0, 8	1, 2	II*,I_8	**2** : 2
26					$N = 26 = 2 \cdot 13$ (2 isogeny classes)								**26**
A1(B)	1	0	1	−5	−8	0	3	−	3, 3	3, 3	1, 3	I_3,I_3	**3** : 2, 3
A2(C)	1	0	1	−460	−3830	0	1	−	9, 1	9, 1	1, 1	I_9,I_1	**3** : 1
A3(A)	1	0	1	0	0	0	3	−	1, 1	1, 1	1, 1	I_1,I_1	**3** : 1
B1(D)	1	−1	1	−3	3	0	7	−	7, 1	7, 1	7, 1	I_7,I_1	**7** : 2
B2(E)	1	−1	1	−213	−1257	0	1	−	1, 7	1, 7	1, 1	I_1,I_7	**7** : 1
27					$N = 27 = 3^3$ (1 isogeny class)								**27**
A1(B)	0	0	1	0	−7	0	3	−	9	0	3	IV*	**3** : 2, 3
A2(D)	0	0	1	−270	−1708	0	1	−	11	0	1	II*	**3** : 1
A3(A)	0	0	1	0	0	0	3	−	3	0	1	II	**3** : 1, 4
A4(C)	0	0	1	−30	63	0	3	−	5	0	1	IV	**3** : 3
30					$N = 30 = 2 \cdot 3 \cdot 5$ (1 isogeny class)								**30**
A1(A)	1	0	1	1	2	0	6	−	4, 3, 1	4, 3, 1	2, 3, 1	I_4,I_3,I_1	**2** : 2; **3** : 3
A2(B)	1	0	1	−19	26	0	12	+	2, 6, 2	2, 6, 2	2, 6, 2	I_2,I_6,I_2	**2** : 1, 4, 5; **3** : 6
A3(C)	1	0	1	−14	−64	0	2	−	12, 1, 3	12, 1, 3	2, 1, 1	I_{12},I_1,I_3	**2** : 6; **3** : 1
A4(D)	1	0	1	−69	−194	0	6	+	1, 12, 1	1, 12, 1	1, 12, 1	I_1,I_{12},I_1	**2** : 2; **3** : 7
A5(E)	1	0	1	−289	1862	0	6	+	1, 3, 4	1, 3, 4	1, 3, 2	I_1,I_3,I_4	**2** : 2; **3** : 8
A6(F)	1	0	1	−334	−2368	0	4	+	6, 2, 6	6, 2, 6	2, 2, 2	I_6,I_2,I_6	**2** : 3, 7, 8; **3** : 2
A7(G)	1	0	1	−5334	−150368	0	2	+	3, 4, 3	3, 4, 3	1, 4, 1	I_3,I_4,I_3	**2** : 6; **3** : 4
A8(H)	1	0	1	−454	−544	0	2	+	3, 1, 12	3, 1, 12	1, 1, 2	I_3,I_1,I_{12}	**2** : 6; **3** : 5
32					$N = 32 = 2^5$ (1 isogeny class)								**32**
A1(B)	0	0	0	4	0	0	4	−	12	0	4	I_3^*	**2** : 2
A2(A)	0	0	0	−1	0	0	4	+	6	0	2	III	**2** : 1, 3, 4
A3(C)	0	0	0	−11	−14	0	2	+	9	0	1	I_0^*	**2** : 2
A4(D)	0	0	0	−11	14	0	4	+	9	0	2	I_0^*	**2** : 2
33					$N = 33 = 3 \cdot 11$ (1 isogeny class)								**33**
A1(B)	1	1	0	−11	0	0	4	+	6, 2	6, 2	2, 2	I_6,I_2	**2** : 2, 3, 4
A2(A)	1	1	0	−6	−9	0	2	+	3, 1	3, 1	1, 1	I_3,I_1	**2** : 1
A3(D)	1	1	0	−146	621	0	4	+	3, 4	3, 4	1, 4	I_3,I_4	**2** : 1
A4(C)	1	1	0	44	55	0	2	−	12, 1	12, 1	2, 1	I_{12},I_1	**2** : 1
34					$N = 34 = 2 \cdot 17$ (1 isogeny class)								**34**
A1(A)	1	0	0	−3	1	0	6	+	6, 1	6, 1	6, 1	I_6,I_1	**2** : 2; **3** : 3
A2(B)	1	0	0	−43	105	0	6	+	3, 2	3, 2	3, 2	I_3,I_2	**2** : 1; **3** : 4
A3(C)	1	0	0	−103	−411	0	2	+	2, 3	2, 3	2, 1	I_2,I_3	**2** : 4; **3** : 1
A4(D)	1	0	0	−113	−329	0	2	+	1, 6	1, 6	1, 2	I_1,I_6	**2** : 3; **3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
35					$N = 35 = 5 \cdot 7$		(1 isogeny class)						**35**
A1(B)	0	1	1	9	1	0	3	$-$	3, 3	3, 3	1, 3	I_3,I_3	**3** : 2, 3
A2(C)	0	1	1	−131	−650	0	1	$-$	9, 1	9, 1	1, 1	I_9,I_1	**3** : 1
A3(A)	0	1	1	−1	0	0	3	$-$	1, 1	1, 1	1, 1	I_1,I_1	**3** : 1
36					$N = 36 = 2^2 \cdot 3^2$		(1 isogeny class)						**36**
A1(A)	0	0	0	0	1	0	6	$-$	4, 3	0, 0	3, 2	IV,III	**2** : 2; **3** : 3
A2(B)	0	0	0	−15	22	0	6	$+$	8, 3	0, 0	3, 2	IV*,III	**2** : 1; **3** : 4
A3(C)	0	0	0	0	−27	0	2	$-$	4, 9	0, 0	1, 2	IV,III*	**2** : 4; **3** : 1
A4(D)	0	0	0	−135	−594	0	2	$+$	8, 9	0, 0	1, 2	IV*,III*	**2** : 3; **3** : 2
37					$N = 37 = 37$		(2 isogeny classes)						**37**
A1(A)	0	0	1	−1	0	1	1	$+$	1	1	1	I_1	
B1(C)	0	1	1	−23	−50	0	3	$+$	3	3	3	I_3	**3** : 2, 3
B2(D)	0	1	1	−1873	−31833	0	1	$+$	1	1	1	I_1	**3** : 1
B3(B)	0	1	1	−3	1	0	3	$+$	1	1	1	I_1	**3** : 1
38					$N = 38 = 2 \cdot 19$		(2 isogeny classes)						**38**
A1(D)	1	0	1	9	90	0	3	$-$	9, 3	9, 3	1, 3	I_9,I_3	**3** : 2, 3
A2(E)	1	0	1	−86	−2456	0	1	$-$	27, 1	27, 1	1, 1	I_{27},I_1	**3** : 1
A3(C)	1	0	1	−16	22	0	3	$-$	3, 1	3, 1	1, 1	I_3,I_1	**3** : 1
B1(A)	1	1	1	0	1	0	5	$-$	5, 1	5, 1	5, 1	I_5,I_1	**5** : 2
B2(B)	1	1	1	−70	−279	0	1	$-$	1, 5	1, 5	1, 1	I_1,I_5	**5** : 1
39					$N = 39 = 3 \cdot 13$		(1 isogeny class)						**39**
A1(B)	1	1	0	−4	−5	0	4	$+$	2, 2	2, 2	2, 2	I_2,I_2	**2** : 2, 3, 4
A2(C)	1	1	0	−69	−252	0	2	$+$	4, 1	4, 1	2, 1	I_4,I_1	**2** : 1
A3(D)	1	1	0	−19	22	0	4	$+$	1, 4	1, 4	1, 4	I_1,I_4	**2** : 1
A4(A)	1	1	0	1	0	0	2	$-$	1, 1	1, 1	1, 1	I_1,I_1	**2** : 1
40					$N = 40 = 2^3 \cdot 5$		(1 isogeny class)						**40**
A1(B)	0	0	0	−7	−6	0	4	$+$	8, 2	0, 2	2, 2	I_1^*,I_2	**2** : 2, 3, 4
A2(D)	0	0	0	−107	−426	0	2	$+$	10, 1	0, 1	2, 1	III*,I_1	**2** : 1
A3(A)	0	0	0	−2	1	0	4	$+$	4, 1	0, 1	2, 1	III,I_1	**2** : 1
A4(C)	0	0	0	13	−34	0	4	$-$	10, 4	0, 4	2, 4	III*,I_4	**2** : 1
42					$N = 42 = 2 \cdot 3 \cdot 7$		(1 isogeny class)						**42**
A1(A)	1	1	1	−4	5	0	8	$-$	8, 2, 1	8, 2, 1	8, 2, 1	I_8,I_2,I_1	**2** : 2
A2(B)	1	1	1	−84	261	0	8	$+$	4, 4, 2	4, 4, 2	4, 2, 2	I_4,I_4,I_2	**2** : 1, 3, 4
A3(C)	1	1	1	−104	101	0	4	$+$	2, 8, 4	2, 8, 4	2, 2, 2	I_2,I_8,I_4	**2** : 2, 5, 6
A4(D)	1	1	1	−1344	18405	0	4	$+$	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
A5(F)	1	1	1	−914	−10915	0	2	$+$	1, 4, 8	1, 4, 8	1, 2, 2	I_1,I_4,I_8	**2** : 3
A6(E)	1	1	1	386	1277	0	2	$-$	1, 16, 2	1, 16, 2	1, 2, 2	I_1,I_{16},I_2	**2** : 3
43					$N = 43 = 43$		(1 isogeny class)						**43**
A1(A)	0	1	1	0	0	1	1	$-$	1	1	1	I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
44				$N = 44 = 2^2 \cdot 11$			(1 isogeny class)						**44**
A1(A)	0	1	0	3	−1	0	3	−	8, 1	0, 1	3, 1	IV*,I$_1$	**3** : 2
A2(B)	0	1	0	−77	−289	0	1	−	8, 3	0, 3	1, 1	IV*,I$_3$	**3** : 1
45				$N = 45 = 3^2 \cdot 5$			(1 isogeny class)						**45**
A1(A)	1	−1	0	0	−5	0	2	−	7, 1	1, 1	2, 1	I$_1^*$,I$_1$	**2** : 2
A2(B)	1	−1	0	−45	−104	0	4	+	8, 2	2, 2	4, 2	I$_2^*$,I$_2$	**2** : 1, 3, 4
A3(D)	1	−1	0	−720	−7259	0	2	+	7, 1	1, 1	4, 1	I$_1^*$,I$_1$	**2** : 2
A4(C)	1	−1	0	−90	175	0	4	+	10, 4	4, 4	4, 2	I$_4^*$,I$_4$	**2** : 2, 5, 6
A5(E)	1	−1	0	−1215	16600	0	4	+	14, 2	8, 2	4, 2	I$_8^*$,I$_2$	**2** : 4, 7, 8
A6(F)	1	−1	0	315	1066	0	2	−	8, 8	2, 8	2, 2	I$_2^*$,I$_8$	**2** : 4
A7(H)	1	−1	0	−19440	1048135	0	2	+	10, 1	4, 1	2, 1	I$_4^*$,I$_1$	**2** : 5
A8(G)	1	−1	0	−990	22765	0	2	−	22, 1	16, 1	4, 1	I$_{16}^*$,I$_1$	**2** : 5
46				$N = 46 = 2 \cdot 23$			(1 isogeny class)						**46**
A1(A)	1	−1	0	−10	−12	0	2	−	10, 1	10, 1	2, 1	I$_{10}$,I$_1$	**2** : 2
A2(B)	1	−1	0	−170	−812	0	2	+	5, 2	5, 2	1, 2	I$_5$,I$_2$	**2** : 1
48				$N = 48 = 2^4 \cdot 3$			(1 isogeny class)						**48**
A1(B)	0	1	0	−4	−4	0	4	+	8, 2	0, 2	2, 2	I$_0^*$,I$_2$	**2** : 2, 3, 4
A2(D)	0	1	0	−64	−220	0	2	+	10, 1	0, 1	2, 1	I$_2^*$,I$_1$	**2** : 1
A3(C)	0	1	0	−24	36	0	8	+	10, 4	0, 4	4, 4	I$_2^*$,I$_4$	**2** : 1, 5, 6
A4(A)	0	1	0	1	0	0	2	−	4, 1	0, 1	1, 1	II,I$_1$	**2** : 1
A5(F)	0	1	0	−384	2772	0	4	+	11, 2	0, 2	2, 2	I$_3^*$,I$_2$	**2** : 3
A6(E)	0	1	0	16	180	0	8	−	11, 8	0, 8	4, 8	I$_3^*$,I$_8$	**2** : 3
49				$N = 49 = 7^2$			(1 isogeny class)						**49**
A1(A)	1	−1	0	−2	−1	0	2	−	3	0	2	III	**2** : 2; **7** : 3
A2(B)	1	−1	0	−37	−78	0	2	+	3	0	2	III	**2** : 1; **7** : 4
A3(C)	1	−1	0	−107	552	0	2	−	9	0	2	III*	**2** : 4; **7** : 1
A4(D)	1	−1	0	−1822	30393	0	2	+	9	0	2	III*	**2** : 3; **7** : 2
50				$N = 50 = 2 \cdot 5^2$			(2 isogeny classes)						**50**
A1(E)	1	0	1	−1	−2	0	3	−	1, 4	1, 0	1, 3	I$_1$,IV	**3** : 2; **5** : 3
A2(F)	1	0	1	−126	−552	0	1	−	3, 4	3, 0	1, 1	I$_3$,IV	**3** : 1; **5** : 4
A3(G)	1	0	1	−76	298	0	3	−	5, 8	5, 0	1, 3	I$_5$,IV*	**3** : 4; **5** : 1
A4(H)	1	0	1	549	−2202	0	1	−	15, 8	15, 0	1, 1	I$_{15}$,IV*	**3** : 3; **5** : 2
B1(A)	1	1	1	−3	1	0	5	−	5, 2	5, 0	5, 1	I$_5$,II	**3** : 2; **5** : 3
B2(B)	1	1	1	22	−9	0	5	−	15, 2	15, 0	15, 1	I$_{15}$,II	**3** : 1; **5** : 4
B3(C)	1	1	1	−13	−219	0	1	−	1, 10	1, 0	1, 1	I$_1$,II*	**3** : 4; **5** : 1
B4(D)	1	1	1	−3138	−68969	0	1	−	3, 10	3, 0	3, 1	I$_3$,II*	**3** : 3; **5** : 2
51				$N = 51 = 3 \cdot 17$			(1 isogeny class)						**51**
A1(A)	0	1	1	1	−1	0	3	−	3, 1	3, 1	3, 1	I$_3$,I$_1$	**3** : 2
A2(B)	0	1	1	−59	−196	0	1	−	1, 3	1, 3	1, 1	I$_1$,I$_3$	**3** : 1
52				$N = 52 = 2^2 \cdot 13$			(1 isogeny class)						**52**
A1(B)	0	0	0	1	−10	0	2	−	8, 2	0, 2	1, 2	IV*,I$_2$	**2** : 2
A2(A)	0	0	0	−4	−3	0	2	+	4, 1	0, 1	1, 1	IV,I$_1$	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

53 $N = 53 = 53$ (1 isogeny class) 53

A1(A)	1	−1	1	0	0	1	1	−	1	1	1	I_1	

54 $N = 54 = 2 \cdot 3^3$ (2 isogeny classes) 54

A1(E)	1	−1	0	12	8	0	3	−	3, 9	3, 0	1, 3	I_3,IV^*	**3** : 2, 3
A2(F)	1	−1	0	−123	−667	0	1	−	9, 11	9, 0	1, 1	I_9,II^*	**3** : 1
A3(D)	1	−1	0	−3	3	0	3	−	1, 3	1, 0	1, 1	I_1,II	**3** : 1
B1(A)	1	−1	1	1	−1	0	3	−	3, 3	3, 0	3, 1	I_3,II	**3** : 2, 3
B2(C)	1	−1	1	−29	−53	0	1	−	1, 9	1, 0	1, 1	I_1,IV^*	**3** : 1
B3(B)	1	−1	1	−14	29	0	9	−	9, 5	9, 0	9, 3	I_9,IV	**3** : 1

55 $N = 55 = 5 \cdot 11$ (1 isogeny class) 55

A1(B)	1	−1	0	−4	3	0	4	+	2, 2	2, 2	2, 2	I_2,I_2	**2** : 2, 3, 4
A2(D)	1	−1	0	−29	−52	0	2	+	1, 4	1, 4	1, 2	I_1,I_4	**2** : 1
A3(C)	1	−1	0	−59	190	0	4	+	4, 1	4, 1	4, 1	I_4,I_1	**2** : 1
A4(A)	1	−1	0	1	0	0	2	−	1, 1	1, 1	1, 1	I_1,I_1	**2** : 1

56 $N = 56 = 2^3 \cdot 7$ (2 isogeny classes) 56

A1(C)	0	0	0	1	2	0	4	−	8, 1	0, 1	4, 1	I_1^*,I_1	**2** : 2
A2(D)	0	0	0	−19	30	0	4	+	10, 2	0, 2	2, 2	III^*,I_2	**2** : 1, 3, 4
A3(E)	0	0	0	−59	−138	0	2	+	11, 4	0, 4	1, 2	II^*,I_4	**2** : 2
A4(F)	0	0	0	−299	1990	0	2	+	11, 1	0, 1	1, 1	II^*,I_1	**2** : 2
B1(A)	0	−1	0	0	−4	0	2	−	10, 1	0, 1	2, 1	III^*,I_1	**2** : 2
B2(B)	0	−1	0	−40	−84	0	2	+	11, 2	0, 2	1, 2	II^*,I_2	**2** : 1

57 $N = 57 = 3 \cdot 19$ (3 isogeny classes) 57

A1(E)	0	−1	1	−2	2	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
B1(B)	1	0	1	−7	5	0	4	+	2, 2	2, 2	2, 2	I_2,I_2	**2** : 2, 3, 4
B2(A)	1	0	1	−2	−1	0	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 1
B3(C)	1	0	1	−102	385	0	4	+	4, 1	4, 1	4, 1	I_4,I_1	**2** : 1
B4(D)	1	0	1	8	29	0	2	−	1, 4	1, 4	1, 2	I_1,I_4	**2** : 1
C1(F)	0	1	1	20	−32	0	5	−	10, 1	10, 1	10, 1	I_{10},I_1	**5** : 2
C2(G)	0	1	1	−4390	−113432	0	1	−	2, 5	2, 5	2, 1	I_2,I_5	**5** : 1

58 $N = 58 = 2 \cdot 29$ (2 isogeny classes) 58

A1(A)	1	−1	0	−1	1	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
B1(B)	1	1	1	5	9	0	5	−	10, 1	10, 1	10, 1	I_{10},I_1	**5** : 2
B2(C)	1	1	1	−455	−3951	0	1	−	2, 5	2, 5	2, 1	I_2,I_5	**5** : 1

61 $N = 61 = 61$ (1 isogeny class) 61

A1(A)	1	0	0	−2	1	1	1	−	1	1	1	I_1	

62 $N = 62 = 2 \cdot 31$ (1 isogeny class) 62

A1(A)	1	−1	1	−1	1	0	4	−	4, 1	4, 1	4, 1	I_4,I_1	**2** : 2
A2(B)	1	−1	1	−21	41	0	4	+	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1, 3, 4
A3(C)	1	−1	1	−31	5	0	2	+	1, 4	1, 4	1, 2	I_1,I_4	**2** : 2
A4(D)	1	−1	1	−331	2397	0	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

63 $N = 63 = 3^2 \cdot 7$ (1 isogeny class) 63

A1(A)	1	−1	0	9	0	0	2	−	8, 1	2, 1	2, 1	I_2^*,I_1	**2** : 2
A2(B)	1	−1	0	−36	27	0	4	+	10, 2	4, 2	4, 2	I_4^*,I_2	**2** : 1, 3, 4
A3(C)	1	−1	0	−351	−2430	0	2	+	14, 1	8, 1	4, 1	I_8^*,I_1	**2** : 2
A4(D)	1	−1	0	−441	3672	0	4	+	8, 4	2, 4	4, 2	I_2^*,I_4	**2** : 2, 5, 6
A5(F)	1	−1	0	−7056	229905	0	4	+	7, 2	1, 2	4, 2	I_1^*,I_2	**2** : 4
A6(E)	1	−1	0	−306	5859	0	2	−	7, 8	1, 8	2, 2	I_1^*,I_8	**2** : 4

64 $N = 64 = 2^6$ (1 isogeny class) 64

A1(B)	0	0	0	−4	0	0	4	+	12	0	4	I_2^*	**2** : 2, 3, 4
A2(C)	0	0	0	−44	−112	0	2	+	15	0	2	I_5^*	**2** : 1
A3(D)	0	0	0	−44	112	0	4	+	15	0	4	I_5^*	**2** : 1
A4(A)	0	0	0	1	0	0	2	−	6	0	1	II	**2** : 1

65 $N = 65 = 5 \cdot 13$ (1 isogeny class) 65

A1(A)	1	0	0	−1	0	1	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
A2(B)	1	0	0	4	1	1	2	−	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1

66 $N = 66 = 2 \cdot 3 \cdot 11$ (3 isogeny classes) 66

A1(A)	1	0	1	−6	4	0	6	+	2, 3, 1	2, 3, 1	2, 3, 1	I_2,I_3,I_1	**2** : 2; **3** : 3
A2(B)	1	0	1	4	20	0	6	−	1, 6, 2	1, 6, 2	1, 6, 2	I_1,I_6,I_2	**2** : 1; **3** : 4
A3(C)	1	0	1	−81	−284	0	2	+	6, 1, 3	6, 1, 3	2, 1, 1	I_6,I_1,I_3	**2** : 4; **3** : 1
A4(D)	1	0	1	−41	−556	0	2	−	3, 2, 6	3, 2, 6	1, 2, 2	I_3,I_2,I_6	**2** : 3; **3** : 2
B1(E)	1	1	1	−2	−1	0	4	+	4, 1, 1	4, 1, 1	4, 1, 1	I_4,I_1,I_1	**2** : 2
B2(F)	1	1	1	−22	−49	0	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
B3(H)	1	1	1	−352	−2689	0	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
B4(G)	1	1	1	−12	−81	0	2	−	1, 4, 4	1, 4, 4	1, 2, 2	I_1,I_4,I_4	**2** : 2
C1(I)	1	0	0	−45	81	0	10	+	10, 5, 1	10, 5, 1	10, 5, 1	I_{10},I_5,I_1	**2** : 2; **5** : 3
C2(J)	1	0	0	115	561	0	10	−	5, 10, 2	5, 10, 2	5, 10, 2	I_5,I_{10},I_2	**2** : 1; **5** : 4
C3(L)	1	0	0	−10065	−389499	0	2	+	2, 1, 5	2, 1, 5	2, 1, 5	I_2,I_1,I_5	**2** : 4; **5** : 1
C4(K)	1	0	0	−10055	−390309	0	2	−	1, 2, 10	1, 2, 10	1, 2, 10	I_1,I_2,I_{10}	**2** : 3; **5** : 2

67 $N = 67 = 67$ (1 isogeny class) 67

A1(A)	0	1	1	−12	−21	0	1	−	1	1	1	I_1	

69 $N = 69 = 3 \cdot 23$ (1 isogeny class) 69

A1(A)	1	0	1	−1	−1	0	2	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2(B)	1	0	1	−16	−25	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1

70 $N = 70 = 2 \cdot 5 \cdot 7$ (1 isogeny class) 70

A1(A)	1	−1	1	2	−3	0	4	−	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	**2** : 2
A2(B)	1	−1	1	−18	−19	0	4	+	2, 4, 2	2, 4, 2	2, 2, 2	I_2,I_4,I_2	**2** : 1, 3, 4
A3(D)	1	−1	1	−268	−1619	0	2	+	1, 2, 4	1, 2, 4	1, 2, 2	I_1,I_2,I_4	**2** : 2
A4(C)	1	−1	1	−88	317	0	2	+	1, 8, 1	1, 8, 1	1, 2, 1	I_1,I_8,I_1	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

72 $N = 72 = 2^3 \cdot 3^2$ (1 isogeny class) 72

A1(A)	0	0	0	6	−7	0	4	−	4, 7	0, 1	2, 4	III,I_1^*	**2** : 2
A2(B)	0	0	0	−39	−70	0	4	+	8, 8	0, 2	2, 4	I_1^*,I_2^*	**2** : 1, 3, 4
A3(D)	0	0	0	−579	−5362	0	2	+	10, 7	0, 1	2, 2	III*,I_1^*	**2** : 2
A4(C)	0	0	0	−219	1190	0	4	+	10, 10	0, 4	2, 4	III*,I_4^*	**2** : 2, 5, 6
A5(F)	0	0	0	−3459	78302	0	2	+	11, 8	0, 2	1, 2	II*,I_2^*	**2** : 4
A6(E)	0	0	0	141	4718	0	2	−	11, 14	0, 8	1, 4	II*,I_8^*	**2** : 4

73 $N = 73 = 73$ (1 isogeny class) 73

A1(B)	1	−1	0	4	−3	0	2	−	2	2	2	I_2	**2** : 2
A2(A)	1	−1	0	−1	0	0	2	+	1	1	1	I_1	**2** : 1

75 $N = 75 = 3 \cdot 5^2$ (3 isogeny classes) 75

A1(A)	0	−1	1	−8	−7	0	1	−	1, 4	1, 0	1, 1	I_1,IV	**5** : 2
A2(B)	0	−1	1	42	443	0	1	−	5, 8	5, 0	1, 1	I_5,IV*	**5** : 1
B1(E)	1	0	1	−1	23	0	2	−	1, 7	1, 1	1, 2	I_1,I_1^*	**2** : 2
B2(F)	1	0	1	−126	523	0	4	+	2, 8	2, 2	2, 4	I_2,I_2^*	**2** : 1, 3, 4
B3(G)	1	0	1	−251	−727	0	4	+	4, 10	4, 4	4, 4	I_4,I_4^*	**2** : 2, 5, 6
B4(H)	1	0	1	−2001	34273	0	2	+	1, 7	1, 1	1, 2	I_1,I_1^*	**2** : 2
B5(I)	1	0	1	−3376	−75727	0	4	+	8, 8	8, 2	8, 4	I_8,I_2^*	**2** : 3, 7, 8
B6(J)	1	0	1	874	−5227	0	2	−	2, 14	2, 8	2, 4	I_2,I_8^*	**2** : 3
B7(L)	1	0	1	−54001	−4834477	0	2	+	4, 7	4, 1	4, 4	I_4,I_1^*	**2** : 5
B8(K)	1	0	1	−2751	−104477	0	4	−	16, 7	16, 1	16, 4	I_{16},I_1^*	**2** : 5
C1(C)	0	1	1	2	4	0	5	−	5, 2	5, 0	5, 1	I_5,II	**5** : 2
C2(D)	0	1	1	−208	−1256	0	1	−	1, 10	1, 0	1, 1	I_1,II*	**5** : 1

76 $N = 76 = 2^2 \cdot 19$ (1 isogeny class) 76

A1(A)	0	−1	0	−21	−31	0	1	−	8, 1	0, 1	1, 1	IV*,I_1	

77 $N = 77 = 7 \cdot 11$ (3 isogeny classes) 77

A1(F)	0	0	1	2	0	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
B1(D)	0	1	1	−49	600	0	3	−	6, 3	6, 3	6, 1	I_6,I_3	**3** : 2, 3
B2(E)	0	1	1	441	−15815	0	1	−	2, 9	2, 9	2, 1	I_2,I_9	**3** : 1
B3(C)	0	1	1	−89	295	0	3	−	2, 1	2, 1	2, 1	I_2,I_1	**3** : 1
C1(A)	1	1	0	4	11	0	2	−	3, 2	3, 2	1, 2	I_3,I_2	**2** : 2
C2(B)	1	1	0	−51	110	0	2	+	6, 1	6, 1	2, 1	I_6,I_1	**2** : 1

78 $N = 78 = 2 \cdot 3 \cdot 13$ (1 isogeny class) 78

A1(A)	1	1	0	−19	685	0	2	−	16, 5, 1	16, 5, 1	2, 1, 1	I_{16},I_5,I_1	**2** : 2
A2(B)	1	1	0	−1299	17325	0	4	+	8, 10, 2	8, 10, 2	2, 2, 2	I_8,I_{10},I_2	**2** : 1, 3, 4
A3(C)	1	1	0	−2339	−15747	0	2	+	4, 20, 1	4, 20, 1	2, 2, 1	I_4,I_{20},I_1	**2** : 2
A4(D)	1	1	0	−20739	1140957	0	4	+	4, 5, 4	4, 5, 4	2, 1, 4	I_4,I_5,I_4	**2** : 2

79 $N = 79 = 79$ (1 isogeny class) 79

A1(A)	1	1	1	−2	0	1	1	+	1	1	1	I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

80 $N = 80 = 2^4 \cdot 5$ (2 isogeny classes) 80

A1(F)	0	0	0	−7	6	0	4	+	8, 2	0, 2	2, 2	I_0^*,I_2	**2** : 2, 3, 4
A2(E)	0	0	0	−2	−1	0	2	+	4, 1	0, 1	1, 1	II,I_1	**2** : 1
A3(H)	0	0	0	−107	426	0	4	+	10, 1	0, 1	4, 1	I_2^*,I_1	**2** : 1
A4(G)	0	0	0	13	34	0	4	−	10, 4	0, 4	2, 4	I_2^*,I_4	**2** : 1
B1(B)	0	−1	0	4	−4	0	2	−	8, 2	0, 2	1, 2	I_0^*,I_2	**2** : 2; **3** : 3
B2(A)	0	−1	0	−1	0	0	2	+	4, 1	0, 1	1, 1	II,I_1	**2** : 1; **3** : 4
B3(D)	0	−1	0	−36	140	0	2	−	8, 6	0, 6	1, 2	I_0^*,I_6	**2** : 4; **3** : 1
B4(C)	0	−1	0	−41	116	0	2	+	4, 3	0, 3	1, 1	II,I_3	**2** : 3; **3** : 2

82 $N = 82 = 2 \cdot 41$ (1 isogeny class) 82

A1(A)	1	0	1	−2	0	1	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2(B)	1	0	1	−12	−16	1	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1

83 $N = 83 = 83$ (1 isogeny class) 83

A1(A)	1	1	1	1	0	1	1	−	1	1	1	I_1	

84 $N = 84 = 2^2 \cdot 3 \cdot 7$ (2 isogeny classes) 84

A1(C)	0	1	0	7	0	0	6	−	4, 3, 2	0, 3, 2	3, 3, 2	IV,I_3,I_2	**2** : 2; **3** : 3
A2(D)	0	1	0	−28	−28	0	6	+	8, 6, 1	0, 6, 1	3, 6, 1	IV^*,I_6,I_1	**2** : 1; **3** : 4
A3(E)	0	1	0	−113	−516	0	2	−	4, 1, 6	0, 1, 6	1, 1, 6	IV,I_1,I_6	**2** : 4; **3** : 1
A4(F)	0	1	0	−1828	−30700	0	2	+	8, 2, 3	0, 2, 3	1, 2, 3	IV^*,I_2,I_3	**2** : 3; **3** : 2
B1(A)	0	−1	0	−1	−2	0	2	−	4, 1, 2	0, 1, 2	1, 1, 2	IV,I_1,I_2	**2** : 2
B2(B)	0	−1	0	−36	−72	0	2	+	8, 2, 1	0, 2, 1	1, 2, 1	IV^*,I_2,I_1	**2** : 1

85 $N = 85 = 5 \cdot 17$ (1 isogeny class) 85

A1(A)	1	1	0	−8	−13	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2(B)	1	1	0	−3	−22	0	2	−	4, 2	4, 2	2, 2	I_4,I_2	**2** : 1

88 $N = 88 = 2^3 \cdot 11$ (1 isogeny class) 88

A1(A)	0	0	0	−4	4	1	1	−	8, 1	0, 1	4, 1	I_1^*,I_1	

89 $N = 89 = 89$ (2 isogeny classes) 89

A1(C)	1	1	1	−1	0	1	1	−	1	1	1	I_1	
B1(A)	1	1	0	4	5	0	2	−	2	2	2	I_2	**2** : 2
B2(B)	1	1	0	−1	0	0	2	+	1	1	1	I_1	**2** : 1

90 $N = 90 = 2 \cdot 3^2 \cdot 5$ (3 isogeny classes) 90

A1(M)	1	−1	0	6	0	0	6	−	2, 3, 3	2, 0, 3	2, 2, 3	I_2,III,I_3	**2** : 2; **3** : 3
A2(N)	1	−1	0	−24	18	0	6	+	1, 3, 6	1, 0, 6	1, 2, 6	I_1,III,I_6	**2** : 1; **3** : 4
A3(O)	1	−1	0	−69	−235	0	2	−	6, 9, 1	6, 0, 1	2, 2, 1	I_6,III^*,I_1	**2** : 4; **3** : 1
A4(P)	1	−1	0	−1149	−14707	0	2	+	3, 9, 2	3, 0, 2	1, 2, 2	I_3,III^*,I_2	**2** : 3; **3** : 2
B1(A)	1	−1	1	−8	11	0	6	−	6, 3, 1	6, 0, 1	6, 2, 1	I_6,III,I_1	**2** : 2; **3** : 3
B2(B)	1	−1	1	−128	587	0	6	+	3, 3, 2	3, 0, 2	3, 2, 2	I_3,III,I_2	**2** : 1; **3** : 4
B3(C)	1	−1	1	52	−53	0	2	−	2, 9, 3	2, 0, 3	2, 2, 1	I_2,III^*,I_3	**2** : 4; **3** : 1
B4(D)	1	−1	1	−218	−269	0	2	+	1, 9, 6	1, 0, 6	1, 2, 2	I_1,III^*,I_6	**2** : 3; **3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

90 $N = 90 = 2 \cdot 3^2 \cdot 5$ (continued) 90

C1(E)	1	−1	1	13	−61	0	4	−	4, 9, 1	4, 3, 1	4, 4, 1	I_4,I_3^*,I_1	**2** : 2; **3** : 3
C2(F)	1	−1	1	−167	−709	0	4	+	2, 12, 2	2, 6, 2	2, 4, 2	I_2,I_6^*,I_2	**2** : 1, 4, 5; **3** : 6
C3(G)	1	−1	1	−122	1721	0	12	−	12, 7, 3	12, 1, 3	12, 4, 3	I_{12},I_1^*,I_3	**2** : 6; **3** : 1
C4(I)	1	−1	1	−2597	−50281	0	2	+	1, 9, 4	1, 3, 4	1, 2, 4	I_1,I_3^*,I_4	**2** : 2; **3** : 7
C5(H)	1	−1	1	−617	5231	0	2	+	1, 18, 1	1, 12, 1	1, 4, 1	I_1,I_{12}^*,I_1	**2** : 2; **3** : 8
C6(J)	1	−1	1	−3002	63929	0	12	+	6, 8, 6	6, 2, 6	6, 4, 6	I_6,I_2^*,I_6	**2** : 3, 7, 8; **3** : 2
C7(L)	1	−1	1	−4082	14681	0	6	+	3, 7, 12	3, 1, 12	3, 2, 12	I_3,I_1^*,I_{12}	**2** : 6; **3** : 4
C8(K)	1	−1	1	−48002	4059929	0	6	+	3, 10, 3	3, 4, 3	3, 4, 3	I_3,I_4^*,I_3	**2** : 6; **3** : 5

91 $N = 91 = 7 \cdot 13$ (2 isogeny classes) 91

A1(A)	0	0	1	1	0	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	
B1(B)	0	1	1	−7	5	1	3	−	1, 1	1, 1	1, 1	I_1,I_1	**3** : 2
B2(C)	0	1	1	13	42	1	3	−	3, 3	3, 3	3, 3	I_3,I_3	**3** : 1, 3
B3(D)	0	1	1	−117	−1245	1	1	−	9, 1	9, 1	9, 1	I_9,I_1	**3** : 2

92 $N = 92 = 2^2 \cdot 23$ (2 isogeny classes) 92

A1(A)	0	1	0	2	1	0	3	−	4, 1	0, 1	3, 1	IV,I_1	**3** : 2
A2(B)	0	1	0	−18	−43	0	1	−	4, 3	0, 3	1, 1	IV,I_3	**3** : 1
B1(C)	0	0	0	−1	1	1	1	−	4, 1	0, 1	3, 1	IV,I_1	

94 $N = 94 = 2 \cdot 47$ (1 isogeny class) 94

A1(A)	1	−1	1	0	−1	0	2	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2(B)	1	−1	1	−10	−9	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1

96 $N = 96 = 2^5 \cdot 3$ (2 isogeny classes) 96

A1(E)	0	1	0	−2	0	0	4	+	6, 2	0, 2	2, 2	III,I_2	**2** : 2, 3, 4
A2(F)	0	1	0	−17	−33	0	2	+	12, 1	0, 1	2, 1	I_3^*,I_1	**2** : 1
A3(H)	0	1	0	−32	60	0	2	+	9, 1	0, 1	1, 1	I_0^*,I_1	**2** : 1
A4(G)	0	1	0	8	8	0	4	−	9, 4	0, 4	2, 4	I_0^*,I_4	**2** : 1
B1(A)	0	−1	0	−2	0	0	4	+	6, 2	0, 2	2, 2	III,I_2	**2** : 2, 3, 4
B2(D)	0	−1	0	−32	−60	0	2	+	9, 1	0, 1	2, 1	I_0^*,I_1	**2** : 1
B3(B)	0	−1	0	−17	33	0	4	+	12, 1	0, 1	4, 1	I_3^*,I_1	**2** : 1
B4(C)	0	−1	0	8	−8	0	2	−	9, 4	0, 4	1, 2	I_0^*,I_4	**2** : 1

98 $N = 98 = 2 \cdot 7^2$ (1 isogeny class) 98

A1(B)	1	1	0	−25	−111	0	2	−	2, 7	2, 1	2, 2	I_2,I_1^*	**2** : 2; **3** : 3
A2(A)	1	1	0	−515	−4717	0	2	+	1, 8	1, 2	1, 4	I_1,I_2^*	**2** : 1; **3** : 4
A3(D)	1	1	0	220	2192	0	2	−	6, 9	6, 3	2, 2	I_6,I_3^*	**2** : 4; **3** : 1, 5
A4(C)	1	1	0	−1740	22184	0	2	+	3, 12	3, 6	1, 4	I_3,I_6^*	**2** : 3; **3** : 2, 6
A5(F)	1	1	0	−8355	291341	0	2	−	18, 7	18, 1	2, 2	I_{18},I_1^*	**2** : 6; **3** : 3
A6(E)	1	1	0	−133795	18781197	0	2	+	9, 8	9, 2	1, 4	I_9,I_2^*	**2** : 5; **3** : 4

99 $N = 99 = 3^2 \cdot 11$ (4 isogeny classes) 99

A1(A)	1	−1	1	−2	0	1	2	+	3, 1	0, 1	2, 1	III,I_1	**2** : 2
A2(B)	1	−1	1	−17	30	1	2	+	3, 2	0, 2	2, 2	III,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
99				$N = 99 = 3^2 \cdot 11$ (continued)									**99**
B1(H)	1	−1	1	−59	186	0	4	+	9, 1	3, 1	4, 1	I_3^*,I_1	**2** : 2
B2(I)	1	−1	1	−104	−102	0	4	+	12, 2	6, 2	4, 2	I_6^*,I_2	**2** : 1, 3, 4
B3(K)	1	−1	1	−1319	−18084	0	2	+	9, 4	3, 4	2, 2	I_3^*,I_4	**2** : 2
B4(J)	1	−1	1	391	−1092	0	2	−	18, 1	12, 1	4, 1	I_{12}^*,I_1	**2** : 2
C1(F)	1	−1	0	−15	8	0	2	+	9, 1	0, 1	2, 1	III*,I_1	**2** : 2
C2(G)	1	−1	0	−150	−667	0	2	+	9, 2	0, 2	2, 2	III*,I_2	**2** : 1
D1(C)	0	0	1	−3	−5	0	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	**5** : 2
D2(D)	0	0	1	−93	625	0	1	−	6, 5	0, 5	1, 1	I_0^*,I_5	**5** : 1, 3
D3(E)	0	0	1	−70383	7187035	0	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	**5** : 2
100				$N = 100 = 2^2 \cdot 5^2$ (1 isogeny class)									**100**
A1(A)	0	−1	0	−33	62	0	2	+	4, 7	0, 1	1, 2	IV,I_1^*	**2** : 2; **3** : 3
A2(B)	0	−1	0	92	312	0	2	−	8, 8	0, 2	1, 4	IV*,I_2^*	**2** : 1; **3** : 4
A3(C)	0	−1	0	−1033	−12438	0	2	+	4, 9	0, 3	3, 2	IV,I_3^*	**2** : 4; **3** : 1
A4(D)	0	−1	0	−908	−15688	0	2	−	8, 12	0, 6	3, 4	IV*,I_6^*	**2** : 3; **3** : 2
101				$N = 101 = 101$ (1 isogeny class)									**101**
A1(A)	0	1	1	−1	−1	1	1	+	1	1	1	I_1	
102				$N = 102 = 2 \cdot 3 \cdot 17$ (3 isogeny classes)									**102**
A1(E)	1	1	0	−2	0	1	2	+	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
A2(F)	1	1	0	8	10	1	2	−	1, 4, 2	1, 4, 2	1, 2, 2	I_1,I_4,I_2	**2** : 1
B1(G)	1	0	0	−34	68	0	8	+	8, 4, 1	8, 4, 1	8, 4, 1	I_8,I_4,I_1	**2** : 2
B2(H)	1	0	0	−114	−396	0	8	+	4, 8, 2	4, 8, 2	4, 8, 2	I_4,I_8,I_2	**2** : 1, 3, 4
B3(J)	1	0	0	−1734	−27936	0	4	+	2, 4, 4	2, 4, 4	2, 4, 4	I_2,I_4,I_4	**2** : 2, 5, 6
B4(I)	1	0	0	226	−2232	0	4	−	2, 16, 1	2, 16, 1	2, 16, 1	I_2,I_{16},I_1	**2** : 2
B5(L)	1	0	0	−27744	−1781010	0	2	+	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 3
B6(K)	1	0	0	−1644	−30942	0	2	−	1, 2, 8	1, 2, 8	1, 2, 8	I_1,I_2,I_8	**2** : 3
C1(A)	1	0	1	−256	1550	0	6	+	6, 6, 1	6, 6, 1	2, 6, 1	I_6,I_6,I_1	**2** : 2; **3** : 3
C2(B)	1	0	1	−216	2062	0	6	−	3, 12, 2	3, 12, 2	1, 12, 2	I_3,I_{12},I_2	**2** : 1; **3** : 4
C3(C)	1	0	1	−751	−6046	0	2	+	18, 2, 3	18, 2, 3	2, 2, 1	I_{18},I_2,I_3	**2** : 4; **3** : 1
C4(D)	1	0	1	1809	−37790	0	2	−	9, 4, 6	9, 4, 6	1, 4, 2	I_9,I_4,I_6	**2** : 3; **3** : 2
104				$N = 104 = 2^3 \cdot 13$ (1 isogeny class)									**104**
A1(A)	0	1	0	−16	−32	0	1	−	11, 1	0, 1	1, 1	II*,I_1	
105				$N = 105 = 3 \cdot 5 \cdot 7$ (1 isogeny class)									**105**
A1(A)	1	0	1	−3	1	0	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
A2(B)	1	0	1	−8	−7	0	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
A3(D)	1	0	1	−113	−469	0	2	+	1, 4, 1	1, 4, 1	1, 4, 1	I_1,I_4,I_1	**2** : 2
A4(C)	1	0	1	17	−37	0	4	−	4, 1, 4	4, 1, 4	4, 1, 4	I_4,I_1,I_4	**2** : 2
106				$N = 106 = 2 \cdot 53$ (4 isogeny classes)									**106**
A1(B)	1	0	0	1	1	0	3	−	3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
A2(C)	1	0	0	−9	−29	0	1	−	1, 3	1, 3	1, 1	I_1,I_3	**3** : 1
B1(A)	1	1	0	−7	5	1	1	−	4, 1	4, 1	2, 1	I_4,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

106 $N = 106 = 2 \cdot 53$ (continued) 106

C1(E)	1	0	0	−283	−2351	0	3	−	24, 1	24, 1	24, 1	I_{24},I_1	**3** : 2
C2(F)	1	0	0	−24603	−1487407	0	1	−	8, 3	8, 3	8, 1	I_8,I_3	**3** : 1
D1(D)	1	1	0	−27	−67	0	1	−	5, 1	5, 1	1, 1	I_5,I_1	

108 $N = 108 = 2^2 \cdot 3^3$ (1 isogeny class) 108

A1(A)	0	0	0	0	4	0	3	−	8, 3	0, 0	3, 1	IV*,II	**3** : 2
A2(B)	0	0	0	0	−108	0	1	−	8, 9	0, 0	1, 1	IV*,IV*	**3** : 1

109 $N = 109 = 109$ (1 isogeny class) 109

A1(A)	1	−1	0	−8	−7	0	1	−	1	1	1	I_1	

110 $N = 110 = 2 \cdot 5 \cdot 11$ (3 isogeny classes) 110

A1(C)	1	1	1	10	−45	0	5	−	5, 5, 1	5, 5, 1	5, 5, 1	I_5,I_5,I_1	**5** : 2
A2(D)	1	1	1	−5940	−178685	0	1	−	1, 1, 5	1, 1, 5	1, 1, 5	I_1,I_1,I_5	**5** : 1
B1(A)	1	0	0	−1	1	0	3	−	3, 1, 1	3, 1, 1	3, 1, 1	I_3,I_1,I_1	**3** : 2
B2(B)	1	0	0	9	−25	0	1	−	1, 3, 3	1, 3, 3	1, 1, 1	I_1,I_3,I_3	**3** : 1
C1(E)	1	0	1	−89	316	0	3	−	7, 1, 3	7, 1, 3	1, 1, 3	I_7,I_1,I_3	**3** : 2
C2(F)	1	0	1	296	1702	0	1	−	21, 3, 1	21, 3, 1	1, 1, 1	I_{21},I_3,I_1	**3** : 1

112 $N = 112 = 2^4 \cdot 7$ (3 isogeny classes) 112

A1(K)	0	1	0	0	4	1	2	−	10, 1	0, 1	4, 1	I_2^*,I_1	**2** : 2
A2(L)	0	1	0	−40	84	1	2	+	11, 2	0, 2	4, 2	I_3^*,I_2	**2** : 1
B1(A)	0	0	0	1	−2	0	2	−	8, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
B2(B)	0	0	0	−19	−30	0	4	+	10, 2	0, 2	4, 2	I_2^*,I_2	**2** : 1, 3, 4
B3(D)	0	0	0	−299	−1990	0	2	+	11, 1	0, 1	4, 1	I_3^*,I_1	**2** : 2
B4(C)	0	0	0	−59	138	0	4	+	11, 4	0, 4	2, 4	I_3^*,I_4	**2** : 2
C1(E)	0	−1	0	−8	−16	0	2	−	14, 1	2, 1	4, 1	I_6^*,I_1	**2** : 2; **3** : 3
C2(F)	0	−1	0	−168	−784	0	2	+	13, 2	1, 2	2, 2	I_5^*,I_2	**2** : 1; **3** : 4
C3(G)	0	−1	0	72	368	0	2	−	18, 3	6, 3	4, 1	I_{10}^*,I_3	**2** : 4; **3** : 1, 5
C4(H)	0	−1	0	−568	4464	0	2	+	15, 6	3, 6	2, 2	I_7^*,I_6	**2** : 3; **3** : 2, 6
C5(I)	0	−1	0	−2728	55920	0	2	−	30, 1	18, 1	4, 1	I_{22}^*,I_1	**2** : 6; **3** : 3
C6(J)	0	−1	0	−43688	3529328	0	2	+	21, 2	9, 2	2, 2	I_{13}^*,I_2	**2** : 5; **3** : 4

113 $N = 113 = 113$ (1 isogeny class) 113

A1(B)	1	1	1	3	−4	0	2	−	2	2	2	I_2	**2** : 2
A2(A)	1	1	1	−2	−2	0	2	+	1	1	1	I_1	**2** : 1

114 $N = 114 = 2 \cdot 3 \cdot 19$ (3 isogeny classes) 114

A1(A)	1	0	0	−8	0	0	6	+	6, 3, 1	6, 3, 1	6, 3, 1	I_6,I_3,I_1	**2** : 2; **3** : 3
A2(B)	1	0	0	32	8	0	6	−	3, 6, 2	3, 6, 2	3, 6, 2	I_3,I_6,I_2	**2** : 1; **3** : 4
A3(C)	1	0	0	−428	−3444	0	2	+	2, 1, 3	2, 1, 3	2, 1, 3	I_2,I_1,I_3	**2** : 4; **3** : 1
A4(D)	1	0	0	−418	−3610	0	2	−	1, 2, 6	1, 2, 6	1, 2, 6	I_1,I_2,I_6	**2** : 3; **3** : 2
B1(E)	1	1	0	−95	−399	0	2	+	2, 5, 1	2, 5, 1	2, 1, 1	I_2,I_5,I_1	**2** : 2
B2(F)	1	1	0	−85	−473	0	2	−	1, 10, 2	1, 10, 2	1, 2, 2	I_1,I_{10},I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
114				$N = 114 = 2 \cdot 3 \cdot 19$ (continued)								**114**
C1(G)	1	1	1	−352	−2431	0	4	+ 20, 3, 1	20, 3, 1	20, 1, 1	I_{20},I_3,I_1	**2** : 2
C2(H)	1	1	1	−5472	−158079	0	4	+ 10, 6, 2	10, 6, 2	10, 2, 2	I_{10},I_6,I_2	**2** : 1, 3, 4
C3(J)	1	1	1	−87552	−10007679	0	2	+ 5, 3, 1	5, 3, 1	5, 1, 1	I_5,I_3,I_1	**2** : 2
C4(I)	1	1	1	−5312	−167551	0	2	− 5, 12, 4	5, 12, 4	5, 2, 2	I_5,I_{12},I_4	**2** : 2
115				$N = 115 = 5 \cdot 23$ (1 isogeny class)								**115**
A1(A)	0	0	1	7	−11	0	1	− 5, 1	5, 1	1, 1	I_5,I_1	
116				$N = 116 = 2^2 \cdot 29$ (3 isogeny classes)								**116**
A1(E)	0	0	0	−4831	−129242	0	1	− 8, 1	0, 1	3, 1	IV^*,I_1	
B1(A)	0	1	0	−4	4	0	3	− 8, 1	0, 1	3, 1	IV^*,I_1	**3** : 2
B2(B)	0	1	0	36	−76	0	1	− 8, 3	0, 3	1, 1	IV^*,I_3	**3** : 1
C1(D)	0	−1	0	−4	24	0	2	− 8, 2	0, 2	1, 2	IV^*,I_2	**2** : 2
C2(C)	0	−1	0	−9	14	0	2	+ 4, 1	0, 1	1, 1	IV,I_1	**2** : 1
117				$N = 117 = 3^2 \cdot 13$ (1 isogeny class)								**117**
A1(A)	1	−1	1	4	6	1	4	− 7, 1	1, 1	4, 1	I_1^*,I_1	**2** : 2
A2(B)	1	−1	1	−41	96	1	4	+ 8, 2	2, 2	4, 2	I_2^*,I_2	**2** : 1, 3, 4
A3(D)	1	−1	1	−176	−768	1	2	+ 7, 4	1, 4	2, 4	I_1^*,I_4	**2** : 2
A4(C)	1	−1	1	−626	6180	1	2	+ 10, 1	4, 1	4, 1	I_4^*,I_1	**2** : 2
118				$N = 118 = 2 \cdot 59$ (4 isogeny classes)								**118**
A1(A)	1	1	0	1	1	1	1	− 2, 1	2, 1	2, 1	I_2,I_1	
B1(B)	1	1	1	−25	39	0	5	− 10, 1	10, 1	10, 1	I_{10},I_1	**5** : 2
B2(C)	1	1	1	115	−2481	0	1	− 2, 5	2, 5	2, 1	I_2,I_5	**5** : 1
C1(D)	1	1	1	−4	−5	0	1	− 1, 1	1, 1	1, 1	I_1,I_1	
D1(E)	1	1	0	56	−192	0	1	− 19, 1	19, 1	1, 1	I_{19},I_1	
120				$N = 120 = 2^3 \cdot 3 \cdot 5$ (2 isogeny classes)								**120**
A1(E)	0	1	0	−15	18	0	4	+ 4, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	**2** : 2
A2(F)	0	1	0	−20	0	0	8	+ 8, 4, 2	0, 4, 2	4, 4, 2	I_1^*,I_4,I_2	**2** : 1, 3, 4
A3(H)	0	1	0	−200	−1152	0	4	+ 10, 2, 4	0, 2, 4	2, 2, 4	III^*,I_2,I_4	**2** : 2, 5, 6
A4(G)	0	1	0	80	80	0	4	− 10, 8, 1	0, 8, 1	2, 8, 1	III^*,I_8,I_1	**2** : 2
A5(J)	0	1	0	−3200	−70752	0	2	+ 11, 1, 2	0, 1, 2	1, 1, 2	II^*,I_1,I_2	**2** : 3
A6(I)	0	1	0	−80	−2400	0	2	− 11, 1, 8	0, 1, 8	1, 1, 8	II^*,I_1,I_8	**2** : 3
B1(A)	0	1	0	4	0	0	2	− 8, 1, 1	0, 1, 1	2, 1, 1	I_1^*,I_1,I_1	**2** : 2
B2(B)	0	1	0	−16	−16	0	4	+ 10, 2, 2	0, 2, 2	2, 2, 2	III^*,I_2,I_2	**2** : 1, 3, 4
B3(C)	0	1	0	−216	−1296	0	2	+ 11, 4, 1	0, 4, 1	1, 4, 1	II^*,I_4,I_1	**2** : 2
B4(D)	0	1	0	−136	560	0	2	+ 11, 1, 4	0, 1, 4	1, 1, 2	II^*,I_1,I_4	**2** : 2
121				$N = 121 = 11^2$ (4 isogeny classes)								**121**
A1(H)	1	1	1	−30	−76	0	1	− 2	0	1	II	**11** : 2
A2(I)	1	1	1	−305	7888	0	1	− 10	0	1	II^*	**11** : 1
B1(D)	0	−1	1	−7	10	1	1	− 3	0	2	III	**11** : 2
B2(E)	0	−1	1	−887	−10143	1	1	− 9	0	2	III^*	**11** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

121 $N = 121 = 11^2$ (continued) 121

C1(F)	1	1	0	−2	−7	0	1	−	4	0	1	IV	**11** : 2
C2(G)	1	1	0	−3632	82757	0	1	−	8	0	1	IV*	**11** : 1
D1(A)	0	−1	1	−40	−221	0	1	−	7	1	2	I_1^*	**5** : 2
D2(B)	0	−1	1	−1250	31239	0	1	−	11	5	2	I_5^*	**5** : 1, 3
D3(C)	0	−1	1	−946260	354609639	0	1	−	7	1	2	I_1^*	**5** : 2

122 $N = 122 = 2 \cdot 61$ (1 isogeny class) 122

A1(A)	1	0	1	2	0	1	1	−	4, 1	4, 1	2, 1	I_4,I_1	

123 $N = 123 = 3 \cdot 41$ (2 isogeny classes) 123

A1(A)	0	1	1	−10	10	1	5	−	5, 1	5, 1	5, 1	I_5,I_1	**5** : 2
A2(B)	0	1	1	20	−890	1	1	−	1, 5	1, 5	1, 5	I_1,I_5	**5** : 1
B1(C)	0	−1	1	1	−1	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	

124 $N = 124 = 2^2 \cdot 31$ (2 isogeny classes) 124

A1(B)	0	1	0	−2	1	1	3	−	4, 1	0, 1	3, 1	IV,I_1	**3** : 2
A2(C)	0	1	0	18	−11	1	1	−	4, 3	0, 3	1, 3	IV,I_3	**3** : 1
B1(A)	0	0	0	−17	−27	0	1	−	4, 1	0, 1	1, 1	IV,I_1	

126 $N = 126 = 2 \cdot 3^2 \cdot 7$ (2 isogeny classes) 126

A1(A)	1	−1	1	−5	−7	0	2	−	2, 6, 1	2, 0, 1	2, 2, 1	I_2,I_0^*,I_1	**2** : 2; **3** : 3
A2(B)	1	−1	1	−95	−331	0	2	+	1, 6, 2	1, 0, 2	1, 2, 2	I_1,I_0^*,I_2	**2** : 1; **3** : 4
A3(C)	1	−1	1	40	155	0	6	−	6, 6, 3	6, 0, 3	6, 2, 3	I_6,I_0^*,I_3	**2** : 4; **3** : 1, 5
A4(D)	1	−1	1	−320	1883	0	6	+	3, 6, 6	3, 0, 6	3, 2, 6	I_3,I_0^*,I_6	**2** : 3; **3** : 2, 6
A5(E)	1	−1	1	−1535	23591	0	6	−	18, 6, 1	18, 0, 1	18, 2, 1	I_{18},I_0^*,I_1	**2** : 6; **3** : 3
A6(F)	1	−1	1	−24575	1488935	0	6	+	9, 6, 2	9, 0, 2	9, 2, 2	I_9,I_0^*,I_2	**2** : 5; **3** : 4
B1(G)	1	−1	0	−36	−176	0	2	−	8, 8, 1	8, 2, 1	2, 2, 1	I_8,I_2^*,I_1	**2** : 2
B2(H)	1	−1	0	−756	−7808	0	4	+	4, 10, 2	4, 4, 2	2, 4, 2	I_4,I_4^*,I_2	**2** : 1, 3, 4
B3(J)	1	−1	0	−12096	−509036	0	2	+	2, 8, 1	2, 2, 1	2, 4, 1	I_2,I_2^*,I_1	**2** : 2
B4(I)	1	−1	0	−936	−3668	0	4	+	2, 14, 4	2, 8, 4	2, 4, 2	I_2,I_8^*,I_4	**2** : 2, 5, 6
B5(L)	1	−1	0	−8226	286474	0	2	+	1, 10, 8	1, 4, 8	1, 2, 2	I_1,I_4^*,I_8	**2** : 4
B6(K)	1	−1	0	3474	−31010	0	2	−	1, 22, 2	1, 16, 2	1, 4, 2	I_1,I_{16}^*,I_2	**2** : 4

128 $N = 128 = 2^7$ (4 isogeny classes) 128

A1(C)	0	1	0	1	1	1	2	−	8	0	2	III	**2** : 2
A2(D)	0	1	0	−9	7	1	2	+	13	0	4	I_2^*	**2** : 1
B1(F)	0	1	0	3	−5	0	2	−	14	0	2	III*	**2** : 2
B2(E)	0	1	0	−2	−2	0	2	+	7	0	1	II	**2** : 1
C1(A)	0	−1	0	1	−1	0	2	−	8	0	2	III	**2** : 2
C2(B)	0	−1	0	−9	−7	0	2	+	13	0	2	I_2^*	**2** : 1
D1(G)	0	−1	0	3	5	0	2	−	14	0	2	III*	**2** : 2
D2(H)	0	−1	0	−2	2	0	2	+	7	0	1	II	**2** : 1

129 $N = 129 = 3 \cdot 43$ (2 isogeny classes) 129

A1(E)	0	−1	1	−19	39	1	1	−	4, 1	4, 1	2, 1	I_4,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
129					$N = 129 = 3 \cdot 43$ (continued)								**129**
B1(B)	1	0	1	−30	−29	0	4	+	6, 2	6, 2	6, 2	I_6,I_2	**2** : 2, 3, 4
B2(A)	1	0	1	−25	−49	0	2	+	3, 1	3, 1	3, 1	I_3,I_1	**2** : 1
B3(C)	1	0	1	−245	1433	0	4	+	12, 1	12, 1	12, 1	I_{12},I_1	**2** : 1
B4(D)	1	0	1	105	−191	0	2	−	3, 4	3, 4	3, 2	I_3,I_4	**2** : 1
130					$N = 130 = 2 \cdot 5 \cdot 13$ (3 isogeny classes)								**130**
A1(E)	1	0	1	−33	68	1	6	+	4, 3, 1	4, 3, 1	2, 3, 1	I_4,I_3,I_1	**2** : 2; **3** : 3
A2(F)	1	0	1	−13	156	1	6	−	2, 6, 2	2, 6, 2	2, 6, 2	I_2,I_6,I_2	**2** : 1; **3** : 4
A3(G)	1	0	1	−208	−1122	1	2	+	12, 1, 3	12, 1, 3	2, 1, 3	I_{12},I_1,I_3	**2** : 4; **3** : 1
A4(H)	1	0	1	112	−4194	1	2	−	6, 2, 6	6, 2, 6	2, 2, 6	I_6,I_2,I_6	**2** : 3; **3** : 2
B1(A)	1	−1	1	−7	−1	0	4	+	8, 1, 1	8, 1, 1	8, 1, 1	I_8,I_1,I_1	**2** : 2
B2(B)	1	−1	1	−87	−289	0	4	+	4, 2, 2	4, 2, 2	4, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
B3(D)	1	−1	1	−1387	−19529	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
B4(C)	1	−1	1	−67	−441	0	4	−	2, 4, 4	2, 4, 4	2, 4, 4	I_2,I_4,I_4	**2** : 2
C1(J)	1	1	1	−841	−9737	0	2	+	8, 5, 1	8, 5, 1	8, 1, 1	I_8,I_5,I_1	**2** : 2
C2(I)	1	1	1	−761	−11561	0	2	−	4, 10, 2	4, 10, 2	4, 2, 2	I_4,I_{10},I_2	**2** : 1
131					$N = 131 = 131$ (1 isogeny class)								**131**
A1(A)	0	−1	1	1	0	1	1	−	1	1	1	I_1	
132					$N = 132 = 2^2 \cdot 3 \cdot 11$ (2 isogeny classes)								**132**
A1(A)	0	1	0	3	0	0	2	−	4, 2, 1	0, 2, 1	1, 2, 1	IV,I_2,I_1	**2** : 2
A2(B)	0	1	0	−12	−12	0	2	+	8, 1, 2	0, 1, 2	1, 1, 2	IV*,I_1,I_2	**2** : 1
B1(C)	0	−1	0	−77	330	0	2	−	4, 10, 1	0, 10, 1	1, 2, 1	IV,I_{10},I_1	**2** : 2
B2(D)	0	−1	0	−1292	18312	0	2	+	8, 5, 2	0, 5, 2	1, 1, 2	IV*,I_5,I_2	**2** : 1
135					$N = 135 = 3^3 \cdot 5$ (2 isogeny classes)								**135**
A1(A)	0	0	1	−3	4	1	1	−	5, 2	0, 2	3, 2	IV,I_2	
B1(B)	0	0	1	−27	−115	0	1	−	11, 2	0, 2	1, 2	II*,I_2	
136					$N = 136 = 2^3 \cdot 17$ (2 isogeny classes)								**136**
A1(A)	0	1	0	−4	0	1	2	+	8, 1	0, 1	4, 1	I_1^*,I_1	**2** : 2
A2(B)	0	1	0	16	16	1	2	−	10, 2	0, 2	2, 2	III*,I_2	**2** : 1
B1(C)	0	−1	0	−8	−4	0	2	+	10, 1	0, 1	2, 1	III*,I_1	**2** : 2
B2(D)	0	−1	0	−48	140	0	2	+	11, 2	0, 2	1, 2	II*,I_2	**2** : 1
138					$N = 138 = 2 \cdot 3 \cdot 23$ (3 isogeny classes)								**138**
A1(E)	1	1	0	−1	1	1	2	−	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
A2(F)	1	1	0	−31	55	1	2	+	1, 1, 2	1, 1, 2	1, 1, 2	I_1,I_1,I_2	**2** : 1
B1(G)	1	0	1	−36	82	0	6	−	4, 6, 1	4, 6, 1	2, 6, 1	I_4,I_6,I_1	**2** : 2; **3** : 3
B2(H)	1	0	1	−576	5266	0	6	+	2, 3, 2	2, 3, 2	2, 3, 2	I_2,I_3,I_2	**2** : 1; **3** : 4
B3(I)	1	0	1	189	190	0	2	−	12, 2, 3	12, 2, 3	2, 2, 1	I_{12},I_2,I_3	**2** : 4; **3** : 1
B4(J)	1	0	1	−771	1342	0	2	+	6, 1, 6	6, 1, 6	2, 1, 2	I_6,I_1,I_6	**2** : 3; **3** : 2
C1(A)	1	1	1	3	3	0	4	−	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	**2** : 2
C2(B)	1	1	1	−17	11	0	4	+	2, 4, 2	2, 4, 2	2, 2, 2	I_2,I_4,I_2	**2** : 1, 3, 4
C3(D)	1	1	1	−107	−457	0	2	+	1, 2, 4	1, 2, 4	1, 2, 2	I_1,I_2,I_4	**2** : 2
C4(C)	1	1	1	−247	1391	0	2	+	1, 8, 1	1, 8, 1	1, 2, 1	I_1,I_8,I_1	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
139				$N = 139 = 139$	(1 isogeny class)								**139**
A1(A)	1	1	0	−3	−4	0	1	−	1	1	1	I_1	
140				$N = 140 = 2^2 \cdot 5 \cdot 7$	(2 isogeny classes)								**140**
A1(A)	0	1	0	−5	−25	0	3	−	8, 3, 1	0, 3, 1	3, 3, 1	IV^*,I_3,I_1	**3** : 2
A2(B)	0	1	0	−805	−9065	0	1	−	8, 1, 3	0, 1, 3	1, 1, 3	IV^*,I_1,I_3	**3** : 1
B1(C)	0	0	0	32	212	0	1	−	8, 1, 5	0, 1, 5	1, 1, 1	IV^*,I_1,I_5	
141				$N = 141 = 3 \cdot 47$	(5 isogeny classes)								**141**
A1(E)	0	1	1	−12	2	1	1	+	7, 1	7, 1	7, 1	I_7,I_1	
B1(G)	1	1	1	−8	−16	0	2	−	6, 1	6, 1	2, 1	I_6,I_1	**2** : 2
B2(F)	1	1	1	−143	−718	0	2	+	3, 2	3, 2	1, 2	I_3,I_2	**2** : 1
C1(A)	1	0	0	−2	3	0	4	−	4, 1	4, 1	4, 1	I_4,I_1	**2** : 2
C2(B)	1	0	0	−47	120	0	4	+	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1, 3, 4
C3(C)	1	0	0	−62	33	0	2	+	1, 4	1, 4	1, 2	I_1,I_4	**2** : 2
C4(D)	1	0	0	−752	7875	0	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
D1(I)	0	−1	1	−1	0	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
E1(H)	0	1	1	−26	−61	0	1	+	1, 1	1, 1	1, 1	I_1,I_1	
142				$N = 142 = 2 \cdot 71$	(5 isogeny classes)								**142**
A1(F)	1	−1	1	−12	15	1	1	+	9, 1	9, 1	9, 1	I_9,I_1	
B1(E)	1	1	0	−1	−1	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
C1(A)	1	−1	0	−1	−3	0	2	−	6, 1	6, 1	2, 1	I_6,I_1	**2** : 2
C2(B)	1	−1	0	−41	−91	0	2	+	3, 2	3, 2	1, 2	I_3,I_2	**2** : 1
D1(C)	1	0	0	−8	8	0	3	+	3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
D2(D)	1	0	0	−58	−170	0	1	+	1, 3	1, 3	1, 1	I_1,I_3	**3** : 1
E1(G)	1	−1	0	−2626	52244	0	1	+	27, 1	27, 1	1, 1	I_{27},I_1	
143				$N = 143 = 11 \cdot 13$	(1 isogeny class)								**143**
A1(A)	0	−1	1	−1	−2	1	1	−	1, 2	1, 2	1, 2	I_1,I_2	
144				$N = 144 = 2^4 \cdot 3^2$	(2 isogeny classes)								**144**
A1(A)	0	0	0	0	−1	0	2	−	4, 3	0, 0	1, 2	II,III	**2** : 2; **3** : 3
A2(B)	0	0	0	−15	−22	0	2	+	8, 3	0, 0	1, 2	I_0^*,III	**2** : 1; **3** : 4
A3(C)	0	0	0	0	27	0	2	−	4, 9	0, 0	1, 2	II,III^*	**2** : 4; **3** : 1
A4(D)	0	0	0	−135	594	0	2	+	8, 9	0, 0	1, 2	I_0^*,III^*	**2** : 3; **3** : 2
B1(E)	0	0	0	6	7	0	2	−	4, 7	0, 1	1, 2	II,I_1^*	**2** : 2
B2(F)	0	0	0	−39	70	0	4	+	8, 8	0, 2	2, 4	I_0^*,I_2^*	**2** : 1, 3, 4
B3(G)	0	0	0	−219	−1190	0	4	+	10, 10	0, 4	4, 4	I_2^*,I_4^*	**2** : 2, 5, 6
B4(H)	0	0	0	−579	5362	0	4	+	10, 7	0, 1	2, 4	I_2^*,I_1^*	**2** : 2
B5(J)	0	0	0	−3459	−78302	0	2	+	11, 8	0, 2	4, 2	I_3^*,I_2^*	**2** : 3
B6(I)	0	0	0	141	−4718	0	2	−	11, 14	0, 8	2, 4	I_3^*,I_8^*	**2** : 3
145				$N = 145 = 5 \cdot 29$	(1 isogeny class)								**145**
A1(A)	1	−1	1	−3	2	1	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
A2(B)	1	−1	1	2	6	1	2	−	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1

	a_1 a_2 a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
147	$N = 147 = 3 \cdot 7^2$ (3 isogeny classes)									**147**
A1(C)	1 1 1	48	48	0	4	− 2, 7	2, 1	2, 4	I_2,I_1^*	**2** : 2
A2(D)	1 1 1	−197	146	0	4	+ 4, 8	4, 2	2, 4	I_4,I_2^*	**2** : 1, 3, 4
A3(E)	1 1 1	−1912	−32782	0	2	+ 8, 7	8, 1	2, 2	I_8,I_1^*	**2** : 2
A4(F)	1 1 1	−2402	44246	0	4	+ 2, 10	2, 4	2, 4	I_2,I_4^*	**2** : 2, 5, 6
A5(H)	1 1 1	−38417	2882228	0	2	+ 1, 8	1, 2	1, 2	I_1,I_2^*	**2** : 4
A6(G)	1 1 1	−1667	72764	0	2	− 1, 14	1, 8	1, 4	I_1,I_8^*	**2** : 4
B1(I)	0 1 1	−114	473	0	1	− 1, 8	1, 0	1, 1	I_1,IV*	**13** : 2
B2(J)	0 1 1	−44704	−3655907	0	1	− 13, 8	13, 0	13, 1	I_{13},IV*	**13** : 1
C1(A)	0 −1 1	−2	−1	0	1	− 1, 2	1, 0	1, 1	I_1,II	**13** : 2
C2(B)	0 −1 1	−912	10919	0	1	− 13, 2	13, 0	1, 1	I_{13},II	**13** : 1
148	$N = 148 = 2^2 \cdot 37$ (1 isogeny class)									**148**
A1(A)	0 −1 0	−5	1	1	1	+ 8, 1	0, 1	3, 1	IV*,I_1	
150	$N = 150 = 2 \cdot 3 \cdot 5^2$ (3 isogeny classes)									**150**
A1(A)	1 0 0	−3	−3	0	2	− 2, 1, 3	2, 1, 0	2, 1, 2	I_2,I_1,III	**2** : 2; **5** : 3
A2(B)	1 0 0	−53	−153	0	2	+ 1, 2, 3	1, 2, 0	1, 2, 2	I_1,I_2,III	**2** : 1; **5** : 4
A3(C)	1 0 0	−28	272	0	10	− 10, 5, 3	10, 5, 0	10, 5, 2	I_{10},I_5,III	**2** : 4; **5** : 1
A4(D)	1 0 0	−828	9072	0	10	+ 5, 10, 3	5, 10, 0	5, 10, 2	I_5,I_{10},III	**2** : 3; **5** : 2
B1(G)	1 1 0	−75	−375	0	2	− 2, 1, 9	2, 1, 0	2, 1, 2	I_2,I_1,III*	**2** : 2; **5** : 3
B2(H)	1 1 0	−1325	−19125	0	2	+ 1, 2, 9	1, 2, 0	1, 2, 2	I_1,I_2,III*	**2** : 1; **5** : 4
B3(E)	1 1 0	−700	34000	0	2	− 10, 5, 9	10, 5, 0	2, 1, 2	I_{10},I_5,III*	**2** : 4; **5** : 1
B4(F)	1 1 0	−20700	1134000	0	2	+ 5, 10, 9	5, 10, 0	1, 2, 2	I_5,I_{10},III*	**2** : 3; **5** : 2
C1(I)	1 1 1	37	281	0	4	− 4, 3, 7	4, 3, 1	4, 1, 4	I_4,I_3,I_1^*	**2** : 2; **3** : 3
C2(J)	1 1 1	−463	3281	0	4	+ 2, 6, 8	2, 6, 2	2, 2, 4	I_2,I_6,I_2^*	**2** : 1, 4, 5; **3** : 6
C3(K)	1 1 1	−338	−7969	0	4	− 12, 1, 9	12, 1, 3	12, 1, 4	I_{12},I_1,I_3^*	**2** : 6; **3** : 1
C4(L)	1 1 1	−1713	−24219	0	2	+ 1, 12, 7	1, 12, 1	1, 2, 4	I_1,I_{12},I_1^*	**2** : 2; **3** : 7
C5(M)	1 1 1	−7213	232781	0	2	+ 1, 3, 10	1, 3, 4	1, 1, 4	I_1,I_3,I_4^*	**2** : 2; **3** : 8
C6(N)	1 1 1	−8338	−295969	0	4	+ 6, 2, 12	6, 2, 6	6, 2, 4	I_6,I_2,I_6^*	**2** : 3, 7, 8; **3** : 2
C7(O)	1 1 1	−133338	−18795969	0	2	+ 3, 4, 9	3, 4, 3	3, 2, 4	I_3,I_4,I_3^*	**2** : 6; **3** : 4
C8(P)	1 1 1	−11338	−67969	0	2	+ 3, 1, 18	3, 1, 12	3, 1, 4	I_3,I_1,I_{12}^*	**2** : 6; **3** : 5
152	$N = 152 = 2^3 \cdot 19$ (2 isogeny classes)									**152**
A1(A)	0 1 0	−1	3	1	1	− 8, 1	0, 1	4, 1	I_1^*,I_1	
B1(B)	0 1 0	−8	−16	0	1	− 11, 1	0, 1	1, 1	II*,I_1	
153	$N = 153 = 3^2 \cdot 17$ (4 isogeny classes)									**153**
A1(C)	0 0 1	−3	2	1	1	− 3, 1	0, 1	2, 1	III,I_1	
B1(A)	0 0 1	6	27	1	1	− 9, 1	3, 1	4, 1	I_3^*,I_1	**3** : 2
B2(B)	0 0 1	−534	4752	1	3	− 7, 3	1, 3	4, 3	I_1^*,I_3	**3** : 1
C1(E)	1 −1 0	−6	−1	0	2	+ 6, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
C2(F)	1 −1 0	−51	152	0	4	+ 6, 2	0, 2	4, 2	I_0^*,I_2	**2** : 1, 3, 4
C3(H)	1 −1 0	−816	9179	0	2	+ 6, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
C4(G)	1 −1 0	−6	377	0	2	− 6, 4	0, 4	2, 2	I_0^*,I_4	**2** : 2
D1(D)	0 0 1	−27	−61	0	1	− 9, 1	0, 1	2, 1	III*,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
154				$N = 154 = 2 \cdot 7 \cdot 11$	(3 isogeny classes)								**154**
A1(C)	1	−1	0	−29	69	1	2	−	6, 1, 2	6, 1, 2	2, 1, 2	I_6,I_1,I_2	**2** : 2
A2(D)	1	−1	0	−469	4029	1	2	+	3, 2, 1	3, 2, 1	1, 2, 1	I_3,I_2,I_1	**2** : 1
B1(E)	1	−1	1	−4	−89	0	4	−	12, 1, 2	12, 1, 2	12, 1, 2	I_{12},I_1,I_2	**2** : 2
B2(F)	1	−1	1	−324	−2137	0	4	+	6, 2, 4	6, 2, 4	6, 2, 2	I_6,I_2,I_4	**2** : 1, 3, 4
B3(G)	1	−1	1	−5164	−141529	0	2	+	3, 4, 2	3, 4, 2	3, 2, 2	I_3,I_4,I_2	**2** : 2
B4(H)	1	−1	1	−604	2343	0	2	+	3, 1, 8	3, 1, 8	3, 1, 2	I_3,I_1,I_8	**2** : 2
C1(A)	1	1	0	−14	−28	0	2	−	4, 1, 2	4, 1, 2	2, 1, 2	I_4,I_1,I_2	**2** : 2
C2(B)	1	1	0	−234	−1480	0	2	+	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 1
155				$N = 155 = 5 \cdot 31$	(3 isogeny classes)								**155**
A1(D)	0	−1	1	10	6	1	5	−	5, 1	5, 1	5, 1	I_5,I_1	**5** : 2
A2(E)	0	−1	1	−840	−9114	1	1	−	1, 5	1, 5	1, 5	I_1,I_5	**5** : 1
B1(A)	1	1	1	−1	−2	0	2	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
B2(B)	1	1	1	−26	−62	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
C1(C)	0	−1	1	−1	1	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	
156				$N = 156 = 2^2 \cdot 3 \cdot 13$	(2 isogeny classes)								**156**
A1(E)	0	−1	0	−5	6	1	2	+	4, 2, 1	0, 2, 1	3, 2, 1	IV,I_2,I_1	**2** : 2
A2(F)	0	−1	0	−20	−24	1	2	+	8, 1, 2	0, 1, 2	3, 1, 2	IV*,I_1,I_2	**2** : 1
B1(A)	0	1	0	−13	−4	0	6	+	4, 6, 1	0, 6, 1	3, 6, 1	IV,I_6,I_1	**2** : 2; **3** : 3
B2(B)	0	1	0	−148	644	0	6	+	8, 3, 2	0, 3, 2	3, 3, 2	IV*,I_3,I_2	**2** : 1; **3** : 4
B3(C)	0	1	0	−733	−7888	0	2	+	4, 2, 3	0, 2, 3	1, 2, 3	IV,I_2,I_3	**2** : 4; **3** : 1
B4(D)	0	1	0	−748	−7564	0	2	+	8, 1, 6	0, 1, 6	1, 1, 6	IV*,I_1,I_6	**2** : 3; **3** : 2
158				$N = 158 = 2 \cdot 79$	(5 isogeny classes)								**158**
A1(E)	1	−1	1	−9	9	1	1	+	8, 1	8, 1	8, 1	I_8,I_1	
B1(D)	1	1	0	−3	1	1	1	+	2, 1	2, 1	2, 1	I_2,I_1	
C1(H)	1	1	1	−420	3109	0	5	+	20, 1	20, 1	20, 1	I_{20},I_1	**5** : 2
C2(I)	1	1	1	−23380	−1385691	0	1	+	4, 5	4, 5	4, 1	I_4,I_5	**5** : 1
D1(B)	1	0	1	−82	−92	0	3	+	6, 3	6, 3	2, 3	I_6,I_3	**3** : 2, 3
D2(C)	1	0	1	−5217	−145452	0	1	+	18, 1	18, 1	2, 1	I_{18},I_1	**3** : 1
D3(A)	1	0	1	−47	118	0	3	+	2, 1	2, 1	2, 1	I_2,I_1	**3** : 1
E1(F)	1	1	1	1	1	0	2	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
E2(G)	1	1	1	−9	5	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
160				$N = 160 = 2^5 \cdot 5$	(2 isogeny classes)								**160**
A1(D)	0	1	0	−6	4	1	2	+	6, 1	0, 1	2, 1	III,I_1	**2** : 2
A2(C)	0	1	0	−1	15	1	2	−	12, 2	0, 2	4, 2	I_3^*,I_2	**2** : 1
B1(A)	0	−1	0	−6	−4	0	2	+	6, 1	0, 1	2, 1	III,I_1	**2** : 2
B2(B)	0	−1	0	−1	−15	0	2	−	12, 2	0, 2	2, 2	I_3^*,I_2	**2** : 1
161				$N = 161 = 7 \cdot 23$	(1 isogeny class)								**161**
A1(B)	1	−1	1	−9	8	0	4	+	2, 2	2, 2	2, 2	I_2,I_2	**2** : 2, 3, 4
A2(A)	1	−1	1	−4	−2	0	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 1
A3(C)	1	−1	1	−124	560	0	4	+	4, 1	4, 1	4, 1	I_4,I_1	**2** : 1
A4(D)	1	−1	1	26	36	0	2	−	1, 4	1, 4	1, 2	I_1,I_4	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

162 $N = 162 = 2 \cdot 3^4$ (4 isogeny classes) 162

A1(K)	1	−1	0	−6	8	1	3	−	2, 6	2, 0	2, 3	I_2,IV	**3** : 2
A2(L)	1	−1	0	39	−19	1	1	−	6, 10	6, 0	2, 3	I_6,IV^*	**3** : 1
B1(G)	1	−1	1	−5	5	0	3	−	3, 4	3, 0	3, 1	I_3,II	**3** : 2; **7** : 3
B2(H)	1	−1	1	25	1	0	1	−	1, 12	1, 0	1, 1	I_1,II^*	**3** : 1; **7** : 4
B3(I)	1	−1	1	−95	−697	0	3	−	21, 4	21, 0	21, 1	I_{21},II	**3** : 4; **7** : 1
B4(J)	1	−1	1	−9695	−364985	0	1	−	7, 12	7, 0	7, 1	I_7,II^*	**3** : 3; **7** : 2
C1(A)	1	−1	0	3	−1	0	3	−	1, 6	1, 0	1, 3	I_1,IV	**3** : 2; **7** : 3
C2(B)	1	−1	0	−42	−100	0	1	−	3, 10	3, 0	1, 1	I_3,IV^*	**3** : 1; **7** : 4
C3(D)	1	−1	0	−1077	13877	0	3	−	7, 6	7, 0	1, 3	I_7,IV	**3** : 4; **7** : 1
C4(C)	1	−1	0	−852	19664	0	1	−	21, 10	21, 0	1, 1	I_{21},IV^*	**3** : 3; **7** : 2
D1(E)	1	−1	1	4	−1	0	3	−	6, 4	6, 0	6, 1	I_6,II	**3** : 2
D2(F)	1	−1	1	−56	−161	0	1	−	2, 12	2, 0	2, 1	I_2,II^*	**3** : 1

163 $N = 163 = 163$ (1 isogeny class) 163

A1(A)	0	0	1	−2	1	1	1	−	1	1	1	I_1	

166 $N = 166 = 2 \cdot 83$ (1 isogeny class) 166

A1(A)	1	1	0	−6	4	1	1	−	4, 1	4, 1	2, 1	I_4,I_1	

168 $N = 168 = 2^3 \cdot 3 \cdot 7$ (2 isogeny classes) 168

A1(B)	0	1	0	−7	−10	0	2	+	4, 1, 1	0, 1, 1	2, 1, 1	III,I_1,I_1	**2** : 2
A2(A)	0	1	0	−12	0	0	4	+	8, 2, 2	0, 2, 2	2, 2, 2	I_1^*,I_2,I_2	**2** : 1, 3, 4
A3(C)	0	1	0	−152	672	0	4	+	10, 4, 1	0, 4, 1	2, 4, 1	III^*,I_4,I_1	**2** : 2
A4(D)	0	1	0	48	48	0	2	−	10, 1, 4	0, 1, 4	2, 1, 2	III^*,I_1,I_4	**2** : 2
B1(E)	0	−1	0	−7	52	0	4	−	4, 3, 4	0, 3, 4	2, 1, 4	III,I_3,I_4	**2** : 2
B2(F)	0	−1	0	−252	1620	0	4	+	8, 6, 2	0, 6, 2	2, 2, 2	I_1^*,I_6,I_2	**2** : 1, 3, 4
B3(G)	0	−1	0	−392	−228	0	2	+	10, 12, 1	0, 12, 1	2, 2, 1	III^*,I_{12},I_1	**2** : 2
B4(H)	0	−1	0	−4032	99900	0	2	+	10, 3, 1	0, 3, 1	2, 1, 1	III^*,I_3,I_1	**2** : 2

170 $N = 170 = 2 \cdot 5 \cdot 17$ (5 isogeny classes) 170

A1(A)	1	0	1	−8	6	1	2	+	4, 2, 1	4, 2, 1	2, 2, 1	I_4,I_2,I_1	**2** : 2
A2(B)	1	0	1	12	38	1	2	−	2, 4, 2	2, 4, 2	2, 4, 2	I_2,I_4,I_2	**2** : 1
B1(H)	1	0	1	−2554	49452	0	6	+	8, 2, 3	8, 2, 3	2, 2, 3	I_8,I_2,I_3	**2** : 2; **3** : 3
B2(I)	1	0	1	−2474	52716	0	6	−	4, 4, 6	4, 4, 6	2, 2, 6	I_4,I_4,I_6	**2** : 1; **3** : 4
B3(J)	1	0	1	−4169	−20724	0	2	+	24, 6, 1	24, 6, 1	2, 2, 1	I_{24},I_6,I_1	**2** : 4; **3** : 1
B4(K)	1	0	1	16311	−159988	0	2	−	12, 12, 2	12, 12, 2	2, 2, 2	I_{12},I_{12},I_2	**2** : 3; **3** : 2
C1(F)	1	0	0	399	−919	0	3	−	21, 3, 1	21, 3, 1	21, 1, 1	I_{21},I_3,I_1	**3** : 2
C2(G)	1	0	0	−6641	−215575	0	1	−	7, 9, 3	7, 9, 3	7, 1, 1	I_7,I_9,I_3	**3** : 1
D1(D)	1	0	1	−3	6	0	3	−	3, 3, 1	3, 3, 1	1, 3, 1	I_3,I_3,I_1	**3** : 2
D2(E)	1	0	1	22	−164	0	1	−	9, 1, 3	9, 1, 3	1, 1, 1	I_9,I_1,I_3	**3** : 1
E1(C)	1	−1	0	−10	−10	0	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
171				$N = 171 = 3^2 \cdot 19$				(4 isogeny classes)					**171**
A1(D)	1	−1	1	−14	20	0	4	+	7, 1	1, 1	4, 1	I_1^*,I_1	**2** : 2
A2(E)	1	−1	1	−59	−142	0	4	+	8, 2	2, 2	4, 2	I_2^*,I_2	**2** : 1, 3, 4
A3(F)	1	−1	1	−914	−10402	0	2	+	10, 1	4, 1	4, 1	I_4^*,I_1	**2** : 2
A4(G)	1	−1	1	76	−790	0	2	−	7, 4	1, 4	2, 2	I_1^*,I_4	**2** : 2
B1(A)	0	0	1	6	0	1	1	−	6, 1	0, 1	2, 1	I_0^*,I_1	**3** : 2
B2(B)	0	0	1	−84	315	1	3	−	6, 3	0, 3	2, 3	I_0^*,I_3	**3** : 1, 3
B3(C)	0	0	1	−6924	221760	1	3	−	6, 1	0, 1	2, 1	I_0^*,I_1	**3** : 2
C1(I)	0	0	1	177	1035	0	1	−	16, 1	10, 1	2, 1	I_{10}^*,I_1	**5** : 2
C2(J)	0	0	1	−39513	3023145	0	1	−	8, 5	2, 5	2, 1	I_2^*,I_5	**5** : 1
D1(H)	0	0	1	−21	−41	0	1	−	8, 1	2, 1	2, 1	I_2^*,I_1	
172				$N = 172 = 2^2 \cdot 43$				(1 isogeny class)					**172**
A1(A)	0	1	0	−13	15	1	3	−	8, 1	0, 1	3, 1	IV*,I_1	**3** : 2
A2(B)	0	1	0	67	79	1	1	−	8, 3	0, 3	1, 3	IV*,I_3	**3** : 1
174				$N = 174 = 2 \cdot 3 \cdot 29$				(5 isogeny classes)					**174**
A1(I)	1	0	1	−7705	1226492	0	3	−	11, 21, 1	11, 21, 1	1, 21, 1	I_{11},I_{21},I_1	**3** : 2
A2(J)	1	0	1	68840	−31810330	0	1	−	33, 7, 3	33, 7, 3	1, 7, 1	I_{33},I_7,I_3	**3** : 1
B1(G)	1	0	0	−1	137	0	7	−	7, 7, 1	7, 7, 1	7, 7, 1	I_7,I_7,I_1	**7** : 2
B2(H)	1	0	0	−6511	−203353	0	1	−	1, 1, 7	1, 1, 7	1, 1, 7	I_1,I_1,I_7	**7** : 1
C1(F)	1	1	1	−5	−7	0	1	−	1, 3, 1	1, 3, 1	1, 1, 1	I_1,I_3,I_1	
D1(A)	1	0	1	0	−2	0	2	−	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
D2(B)	1	0	1	−20	−34	0	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
D3(C)	1	0	1	−310	−2122	0	2	+	1, 4, 1	1, 4, 1	1, 4, 1	I_1,I_4,I_1	**2** : 2
D4(D)	1	0	1	−50	86	0	2	+	1, 1, 4	1, 1, 4	1, 1, 2	I_1,I_1,I_4	**2** : 2
E1(E)	1	1	0	−56	−192	0	1	−	13, 1, 1	13, 1, 1	1, 1, 1	I_{13},I_1,I_1	
175				$N = 175 = 5^2 \cdot 7$				(3 isogeny classes)					**175**
A1(B)	0	−1	1	2	−2	1	1	−	3, 1	0, 1	2, 1	III,I_1	**5** : 2
A2(A)	0	−1	1	−148	748	1	5	−	3, 5	0, 5	2, 5	III,I_5	**5** : 1
B1(C)	0	−1	1	−33	93	1	1	−	7, 1	1, 1	4, 1	I_1^*,I_1	**3** : 2
B2(D)	0	−1	1	217	−282	1	1	−	9, 3	3, 3	4, 1	I_3^*,I_3	**3** : 1, 3
B3(E)	0	−1	1	−3283	−74657	1	1	−	15, 1	9, 1	4, 1	I_9^*,I_1	**3** : 2
C1(F)	0	1	1	42	−131	0	1	−	9, 1	0, 1	2, 1	III*,I_1	**5** : 2
C2(G)	0	1	1	−3708	86119	0	1	−	9, 5	0, 5	2, 1	III*,I_5	**5** : 1
176				$N = 176 = 2^4 \cdot 11$				(3 isogeny classes)					**176**
A1(C)	0	0	0	−4	−4	0	1	−	8, 1	0, 1	1, 1	I_0^*,I_1	
B1(D)	0	1	0	−5	−13	0	1	−	12, 1	0, 1	1, 1	II*,I_1	**5** : 2
B2(E)	0	1	0	−165	1427	0	1	−	12, 5	0, 5	1, 1	II*,I_5	**5** : 1, 3
B3(F)	0	1	0	−125125	16994227	0	1	−	12, 1	0, 1	1, 1	II*,I_1	**5** : 2
C1(A)	0	−1	0	3	1	1	1	−	8, 1	0, 1	2, 1	I_0^*,I_1	**3** : 2
C2(B)	0	−1	0	−77	289	1	1	−	8, 3	0, 3	2, 3	I_0^*,I_3	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
178				$N = 178 = 2 \cdot 89$ (2 isogeny classes)								**178**
A1(A)	1	0	0	6	−28	0	3	− 12, 1	12, 1	12, 1	I_{12},I_1	**3** : 2
A2(B)	1	0	0	−554	−5068	0	1	− 4, 3	4, 3	4, 1	I_4,I_3	**3** : 1
B1(C)	1	1	0	−44	80	0	2	+ 14, 1	14, 1	2, 1	I_{14},I_1	**2** : 2
B2(D)	1	1	0	−684	6608	0	2	+ 7, 2	7, 2	1, 2	I_7,I_2	**2** : 1
179				$N = 179 = 179$ (1 isogeny class)								**179**
A1(A)	0	0	1	−1	−1	0	1	− 1	1	1	I_1	
180				$N = 180 = 2^2 \cdot 3^2 \cdot 5$ (1 isogeny class)								**180**
A1(A)	0	0	0	−12	−11	0	2	+ 4, 6, 1	0, 0, 1	1, 2, 1	IV,I_0^*,I_1	**2** : 2; **3** : 3
A2(B)	0	0	0	33	−74	0	2	− 8, 6, 2	0, 0, 2	1, 2, 2	IV*,I_0^*,I_2	**2** : 1; **3** : 4
A3(C)	0	0	0	−372	2761	0	6	+ 4, 6, 3	0, 0, 3	3, 2, 3	IV,I_0^*,I_3	**2** : 4; **3** : 1
A4(D)	0	0	0	−327	3454	0	6	− 8, 6, 6	0, 0, 6	3, 2, 6	IV*,I_0^*,I_6	**2** : 3; **3** : 2
182				$N = 182 = 2 \cdot 7 \cdot 13$ (5 isogeny classes)								**182**
A1(E)	1	−1	1	866	6445	0	4	− 20, 3, 2	20, 3, 2	20, 1, 2	I_{20},I_3,I_2	**2** : 2
A2(F)	1	−1	1	−4254	59693	0	4	+ 10, 6, 4	10, 6, 4	10, 2, 2	I_{10},I_6,I_4	**2** : 1, 3, 4
A3(G)	1	−1	1	−31294	−2081875	0	2	+ 5, 12, 2	5, 12, 2	5, 2, 2	I_5,I_{12},I_2	**2** : 2
A4(H)	1	−1	1	−59134	5547693	0	2	+ 5, 3, 8	5, 3, 8	5, 1, 2	I_5,I_3,I_8	**2** : 2
B1(A)	1	0	0	7	−7	0	3	− 9, 1, 1	9, 1, 1	9, 1, 1	I_9,I_1,I_1	**3** : 2
B2(B)	1	0	0	−193	−1055	0	3	− 3, 3, 3	3, 3, 3	3, 3, 3	I_3,I_3,I_3	**3** : 1, 3
B3(C)	1	0	0	−15663	−755809	0	1	− 1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**3** : 2
C1(J)	1	0	1	−4609	120244	0	1	− 11, 7, 1	11, 7, 1	1, 1, 1	I_{11},I_7,I_1	
D1(D)	1	−1	1	3	−5	0	1	− 1, 3, 1	1, 3, 1	1, 1, 1	I_1,I_3,I_1	
E1(I)	1	−1	0	−22	884	0	1	− 7, 1, 5	7, 1, 5	1, 1, 1	I_7,I_1,I_5	
184				$N = 184 = 2^3 \cdot 23$ (4 isogeny classes)								**184**
A1(C)	0	−1	0	0	1	1	1	− 4, 1	0, 1	2, 1	III,I_1	
B1(B)	0	−1	0	−4	5	1	1	− 4, 1	0, 1	2, 1	III,I_1	
C1(D)	0	0	0	5	6	0	2	− 10, 1	0, 1	2, 1	III*,I_1	**2** : 2
C2(E)	0	0	0	−35	62	0	2	+ 11, 2	0, 2	1, 2	II*,I_2	**2** : 1
D1(A)	0	0	0	−55	−157	0	1	− 4, 1	0, 1	2, 1	III,I_1	
185				$N = 185 = 5 \cdot 37$ (3 isogeny classes)								**185**
A1(D)	0	1	1	−156	700	1	1	+ 4, 1	4, 1	2, 1	I_4,I_1	
B1(A)	0	−1	1	−5	6	1	1	+ 2, 1	2, 1	2, 1	I_2,I_1	
C1(B)	1	0	1	−4	−3	1	2	+ 1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
C2(C)	1	0	1	1	−9	1	2	− 2, 2	2, 2	2, 2	I_2,I_2	**2** : 1
186				$N = 186 = 2 \cdot 3 \cdot 31$ (3 isogeny classes)								**186**
A1(D)	1	1	0	−83	−369	0	1	− 1, 11, 1	1, 11, 1	1, 1, 1	I_1,I_{11},I_1	
B1(B)	1	0	0	15	9	0	5	− 5, 5, 1	5, 5, 1	5, 5, 1	I_5,I_5,I_1	**5** : 2
B2(C)	1	0	0	−1395	−20181	0	1	− 1, 1, 5	1, 1, 5	1, 1, 5	I_1,I_1,I_5	**5** : 1
C1(A)	1	0	1	−17	−28	0	1	− 7, 1, 1	7, 1, 1	1, 1, 1	I_7,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

187 $N = 187 = 11 \cdot 17$ (2 isogeny classes) 187

A1(A)	0	1	1	11	30	0	3	−	3, 2	3, 2	3, 2	I_3,I_2	**3** : 2
A2(B)	0	1	1	−99	−905	0	1	−	1, 6	1, 6	1, 2	I_1,I_6	**3** : 1
B1(C)	0	0	1	7	1	0	1	−	3, 1	3, 1	1, 1	I_3,I_1	

189 $N = 189 = 3^3 \cdot 7$ (4 isogeny classes) 189

A1(A)	0	0	1	−3	0	1	1	+	5, 1	0, 1	3, 1	IV,I_1	
B1(C)	0	0	1	−24	45	1	3	+	3, 1	0, 1	1, 1	II,I_1	**3** : 2
B2(D)	0	0	1	−54	−88	1	3	+	9, 3	0, 3	3, 3	IV^*,I_3	**3** : 1, 3
B3(E)	0	0	1	−3834	−91375	1	1	+	11, 1	0, 1	1, 1	II^*,I_1	**3** : 2
C1(F)	0	0	1	−6	3	0	3	+	3, 3	0, 3	1, 3	II,I_3	**3** : 2, 3
C2(G)	0	0	1	−216	−1222	0	1	+	9, 1	0, 1	1, 1	IV^*,I_1	**3** : 1
C3(H)	0	0	1	−426	3384	0	3	+	5, 1	0, 1	3, 1	IV,I_1	**3** : 1
D1(B)	0	0	1	−27	−7	0	1	+	11, 1	0, 1	1, 1	II^*,I_1	

190 $N = 190 = 2 \cdot 5 \cdot 19$ (3 isogeny classes) 190

A1(D)	1	−1	1	−48	147	1	1	−	11, 2, 1	11, 2, 1	11, 2, 1	I_{11},I_2,I_1	
B1(C)	1	1	0	2	2	1	1	−	1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	
C1(A)	1	0	0	−30	−100	0	3	−	3, 6, 1	3, 6, 1	3, 6, 1	I_3,I_6,I_1	**3** : 2
C2(B)	1	0	0	−2780	−56650	0	1	−	1, 2, 3	1, 2, 3	1, 2, 3	I_1,I_2,I_3	**3** : 1

192 $N = 192 = 2^6 \cdot 3$ (4 isogeny classes) 192

A1(Q)	0	−1	0	−4	−2	1	2	+	6, 1	0, 1	1, 1	II,I_1	**2** : 2
A2(R)	0	−1	0	−9	9	1	4	+	12, 2	0, 2	4, 2	I_2^*,I_2	**2** : 1, 3, 4
A3(T)	0	−1	0	−129	609	1	4	+	15, 1	0, 1	4, 1	I_5^*,I_1	**2** : 2
A4(S)	0	−1	0	31	33	1	2	−	15, 4	0, 4	4, 2	I_5^*,I_4	**2** : 2
B1(A)	0	1	0	−4	2	0	2	+	6, 1	0, 1	1, 1	II,I_1	**2** : 2
B2(B)	0	1	0	−9	−9	0	4	+	12, 2	0, 2	4, 2	I_2^*,I_2	**2** : 1, 3, 4
B3(D)	0	1	0	−129	−609	0	2	+	15, 1	0, 1	4, 1	I_5^*,I_1	**2** : 2
B4(C)	0	1	0	31	−33	0	4	−	15, 4	0, 4	4, 4	I_5^*,I_4	**2** : 2
C1(K)	0	1	0	3	3	0	2	−	10, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
C2(L)	0	1	0	−17	15	0	4	+	14, 2	0, 2	4, 2	I_4^*,I_2	**2** : 1, 3, 4
C3(M)	0	1	0	−97	−385	0	4	+	16, 4	0, 4	4, 4	I_6^*,I_4	**2** : 2, 5, 6
C4(N)	0	1	0	−257	1503	0	2	+	16, 1	0, 1	2, 1	I_6^*,I_1	**2** : 2
C5(P)	0	1	0	−1537	−23713	0	2	+	17, 2	0, 2	4, 2	I_7^*,I_2	**2** : 3
C6(O)	0	1	0	63	−1377	0	4	−	17, 8	0, 8	4, 8	I_7^*,I_8	**2** : 3
D1(E)	0	−1	0	3	−3	0	2	−	10, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
D2(F)	0	−1	0	−17	−15	0	4	+	14, 2	0, 2	4, 2	I_4^*,I_2	**2** : 1, 3, 4
D3(H)	0	−1	0	−257	−1503	0	2	+	16, 1	0, 1	4, 1	I_6^*,I_1	**2** : 2
D4(G)	0	−1	0	−97	385	0	4	+	16, 4	0, 4	4, 2	I_6^*,I_4	**2** : 2, 5, 6
D5(J)	0	−1	0	−1537	23713	0	4	+	17, 2	0, 2	4, 2	I_7^*,I_2	**2** : 4
D6(I)	0	−1	0	63	1377	0	2	−	17, 8	0, 8	2, 2	I_7^*,I_8	**2** : 4

194 $N = 194 = 2 \cdot 97$ (1 isogeny class) 194

A1(A)	1	−1	1	−3	−1	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2(B)	1	−1	1	−13	19	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
195				$N = 195 = 3 \cdot 5 \cdot 13$	(4 isogeny classes)								**195**
A1(A)	1	0	0	−110	435	0	4	+	4, 1, 1	4, 1, 1	4, 1, 1	I_4,I_1,I_1	**2** : 2
A2(B)	1	0	0	−115	392	0	8	+	8, 2, 2	8, 2, 2	8, 2, 2	I_8,I_2,I_2	**2** : 1, 3, 4
A3(D)	1	0	0	−520	−4225	0	8	+	4, 4, 4	4, 4, 4	4, 4, 4	I_4,I_4,I_4	**2** : 2, 5, 6
A4(C)	1	0	0	210	2277	0	4	−	16, 1, 1	16, 1, 1	16, 1, 1	I_{16},I_1,I_1	**2** : 2
A5(E)	1	0	0	−8125	−282568	0	4	+	2, 8, 2	2, 8, 2	2, 8, 2	I_2,I_8,I_2	**2** : 3, 7, 8
A6(F)	1	0	0	605	−19750	0	4	−	2, 2, 8	2, 2, 8	2, 2, 8	I_2,I_2,I_8	**2** : 3
A7(H)	1	0	0	−130000	−18051943	0	2	+	1, 4, 1	1, 4, 1	1, 4, 1	I_1,I_4,I_1	**2** : 5
A8(G)	1	0	0	−7930	−296725	0	2	−	1, 16, 1	1, 16, 1	1, 16, 1	I_1,I_{16},I_1	**2** : 5
B1(I)	0	1	1	0	−1	0	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
C1(K)	0	1	1	−66	−349	0	1	−	3, 7, 1	3, 7, 1	3, 1, 1	I_3,I_7,I_1	
D1(J)	0	−1	1	−190	1101	0	1	−	7, 1, 3	7, 1, 3	1, 1, 1	I_7,I_1,I_3	
196				$N = 196 = 2^2 \cdot 7^2$	(2 isogeny classes)								**196**
A1(A)	0	−1	0	−2	1	1	1	+	4, 2	0, 0	3, 1	IV,II	**3** : 2
A2(B)	0	−1	0	−142	701	1	1	+	4, 2	0, 0	1, 1	IV,II	**3** : 1
B1(C)	0	1	0	−114	−127	0	3	+	4, 8	0, 0	3, 3	IV,IV*	**3** : 2
B2(D)	0	1	0	−6974	−226507	0	1	+	4, 8	0, 0	1, 3	IV,IV*	**3** : 1
197				$N = 197 = 197$	(1 isogeny class)								**197**
A1(A)	0	0	1	−5	4	1	1	+	1	1	1	I_1	
198				$N = 198 = 2 \cdot 3^2 \cdot 11$	(5 isogeny classes)								**198**
A1(I)	1	−1	0	−18	4	1	2	+	4, 7, 1	4, 1, 1	2, 4, 1	I_4,I_1^*,I_1	**2** : 2
A2(J)	1	−1	0	−198	1120	1	4	+	2, 8, 2	2, 2, 2	2, 4, 2	I_2,I_2^*,I_2	**2** : 1, 3, 4
A3(L)	1	−1	0	−3168	69430	1	2	+	1, 7, 1	1, 1, 1	1, 2, 1	I_1,I_1^*,I_1	**2** : 2
A4(K)	1	−1	0	−108	2074	1	2	−	1, 10, 4	1, 4, 4	1, 4, 4	I_1,I_4^*,I_4	**2** : 2
B1(E)	1	−1	1	−50	−115	0	2	+	2, 9, 1	2, 3, 1	2, 2, 1	I_2,I_3^*,I_1	**2** : 2; **3** : 3
B2(F)	1	−1	1	40	−547	0	2	−	1, 12, 2	1, 6, 2	1, 4, 2	I_1,I_6^*,I_2	**2** : 1; **3** : 4
B3(G)	1	−1	1	−725	7661	0	6	+	6, 7, 3	6, 1, 3	6, 2, 3	I_6,I_1^*,I_3	**2** : 4; **3** : 1
B4(H)	1	−1	1	−365	15005	0	6	−	3, 8, 6	3, 2, 6	3, 4, 6	I_3,I_2^*,I_6	**2** : 3; **3** : 2
C1(M)	1	−1	1	−65	209	0	6	+	12, 3, 1	12, 0, 1	12, 2, 1	I_{12},III,I_1	**2** : 2; **3** : 3
C2(N)	1	−1	1	−1025	12881	0	6	+	6, 3, 2	6, 0, 2	6, 2, 2	I_6,III,I_2	**2** : 1; **3** : 4
C3(O)	1	−1	1	−785	−8207	0	2	+	4, 9, 3	4, 0, 3	4, 2, 1	I_4,III*,I_3	**2** : 4; **3** : 1
C4(P)	1	−1	1	−1325	4969	0	2	+	2, 9, 6	2, 0, 6	2, 2, 2	I_2,III*,I_6	**2** : 3; **3** : 2
D1(A)	1	−1	0	−87	333	0	6	+	4, 3, 3	4, 0, 3	2, 2, 3	I_4,III,I_3	**2** : 2; **3** : 3
D2(B)	1	−1	0	−147	−135	0	6	+	2, 3, 6	2, 0, 6	2, 2, 6	I_2,III,I_6	**2** : 1; **3** : 4
D3(C)	1	−1	0	−582	−5068	0	2	+	12, 9, 1	12, 0, 1	2, 2, 1	I_{12},III*,I_1	**2** : 4; **3** : 1
D4(D)	1	−1	0	−9222	−338572	0	2	+	6, 9, 2	6, 0, 2	2, 2, 2	I_6,III*,I_2	**2** : 3; **3** : 2
E1(Q)	1	−1	0	−405	−2187	0	2	+	10, 11, 1	10, 5, 1	2, 2, 1	I_{10},I_5^*,I_1	**2** : 2; **5** : 3
E2(R)	1	−1	0	1035	−15147	0	2	−	5, 16, 2	5, 10, 2	1, 4, 2	I_5,I_{10}^*,I_2	**2** : 1; **5** : 4
E3(S)	1	−1	0	−90585	10516473	0	2	+	2, 7, 5	2, 1, 5	2, 2, 1	I_2,I_1^*,I_5	**2** : 4; **5** : 1
E4(T)	1	−1	0	−90495	10538343	0	2	−	1, 8, 10	1, 2, 10	1, 4, 2	I_1,I_2^*,I_{10}	**2** : 3; **5** : 2
200				$N = 200 = 2^3 \cdot 5^2$	(5 isogeny classes)								**200**
A1(B)	0	0	0	125	−1250	0	1	−	11, 8	0, 0	1, 1	II*,IV*	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
200				$N = 200 = 2^3 \cdot 5^2$ (continued)									**200**
B1(C)	0	1	0	−3	−2	1	2	+	4, 3	0, 0	2, 2	III,III	**2** : 2
B2(D)	0	1	0	−28	48	1	2	+	8, 3	0, 0	4, 2	I_1^*,III	**2** : 1
C1(G)	0	0	0	−50	125	0	4	+	4, 7	0, 1	2, 4	III,I_1^*	**2** : 2
C2(H)	0	0	0	−175	−750	0	4	+	8, 8	0, 2	4, 4	I_1^*,I_2^*	**2** : 1, 3, 4
C3(J)	0	0	0	−2675	−53250	0	2	+	10, 7	0, 1	2, 4	III*,I_1^*	**2** : 2
C4(I)	0	0	0	325	−4250	0	2	−	10, 10	0, 4	2, 4	III*,I_4^*	**2** : 2
D1(E)	0	−1	0	−83	−88	0	2	+	4, 9	0, 0	2, 2	III,III*	**2** : 2
D2(F)	0	−1	0	−708	7412	0	2	+	8, 9	0, 0	2, 2	I_1^*,III*	**2** : 1
E1(A)	0	0	0	5	−10	0	1	−	11, 2	0, 0	1, 1	II*,II	
201				$N = 201 = 3 \cdot 67$ (3 isogeny classes)									**201**
A1	0	−1	1	2	0	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
B1	1	0	0	−1	2	1	1	−	3, 1	3, 1	3, 1	I_3,I_1	
C1	1	1	0	−794	8289	1	1	−	5, 1	5, 1	1, 1	I_5,I_1	
202				$N = 202 = 2 \cdot 101$ (1 isogeny class)									**202**
A1	1	−1	0	4	−176	0	1	−	17, 1	17, 1	1, 1	I_{17},I_1	
203				$N = 203 = 7 \cdot 29$ (3 isogeny classes)									**203**
A1	0	−1	1	20	−8	0	5	−	5, 1	5, 1	5, 1	I_5,I_1	**5** : 2
A2	0	−1	1	−2150	−37668	0	1	−	1, 5	1, 5	1, 1	I_1,I_5	**5** : 1
B1	1	1	1	0	−2	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
C1	1	1	0	−9	8	0	2	−	1, 2	1, 2	1, 2	I_1,I_2	**2** : 2
C2	1	1	0	−154	675	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 1
204				$N = 204 = 2^2 \cdot 3 \cdot 17$ (2 isogeny classes)									**204**
A1	0	−1	0	−1621	−24623	0	1	−	8, 11, 1	0, 11, 1	3, 1, 1	IV*,I_{11},I_1	
B1	0	1	0	−5	−9	0	1	−	8, 1, 1	0, 1, 1	1, 1, 1	IV*,I_1,I_1	
205				$N = 205 = 5 \cdot 41$ (3 isogeny classes)									**205**
A1	1	−1	1	−22	44	1	4	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1	−1	1	−27	26	1	4	+	4, 2	4, 2	4, 2	I_4,I_2	**2** : 1, 3, 4
A3	1	−1	1	−232	−1286	1	2	+	8, 1	8, 1	8, 1	I_8,I_1	**2** : 2
A4	1	−1	1	98	126	1	4	−	2, 4	2, 4	2, 4	I_2,I_4	**2** : 2
B1	1	1	1	−21	−46	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
B2	1	1	1	−16	−62	0	2	−	4, 2	4, 2	2, 2	I_4,I_2	**2** : 1
C1	1	1	0	−2	−1	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
C2	1	1	0	−27	44	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
206				$N = 206 = 2 \cdot 103$ (1 isogeny class)									**206**
A1	1	1	0	2	0	0	2	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1	1	0	−8	−10	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
207				$N = 207 = 3^2 \cdot 23$ (1 isogeny class)									**207**
A1	1	−1	1	−5	20	1	2	−	8, 1	2, 1	4, 1	I_2^*,I_1	**2** : 2
A2	1	−1	1	−140	668	1	2	+	7, 2	1, 2	4, 2	I_1^*,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

208 $N = 208 = 2^4 \cdot 13$ (4 isogeny classes) 208

A1	0	−1	0	8	−16	1	1	−	13, 1	1, 1	4, 1	I_5^*,I_1	**3** : 2
A2	0	−1	0	−72	496	1	1	−	15, 3	3, 3	4, 3	I_7^*,I_3	**3** : 1, 3
A3	0	−1	0	−7352	245104	1	1	−	21, 1	9, 1	4, 1	I_{13}^*,I_1	**3** : 2
B1	0	−1	0	−16	32	1	1	−	11, 1	0, 1	4, 1	I_3^*,I_1	
C1	0	0	0	1	10	0	2	−	8, 2	0, 2	1, 2	I_0^*,I_2	**2** : 2
C2	0	0	0	−4	3	0	2	+	4, 1	0, 1	1, 1	II,I_1	**2** : 1
D1	0	0	0	−43	−166	0	1	−	19, 1	7, 1	2, 1	I_{11}^*,I_1	**7** : 2
D2	0	0	0	−3403	83834	0	1	−	13, 7	1, 7	2, 1	I_5^*,I_7	**7** : 1

209 $N = 209 = 11 \cdot 19$ (1 isogeny class) 209

A1	0	1	1	−27	55	1	3	−	3, 2	3, 2	3, 2	I_3,I_2	**3** : 2
A2	0	1	1	193	−308	1	1	−	1, 6	1, 6	1, 6	I_1,I_6	**3** : 1

210 $N = 210 = 2 \cdot 3 \cdot 5 \cdot 7$ (5 isogeny classes) 210

A1	1	0	0	−41	−39	0	6	+	12, 3, 1, 1	12, 3, 1, 1	12, 3, 1, 1	I_{12},I_3,I_1,I_1	**2** : 2; **3** : 3
A2	1	0	0	−361	2585	0	12	+	6, 6, 2, 2	6, 6, 2, 2	6, 6, 2, 2	I_6,I_6,I_2,I_2	**2** : 1, 4, 5; **3** : 6
A3	1	0	0	−2681	−53655	0	2	+	4, 1, 3, 3	4, 1, 3, 3	4, 1, 1, 3	I_4,I_1,I_3,I_3	**2** : 6; **3** : 1
A4	1	0	0	−5761	167825	0	6	+	3, 3, 1, 4	3, 3, 1, 4	3, 3, 1, 4	I_3,I_3,I_1,I_4	**2** : 2; **3** : 7
A5	1	0	0	−81	6561	0	6	−	3, 12, 4, 1	3, 12, 4, 1	3, 12, 2, 1	I_3,I_{12},I_4,I_1	**2** : 2; **3** : 8
A6	1	0	0	−2701	−52819	0	4	+	2, 2, 6, 6	2, 2, 6, 6	2, 2, 2, 6	I_2,I_2,I_6,I_6	**2** : 3, 7, 8; **3** : 2
A7	1	0	0	−6451	124931	0	2	+	1, 1, 3, 12	1, 1, 3, 12	1, 1, 1, 12	I_1,I_1,I_3,I_{12}	**2** : 6; **3** : 4
A8	1	0	0	729	−176985	0	2	−	1, 4, 12, 3	1, 4, 12, 3	1, 4, 2, 3	I_1,I_4,I_{12},I_3	**2** : 6; **3** : 5
B1	1	0	1	−498	4228	0	6	+	8, 3, 3, 1	8, 3, 3, 1	2, 3, 3, 1	I_8,I_3,I_3,I_1	**2** : 2; **3** : 3
B2	1	0	1	−578	2756	0	12	+	4, 6, 6, 2	4, 6, 6, 2	2, 6, 6, 2	I_4,I_6,I_6,I_2	**2** : 1, 4, 5; **3** : 6
B3	1	0	1	−1473	−16652	0	2	+	24, 1, 1, 3	24, 1, 1, 3	2, 1, 1, 3	I_{24},I_1,I_1,I_3	**2** : 6; **3** : 1
B4	1	0	1	−4358	−109132	0	6	+	2, 3, 12, 1	2, 3, 12, 1	2, 3, 12, 1	I_2,I_3,I_{12},I_1	**2** : 2; **3** : 7
B5	1	0	1	1922	20756	0	12	−	2, 12, 3, 4	2, 12, 3, 4	2, 12, 3, 4	I_2,I_{12},I_3,I_4	**2** : 2; **3** : 8
B6	1	0	1	−21953	−1253644	0	4	+	12, 2, 2, 6	12, 2, 2, 6	2, 2, 2, 6	I_{12},I_2,I_2,I_6	**2** : 3, 7, 8; **3** : 2
B7	1	0	1	−351233	−80149132	0	2	+	6, 1, 4, 3	6, 1, 4, 3	2, 1, 4, 3	I_6,I_1,I_4,I_3	**2** : 6; **3** : 4
B8	1	0	1	−20353	−1443724	0	4	−	6, 4, 1, 12	6, 4, 1, 12	2, 4, 1, 12	I_6,I_4,I_1,I_{12}	**2** : 6; **3** : 5
C1	1	1	1	10	−13	0	4	−	8, 1, 1, 2	8, 1, 1, 2	8, 1, 1, 2	I_8,I_1,I_1,I_2	**2** : 2
C2	1	1	1	−70	−205	0	8	+	4, 2, 2, 4	4, 2, 2, 4	4, 2, 2, 4	I_4,I_2,I_2,I_4	**2** : 1, 3, 4
C3	1	1	1	−1050	−13533	0	4	+	2, 4, 4, 2	2, 4, 4, 2	2, 2, 4, 2	I_2,I_4,I_4,I_2	**2** : 2, 5, 6
C4	1	1	1	−370	2435	0	4	+	2, 1, 1, 8	2, 1, 1, 8	2, 1, 1, 8	I_2,I_1,I_1,I_8	**2** : 2
C5	1	1	1	−16800	−845133	0	2	+	1, 2, 2, 1	1, 2, 2, 1	1, 2, 2, 1	I_1,I_2,I_2,I_1	**2** : 3
C6	1	1	1	−980	−15325	0	2	−	1, 8, 8, 1	1, 8, 8, 1	1, 2, 8, 1	I_1,I_8,I_8,I_1	**2** : 3
D1	1	1	0	−3	−3	1	2	+	4, 1, 1, 1	4, 1, 1, 1	2, 1, 1, 1	I_4,I_1,I_1,I_1	**2** : 2
D2	1	1	0	−23	33	1	4	+	2, 2, 2, 2	2, 2, 2, 2	2, 2, 2, 2	I_2,I_2,I_2,I_2	**2** : 1, 3, 4
D3	1	1	0	−373	2623	1	2	+	1, 4, 1, 1	1, 4, 1, 1	1, 2, 1, 1	I_1,I_4,I_1,I_1	**2** : 2
D4	1	1	0	7	147	1	2	−	1, 1, 4, 4	1, 1, 4, 4	1, 1, 2, 2	I_1,I_1,I_4,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
210				$N = 210 = 2 \cdot 3 \cdot 5 \cdot 7$ (continued)									**210**
E1	1	0	0	210	900	0	8	$-$	16, 4, 2, 1	16, 4, 2, 1	16, 4, 2, 1	I_{16},I_4,I_2,I_1	**2** : 2
E2	1	0	0	−1070	7812	0	16	+	8, 8, 4, 2	8, 8, 4, 2	8, 8, 4, 2	I_8,I_8,I_4,I_2	**2** : 1, 3, 4
E3	1	0	0	−7550	−247500	0	8	+	4, 4, 8, 4	4, 4, 8, 4	4, 4, 8, 2	I_4,I_4,I_8,I_4	**2** : 2, 5, 6
E4	1	0	0	−15070	710612	0	8	+	4, 16, 2, 1	4, 16, 2, 1	4, 16, 2, 1	I_4,I_{16},I_2,I_1	**2** : 2
E5	1	0	0	−120050	−16020000	0	4	+	2, 2, 4, 8	2, 2, 4, 8	2, 2, 4, 2	I_2,I_2,I_4,I_8	**2** : 3, 7, 8
E6	1	0	0	1270	−789048	0	4	$-$	2, 2, 16, 2	2, 2, 16, 2	2, 2, 16, 2	I_2,I_2,I_{16},I_2	**2** : 3
E7	1	0	0	−1920800	−1024800150	0	2	+	1, 1, 2, 4	1, 1, 2, 4	1, 1, 2, 2	I_1,I_1,I_2,I_4	**2** : 5
E8	1	0	0	−119300	−16229850	0	2	$-$	1, 1, 2, 16	1, 1, 2, 16	1, 1, 2, 2	I_1,I_1,I_2,I_{16}	**2** : 5
212				$N = 212 = 2^2 \cdot 53$ (2 isogeny classes)									**212**
A1	0	−1	0	−4	8	1	1	$-$	8, 1	0, 1	3, 1	IV*,I_1	
B1	0	−1	0	−12	−40	0	2	$-$	8, 2	0, 2	3, 2	IV*,I_2	**2** : 2
B2	0	−1	0	−17	−22	0	2	+	4, 1	0, 1	3, 1	IV,I_1	**2** : 1
213				$N = 213 = 3 \cdot 71$ (1 isogeny class)									**213**
A1	1	0	1	0	1	0	2	$-$	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1	0	1	−15	19	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
214				$N = 214 = 2 \cdot 107$ (4 isogeny classes)									**214**
A1	1	0	0	−12	16	1	1	$-$	7, 1	7, 1	7, 1	I_7,I_1	
B1	1	0	1	1	0	1	1	$-$	1, 1	1, 1	1, 1	I_1,I_1	
C1	1	0	1	−193	1012	1	1	$-$	10, 1	10, 1	2, 1	I_{10},I_1	
D1	1	0	0	2	4	0	3	$-$	6, 1	6, 1	6, 1	I_6,I_1	**3** : 2
D2	1	0	0	−18	−112	0	1	$-$	2, 3	2, 3	2, 1	I_2,I_3	**3** : 1
215				$N = 215 = 5 \cdot 43$ (1 isogeny class)									**215**
A1	0	0	1	−8	−12	1	1	$-$	4, 1	4, 1	2, 1	I_4,I_1	
216				$N = 216 = 2^3 \cdot 3^3$ (4 isogeny classes)									**216**
A1	0	0	0	−12	20	1	1	$-$	8, 5	0, 0	4, 3	I_1^*,IV	
B1	0	0	0	−3	−34	0	1	$-$	11, 5	0, 0	1, 1	II*,IV	
C1	0	0	0	−27	918	0	1	$-$	11, 11	0, 0	1, 1	II*,II*	
D1	0	0	0	−108	−540	0	1	$-$	8, 11	0, 0	2, 1	I_1^*,II*	
218				$N = 218 = 2 \cdot 109$ (1 isogeny class)									**218**
A1	1	0	0	−2	4	1	3	$-$	6, 1	6, 1	6, 1	I_6,I_1	**3** : 2
A2	1	0	0	18	−104	1	1	$-$	2, 3	2, 3	2, 3	I_2,I_3	**3** : 1
219				$N = 219 = 3 \cdot 73$ (3 isogeny classes)									**219**
A1	0	−1	1	−6	8	1	1	$-$	1, 1	1, 1	1, 1	I_1,I_1	
B1	0	1	1	3	2	1	3	$-$	3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
B2	0	1	1	−27	−85	1	1	$-$	1, 3	1, 3	1, 3	I_1,I_3	**3** : 1
C1	1	1	0	−82	−305	1	2	+	10, 1	10, 1	2, 1	I_{10},I_1	**2** : 2
C2	1	1	0	−1297	−18530	1	2	+	5, 2	5, 2	1, 2	I_5,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

220 $N = 220 = 2^2 \cdot 5 \cdot 11$ (2 isogeny classes) 220

A1	0	1	0	−45	100	1	6	+	4, 3, 2	0, 3, 2	3, 3, 2	IV,I$_3$,I$_2$	**2** : 2; **3** : 3
A2	0	1	0	−100	−252	1	6	+	8, 6, 1	0, 6, 1	3, 6, 1	IV*,I$_6$,I$_1$	**2** : 1; **3** : 4
A3	0	1	0	−445	−3720	1	2	+	4, 1, 6	0, 1, 6	1, 1, 2	IV,I$_1$,I$_6$	**2** : 4; **3** : 1
A4	0	1	0	−7100	−232652	1	2	+	8, 2, 3	0, 2, 3	1, 2, 1	IV*,I$_2$,I$_3$	**2** : 3; **3** : 2
B1	0	−1	0	−5	2	0	2	+	4, 1, 2	0, 1, 2	1, 1, 2	IV,I$_1$,I$_2$	**2** : 2
B2	0	−1	0	−60	200	0	2	+	8, 2, 1	0, 2, 1	1, 2, 1	IV*,I$_2$,I$_1$	**2** : 1

221 $N = 221 = 13 \cdot 17$ (2 isogeny classes) 221

A1	1	−1	1	−733	7804	0	2	+	6, 1	6, 1	2, 1	I$_6$,I$_1$	**2** : 2
A2	1	−1	1	−11718	491144	0	2	+	3, 2	3, 2	1, 2	I$_3$,I$_2$	**2** : 1
B1	1	1	0	−59	152	0	2	+	2, 1	2, 1	2, 1	I$_2$,I$_1$	**2** : 2
B2	1	1	0	−54	185	0	2	−	4, 2	4, 2	2, 2	I$_4$,I$_2$	**2** : 1

222 $N = 222 = 2 \cdot 3 \cdot 37$ (5 isogeny classes) 222

A1	1	0	0	2	−4	0	3	−	3, 3, 1	3, 3, 1	3, 3, 1	I$_3$,I$_3$,I$_1$	**3** : 2
A2	1	0	0	−148	−706	0	1	−	1, 1, 3	1, 1, 3	1, 1, 3	I$_1$,I$_1$,I$_3$	**3** : 1
B1	1	1	1	17	179	0	1	−	1, 11, 1	1, 11, 1	1, 1, 1	I$_1$,I$_{11}$,I$_1$	
C1	1	1	0	16	0	0	2	−	8, 3, 1	8, 3, 1	2, 1, 1	I$_8$,I$_3$,I$_1$	**2** : 2
C2	1	1	0	−64	−80	0	4	+	4, 6, 2	4, 6, 2	2, 2, 2	I$_4$,I$_6$,I$_2$	**2** : 1, 3, 4
C3	1	1	0	−804	−9108	0	2	+	2, 12, 1	2, 12, 1	2, 2, 1	I$_2$,I$_{12}$,I$_1$	**2** : 2
C4	1	1	0	−604	5428	0	4	+	2, 3, 4	2, 3, 4	2, 1, 4	I$_2$,I$_3$,I$_4$	**2** : 2
D1	1	0	1	1	−46	0	1	−	13, 1, 1	13, 1, 1	1, 1, 1	I$_{13}$,I$_1$,I$_1$	
E1	1	1	0	−182317	29887645	0	1	−	23, 9, 1	23, 9, 1	1, 1, 1	I$_{23}$,I$_9$,I$_1$	

224 $N = 224 = 2^5 \cdot 7$ (2 isogeny classes) 224

A1	0	1	0	2	0	1	2	−	6, 1	0, 1	2, 1	III,I$_1$	**2** : 2
A2	0	1	0	−8	−8	1	2	+	9, 2	0, 2	2, 2	I$_0^*$,I$_2$	**2** : 1
B1	0	−1	0	2	0	0	2	−	6, 1	0, 1	2, 1	III,I$_1$	**2** : 2
B2	0	−1	0	−8	8	0	2	+	9, 2	0, 2	1, 2	I$_0^*$,I$_2$	**2** : 1

225 $N = 225 = 3^2 \cdot 5^2$ (5 isogeny classes) 225

A1	0	0	1	0	1	1	1	−	3, 2	0, 0	2, 1	III,II	**3** : 2
A2	0	0	1	0	−34	1	1	−	9, 2	0, 0	2, 1	III*,II	**3** : 1
B1	0	0	1	0	156	0	3	−	3, 8	0, 0	2, 3	III,IV*	**3** : 2
B2	0	0	1	0	−4219	0	1	−	9, 8	0, 0	2, 1	III*,IV*	**3** : 1
C1	1	−1	1	−5	−628	0	4	−	7, 7	1, 1	4, 4	I$_1^*$,I$_1^*$	**2** : 2
C2	1	−1	1	−1130	−14128	0	4	+	8, 8	2, 2	4, 4	I$_2^*$,I$_2^*$	**2** : 1, 3, 4
C3	1	−1	1	−18005	−925378	0	2	+	7, 7	1, 1	2, 4	I$_1^*$,I$_1^*$	**2** : 2
C4	1	−1	1	−2255	19622	0	4	+	10, 10	4, 4	4, 4	I$_4^*$,I$_4^*$	**2** : 2, 5, 6
C5	1	−1	1	−30380	2044622	0	4	+	14, 8	8, 2	4, 4	I$_8^*$,I$_2^*$	**2** : 4, 7, 8
C6	1	−1	1	7870	141122	0	2	−	8, 14	2, 8	2, 4	I$_2^*$,I$_8^*$	**2** : 4
C7	1	−1	1	−486005	130530872	0	2	+	10, 7	4, 1	2, 2	I$_4^*$,I$_1^*$	**2** : 5
C8	1	−1	1	−24755	2820872	0	2	−	22, 7	16, 1	4, 2	I$_{16}^*$,I$_1^*$	**2** : 5
D1	0	0	1	15	−99	0	1	−	11, 2	5, 0	2, 1	I$_5^*$,II	**5** : 2
D2	0	0	1	−1875	32031	0	1	−	7, 10	1, 0	2, 1	I$_1^*$,II*	**5** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

225 $N = 225 = 3^2 \cdot 5^2$ (continued) 225

E1	0	0	1	−75	256	1	1	−	7, 4	1, 0	4, 3	I_1^*,IV	**5** : 2
E2	0	0	1	375	−12344	1	1	−	11, 8	5, 0	4, 3	I_5^*,IV*	**5** : 1

226 $N = 226 = 2 \cdot 113$ (1 isogeny class) 226

A1	1	0	0	−5	1	1	2	+	6, 1	6, 1	6, 1	I_6,I_1	**2** : 2
A2	1	0	0	−45	−119	1	2	+	3, 2	3, 2	3, 2	I_3,I_2	**2** : 1

228 $N = 228 = 2^2 \cdot 3 \cdot 19$ (2 isogeny classes) 228

A1	0	−1	0	3	18	0	2	−	4, 3, 2	0, 3, 2	1, 1, 2	IV,I_3,I_2	**2** : 2
A2	0	−1	0	−92	360	0	2	+	8, 6, 1	0, 6, 1	1, 2, 1	IV*,I_6,I_1	**2** : 1
B1	0	−1	0	3	9	1	1	−	8, 2, 1	0, 2, 1	3, 2, 1	IV*,I_2,I_1	

229 $N = 229 = 229$ (1 isogeny class) 229

A1	1	0	0	−2	−1	1	1	+	1	1	1	I_1	

231 $N = 231 = 3 \cdot 7 \cdot 11$ (1 isogeny class) 231

A1	1	1	1	−34	62	0	4	+	1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	**2** : 2
A2	1	1	1	−39	36	0	8	+	2, 4, 2	2, 4, 2	2, 4, 2	I_2,I_4,I_2	**2** : 1, 3, 4
A3	1	1	1	−284	−1924	0	4	+	4, 2, 4	4, 2, 4	2, 2, 2	I_4,I_2,I_4	**2** : 2, 5, 6
A4	1	1	1	126	432	0	4	−	1, 8, 1	1, 8, 1	1, 8, 1	I_1,I_8,I_1	**2** : 2
A5	1	1	1	−4519	−118810	0	2	+	8, 1, 2	8, 1, 2	2, 1, 2	I_8,I_1,I_2	**2** : 3
A6	1	1	1	31	−5578	0	2	−	2, 1, 8	2, 1, 8	2, 1, 2	I_2,I_1,I_8	**2** : 3

232 $N = 232 = 2^3 \cdot 29$ (2 isogeny classes) 232

A1	0	−1	0	8	−4	1	1	−	10, 1	0, 1	2, 1	III*,I_1	
B1	0	1	0	−80	−304	0	1	−	10, 1	0, 1	2, 1	III*,I_1	

233 $N = 233 = 233$ (1 isogeny class) 233

A1	1	0	1	0	11	0	2	−	2	2	2	I_2	**2** : 2
A2	1	0	1	−5	3	0	2	+	1	1	1	I_1	**2** : 1

234 $N = 234 = 2 \cdot 3^2 \cdot 13$ (5 isogeny classes) 234

A1	1	−1	0	−24	−64	0	1	−	7, 6, 1	7, 0, 1	1, 1, 1	I_7,I_0^*,I_1	**7** : 2
A2	1	−1	0	−1914	35846	0	1	−	1, 6, 7	1, 0, 7	1, 1, 1	I_1,I_0^*,I_7	**7** : 1
B1	1	−1	1	−29	−107	0	2	−	4, 9, 1	4, 0, 1	4, 2, 1	I_4,III*,I_1	**2** : 2
B2	1	−1	1	−569	−5075	0	2	+	2, 9, 2	2, 0, 2	2, 2, 2	I_2,III*,I_2	**2** : 1
C1	1	−1	0	−3	5	1	2	−	4, 3, 1	4, 0, 1	2, 2, 1	I_4,III,I_1	**2** : 2
C2	1	−1	0	−63	209	1	2	+	2, 3, 2	2, 0, 2	2, 2, 2	I_2,III,I_2	**2** : 1
D1	1	−1	1	−176	−18669	0	4	−	16, 11, 1	16, 5, 1	16, 4, 1	I_{16},I_5^*,I_1	**2** : 2
D2	1	−1	1	−11696	−479469	0	4	+	8, 16, 2	8, 10, 2	8, 4, 2	I_8,I_{10}^*,I_2	**2** : 1, 3, 4
D3	1	−1	1	−186656	−30992493	0	2	+	4, 11, 4	4, 5, 4	4, 2, 4	I_4,I_5^*,I_4	**2** : 2
D4	1	−1	1	−21056	404115	0	2	+	4, 26, 1	4, 20, 1	4, 4, 1	I_4,I_{20}^*,I_1	**2** : 2
E1	1	−1	1	4	−7	0	1	−	1, 6, 1	1, 0, 1	1, 1, 1	I_1,I_0^*,I_1	**3** : 2
E2	1	−1	1	−41	209	0	3	−	3, 6, 3	3, 0, 3	3, 1, 3	I_3,I_0^*,I_3	**3** : 1, 3
E3	1	−1	1	−4136	103403	0	3	−	9, 6, 1	9, 0, 1	9, 1, 1	I_9,I_0^*,I_1	**3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

235 $N = 235 = 5 \cdot 47$ (3 isogeny classes) 235

A1	1	1	1	−5	0	1	1	+	3, 1	3, 1	3, 1	I_3,I_1	
B1	1	1	1	−3551	−82926	0	1	+	9, 1	9, 1	1, 1	I_9,I_1	
C1	0	−1	1	4	1	0	1	−	3, 1	3, 1	1, 1	I_3,I_1	

236 $N = 236 = 2^2 \cdot 59$ (2 isogeny classes) 236

A1	0	−1	0	−1	2	1	1	−	4, 1	0, 1	3, 1	IV,I_1	
B1	0	1	0	−9	8	0	3	−	4, 1	0, 1	3, 1	IV,I_1	**3** : 2
B2	0	1	0	31	68	0	1	−	4, 3	0, 3	1, 1	IV,I_3	**3** : 1

238 $N = 238 = 2 \cdot 7 \cdot 17$ (5 isogeny classes) 238

A1	1	0	0	−60	16	1	2	+	14, 2, 1	14, 2, 1	14, 2, 1	I_{14},I_2,I_1	**2** : 2
A2	1	0	0	−700	7056	1	2	+	7, 4, 2	7, 4, 2	7, 4, 2	I_7,I_4,I_2	**2** : 1
B1	1	−1	0	2	0	1	2	−	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
B2	1	−1	0	−8	6	1	2	+	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
C1	1	−1	1	−19	35	0	4	+	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	**2** : 2
C2	1	−1	1	−39	−37	0	4	+	2, 4, 2	2, 4, 2	2, 4, 2	I_2,I_4,I_2	**2** : 1, 3, 4
C3	1	−1	1	−529	−4545	0	2	+	1, 2, 4	1, 2, 4	1, 2, 4	I_1,I_2,I_4	**2** : 2
C4	1	−1	1	131	−377	0	2	−	1, 8, 1	1, 8, 1	1, 8, 1	I_1,I_8,I_1	**2** : 2
D1	1	1	1	−18	−37	0	2	+	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
D2	1	1	1	−28	−5	0	2	+	1, 4, 2	1, 4, 2	1, 2, 2	I_1,I_4,I_2	**2** : 1
E1	1	1	0	32	0	0	2	−	10, 1, 2	10, 1, 2	2, 1, 2	I_{10},I_1,I_2	**2** : 2
E2	1	1	0	−128	−160	0	2	+	5, 2, 4	5, 2, 4	1, 2, 2	I_5,I_2,I_4	**2** : 1

240 $N = 240 = 2^4 \cdot 3 \cdot 5$ (4 isogeny classes) 240

A1	0	−1	0	−15	−18	0	2	+	4, 2, 1	0, 2, 1	1, 2, 1	II,I_2,I_1	**2** : 2
A2	0	−1	0	−20	0	0	4	+	8, 4, 2	0, 4, 2	2, 2, 2	I_0^*,I_4,I_2	**2** : 1, 3, 4
A3	0	−1	0	−200	1152	0	8	+	10, 2, 4	0, 2, 4	4, 2, 4	I_2^*,I_2,I_4	**2** : 2, 5, 6
A4	0	−1	0	80	−80	0	2	−	10, 8, 1	0, 8, 1	2, 2, 1	I_2^*,I_8,I_1	**2** : 2
A5	0	−1	0	−3200	70752	0	4	+	11, 1, 2	0, 1, 2	4, 1, 2	I_3^*,I_1,I_2	**2** : 3
A6	0	−1	0	−80	2400	0	4	−	11, 1, 8	0, 1, 8	2, 1, 8	I_3^*,I_1,I_8	**2** : 3
B1	0	−1	0	24	−144	0	2	−	16, 3, 1	4, 3, 1	4, 1, 1	I_8^*,I_3,I_1	**2** : 2; **3** : 3
B2	0	−1	0	−296	−1680	0	4	+	14, 6, 2	2, 6, 2	4, 2, 2	I_6^*,I_6,I_2	**2** : 1, 4, 5; **3** : 6
B3	0	−1	0	−216	4080	0	2	−	24, 1, 3	12, 1, 3	4, 1, 1	I_{16}^*,I_1,I_3	**2** : 6; **3** : 1
B4	0	−1	0	−4616	−119184	0	2	+	13, 3, 4	1, 3, 4	4, 1, 2	I_5^*,I_3,I_4	**2** : 2; **3** : 7
B5	0	−1	0	−1096	12400	0	2	+	13, 12, 1	1, 12, 1	2, 2, 1	I_5^*,I_{12},I_1	**2** : 2; **3** : 8
B6	0	−1	0	−5336	151536	0	4	+	18, 2, 6	6, 2, 6	4, 2, 2	I_{10}^*,I_2,I_6	**2** : 3, 7, 8; **3** : 2
B7	0	−1	0	−7256	34800	0	2	+	15, 1, 12	3, 1, 12	4, 1, 2	I_7^*,I_1,I_{12}	**2** : 6; **3** : 4
B8	0	−1	0	−85336	9623536	0	2	+	15, 4, 3	3, 4, 3	2, 2, 1	I_7^*,I_4,I_3	**2** : 6; **3** : 5
C1	0	−1	0	4	0	1	2	−	8, 1, 1	0, 1, 1	2, 1, 1	I_0^*,I_1,I_1	**2** : 2
C2	0	−1	0	−16	16	1	4	+	10, 2, 2	0, 2, 2	4, 2, 2	I_2^*,I_2,I_2	**2** : 1, 3, 4
C3	0	−1	0	−136	−560	1	2	+	11, 1, 4	0, 1, 4	2, 1, 2	I_3^*,I_1,I_4	**2** : 2
C4	0	−1	0	−216	1296	1	2	+	11, 4, 1	0, 4, 1	4, 2, 1	I_3^*,I_4,I_1	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
240					$N = 240 = 2^4 \cdot 3 \cdot 5$ (continued)								**240**
D1	0	1	0	0	−12	0	2	−	12, 1, 1	0, 1, 1	4, 1, 1	I_4^*,I_1,I_1	**2** : 2
D2	0	1	0	−80	−300	0	4	+	12, 2, 2	0, 2, 2	4, 2, 2	I_4^*,I_2,I_2	**2** : 1, 3, 4
D3	0	1	0	−1280	−18060	0	2	+	12, 1, 1	0, 1, 1	2, 1, 1	I_4^*,I_1,I_1	**2** : 2
D4	0	1	0	−160	308	0	8	+	12, 4, 4	0, 4, 4	4, 4, 4	I_4^*,I_4,I_4	**2** : 2, 5, 6
D5	0	1	0	−2160	37908	0	8	+	12, 8, 2	0, 8, 2	4, 8, 2	I_4^*,I_8,I_2	**2** : 4, 7, 8
D6	0	1	0	560	2900	0	4	−	12, 2, 8	0, 2, 8	2, 2, 8	I_4^*,I_2,I_8	**2** : 4
D7	0	1	0	−34560	2461428	0	4	+	12, 4, 1	0, 4, 1	4, 4, 1	I_4^*,I_4,I_1	**2** : 5
D8	0	1	0	−1760	52788	0	4	−	12, 16, 1	0, 16, 1	2, 16, 1	I_4^*,I_{16},I_1	**2** : 5
242					$N = 242 = 2 \cdot 11^2$ (2 isogeny classes)								**242**
A1	1	0	0	3	1	1	1	−	4, 2	4, 0	4, 1	I_4,II	**3** : 2
A2	1	0	0	−52	144	1	1	−	12, 2	12, 0	12, 1	I_{12},II	**3** : 1
B1	1	0	1	360	−970	0	3	−	4, 8	4, 0	2, 3	I_4,IV^*	**3** : 2
B2	1	0	1	−6295	−197958	0	1	−	12, 8	12, 0	2, 1	I_{12},IV^*	**3** : 1
243					$N = 243 = 3^5$ (2 isogeny classes)								**243**
A1	0	0	1	0	−1	1	1	−	5	0	1	II	**3** : 2
A2	0	0	1	0	20	1	3	−	11	0	3	IV^*	**3** : 1
B1	0	0	1	0	2	0	3	−	7	0	3	IV	**3** : 2
B2	0	0	1	0	−61	0	1	−	13	0	1	II^*	**3** : 1
244					$N = 244 = 2^2 \cdot 61$ (1 isogeny class)								**244**
A1	0	0	0	1	6	1	1	−	8, 1	0, 1	3, 1	IV^*,I_1	
245					$N = 245 = 5 \cdot 7^2$ (3 isogeny classes)								**245**
A1	0	0	1	−7	12	1	1	−	3, 3	3, 0	3, 2	I_3,III	
B1	0	0	1	−343	−4202	0	1	−	3, 9	3, 0	1, 2	I_3,III^*	
C1	0	−1	1	−65	−204	1	1	−	1, 7	1, 1	1, 4	I_1,I_1^*	**3** : 2
C2	0	−1	1	425	433	1	1	−	3, 9	3, 3	3, 4	I_3,I_3^*	**3** : 1, 3
C3	0	−1	1	−6435	210006	1	1	−	9, 7	9, 1	9, 4	I_9,I_1^*	**3** : 2
246					$N = 246 = 2 \cdot 3 \cdot 41$ (7 isogeny classes)								**246**
A1	1	1	1	−270	−1821	0	1	−	3, 7, 1	3, 7, 1	3, 1, 1	I_3,I_7,I_1	
B1	1	0	0	−175	−27847	0	5	−	25, 5, 1	25, 5, 1	25, 5, 1	I_{25},I_5,I_1	**5** : 2
B2	1	0	0	−579535	−169860007	0	1	−	5, 1, 5	5, 1, 5	5, 1, 5	I_5,I_1,I_5	**5** : 1
C1	1	0	1	−453897	−117739700	0	2	+	14, 12, 1	14, 12, 1	2, 12, 1	I_{14},I_{12},I_1	**2** : 2
C2	1	0	1	−453257	−118088116	0	2	−	7, 24, 2	7, 24, 2	1, 24, 2	I_7,I_{24},I_2	**2** : 1
D1	1	1	0	−66	180	1	2	+	6, 4, 1	6, 4, 1	2, 2, 1	I_6,I_4,I_1	**2** : 2
D2	1	1	0	−26	444	1	2	−	3, 8, 2	3, 8, 2	1, 2, 2	I_3,I_8,I_2	**2** : 1
E1	1	0	0	−9	9	0	4	+	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	**2** : 2
E2	1	0	0	−29	−51	0	4	+	2, 4, 2	2, 4, 2	2, 4, 2	I_2,I_4,I_2	**2** : 1, 3, 4
E3	1	0	0	−439	−3577	0	2	+	1, 8, 1	1, 8, 1	1, 8, 1	I_1,I_8,I_1	**2** : 2
E4	1	0	0	61	−285	0	2	−	1, 2, 4	1, 2, 4	1, 2, 4	I_1,I_2,I_4	**2** : 2
F1	1	0	1	−2	2	0	3	−	1, 3, 1	1, 3, 1	1, 3, 1	I_1,I_3,I_1	**3** : 2
F2	1	0	1	13	−58	0	1	−	3, 1, 3	3, 1, 3	1, 1, 1	I_3,I_1,I_3	**3** : 1
G1	1	1	0	−41	−123	0	1	−	11, 1, 1	11, 1, 1	1, 1, 1	I_{11},I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
248					$N = 248 = 2^3 \cdot 31$ (3 isogeny classes)								**248**
A1	0	1	0	0	1	1	1	$-$	4, 1	0, 1	2, 1	III,I_1	
B1	0	1	0	8	0	0	2	$-$	10, 1	0, 1	2, 1	III*,I_1	**2** : 2
B2	0	1	0	−32	−32	0	2	$+$	11, 2	0, 2	1, 2	II*,I_2	**2** : 1
C1	0	0	0	1	−1	1	1	$-$	4, 1	0, 1	2, 1	III,I_1	
249					$N = 249 = 3 \cdot 83$ (2 isogeny classes)								**249**
A1	1	1	1	−55	134	1	1	$-$	3, 1	3, 1	1, 1	I_3,I_1	
B1	1	1	0	2	1	1	1	$-$	1, 1	1, 1	1, 1	I_1,I_1	
252					$N = 252 = 2^2 \cdot 3^2 \cdot 7$ (2 isogeny classes)								**252**
A1	0	0	0	60	61	0	2	$-$	4, 9, 2	0, 3, 2	1, 2, 2	IV,I_3^*,I_2	**2** : 2; **3** : 3
A2	0	0	0	−255	502	0	2	$+$	8, 12, 1	0, 6, 1	1, 4, 1	IV*,I_6^*,I_1	**2** : 1; **3** : 4
A3	0	0	0	−1020	12913	0	6	$-$	4, 7, 6	0, 1, 6	3, 2, 6	IV,I_1^*,I_6	**2** : 4; **3** : 1
A4	0	0	0	−16455	812446	0	6	$+$	8, 8, 3	0, 2, 3	3, 4, 3	IV*,I_2^*,I_3	**2** : 3; **3** : 2
B1	0	0	0	−12	65	1	2	$-$	4, 7, 2	0, 1, 2	3, 4, 2	IV,I_1^*,I_2	**2** : 2
B2	0	0	0	−327	2270	1	2	$+$	8, 8, 1	0, 2, 1	3, 4, 1	IV*,I_2^*,I_1	**2** : 1
254					$N = 254 = 2 \cdot 127$ (4 isogeny classes)								**254**
A1	1	0	0	−22	36	1	3	$+$	9, 1	9, 1	9, 1	I_9,I_1	**3** : 2
A2	1	0	0	−302	−2036	1	3	$+$	3, 3	3, 3	3, 3	I_3,I_3	**3** : 1, 3
A3	1	0	0	−24432	−1471934	1	1	$+$	1, 1	1, 1	1, 1	I_1,I_1	**3** : 2
B1	1	0	0	2	0	0	2	$-$	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
B2	1	0	0	−8	−2	0	2	$+$	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
C1	1	−1	0	−5	−3	1	1	$+$	3, 1	3, 1	1, 1	I_3,I_1	
D1	1	−1	1	−19	51	0	4	$-$	12, 1	12, 1	12, 1	I_{12},I_1	**2** : 2
D2	1	−1	1	−339	2483	0	4	$+$	6, 2	6, 2	6, 2	I_6,I_2	**2** : 1, 3, 4
D3	1	−1	1	−379	1891	0	2	$+$	3, 4	3, 4	3, 2	I_3,I_4	**2** : 2
D4	1	−1	1	−5419	154883	0	2	$+$	3, 1	3, 1	3, 1	I_3,I_1	**2** : 2
256					$N = 256 = 2^8$ (4 isogeny classes)								**256**
A1	0	1	0	−3	1	1	2	$+$	9	0	2	III	**2** : 2
A2	0	1	0	−13	−21	1	2	$+$	15	0	2	III*	**2** : 1
B1	0	0	0	−2	0	1	2	$+$	9	0	2	III	**2** : 2
B2	0	0	0	8	0	1	2	$-$	15	0	2	III*	**2** : 1
C1	0	0	0	2	0	0	2	$-$	9	0	2	III	**2** : 2
C2	0	0	0	−8	0	0	2	$+$	15	0	2	III*	**2** : 1
D1	0	−1	0	−3	−1	0	2	$+$	9	0	2	III	**2** : 2
D2	0	−1	0	−13	21	0	2	$+$	15	0	2	III*	**2** : 1
258					$N = 258 = 2 \cdot 3 \cdot 43$ (7 isogeny classes)								**258**
A1	1	1	0	3	−3	1	1	$-$	6, 1, 1	6, 1, 1	2, 1, 1	I_6,I_1,I_1	
B1	1	1	0	−1916	31440	0	2	$+$	14, 7, 1	14, 7, 1	2, 1, 1	I_{14},I_7,I_1	**2** : 2
B2	1	1	0	−1276	53584	0	2	$-$	7, 14, 2	7, 14, 2	1, 2, 2	I_7,I_{14},I_2	**2** : 1
C1	1	0	1	−15	22	1	1	$-$	2, 5, 1	2, 5, 1	2, 5, 1	I_2,I_5,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

258 $N = 258 = 2 \cdot 3 \cdot 43$ (continued) 258

D1	1	1	1	−24	−39	0	4	+	12, 1, 1	12, 1, 1	12, 1, 1	I_{12},I_1,I_1	**2** : 2
D2	1	1	1	−344	−2599	0	4	+	6, 2, 2	6, 2, 2	6, 2, 2	I_6,I_2,I_2	**2** : 1, 3, 4
D3	1	1	1	−5504	−159463	0	2	+	3, 1, 1	3, 1, 1	3, 1, 1	I_3,I_1,I_1	**2** : 2
D4	1	1	1	−304	−3175	0	2	−	3, 4, 4	3, 4, 4	3, 2, 2	I_3,I_4,I_4	**2** : 2
E1	1	1	1	−44124	3549153	0	1	−	2, 19, 1	2, 19, 1	2, 1, 1	I_2,I_{19},I_1	
F1	1	0	0	159	1737	0	7	−	14, 7, 1	14, 7, 1	14, 7, 1	I_{14},I_7,I_1	**7** : 2
F2	1	0	0	−59901	−5648523	0	1	−	2, 1, 7	2, 1, 7	2, 1, 7	I_2,I_1,I_7	**7** : 1
G1	1	0	0	−2	0	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
G2	1	0	0	8	2	0	2	−	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1

259 $N = 259 = 7 \cdot 37$ (1 isogeny class) 259

A1	1	−1	0	−5	−32	0	2	−	3, 2	3, 2	3, 2	I_3,I_2	**2** : 2
A2	1	−1	0	−190	−957	0	2	+	6, 1	6, 1	6, 1	I_6,I_1	**2** : 1

260 $N = 260 = 2^2 \cdot 5 \cdot 13$ (1 isogeny class) 260

A1	0	−1	0	−281	1910	0	2	+	4, 1, 2	0, 1, 2	1, 1, 2	IV,I_1,I_2	**2** : 2
A2	0	−1	0	−276	1976	0	2	−	8, 2, 4	0, 2, 4	1, 2, 2	IV*,I_2,I_4	**2** : 1

262 $N = 262 = 2 \cdot 131$ (2 isogeny classes) 262

A1	1	0	0	1	25	1	1	−	11, 1	11, 1	11, 1	I_{11},I_1	
B1	1	−1	0	−2	2	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	

264 $N = 264 = 2^3 \cdot 3 \cdot 11$ (4 isogeny classes) 264

A1	0	1	0	−8	0	0	2	+	10, 1, 1	0, 1, 1	2, 1, 1	III*,I_1,I_1	**2** : 2
A2	0	1	0	32	32	0	2	−	11, 2, 2	0, 2, 2	1, 2, 2	II*,I_2,I_2	**2** : 1
B1	0	−1	0	−12	−12	0	2	+	8, 1, 1	0, 1, 1	2, 1, 1	I_1^*,I_1,I_1	**2** : 2
B2	0	−1	0	−32	60	0	4	+	10, 2, 2	0, 2, 2	2, 2, 2	III*,I_2,I_2	**2** : 1, 3, 4
B3	0	−1	0	−472	4108	0	2	+	11, 4, 1	0, 4, 1	1, 2, 1	II*,I_4,I_1	**2** : 2
B4	0	−1	0	88	300	0	2	−	11, 1, 4	0, 1, 4	1, 1, 4	II*,I_1,I_4	**2** : 2
C1	0	1	0	1	6	0	4	−	4, 4, 1	0, 4, 1	2, 4, 1	III,I_4,I_1	**2** : 2
C2	0	1	0	−44	96	0	4	+	8, 2, 2	0, 2, 2	2, 2, 2	I_1^*,I_2,I_2	**2** : 1, 3, 4
C3	0	1	0	−104	−288	0	2	+	10, 1, 4	0, 1, 4	2, 1, 2	III*,I_1,I_4	**2** : 2
C4	0	1	0	−704	6960	0	2	+	10, 1, 1	0, 1, 1	2, 1, 1	III*,I_1,I_1	**2** : 2
D1	0	1	0	−8016	−278928	0	2	+	10, 7, 1	0, 7, 1	2, 7, 1	III*,I_7,I_1	**2** : 2
D2	0	1	0	−7976	−281808	0	2	−	11, 14, 2	0, 14, 2	1, 14, 2	II*,I_{14},I_2	**2** : 1

265 $N = 265 = 5 \cdot 53$ (1 isogeny class) 265

A1	1	−1	1	−138	656	1	2	+	3, 1	3, 1	1, 1	I_3,I_1	**2** : 2
A2	1	−1	1	−133	702	1	2	−	6, 2	6, 2	2, 2	I_6,I_2	**2** : 1

267 $N = 267 = 3 \cdot 89$ (2 isogeny classes) 267

A1	0	1	1	−3	2	0	3	−	3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
A2	0	1	1	27	−37	0	1	−	1, 3	1, 3	1, 1	I_1,I_3	**3** : 1
B1	0	−1	1	−441	6419	0	1	−	17, 1	17, 1	1, 1	I_{17},I_1	

	a_1 a_2 a_3 a_4 a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

268 $N = 268 = 2^2 \cdot 67$ (1 isogeny class) 268

A1	0 −1 0 3 −7	0	1	− 8,1	0,1	1,1	IV*,I_1	

269 $N = 269 = 269$ (1 isogeny class) 269

A1	0 0 1 −2 −1	1	1	+ 1	1	1	I_1	

270 $N = 270 = 2 \cdot 3^3 \cdot 5$ (4 isogeny classes) 270

A1	1 −1 0 −15 35	0	3	− 1,9,1	1,0,1	1,3,1	I_1,IV*,I_1	**3** : 2
A2	1 −1 0 120 −424	0	1	− 3,11,3	3,0,3	1,1,1	I_3,II*,I_3	**3** : 1
B1	1 −1 1 7 −103	0	3	− 15,3,1	15,0,1	15,1,1	I_{15},II,I_1	**3** : 2
B2	1 −1 1 −1433 −20519	0	1	− 5,9,3	5,0,3	5,1,1	I_5,IV*,I_3	**3** : 1
C1	1 −1 1 −2 −1	0	1	− 1,3,1	1,0,1	1,1,1	I_1,II,I_1	**3** : 2
C2	1 −1 1 13 11	0	3	− 3,5,3	3,0,3	3,1,3	I_3,IV,I_3	**3** : 1
D1	1 −1 0 −159 813	0	3	− 5,3,3	5,0,3	1,1,3	I_5,II,I_3	**3** : 2
D2	1 −1 0 66 2708	0	1	− 15,9,1	15,0,1	1,1,1	I_{15},IV*,I_1	**3** : 1

272 $N = 272 = 2^4 \cdot 17$ (4 isogeny classes) 272

A1	0 1 0 −8 4	1	2	+ 10,1	0,1	4,1	I_2^*,I_1	**2** : 2
A2	0 1 0 −48 −140	1	2	+ 11,2	0,2	2,2	I_3^*,I_2	**2** : 1
B1	0 0 0 −11 −6	1	2	+ 12,1	0,1	4,1	I_4^*,I_1	**2** : 2
B2	0 0 0 −91 330	1	4	+ 12,2	0,2	4,2	I_4^*,I_2	**2** : 1, 3, 4
B3	0 0 0 −1451 21274	1	4	+ 12,1	0,1	4,1	I_4^*,I_1	**2** : 2
B4	0 0 0 −11 890	1	4	− 12,4	0,4	2,4	I_4^*,I_4	**2** : 2
C1	0 −1 0 −4 0	0	2	+ 8,1	0,1	2,1	I_0^*,I_1	**2** : 2
C2	0 −1 0 16 −16	0	2	− 10,2	0,2	2,2	I_2^*,I_2	**2** : 1
D1	0 −1 0 −48 −64	0	2	+ 18,1	6,1	4,1	I_{10}^*,I_1	**2** : 2; **3** : 3
D2	0 −1 0 −688 −6720	0	2	+ 15,2	3,2	4,2	I_7^*,I_2	**2** : 1; **3** : 4
D3	0 −1 0 −1648 26304	0	2	+ 14,3	2,3	4,1	I_6^*,I_3	**2** : 4; **3** : 1
D4	0 −1 0 −1808 21056	0	2	+ 13,6	1,6	4,2	I_5^*,I_6	**2** : 3; **3** : 2

273 $N = 273 = 3 \cdot 7 \cdot 13$ (2 isogeny classes) 273

A1	0 −1 1 −26 68	1	1	− 4,3,1	4,3,1	2,3,1	I_4,I_3,I_1	
B1	0 1 1 2540 −157433	0	1	− 8,7,3	8,7,3	8,1,1	I_8,I_7,I_3	

274 $N = 274 = 2 \cdot 137$ (3 isogeny classes) 274

A1	1 0 0 −7 9	1	1	− 7,1	7,1	7,1	I_7,I_1	
B1	1 −1 0 −2846 59156	1	1	− 11,1	11,1	1,1	I_{11},I_1	
C1	1 −1 0 −2 0	1	2	+ 2,1	2,1	2,1	I_2,I_1	**2** : 2
C2	1 −1 0 8 −6	1	2	− 1,2	1,2	1,2	I_1,I_2	**2** : 1

275 $N = 275 = 5^2 \cdot 11$ (2 isogeny classes) 275

A1	1 −1 1 20 22	1	4	− 7,1	1,1	4,1	I_1^*,I_1	**2** : 2
A2	1 −1 1 −105 272	1	4	+ 8,2	2,2	4,2	I_2^*,I_2	**2** : 1, 3, 4
A3	1 −1 1 −730 −7228	1	2	+ 7,4	1,4	4,2	I_1^*,I_4	**2** : 2
A4	1 −1 1 −1480 22272	1	2	+ 10,1	4,1	4,1	I_4^*,I_1	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

275 $N = 275 = 5^2 \cdot 11$ (continued) 275

B1	0	1	1	−8	19	0	1	− 6, 1	0, 1	1, 1	I_0^*,I_1	**5** : 2
B2	0	1	1	−258	−2981	0	1	− 6, 5	0, 5	1, 5	I_0^*,I_5	**5** : 1, 3
B3	0	1	1	−195508	−33338481	0	1	− 6, 1	0, 1	1, 1	I_0^*,I_1	**5** : 2

277 $N = 277 = 277$ (1 isogeny class) 277

A1	1	0	1	0	−1	1	1	− 1	1	1	I_1	

278 $N = 278 = 2 \cdot 139$ (2 isogeny classes) 278

A1	1	0	0	−1	9	1	1	− 8, 1	8, 1	8, 1	I_8,I_1	
B1	1	0	1	−537	6908	0	3	− 12, 3	12, 3	2, 3	I_{12},I_3	**3** : 2, 3
B2	1	0	1	4328	−100122	0	1	− 36, 1	36, 1	2, 1	I_{36},I_1	**3** : 1
B3	1	0	1	−602	5628	0	3	− 4, 1	4, 1	2, 1	I_4,I_1	**3** : 1

280 $N = 280 = 2^3 \cdot 5 \cdot 7$ (2 isogeny classes) 280

A1	0	−1	0	−1	5	1	1	− 8, 1, 1	0, 1, 1	4, 1, 1	I_1^*,I_1,I_1	
B1	0	0	0	−412	3316	1	1	− 8, 5, 3	0, 5, 3	4, 5, 3	I_1^*,I_5,I_3	

282 $N = 282 = 2 \cdot 3 \cdot 47$ (2 isogeny classes) 282

A1	1	1	1	58	−61	0	4	− 12, 4, 1	12, 4, 1	12, 2, 1	I_{12},I_4,I_1	**2** : 2
A2	1	1	1	−262	−829	0	4	+ 6, 8, 2	6, 8, 2	6, 2, 2	I_6,I_8,I_2	**2** : 1, 3, 4
A3	1	1	1	−3502	−81181	0	2	+ 3, 4, 4	3, 4, 4	3, 2, 2	I_3,I_4,I_4	**2** : 2
A4	1	1	1	−2142	36771	0	2	+ 3, 16, 1	3, 16, 1	3, 2, 1	I_3,I_{16},I_1	**2** : 2
B1	1	1	1	−15	21	1	2	− 8, 2, 1	8, 2, 1	8, 2, 1	I_8,I_2,I_1	**2** : 2
B2	1	1	1	−255	1461	1	2	+ 4, 1, 2	4, 1, 2	4, 1, 2	I_4,I_1,I_2	**2** : 1

285 $N = 285 = 3 \cdot 5 \cdot 19$ (3 isogeny classes) 285

A1	1	0	0	19	0	1	2	− 5, 1, 2	5, 1, 2	5, 1, 2	I_5,I_1,I_2	**2** : 2
A2	1	0	0	−76	−19	1	2	+ 10, 2, 1	10, 2, 1	10, 2, 1	I_{10},I_2,I_1	**2** : 1
B1	1	1	0	2	−17	1	2	− 1, 3, 2	1, 3, 2	1, 1, 2	I_1,I_3,I_2	**2** : 2
B2	1	1	0	−93	−378	1	2	+ 2, 6, 1	2, 6, 1	2, 2, 1	I_2,I_6,I_1	**2** : 1
C1	1	1	0	23	−176	0	2	− 8, 3, 1	8, 3, 1	2, 3, 1	I_8,I_3,I_1	**2** : 2
C2	1	1	0	−382	−2849	0	4	+ 4, 6, 2	4, 6, 2	2, 6, 2	I_4,I_6,I_2	**2** : 1, 3, 4
C3	1	1	0	−6007	−181724	0	2	+ 2, 3, 4	2, 3, 4	2, 3, 2	I_2,I_3,I_4	**2** : 2
C4	1	1	0	−1237	13054	0	4	+ 2, 12, 1	2, 12, 1	2, 12, 1	I_2,I_{12},I_1	**2** : 2

286 $N = 286 = 2 \cdot 11 \cdot 13$ (6 isogeny classes) 286

A1	1	0	1	−7	42	0	3	− 5, 1, 3	5, 1, 3	1, 1, 3	I_5,I_1,I_3	**3** : 2
A2	1	0	1	58	−1128	0	1	− 15, 3, 1	15, 3, 1	1, 1, 1	I_{15},I_3,I_1	**3** : 1
B1	1	1	1	13	177	1	1	− 13, 2, 1	13, 2, 1	13, 2, 1	I_{13},I_2,I_1	
C1	1	1	0	−33	61	1	1	− 3, 2, 1	3, 2, 1	1, 2, 1	I_3,I_2,I_1	
D1	1	1	1	280	393	0	5	− 5, 2, 5	5, 2, 5	5, 2, 5	I_5,I_2,I_5	**5** : 2
D2	1	1	1	−27930	−1808687	0	1	− 1, 10, 1	1, 10, 1	1, 10, 1	I_1,I_{10},I_1	**5** : 1
E1	1	1	1	−66	−313	0	1	− 3, 5, 1	3, 5, 1	3, 1, 1	I_3,I_5,I_1	
F1	1	1	1	0	−1	0	1	− 1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

288 $N = 288 = 2^5 \cdot 3^2$ (5 isogeny classes) 288

A1	0	0	0	3	0	1	2	−	6, 3	0, 0	2, 2	III,III	**2** : 2
A2	0	0	0	−12	0	1	2	+	12, 3	0, 0	4, 2	I_3^*,III	**2** : 1
B1	0	0	0	−21	−20	1	4	+	6, 8	0, 2	2, 4	III,I_2^*	**2** : 2, 3, 4
B2	0	0	0	−291	−1910	1	2	+	9, 7	0, 1	1, 2	I_0^*,I_1^*	**2** : 1
B3	0	0	0	−156	736	1	4	+	12, 7	0, 1	4, 4	I_3^*,I_1^*	**2** : 1
B4	0	0	0	69	−146	1	2	−	9, 10	0, 4	2, 4	I_0^*,I_4^*	**2** : 1
C1	0	0	0	−21	20	0	4	+	6, 8	0, 2	2, 4	III,I_2^*	**2** : 2, 3, 4
C2	0	0	0	−156	−736	0	2	+	12, 7	0, 1	2, 2	I_3^*,I_1^*	**2** : 1
C3	0	0	0	−291	1910	0	4	+	9, 7	0, 1	2, 4	I_0^*,I_1^*	**2** : 1
C4	0	0	0	69	146	0	2	−	9, 10	0, 4	1, 4	I_0^*,I_4^*	**2** : 1
D1	0	0	0	−9	0	0	4	+	6, 6	0, 0	2, 4	III,I_0^*	**2** : 2, 3, 4
D2	0	0	0	−99	−378	0	2	+	9, 6	0, 0	2, 2	I_0^*,I_0^*	**2** : 1
D3	0	0	0	−99	378	0	2	+	9, 6	0, 0	1, 2	I_0^*,I_0^*	**2** : 1
D4	0	0	0	36	0	0	2	−	12, 6	0, 0	2, 2	I_3^*,I_0^*	**2** : 1
E1	0	0	0	27	0	0	2	−	6, 9	0, 0	2, 2	III,III*	**2** : 2
E2	0	0	0	−108	0	0	2	+	12, 9	0, 0	2, 2	I_3^*,III*	**2** : 1

289 $N = 289 = 17^2$ (1 isogeny class) 289

A1	1	−1	1	−199	510	1	4	+	7	1	4	I_1^*	**2** : 2
A2	1	−1	1	−1644	−24922	1	4	+	8	2	4	I_2^*	**2** : 1, 3, 4
A3	1	−1	1	−26209	−1626560	1	2	+	7	1	4	I_1^*	**2** : 2
A4	1	−1	1	−199	−68272	1	2	−	10	4	4	I_4^*	**2** : 2

290 $N = 290 = 2 \cdot 5 \cdot 29$ (1 isogeny class) 290

A1	1	−1	0	−70	−204	1	2	+	8, 3, 1	8, 3, 1	2, 1, 1	I_8,I_3,I_1	**2** : 2
A2	1	−1	0	10	−700	1	2	−	4, 6, 2	4, 6, 2	2, 2, 2	I_4,I_6,I_2	**2** : 1

291 $N = 291 = 3 \cdot 97$ (4 isogeny classes) 291

A1	0	−1	1	−2174	151262	0	1	−	23, 1	23, 1	1, 1	I_{23},I_1	
B1	1	1	1	−169	686	0	4	+	8, 2	8, 2	2, 2	I_8,I_2	**2** : 2, 3, 4
B2	1	1	1	−654	−5910	0	2	+	16, 1	16, 1	2, 1	I_{16},I_1	**2** : 1
B3	1	1	1	−164	740	0	4	+	4, 1	4, 1	2, 1	I_4,I_1	**2** : 1
B4	1	1	1	236	3926	0	4	−	4, 4	4, 4	2, 4	I_4,I_4	**2** : 1
C1	1	1	1	−3	0	1	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
C2	1	1	1	−18	−36	1	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
D1	0	−1	1	0	−1	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	

294 $N = 294 = 2 \cdot 3 \cdot 7^2$ (7 isogeny classes) 294

A1	1	1	1	−50	293	0	1	−	1, 1, 8	1, 1, 0	1, 1, 1	I_1,I_1,IV*	**7** : 2
A2	1	1	1	−6910	−232261	0	1	−	7, 7, 8	7, 7, 0	7, 1, 1	I_7,I_7,IV*	**7** : 1
B1	1	0	0	−1	−1	0	1	−	1, 1, 2	1, 1, 0	1, 1, 1	I_1,I_1,II	**7** : 2
B2	1	0	0	−141	657	0	7	−	7, 7, 2	7, 7, 0	7, 7, 1	I_7,I_7,II	**7** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
294				$N = 294 = 2 \cdot 3 \cdot 7^2$ (continued)									**294**
C1	1	0	0	−197	−2367	0	4	−	8, 2, 7	8, 2, 1	8, 2, 4	I_8,I_2,I_1^*	**2** : 2
C2	1	0	0	−4117	−101935	0	4	+	4, 4, 8	4, 4, 2	4, 4, 4	I_4,I_4,I_2^*	**2** : 1, 3, 4
C3	1	0	0	−65857	−6510547	0	2	+	2, 2, 7	2, 2, 1	2, 2, 2	I_2,I_2,I_1^*	**2** : 2
C4	1	0	0	−5097	−49995	0	4	+	2, 8, 10	2, 8, 4	2, 8, 4	I_2,I_8,I_4^*	**2** : 2, 5, 6
C5	1	0	0	−44787	3609423	0	2	+	1, 4, 14	1, 4, 8	1, 4, 4	I_1,I_4,I_8^*	**2** : 4
C6	1	0	0	18913	−381333	0	2	−	1, 16, 8	1, 16, 2	1, 16, 2	I_1,I_{16},I_2^*	**2** : 4
D1	1	0	1	23	−52	0	3	−	5, 3, 4	5, 3, 0	1, 3, 3	I_5,I_3,IV	**3** : 2
D2	1	0	1	−712	−7402	0	1	−	15, 1, 4	15, 1, 0	1, 1, 3	I_{15},I_1,IV	**3** : 1
E1	1	1	0	1151	18901	0	1	−	5, 3, 10	5, 3, 0	1, 1, 1	I_5,I_3,II^*	**3** : 2
E2	1	1	0	−34864	2503936	0	1	−	15, 1, 10	15, 1, 0	1, 1, 1	I_{15},I_1,II^*	**3** : 1
F1	1	1	0	122	−10940	0	2	−	4, 4, 9	4, 4, 0	2, 2, 2	I_4,I_4,III^*	**2** : 2
F2	1	1	0	−6738	−209880	0	2	+	2, 8, 9	2, 8, 0	2, 2, 2	I_2,I_8,III^*	**2** : 1
G1	1	0	1	2	32	1	2	−	4, 4, 3	4, 4, 0	2, 4, 2	I_4,I_4,III	**2** : 2
G2	1	0	1	−138	592	1	2	+	2, 8, 3	2, 8, 0	2, 8, 2	I_2,I_8,III	**2** : 1
296				$N = 296 = 2^3 \cdot 37$ (2 isogeny classes)									**296**
A1	0	−1	0	−9	13	1	1	+	8, 1	0, 1	4, 1	I_1^*,I_1	
B1	0	−1	0	−33	85	1	1	+	8, 1	0, 1	2, 1	I_1^*,I_1	
297				$N = 297 = 3^3 \cdot 11$ (4 isogeny classes)									**297**
A1	0	0	1	−81	290	1	1	−	9, 2	0, 2	3, 2	IV^*,I_2	
B1	1	−1	1	1	0	1	1	−	3, 1	0, 1	1, 1	II,I_1	
C1	1	−1	0	12	−19	1	1	−	9, 1	0, 1	3, 1	IV^*,I_1	
D1	0	0	1	−9	−11	0	1	−	3, 2	0, 2	1, 2	II,I_2	
298				$N = 298 = 2 \cdot 149$ (2 isogeny classes)									**298**
A1	1	0	0	−19	33	1	1	−	9, 1	9, 1	9, 1	I_9,I_1	
B1	1	−1	0	1	−1	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	
300				$N = 300 = 2^2 \cdot 3 \cdot 5^2$ (4 isogeny classes)									**300**
A1	0	−1	0	−13	−23	0	1	−	8, 3, 2	0, 3, 0	1, 1, 1	IV^*,I_3,II	**3** : 2
A2	0	−1	0	−1213	−15863	0	1	−	8, 1, 2	0, 1, 0	3, 1, 1	IV^*,I_1,II	**3** : 1
B1	0	1	0	−333	−3537	0	3	−	8, 3, 8	0, 3, 0	3, 3, 3	IV^*,I_3,IV^*	**3** : 2
B2	0	1	0	−30333	−2043537	0	1	−	8, 1, 8	0, 1, 0	1, 1, 1	IV^*,I_1,IV^*	**3** : 1
C1	0	1	0	−333	2088	0	2	+	4, 2, 9	0, 2, 0	1, 2, 2	IV,I_2,III^*	**2** : 2
C2	0	1	0	292	9588	0	2	−	8, 4, 9	0, 4, 0	1, 4, 2	IV^*,I_4,III^*	**2** : 1
D1	0	−1	0	−13	22	1	2	+	4, 2, 3	0, 2, 0	3, 2, 2	IV,I_2,III	**2** : 2
D2	0	−1	0	12	72	1	2	−	8, 4, 3	0, 4, 0	3, 2, 2	IV^*,I_4,III	**2** : 1
302				$N = 302 = 2 \cdot 151$ (3 isogeny classes)									**302**
A1	1	1	1	−230	1251	1	5	−	15, 1	15, 1	15, 1	I_{15},I_1	**5** : 2
A2	1	1	1	1650	−27389	1	1	−	3, 5	3, 5	3, 5	I_3,I_5	**5** : 1
B1	1	1	0	1	5	0	2	−	6, 1	6, 1	2, 1	I_6,I_1	**2** : 2
B2	1	1	0	−39	77	0	2	+	3, 2	3, 2	1, 2	I_3,I_2	**2** : 1
C1	1	−1	1	0	3	1	1	−	5, 1	5, 1	5, 1	I_5,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
303				$N = 303 = 3 \cdot 101$	(2 isogeny classes)								**303**
A1	0	1	1	−197	−208	1	1	+	14, 1	14, 1	14, 1	I_{14},I_1	
B1	0	1	1	−6	2	1	1	+	4, 1	4, 1	4, 1	I_4,I_1	
304				$N = 304 = 2^4 \cdot 19$	(6 isogeny classes)								**304**
A1	0	1	0	0	−76	1	1	−	17, 1	5, 1	4, 1	I_9^*,I_1	**5** : 2
A2	0	1	0	−1120	15604	1	1	−	13, 5	1, 5	4, 5	I_5^*,I_5	**5** : 1
B1	0	−1	0	−248	−1424	0	1	−	15, 1	3, 1	2, 1	I_7^*,I_1	**3** : 2
B2	0	−1	0	152	−5776	0	1	−	21, 3	9, 3	2, 1	I_{13}^*,I_3	**3** : 1, 3
B3	0	−1	0	−1368	157168	0	1	−	39, 1	27, 1	2, 1	I_{31}^*,I_1	**3** : 2
C1	0	−1	0	−8	16	1	1	−	11, 1	0, 1	4, 1	I_3^*,I_1	
D1	0	−1	0	−1	−3	0	1	−	8, 1	0, 1	1, 1	I_0^*,I_1	
E1	0	−1	0	11	−3	0	1	−	12, 1	0, 1	1, 1	II*,I_1	**3** : 2
E2	0	−1	0	−149	797	0	1	−	12, 3	0, 3	1, 1	II*,I_3	**3** : 1, 3
E3	0	−1	0	−12309	529757	0	1	−	12, 1	0, 1	1, 1	II*,I_1	**3** : 2
F1	0	1	0	−21	31	1	1	−	8, 1	0, 1	2, 1	I_0^*,I_1	
306				$N = 306 = 2 \cdot 3^2 \cdot 17$	(4 isogeny classes)								**306**
A1	1	−1	1	−2300	−41857	0	2	+	6, 12, 1	6, 6, 1	6, 2, 1	I_6,I_6^*,I_1	**2** : 2; **3** : 3
A2	1	−1	1	−1940	−55681	0	2	−	3, 18, 2	3, 12, 2	3, 4, 2	I_3,I_{12}^*,I_2	**2** : 1; **3** : 4
A3	1	−1	1	−6755	163235	0	6	+	18, 8, 3	18, 2, 3	18, 2, 3	I_{18},I_2^*,I_3	**2** : 4; **3** : 1
A4	1	−1	1	16285	1020323	0	6	−	9, 10, 6	9, 4, 6	9, 4, 6	I_9,I_4^*,I_6	**2** : 3; **3** : 2
B1	1	−1	0	−27	−27	1	2	+	6, 6, 1	6, 0, 1	2, 2, 1	I_6,I_0^*,I_1	**2** : 2; **3** : 3
B2	1	−1	0	−387	−2835	1	2	+	3, 6, 2	3, 0, 2	1, 2, 2	I_3,I_0^*,I_2	**2** : 1; **3** : 4
B3	1	−1	0	−927	11097	1	6	+	2, 6, 3	2, 0, 3	2, 2, 3	I_2,I_0^*,I_3	**2** : 4; **3** : 1
B4	1	−1	0	−1017	8883	1	6	+	1, 6, 6	1, 0, 6	1, 2, 6	I_1,I_0^*,I_6	**2** : 3; **3** : 2
C1	1	−1	0	−306	−1836	0	2	+	8, 10, 1	8, 4, 1	2, 2, 1	I_8,I_4^*,I_1	**2** : 2
C2	1	−1	0	−1026	10692	0	4	+	4, 14, 2	4, 8, 2	2, 4, 2	I_4,I_8^*,I_2	**2** : 1, 3, 4
C3	1	−1	0	−15606	754272	0	4	+	2, 10, 4	2, 4, 4	2, 4, 2	I_2,I_4^*,I_4	**2** : 2, 5, 6
C4	1	−1	0	2034	60264	0	2	−	2, 22, 1	2, 16, 1	2, 4, 1	I_2,I_{16}^*,I_1	**2** : 2
C5	1	−1	0	−249696	48087270	0	2	+	1, 8, 2	1, 2, 2	1, 2, 2	I_1,I_2^*,I_2	**2** : 3
C6	1	−1	0	−14796	835434	0	2	−	1, 8, 8	1, 2, 8	1, 4, 2	I_1,I_2^*,I_8	**2** : 3
D1	1	−1	1	−23	−21	0	2	+	2, 8, 1	2, 2, 1	2, 2, 1	I_2,I_2^*,I_1	**2** : 2
D2	1	−1	1	67	−201	0	2	−	1, 10, 2	1, 4, 2	1, 4, 2	I_1,I_4^*,I_2	**2** : 1
307				$N = 307 = 307$	(4 isogeny classes)								**307**
A1	0	0	1	−8	−9	0	1	−	1	1	1	I_1	
B1	1	1	0	0	−1	0	1	−	1	1	1	I_1	
C1	0	0	1	1	−1	0	1	−	1	1	1	I_1	
D1	0	−1	1	2	−1	0	1	−	1	1	1	I_1	
308				$N = 308 = 2^2 \cdot 7 \cdot 11$	(1 isogeny class)								**308**
A1	0	−1	0	−21	49	1	1	−	8, 2, 1	0, 2, 1	3, 2, 1	IV*,I_2,I_1	
309				$N = 309 = 3 \cdot 103$	(1 isogeny class)								**309**
A1	1	0	0	−6	9	1	1	−	5, 1	5, 1	5, 1	I_5,I_1	

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
310				$N = 310 = 2 \cdot 5 \cdot 31$ (2 isogeny classes)								**310**
A1	1	1	1	−66	−241	0	2	− 6, 4, 1	6, 4, 1	6, 2, 1	I_6,I_4,I_1	**2** : 2
A2	1	1	1	−1066	−13841	0	2	+ 3, 2, 2	3, 2, 2	3, 2, 2	I_3,I_2,I_2	**2** : 1
B1	1	0	0	−106	420	1	6	− 12, 2, 1	12, 2, 1	12, 2, 1	I_{12},I_2,I_1	**2** : 2; **3** : 3
B2	1	0	0	−1706	26980	1	6	+ 6, 1, 2	6, 1, 2	6, 1, 2	I_6,I_1,I_2	**2** : 1; **3** : 4
B3	1	0	0	454	1876	1	2	− 4, 6, 3	4, 6, 3	4, 2, 3	I_4,I_6,I_3	**2** : 4; **3** : 1
B4	1	0	0	−2046	15376	1	2	+ 2, 3, 6	2, 3, 6	2, 1, 6	I_2,I_3,I_6	**2** : 3; **3** : 2
312				$N = 312 = 2^3 \cdot 3 \cdot 13$ (6 isogeny classes)								**312**
A1	0	1	0	−3	−6	0	2	− 4, 1, 2	0, 1, 2	2, 1, 2	III,I_1,I_2	**2** : 2
A2	0	1	0	−68	−240	0	2	+ 8, 2, 1	0, 2, 1	2, 2, 1	I_1^*,I_2,I_1	**2** : 1
B1	0	−1	0	−3	0	1	2	+ 4, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	**2** : 2
B2	0	−1	0	12	−12	1	2	− 8, 1, 2	0, 1, 2	2, 1, 2	I_1^*,I_1,I_2	**2** : 1
C1	0	1	0	−7	2	0	4	+ 4, 4, 1	0, 4, 1	2, 4, 1	III,I_4,I_1	**2** : 2
C2	0	1	0	−52	−160	0	4	+ 8, 2, 2	0, 2, 2	4, 2, 2	I_1^*,I_2,I_2	**2** : 1, 3, 4
C3	0	1	0	−832	−9520	0	2	+ 10, 1, 1	0, 1, 1	2, 1, 1	III*,I_1,I_1	**2** : 2
C4	0	1	0	8	−448	0	2	− 10, 1, 4	0, 1, 4	2, 1, 4	III*,I_1,I_4	**2** : 2
D1	0	−1	0	−39	108	0	4	+ 4, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	**2** : 2
D2	0	−1	0	−44	84	0	4	+ 8, 4, 2	0, 4, 2	2, 2, 2	I_1^*,I_4,I_2	**2** : 1, 3, 4
D3	0	−1	0	−304	−1892	0	2	+ 10, 8, 1	0, 8, 1	2, 2, 1	III*,I_8,I_1	**2** : 2
D4	0	−1	0	136	444	0	4	− 10, 2, 4	0, 2, 4	2, 2, 4	III*,I_2,I_4	**2** : 2
E1	0	−1	0	−651	6228	0	2	+ 4, 10, 3	0, 10, 3	2, 2, 1	III,I_{10},I_3	**2** : 2
E2	0	−1	0	564	25668	0	2	− 8, 5, 6	0, 5, 6	4, 1, 2	I_1^*,I_5,I_6	**2** : 1
F1	0	1	0	5	14	1	2	− 4, 3, 2	0, 3, 2	2, 3, 2	III,I_3,I_2	**2** : 2
F2	0	1	0	−60	144	1	2	+ 8, 6, 1	0, 6, 1	4, 6, 1	I_1^*,I_6,I_1	**2** : 1
314				$N = 314 = 2 \cdot 157$ (1 isogeny class)								**314**
A1	1	−1	0	13	−11	1	1	− 10, 1	10, 1	2, 1	I_{10},I_1	
315				$N = 315 = 3^2 \cdot 5 \cdot 7$ (2 isogeny classes)								**315**
A1	0	0	1	−12	−18	0	1	− 6, 1, 1	0, 1, 1	1, 1, 1	I_0^*,I_1,I_1	**3** : 2
A2	0	0	1	78	45	0	3	− 6, 3, 3	0, 3, 3	1, 3, 3	I_0^*,I_3,I_3	**3** : 1, 3
A3	0	0	1	−1182	16362	0	3	− 6, 9, 1	0, 9, 1	1, 9, 1	I_0^*,I_9,I_1	**3** : 2
B1	1	−1	1	−23	−34	1	2	+ 7, 1, 1	1, 1, 1	2, 1, 1	I_1^*,I_1,I_1	**2** : 2
B2	1	−1	1	−68	182	1	4	+ 8, 2, 2	2, 2, 2	4, 2, 2	I_2^*,I_2,I_2	**2** : 1, 3, 4
B3	1	−1	1	−1013	12656	1	2	+ 7, 4, 1	1, 4, 1	4, 2, 1	I_1^*,I_4,I_1	**2** : 2
B4	1	−1	1	157	992	1	2	− 10, 1, 4	4, 1, 4	4, 1, 4	I_4^*,I_1,I_4	**2** : 2
316				$N = 316 = 2^2 \cdot 79$ (2 isogeny classes)								**316**
A1	0	−1	0	−180	−872	0	1	+ 8, 1	0, 1	1, 1	IV*,I_1	
B1	0	0	0	−7	−2	1	1	+ 8, 1	0, 1	3, 1	IV*,I_1	
318				$N = 318 = 2 \cdot 3 \cdot 53$ (5 isogeny classes)								**318**
A1	1	1	1	2	−7	0	1	− 1, 5, 1	1, 5, 1	1, 1, 1	I_1,I_5,I_1	
B1	1	0	1	−61	176	0	3	− 3, 3, 1	3, 3, 1	1, 3, 1	I_3,I_3,I_1	**3** : 2
B2	1	0	1	44	722	0	1	− 9, 1, 3	9, 1, 3	1, 1, 1	I_9,I_1,I_3	**3** : 1
C1	1	1	0	7	−9	1	1	− 1, 6, 1	1, 6, 1	1, 2, 1	I_1,I_6,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
318							$N = 318 = 2 \cdot 3 \cdot 53$ (continued)						**318**
D1	1	1	1	−12	45	1	1	−	11, 2, 1	11, 2, 1	11, 2, 1	I_{11},I_2,I_1	
E1	1	1	0	142	180	0	1	−	17, 3, 1	17, 3, 1	1, 1, 1	I_{17},I_3,I_1	
319							$N = 319 = 11 \cdot 29$ (1 isogeny class)						**319**
A1	0	0	1	−37	−87	0	1	−	1, 2	1, 2	1, 2	I_1,I_2	
320							$N = 320 = 2^6 \cdot 5$ (6 isogeny classes)						**320**
A1	0	0	0	−8	−8	0	2	+	10, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
A2	0	0	0	−28	48	0	4	+	14, 2	0, 2	4, 2	I_4^*,I_2	**2** : 1, 3, 4
A3	0	0	0	−428	3408	0	2	+	16, 1	0, 1	2, 1	I_6^*,I_1	**2** : 2
A4	0	0	0	52	272	0	2	−	16, 4	0, 4	2, 2	I_6^*,I_4	**2** : 2
B1	0	0	0	−8	8	1	2	+	10, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
B2	0	0	0	−28	−48	1	4	+	14, 2	0, 2	4, 2	I_4^*,I_2	**2** : 1, 3, 4
B3	0	0	0	−428	−3408	1	2	+	16, 1	0, 1	2, 1	I_6^*,I_1	**2** : 2
B4	0	0	0	52	−272	1	2	−	16, 4	0, 4	4, 2	I_6^*,I_4	**2** : 2
C1	0	−1	0	−5	5	0	2	+	10, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2; **3** : 3
C2	0	−1	0	15	17	0	2	−	14, 2	0, 2	2, 2	I_4^*,I_2	**2** : 1; **3** : 4
C3	0	−1	0	−165	−763	0	2	+	10, 3	0, 3	2, 3	I_0^*,I_3	**2** : 4; **3** : 1
C4	0	−1	0	−145	−975	0	2	−	14, 6	0, 6	2, 6	I_4^*,I_6	**2** : 3; **3** : 2
D1	0	−1	0	0	2	0	2	−	6, 2	0, 2	1, 2	II,I_2	**2** : 2
D2	0	−1	0	−25	57	0	2	+	12, 1	0, 1	2, 1	I_2^*,I_1	**2** : 1
E1	0	1	0	0	−2	0	2	−	6, 2	0, 2	1, 2	II,I_2	**2** : 2
E2	0	1	0	−25	−57	0	2	+	12, 1	0, 1	2, 1	I_2^*,I_1	**2** : 1
F1	0	1	0	−5	−5	1	2	+	10, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2; **3** : 3
F2	0	1	0	15	−17	1	2	−	14, 2	0, 2	4, 2	I_4^*,I_2	**2** : 1; **3** : 4
F3	0	1	0	−165	763	1	2	+	10, 3	0, 3	2, 3	I_0^*,I_3	**2** : 4; **3** : 1
F4	0	1	0	−145	975	1	2	−	14, 6	0, 6	4, 6	I_4^*,I_6	**2** : 3; **3** : 2
322							$N = 322 = 2 \cdot 7 \cdot 23$ (4 isogeny classes)						**322**
A1	1	−1	0	−8	44	1	2	−	2, 3, 2	2, 3, 2	2, 3, 2	I_2,I_3,I_2	**2** : 2
A2	1	−1	0	−238	1470	1	2	+	1, 6, 1	1, 6, 1	1, 6, 1	I_1,I_6,I_1	**2** : 1
B1	1	1	0	35	381	0	2	−	14, 1, 2	14, 1, 2	2, 1, 2	I_{14},I_1,I_2	**2** : 2
B2	1	1	0	−605	5117	0	2	+	7, 2, 4	7, 2, 4	1, 2, 2	I_7,I_2,I_4	**2** : 1
C1	1	1	1	−4	1	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
C2	1	1	1	−14	−23	0	2	+	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
D1	1	0	0	−14	4	1	2	+	10, 1, 1	10, 1, 1	10, 1, 1	I_{10},I_1,I_1	**2** : 2
D2	1	0	0	−174	868	1	2	+	5, 2, 2	5, 2, 2	5, 2, 2	I_5,I_2,I_2	**2** : 1
323							$N = 323 = 17 \cdot 19$ (1 isogeny class)						**323**
A1	0	0	1	−46	277	0	1	−	5, 1	5, 1	1, 1	I_5,I_1	
324							$N = 324 = 2^2 \cdot 3^4$ (4 isogeny classes)						**324**
A1	0	0	0	−21	37	0	3	+	4, 4	0, 0	3, 1	IV,II	**3** : 2
A2	0	0	0	−81	−243	0	1	+	4, 12	0, 0	1, 1	IV,II*	**3** : 1
B1	0	0	0	9	−18	0	3	−	8, 6	0, 0	3, 3	IV*,IV	**3** : 2
B2	0	0	0	−351	−2538	0	1	−	8, 10	0, 0	1, 3	IV*,IV*	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

324 $N = 324 = 2^2 \cdot 3^4$ (continued) 324

C1	0	0	0	−9	9	1	3	+	4, 6	0, 0	3, 3	IV,IV	**3** : 2
C2	0	0	0	−189	−999	1	1	+	4, 10	0, 0	1, 1	IV,IV*	**3** : 1
D1	0	0	0	−39	94	0	3	−	8, 4	0, 0	3, 1	IV*,II	**3** : 2
D2	0	0	0	81	486	0	1	−	8, 12	0, 0	1, 1	IV*,II*	**3** : 1

325 $N = 325 = 5^2 \cdot 13$ (5 isogeny classes) 325

A1	0	1	1	−83	244	1	3	+	8, 1	0, 1	3, 1	IV*,I_1	**3** : 2
A2	0	1	1	−1333	−19131	1	1	+	8, 3	0, 3	1, 3	IV*,I_3	**3** : 1
B1	0	−1	1	−3	3	1	1	+	2, 1	0, 1	1, 1	II,I_1	**3** : 2
B2	0	−1	1	−53	−132	1	1	+	2, 3	0, 3	1, 1	II,I_3	**3** : 1
C1	1	1	0	−25	0	0	2	+	7, 1	1, 1	4, 1	I_1^*,I_1	**2** : 2
C2	1	1	0	100	125	0	2	−	8, 2	2, 2	4, 2	I_2^*,I_2	**2** : 1
D1	0	1	1	−508	−4581	0	1	+	4, 1	0, 1	3, 1	IV,I_1	**5** : 2
D2	0	1	1	−2458	42369	0	1	+	8, 5	0, 5	3, 1	IV*,I_5	**5** : 1
E1	0	−1	1	−98	378	0	5	+	2, 5	0, 5	1, 5	II,I_5	**5** : 2
E2	0	−1	1	−12708	−547182	0	1	+	10, 1	0, 1	1, 1	II*,I_1	**5** : 1

326 $N = 326 = 2 \cdot 163$ (3 isogeny classes) 326

A1	1	−1	0	−80	−256	1	1	+	9, 1	9, 1	1, 1	I_9,I_1	
B1	1	0	0	−6	4	1	1	+	5, 1	5, 1	5, 1	I_5,I_1	
C1	1	0	1	−355	1182	0	3	+	9, 3	9, 3	1, 3	I_9,I_3	**3** : 2, 3
C2	1	0	1	−14210	−653100	0	1	+	27, 1	27, 1	1, 1	I_{27},I_1	**3** : 1
C3	1	0	1	−300	1970	0	3	+	3, 1	3, 1	1, 1	I_3,I_1	**3** : 1

327 $N = 327 = 3 \cdot 109$ (1 isogeny class) 327

A1	1	0	0	4	−3	1	1	−	4, 1	4, 1	4, 1	I_4,I_1	

328 $N = 328 = 2^3 \cdot 41$ (2 isogeny classes) 328

A1	0	0	0	−11	−10	1	2	+	10, 1	0, 1	2, 1	III*,I_1	**2** : 2
A2	0	0	0	29	−66	1	2	−	11, 2	0, 2	1, 2	II*,I_2	**2** : 1
B1	0	−1	0	−12	20	0	2	+	8, 1	0, 1	2, 1	I_1^*,I_1	**2** : 2
B2	0	−1	0	8	60	0	2	−	10, 2	0, 2	2, 2	III*,I_2	**2** : 1

329 $N = 329 = 7 \cdot 47$ (1 isogeny class) 329

A1	1	1	1	246	−1376	0	1	−	9, 1	9, 1	1, 1	I_9,I_1	

330 $N = 330 = 2 \cdot 3 \cdot 5 \cdot 11$ (5 isogeny classes) 330

A1	1	1	0	−1393	−20603	0	2	+	4, 5, 2, 1	4, 5, 2, 1	2, 1, 2, 1	I_4,I_5,I_2,I_1	**2** : 2
A2	1	1	0	−1413	−20007	0	4	+	2, 10, 4, 2	2, 10, 4, 2	2, 2, 2, 2	I_2,I_{10},I_4,I_2	**2** : 1, 3, 4
A3	1	1	0	−4163	77343	0	2	+	1, 20, 2, 1	1, 20, 2, 1	1, 2, 2, 1	I_1,I_{20},I_2,I_1	**2** : 2
A4	1	1	0	1017	−78813	0	2	−	1, 5, 8, 4	1, 5, 8, 4	1, 1, 2, 4	I_1,I_5,I_8,I_4	**2** : 2

	a_1 a_2 a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
330		$N = 330 = 2 \cdot 3 \cdot 5 \cdot 11$ (continued)								**330**
B1	1 0 0	5	17	0	4	− 8, 2, 1, 1	8, 2, 1, 1	8, 2, 1, 1	I_8,I_2,I_1,I_1	**2** : 2
B2	1 0 0	−75	225	0	8	+ 4, 4, 2, 2	4, 4, 2, 2	4, 4, 2, 2	I_4,I_4,I_2,I_2	**2** : 1, 3, 4
B3	1 0 0	−255	−1323	0	4	+ 2, 2, 4, 4	2, 2, 4, 4	2, 2, 4, 2	I_2,I_2,I_4,I_4	**2** : 2, 5, 6
B4	1 0 0	−1175	15405	0	4	+ 2, 8, 1, 1	2, 8, 1, 1	2, 8, 1, 1	I_2,I_8,I_1,I_1	**2** : 2
B5	1 0 0	−3885	−93525	0	2	+ 1, 1, 8, 2	1, 1, 8, 2	1, 1, 8, 2	I_1,I_1,I_8,I_2	**2** : 3
B6	1 0 0	495	−7473	0	2	− 1, 1, 2, 8	1, 1, 2, 8	1, 1, 2, 2	I_1,I_1,I_2,I_8	**2** : 3
C1	1 1 1	255	255	0	4	− 16, 3, 1, 2	16, 3, 1, 2	16, 1, 1, 2	I_{16},I_3,I_1,I_2	**2** : 2
C2	1 1 1	−1025	767	0	8	+ 8, 6, 2, 4	8, 6, 2, 4	8, 2, 2, 4	I_8,I_6,I_2,I_4	**2** : 1, 3, 4
C3	1 1 1	−10705	−429025	0	4	+ 4, 12, 4, 2	4, 12, 4, 2	4, 2, 4, 2	I_4,I_{12},I_4,I_2	**2** : 2, 5, 6
C4	1 1 1	−11825	488927	0	4	+ 4, 3, 1, 8	4, 3, 1, 8	4, 1, 1, 8	I_4,I_3,I_1,I_8	**2** : 2
C5	1 1 1	−171085	−27308713	0	2	+ 2, 6, 8, 1	2, 6, 8, 1	2, 2, 8, 1	I_2,I_6,I_8,I_1	**2** : 3
C6	1 1 1	−5205	−862425	0	2	− 2, 24, 2, 1	2, 24, 2, 1	2, 2, 2, 1	I_2,I_{24},I_2,I_1	**2** : 3
D1	1 1 1	−40266	2921559	0	4	+ 28, 5, 4, 1	28, 5, 4, 1	28, 1, 2, 1	I_{28},I_5,I_4,I_1	**2** : 2
D2	1 1 1	−122186	−12872617	0	4	+14, 10, 8, 2	14, 10, 8, 2	14, 2, 2, 2	I_{14},I_{10},I_8,I_2	**2** : 1, 3, 4
D3	1 1 1	−1832906	−955821481	0	2	+ 7, 5, 16, 1	7, 5, 16, 1	7, 1, 2, 1	I_7,I_5,I_{16},I_1	**2** : 2
D4	1 1 1	277814	−79112617	0	2	− 7, 20, 4, 4	7, 20, 4, 4	7, 2, 2, 2	I_7,I_{20},I_4,I_4	**2** : 2
E1	1 1 0	−22	−44	1	2	+ 8, 1, 2, 1	8, 1, 2, 1	2, 1, 2, 1	I_8,I_1,I_2,I_1	**2** : 2
E2	1 1 0	−102	324	1	4	+ 4, 2, 4, 2	4, 2, 4, 2	2, 2, 4, 2	I_4,I_2,I_4,I_2	**2** : 1, 3, 4
E3	1 1 0	−1602	24024	1	4	+ 2, 1, 2, 4	2, 1, 2, 4	2, 1, 2, 4	I_2,I_1,I_2,I_4	**2** : 2
E4	1 1 0	118	1776	1	2	− 2, 4, 8, 1	2, 4, 8, 1	2, 2, 8, 1	I_2,I_4,I_8,I_1	**2** : 2
331		$N = 331 = 331$ (1 isogeny class)								**331**
A1	1 0 0	−5	4	1	1	− 1	1	1	I_1	
333		$N = 333 = 3^2 \cdot 37$ (4 isogeny classes)								**333**
A1	0 0 1	−30	−63	1	1	+ 6, 1	0, 1	1, 1	I_0^*,I_1	**3** : 2
A2	0 0 1	−210	1134	1	3	+ 6, 3	0, 3	1, 3	I_0^*,I_3	**3** : 1, 3
A3	0 0 1	−16860	842625	1	3	+ 6, 1	0, 1	1, 1	I_0^*,I_1	**3** : 2
B1	1 −1 0	12	35	1	2	− 9, 1	0, 1	2, 1	III^*,I_1	**2** : 2
B2	1 −1 0	−123	494	1	2	+ 9, 2	0, 2	2, 2	III^*,I_2	**2** : 1
C1	1 −1 1	1	−2	1	2	− 3, 1	0, 1	2, 1	III,I_1	**2** : 2
C2	1 −1 1	−14	−14	1	2	+ 3, 2	0, 2	2, 2	III,I_2	**2** : 1
D1	0 0 1	−9	−7	0	1	+ 6, 1	0, 1	1, 1	I_0^*,I_1	
334		$N = 334 = 2 \cdot 167$ (1 isogeny class)								**334**
A1	1 −1 1	−1	−1	0	1	− 1, 1	1, 1	1, 1	I_1,I_1	
335		$N = 335 = 5 \cdot 67$ (1 isogeny class)								**335**
A1	0 0 1	−2	2	1	1	− 2, 1	2, 1	2, 1	I_2,I_1	
336		$N = 336 = 2^4 \cdot 3 \cdot 7$ (6 isogeny classes)								**336**
A1	0 −1 0	7	0	0	2	− 4, 3, 2	0, 3, 2	1, 1, 2	II,I_3,I_2	**2** : 2; **3** : 3
A2	0 −1 0	−28	28	0	2	+ 8, 6, 1	0, 6, 1	1, 2, 1	I_0^*,I_6,I_1	**2** : 1; **3** : 4
A3	0 −1 0	−113	516	0	2	− 4, 1, 6	0, 1, 6	1, 1, 2	II,I_1,I_6	**2** : 4; **3** : 1
A4	0 −1 0	−1828	30700	0	2	+ 8, 2, 3	0, 2, 3	1, 2, 1	I_0^*,I_2,I_3	**2** : 3; **3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
336				$N = 336 = 2^4 \cdot 3 \cdot 7$ (continued)									**336**
B1	0	−1	0	−7	10	0	2	+	4, 1, 1	0, 1, 1	1, 1, 1	II,I_1,I_1	**2** : 2
B2	0	−1	0	−12	0	0	4	+	8, 2, 2	0, 2, 2	2, 2, 2	I_0^*,I_2,I_2	**2** : 1, 3, 4
B3	0	−1	0	−152	−672	0	2	+	10, 4, 1	0, 4, 1	2, 2, 1	I_2^*,I_4,I_1	**2** : 2
B4	0	−1	0	48	−48	0	4	−	10, 1, 4	0, 1, 4	4, 1, 4	I_2^*,I_1,I_4	**2** : 2
C1	0	1	0	−7	−52	0	2	−	4, 3, 4	0, 3, 4	1, 3, 2	II,I_3,I_4	**2** : 2
C2	0	1	0	−252	−1620	0	4	+	8, 6, 2	0, 6, 2	2, 6, 2	I_0^*,I_6,I_2	**2** : 1, 3, 4
C3	0	1	0	−4032	−99900	0	2	+	10, 3, 1	0, 3, 1	4, 3, 1	I_2^*,I_3,I_1	**2** : 2
C4	0	1	0	−392	228	0	4	+	10, 12, 1	0, 12, 1	2, 12, 1	I_2^*,I_{12},I_1	**2** : 2
D1	0	1	0	−64	−460	0	2	−	20, 2, 1	8, 2, 1	4, 2, 1	I_{12}^*,I_2,I_1	**2** : 2
D2	0	1	0	−1344	−19404	0	4	+	16, 4, 2	4, 4, 2	4, 4, 2	I_8^*,I_4,I_2	**2** : 1, 3, 4
D3	0	1	0	−21504	−1220940	0	2	+	14, 2, 1	2, 2, 1	2, 2, 1	I_6^*,I_2,I_1	**2** : 2
D4	0	1	0	−1664	−9804	0	8	+	14, 8, 4	2, 8, 4	4, 8, 4	I_6^*,I_8,I_4	**2** : 2, 5, 6
D5	0	1	0	−14624	669300	0	8	+	13, 4, 8	1, 4, 8	4, 4, 8	I_5^*,I_4,I_8	**2** : 4
D6	0	1	0	6176	−69388	0	4	−	13, 16, 2	1, 16, 2	2, 16, 2	I_5^*,I_{16},I_2	**2** : 4
E1	0	−1	0	16	0	1	2	−	12, 2, 1	0, 2, 1	4, 2, 1	I_4^*,I_2,I_1	**2** : 2
E2	0	−1	0	−64	64	1	4	+	12, 4, 2	0, 4, 2	4, 2, 2	I_4^*,I_4,I_2	**2** : 1, 3, 4
E3	0	−1	0	−624	−5760	1	2	+	12, 8, 1	0, 8, 1	2, 2, 1	I_4^*,I_8,I_1	**2** : 2
E4	0	−1	0	−784	8704	1	8	+	12, 2, 4	0, 2, 4	4, 2, 4	I_4^*,I_2,I_4	**2** : 2, 5, 6
E5	0	−1	0	−12544	544960	1	4	+	12, 1, 2	0, 1, 2	2, 1, 2	I_4^*,I_1,I_2	**2** : 4
E6	0	−1	0	−544	13888	1	4	−	12, 1, 8	0, 1, 8	4, 1, 8	I_4^*,I_1,I_8	**2** : 4
F1	0	1	0	−1	2	0	2	−	4, 1, 2	0, 1, 2	1, 1, 2	II,I_1,I_2	**2** : 2
F2	0	1	0	−36	72	0	2	+	8, 2, 1	0, 2, 1	1, 2, 1	I_0^*,I_2,I_1	**2** : 1
338				$N = 338 = 2 \cdot 13^2$ (6 isogeny classes)									**338**
A1	1	−1	0	1	1	1	1	−	2, 2	2, 0	2, 1	I_2,II	**7** : 2
A2	1	−1	0	−389	−2859	1	1	−	14, 2	14, 0	2, 1	I_{14},II	**7** : 1
B1	1	−1	1	137	2643	0	1	−	2, 8	2, 0	2, 1	I_2,IV*	**7** : 2
B2	1	−1	1	−65773	−6478507	0	1	−	14, 8	14, 0	14, 1	I_{14},IV*	**7** : 1
C1	1	0	0	81	467	0	1	−	1, 7	1, 1	1, 2	I_1,I_1^*	**3** : 2
C2	1	0	0	−764	−16264	0	1	−	3, 9	3, 3	3, 2	I_3,I_3^*	**3** : 1, 3
C3	1	0	0	−77659	−8336303	0	1	−	9, 7	9, 1	9, 2	I_9,I_1^*	**3** : 2
D1	1	1	0	504	−13112	0	1	−	3, 9	3, 0	1, 2	I_3,III*	**5** : 2
D2	1	1	0	−54421	4945517	0	1	−	15, 9	15, 0	1, 2	I_{15},III*	**5** : 1
E1	1	1	1	3	−5	1	1	−	3, 3	3, 0	3, 2	I_3,III	**5** : 2
E2	1	1	1	−322	2127	1	1	−	15, 3	15, 0	15, 2	I_{15},III	**5** : 1
F1	1	−1	0	−454	5812	1	1	−	7, 7	7, 1	1, 4	I_7,I_1^*	**7** : 2
F2	1	−1	0	−35944	−2868878	1	1	−	1, 13	1, 7	1, 4	I_1,I_7^*	**7** : 1
339				$N = 339 = 3 \cdot 113$ (3 isogeny classes)									**339**
A1	0	1	1	−441	3422	1	1	−	9, 1	9, 1	9, 1	I_9,I_1	
B1	0	−1	1	−112	501	0	1	−	9, 1	9, 1	1, 1	I_9,I_1	
C1	0	1	1	−2	2	1	1	−	3, 1	3, 1	3, 1	I_3,I_1	
340				$N = 340 = 2^2 \cdot 5 \cdot 17$ (1 isogeny class)									**340**
A1	0	0	0	−28	57	1	2	+	4, 1, 1	0, 1, 1	3, 1, 1	IV,I_1,I_1	**2** : 2
A2	0	0	0	−23	78	1	2	−	8, 2, 2	0, 2, 2	3, 2, 2	IV*,I_2,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

342 $N = 342 = 2 \cdot 3^2 \cdot 19$ (7 isogeny classes) 342

A1	1	−1	1	−140	−601	0	1	−	3, 6, 1	3, 0, 1	3, 1, 1	I_3,I_0^*,I_1	**3** : 2
A2	1	−1	1	85	−2437	0	3	−	9, 6, 3	9, 0, 3	9, 1, 3	I_9,I_0^*,I_3	**3** : 1, 3
A3	1	−1	1	−770	66305	0	3	−	27, 6, 1	27, 0, 1	27, 1, 1	I_{27},I_0^*,I_1	**3** : 2
B1	1	−1	1	−860	9915	0	2	+	2, 11, 1	2, 5, 1	2, 2, 1	I_2,I_5^*,I_1	**2** : 2
B2	1	−1	1	−770	12003	0	2	−	1, 16, 2	1, 10, 2	1, 4, 2	I_1,I_{10}^*,I_2	**2** : 1
C1	1	−1	0	−72	0	1	2	+	6, 9, 1	6, 3, 1	2, 4, 1	I_6,I_3^*,I_1	**2** : 2; **3** : 3
C2	1	−1	0	288	−216	1	2	−	3, 12, 2	3, 6, 2	1, 4, 2	I_3,I_6^*,I_2	**2** : 1; **3** : 4
C3	1	−1	0	−3852	92988	1	6	+	2, 7, 3	2, 1, 3	2, 4, 3	I_2,I_1^*,I_3	**2** : 4; **3** : 1
C4	1	−1	0	−3762	97470	1	6	−	1, 8, 6	1, 2, 6	1, 4, 6	I_1,I_2^*,I_6	**2** : 3; **3** : 2
D1	1	−1	1	−29	1	0	2	+	2, 9, 1	2, 0, 1	2, 2, 1	I_2,III*,I_1	**2** : 2
D2	1	−1	1	−299	2053	0	2	+	1, 9, 2	1, 0, 2	1, 2, 2	I_1,III*,I_2	**2** : 1
E1	1	−1	0	−3	1	1	2	+	2, 3, 1	2, 0, 1	2, 2, 1	I_2,III,I_1	**2** : 2
E2	1	−1	0	−33	−65	1	2	+	1, 3, 2	1, 0, 2	1, 2, 2	I_1,III,I_2	**2** : 1
F1	1	−1	0	−3168	62464	0	2	+	20, 9, 1	20, 3, 1	2, 2, 1	I_{20},I_3^*,I_1	**2** : 2
F2	1	−1	0	−49248	4218880	0	4	+	10, 12, 2	10, 6, 2	2, 4, 2	I_{10},I_6^*,I_2	**2** : 1, 3, 4
F3	1	−1	0	−787968	269419360	0	2	+	5, 9, 1	5, 3, 1	1, 4, 1	I_5,I_3^*,I_1	**2** : 2
F4	1	−1	0	−47808	4476064	0	2	−	5, 18, 4	5, 12, 4	1, 4, 2	I_5,I_{12}^*,I_4	**2** : 2
G1	1	−1	0	0	−32	0	1	−	5, 6, 1	5, 0, 1	1, 1, 1	I_5,I_0^*,I_1	**5** : 2
G2	1	−1	0	−630	6898	0	1	−	1, 6, 5	1, 0, 5	1, 1, 1	I_1,I_0^*,I_5	**5** : 1

344 $N = 344 = 2^3 \cdot 43$ (1 isogeny class) 344

A1	0	0	0	4	4	1	1	−	8, 1	0, 1	2, 1	I_1^*,I_1	

345 $N = 345 = 3 \cdot 5 \cdot 23$ (6 isogeny classes) 345

A1	0	−1	1	−731	−7369	0	1	−	2, 5, 1	2, 5, 1	2, 1, 1	I_2,I_5,I_1	
B1	0	1	1	−1	1	1	1	−	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	
C1	1	0	1	456	2401	0	2	−	5, 3, 4	5, 3, 4	5, 1, 2	I_5,I_3,I_4	**2** : 2
C2	1	0	1	−2189	20387	0	4	+	10, 6, 2	10, 6, 2	10, 2, 2	I_{10},I_6,I_2	**2** : 1, 3, 4
C3	1	0	1	−16564	−807613	0	2	+	20, 3, 1	20, 3, 1	20, 1, 1	I_{20},I_3,I_1	**2** : 2
C4	1	0	1	−30134	2010071	0	2	+	5, 12, 1	5, 12, 1	5, 2, 1	I_5,I_{12},I_1	**2** : 2
D1	1	0	0	9	0	0	4	−	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	**2** : 2
D2	1	0	0	−36	−9	0	4	+	2, 4, 2	2, 4, 2	2, 2, 2	I_2,I_4,I_2	**2** : 1, 3, 4
D3	1	0	0	−411	−3234	0	2	+	1, 2, 4	1, 2, 4	1, 2, 2	I_1,I_2,I_4	**2** : 2
D4	1	0	0	−381	2820	0	2	+	1, 8, 1	1, 8, 1	1, 2, 1	I_1,I_8,I_1	**2** : 2
E1	0	−1	1	30	−97	0	1	−	4, 1, 3	4, 1, 3	2, 1, 1	I_4,I_1,I_3	
F1	0	1	1	−100	406	1	1	−	8, 3, 1	8, 3, 1	8, 3, 1	I_8,I_3,I_1	

346 $N = 346 = 2 \cdot 173$ (2 isogeny classes) 346

A1	1	0	0	−16	−26	0	1	+	1, 1	1, 1	1, 1	I_1,I_1	
B1	1	1	1	−7	−3	1	1	+	7, 1	7, 1	7, 1	I_7,I_1	

347 $N = 347 = 347$ (1 isogeny class) 347

A1	0	1	1	2	0	1	1	−	1	1	1	I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
348				$N = 348 = 2^2 \cdot 3 \cdot 29$ (4 isogeny classes)								**348**
A1	0	−1	0	2	1	1	1	− 4, 1, 1	0, 1, 1	3, 1, 1	IV,I_1,I_1	
B1	0	1	0	−2	−3	0	1	− 4, 1, 1	0, 1, 1	1, 1, 1	IV,I_1,I_1	
C1	0	−1	0	−94	3973	0	1	− 4, 15, 1	0, 15, 1	1, 1, 1	IV,I_{15},I_1	
D1	0	1	0	−50	129	1	1	− 4, 7, 1	0, 7, 1	3, 7, 1	IV,I_7,I_1	
350				$N = 350 = 2 \cdot 5^2 \cdot 7$ (6 isogeny classes)								**350**
A1	1	−1	0	58	−284	0	2	− 4, 8, 1	4, 2, 1	2, 2, 1	I_4,I_2^*,I_1	**2** : 2
A2	1	−1	0	−442	−2784	0	4	+ 2, 10, 2	2, 4, 2	2, 4, 2	I_2,I_4^*,I_2	**2** : 1, 3, 4
A3	1	−1	0	−6692	−209034	0	2	+ 1, 8, 4	1, 2, 4	1, 2, 4	I_1,I_2^*,I_4	**2** : 2
A4	1	−1	0	−2192	37466	0	2	+ 1, 14, 1	1, 8, 1	1, 4, 1	I_1,I_8^*,I_1	**2** : 2
B1	1	0	0	112	392	0	3	− 3, 8, 2	3, 0, 2	3, 3, 2	I_3,IV*,I_2	**3** : 2
B2	1	0	0	−1138	−20858	0	1	− 1, 8, 6	1, 0, 6	1, 1, 6	I_1,IV*,I_6	**3** : 1
C1	1	1	0	5	5	1	1	− 3, 2, 2	3, 0, 2	1, 1, 2	I_3,II,I_2	**3** : 2
C2	1	1	0	−45	−185	1	1	− 1, 2, 6	1, 0, 6	1, 1, 2	I_1,II,I_6	**3** : 1
D1	1	1	1	−13	31	0	2	− 2, 6, 1	2, 0, 1	2, 2, 1	I_2,I_0^*,I_1	**2** : 2; **3** : 3
D2	1	1	1	−263	1531	0	2	+ 1, 6, 2	1, 0, 2	1, 2, 2	I_1,I_0^*,I_2	**2** : 1; **3** : 4
D3	1	1	1	112	−719	0	2	− 6, 6, 3	6, 0, 3	6, 2, 1	I_6,I_0^*,I_3	**2** : 4; **3** : 1, 5
D4	1	1	1	−888	−8719	0	2	+ 3, 6, 6	3, 0, 6	3, 2, 2	I_3,I_0^*,I_6	**2** : 3; **3** : 2, 6
D5	1	1	1	−4263	−109219	0	2	− 18, 6, 1	18, 0, 1	18, 2, 1	I_{18},I_0^*,I_1	**2** : 6; **3** : 3
D6	1	1	1	−68263	−6893219	0	2	+ 9, 6, 2	9, 0, 2	9, 2, 2	I_9,I_0^*,I_2	**2** : 5; **3** : 4
E1	1	−1	0	−4492	126416	0	1	− 11, 10, 2	11, 0, 2	1, 1, 2	I_{11},II*,I_2	
F1	1	−1	1	−180	1047	1	1	− 11, 4, 2	11, 0, 2	11, 3, 2	I_{11},IV,I_2	
352				$N = 352 = 2^5 \cdot 11$ (6 isogeny classes)								**352**
A1	0	1	0	−45	−133	0	1	− 12, 1	0, 1	2, 1	III*,I_1	
B1	0	1	0	3	11	1	1	− 12, 1	0, 1	2, 1	III*,I_1	
C1	0	−1	0	−45	133	1	1	− 12, 1	0, 1	2, 1	III*,I_1	
D1	0	−1	0	3	−11	1	1	− 12, 1	0, 1	2, 1	III*,I_1	
E1	0	0	0	8	−112	0	1	− 12, 3	0, 3	2, 1	III*,I_3	
F1	0	0	0	8	112	1	1	− 12, 3	0, 3	2, 3	III*,I_3	
353				$N = 353 = 353$ (1 isogeny class)								**353**
A1	1	1	1	−2	16	0	2	− 2	2	2	I_2	**2** : 2
A2	1	1	1	−7	4	0	2	+ 1	1	1	I_1	**2** : 1
354				$N = 354 = 2 \cdot 3 \cdot 59$ (6 isogeny classes)								**354**
A1	1	1	1	−3	−3	0	2	+ 2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
A2	1	1	1	7	−7	0	2	− 1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
B1	1	0	1	9	−8	0	3	− 1, 6, 1	1, 6, 1	1, 6, 1	I_1,I_6,I_1	**3** : 2
B2	1	0	1	−216	−1250	0	1	− 3, 2, 3	3, 2, 3	1, 2, 1	I_3,I_2,I_3	**3** : 1
C1	1	1	0	−715	7069	1	1	− 5, 6, 1	5, 6, 1	1, 2, 1	I_5,I_6,I_1	
D1	1	1	0	−34	−92	0	2	+ 4, 3, 1	4, 3, 1	2, 1, 1	I_4,I_3,I_1	**2** : 2
D2	1	1	0	−54	0	0	4	+ 2, 6, 2	2, 6, 2	2, 2, 2	I_2,I_6,I_2	**2** : 1, 3, 4
D3	1	1	0	−644	6018	0	2	+ 1, 12, 1	1, 12, 1	1, 2, 1	I_1,I_{12},I_1	**2** : 2
D4	1	1	0	216	270	0	2	− 1, 3, 4	1, 3, 4	1, 1, 4	I_1,I_3,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
354							$N = 354 = 2 \cdot 3 \cdot 59$ (continued)						**354**
E1	1	1	1	−23511	−1393299	0	2	+	22, 9, 1	22, 9, 1	22, 1, 1	I_{22},I_9,I_1	**2** : 2
E2	1	1	1	−13271	−2601619	0	2	−	11, 18, 2	11, 18, 2	11, 2, 2	I_{11},I_{18},I_2	**2** : 1
F1	1	1	1	−5	11	1	1	−	7, 2, 1	7, 2, 1	7, 2, 1	I_7,I_2,I_1	
355							$N = 355 = 5 \cdot 71$ (1 isogeny class)						**355**
A1	0	1	1	5	−1	0	3	−	3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
A2	0	1	1	−95	−396	0	1	−	1, 3	1, 3	1, 1	I_1,I_3	**3** : 1
356							$N = 356 = 2^2 \cdot 89$ (1 isogeny class)						**356**
A1	0	−1	0	4	−8	1	1	−	8, 1	0, 1	3, 1	IV^*,I_1	
357							$N = 357 = 3 \cdot 7 \cdot 17$ (4 isogeny classes)						**357**
A1	0	−1	1	3565	72914	0	1	−	17, 4, 1	17, 4, 1	1, 2, 1	I_{17},I_4,I_1	
B1	0	−1	1	−5	−16	1	1	−	1, 4, 1	1, 4, 1	1, 4, 1	I_1,I_4,I_1	
C1	0	1	1	20	−17	0	1	−	1, 2, 3	1, 2, 3	1, 2, 1	I_1,I_2,I_3	
D1	0	1	1	−42	110	1	1	−	7, 2, 1	7, 2, 1	7, 2, 1	I_7,I_2,I_1	
358							$N = 358 = 2 \cdot 179$ (2 isogeny classes)						**358**
A1	1	1	0	55	197	0	1	−	17, 1	17, 1	1, 1	I_{17},I_1	
B1	1	0	0	−18	28	0	3	−	3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
B2	1	0	0	32	150	0	1	−	1, 3	1, 3	1, 1	I_1,I_3	**3** : 1
359							$N = 359 = 359$ (2 isogeny classes)						**359**
A1	1	0	1	−23	39	1	1	+	1	1	1	I_1	
B1	1	−1	1	−7	8	1	1	+	1	1	1	I_1	
360							$N = 360 = 2^3 \cdot 3^2 \cdot 5$ (5 isogeny classes)						**360**
A1	0	0	0	−138	−623	0	2	+	4, 8, 1	0, 2, 1	2, 2, 1	III,I_2^*,I_1	**2** : 2
A2	0	0	0	−183	−182	0	4	+	8, 10, 2	0, 4, 2	2, 4, 2	I_1^*,I_4^*,I_2	**2** : 1, 3, 4
A3	0	0	0	−1803	29302	0	4	+	10, 8, 4	0, 2, 4	2, 4, 2	III^*,I_2^*,I_4	**2** : 2, 5, 6
A4	0	0	0	717	−1442	0	2	−	10, 14, 1	0, 8, 1	2, 4, 1	III^*,I_8^*,I_1	**2** : 2
A5	0	0	0	−28803	1881502	0	2	+	11, 7, 2	0, 1, 2	1, 2, 2	II^*,I_1^*,I_2	**2** : 3
A6	0	0	0	−723	64078	0	2	−	11, 7, 8	0, 1, 8	1, 4, 2	II^*,I_1^*,I_8	**2** : 3
B1	0	0	0	−3	−18	0	2	−	10, 3, 1	0, 0, 1	2, 2, 1	III^*,III,I_1	**2** : 2
B2	0	0	0	−123	−522	0	2	+	11, 3, 2	0, 0, 2	1, 2, 2	II^*,III,I_2	**2** : 1
C1	0	0	0	−27	486	0	2	−	10, 9, 1	0, 0, 1	2, 2, 1	III^*,III^*,I_1	**2** : 2
C2	0	0	0	−1107	14094	0	2	+	11, 9, 2	0, 0, 2	1, 2, 2	II^*,III^*,I_2	**2** : 1
D1	0	0	0	33	34	0	4	−	8, 7, 1	0, 1, 1	4, 4, 1	I_1^*,I_1^*,I_1	**2** : 2
D2	0	0	0	−147	286	0	4	+	10, 8, 2	0, 2, 2	2, 4, 2	III^*,I_2^*,I_2	**2** : 1, 3, 4
D3	0	0	0	−1227	−16346	0	2	+	11, 7, 4	0, 1, 4	1, 2, 4	II^*,I_1^*,I_4	**2** : 2
D4	0	0	0	−1947	33046	0	2	+	11, 10, 1	0, 4, 1	1, 4, 1	II^*,I_4^*,I_1	**2** : 2
E1	0	0	0	−18	−27	1	2	+	4, 6, 1	0, 0, 1	2, 2, 1	III,I_0^*,I_1	**2** : 2
E2	0	0	0	−63	162	1	4	+	8, 6, 2	0, 0, 2	4, 4, 2	I_1^*,I_0^*,I_2	**2** : 1, 3, 4
E3	0	0	0	−963	11502	1	2	+	10, 6, 1	0, 0, 1	2, 2, 1	III^*,I_0^*,I_1	**2** : 2
E4	0	0	0	117	918	1	2	−	10, 6, 4	0, 0, 4	2, 2, 2	III^*,I_0^*,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
361					$N = 361 = 19^2$		(2 isogeny classes)						**361**
A1	0	0	1	−38	90	1	1	−	3	0	2	III	**19** : 2
A2	0	0	1	−13718	−619025	1	1	−	9	0	2	III*	**19** : 1
B1	0	−1	1	241	−17	0	1	−	7	1	2	I_1^*	**3** : 2
B2	0	−1	1	−3369	81208	0	1	−	9	3	2	I_3^*	**3** : 1, 3
B3	0	−1	1	−277729	56427893	0	1	−	7	1	2	I_1^*	**3** : 2
362					$N = 362 = 2 \cdot 181$		(2 isogeny classes)						**362**
A1	1	1	0	−4	2	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	
B1	1	1	1	6	7	1	1	−	7, 1	7, 1	7, 1	I_7,I_1	
363					$N = 363 = 3 \cdot 11^2$		(3 isogeny classes)						**363**
A1	1	1	1	−789	8130	0	4	+	3, 7	3, 1	1, 4	I_3,I_1^*	**2** : 2
A2	1	1	1	−1394	−6874	0	4	+	6, 8	6, 2	2, 4	I_6,I_2^*	**2** : 1, 3, 4
A3	1	1	1	−17729	−915100	0	2	+	3, 10	3, 4	1, 4	I_3,I_4^*	**2** : 2
A4	1	1	1	5261	−46804	0	2	−	12, 7	12, 1	2, 2	I_{12},I_1^*	**2** : 2
B1	0	−1	1	4	−1	0	1	−	3, 2	3, 0	1, 1	I_3,II	
C1	0	−1	1	444	−826	0	1	−	3, 8	3, 0	1, 1	I_3,IV*	
364					$N = 364 = 2^2 \cdot 7 \cdot 13$		(2 isogeny classes)						**364**
A1	0	0	0	−584	5444	1	1	−	8, 5, 1	0, 5, 1	3, 5, 1	IV*,I_5,I_1	
B1	0	1	0	−5	7	1	1	−	8, 1, 1	0, 1, 1	3, 1, 1	IV*,I_1,I_1	
366					$N = 366 = 2 \cdot 3 \cdot 61$		(7 isogeny classes)						**366**
A1	1	0	0	−205	−1147	0	1	−	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	
B1	1	0	0	−5	33	0	5	−	5, 5, 1	5, 5, 1	5, 5, 1	I_5,I_5,I_1	**5** : 2
B2	1	0	0	−515	−5697	0	1	−	1, 1, 5	1, 1, 5	1, 1, 5	I_1,I_1,I_5	**5** : 1
C1	1	0	1	−913	−10780	0	1	−	19, 3, 1	19, 3, 1	1, 3, 1	I_{19},I_3,I_1	
D1	1	1	1	−7096	−233095	0	1	−	7, 13, 1	7, 13, 1	7, 1, 1	I_7,I_{13},I_1	
E1	1	1	0	−1	−11	0	2	−	8, 1, 1	8, 1, 1	2, 1, 1	I_8,I_1,I_1	**2** : 2
E2	1	1	0	−81	−315	0	4	+	4, 2, 2	4, 2, 2	2, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
E3	1	1	0	−1301	−18615	0	2	+	2, 4, 1	2, 4, 1	2, 2, 1	I_2,I_4,I_1	**2** : 2
E4	1	1	0	−141	129	0	4	+	2, 1, 4	2, 1, 4	2, 1, 4	I_2,I_1,I_4	**2** : 2
F1	1	0	1	−5	20	1	3	−	2, 6, 1	2, 6, 1	2, 6, 1	I_2,I_6,I_1	**3** : 2
F2	1	0	1	40	−538	1	1	−	6, 2, 3	6, 2, 3	2, 2, 3	I_6,I_2,I_3	**3** : 1
G1	1	1	1	−32	65	1	1	−	10, 2, 1	10, 2, 1	10, 2, 1	I_{10},I_2,I_1	
368					$N = 368 = 2^4 \cdot 23$		(7 isogeny classes)						**368**
A1	0	0	0	5	−6	1	2	−	10, 1	0, 1	4, 1	I_2^*,I_1	**2** : 2
A2	0	0	0	−35	−62	1	2	+	11, 2	0, 2	4, 2	I_3^*,I_2	**2** : 1
B1	0	0	0	−163	930	0	2	−	22, 1	10, 1	4, 1	I_{14}^*,I_1	**2** : 2
B2	0	0	0	−2723	54690	0	2	+	17, 2	5, 2	2, 2	I_9^*,I_2	**2** : 1
C1	0	1	0	−4	−5	0	1	−	4, 1	0, 1	1, 1	II,I_1	
D1	0	1	0	0	−1	1	1	−	4, 1	0, 1	1, 1	II,I_1	
E1	0	−1	0	2	−1	1	1	−	4, 1	0, 1	1, 1	II,I_1	**3** : 2
E2	0	−1	0	−18	43	1	1	−	4, 3	0, 3	1, 3	II,I_3	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
368					$N = 368 = 2^4 \cdot 23$ (continued)								**368**
F1	0	0	0	−1	−1	0	1	−	4, 1	0, 1	1, 1	II,I_1	
G1	0	0	0	−55	157	1	1	−	4, 1	0, 1	1, 1	II,I_1	
369					$N = 369 = 3^2 \cdot 41$ (2 isogeny classes)								**369**
A1	0	0	1	6	13	1	1	−	7, 1	1, 1	2, 1	I_1^*,I_1	
B1	0	0	1	−93	−369	0	1	−	11, 1	5, 1	4, 1	I_5^*,I_1	**5** : 2
B2	0	0	1	177	24201	0	1	−	7, 5	1, 5	4, 1	I_1^*,I_5	**5** : 1
370					$N = 370 = 2 \cdot 5 \cdot 37$ (4 isogeny classes)								**370**
A1	1	−1	0	−5	5	1	2	+	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
A2	1	−1	0	−25	−39	1	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
A3	1	−1	0	−395	−2925	1	2	+	1, 4, 1	1, 4, 1	1, 2, 1	I_1,I_4,I_1	**2** : 2
A4	1	−1	0	25	−209	1	2	−	1, 1, 4	1, 1, 4	1, 1, 2	I_1,I_1,I_4	**2** : 2
B1	1	1	0	13	−19	0	1	−	11, 1, 1	11, 1, 1	1, 1, 1	I_{11},I_1,I_1	
C1	1	0	1	−19	342	0	3	−	3, 3, 3	3, 3, 3	1, 1, 3	I_3,I_3,I_3	**3** : 2, 3
C2	1	0	1	166	−9204	0	1	−	9, 9, 1	9, 9, 1	1, 1, 1	I_9,I_9,I_1	**3** : 1
C3	1	0	1	−54	146	0	3	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**3** : 1
D1	1	0	0	−75	−143	0	6	+	12, 3, 1	12, 3, 1	12, 3, 1	I_{12},I_3,I_1	**2** : 2; **3** : 3
D2	1	0	0	245	−975	0	6	−	6, 6, 2	6, 6, 2	6, 6, 2	I_6,I_6,I_2	**2** : 1; **3** : 4
D3	1	0	0	−5275	−147903	0	2	+	4, 1, 3	4, 1, 3	4, 1, 3	I_4,I_1,I_3	**2** : 4; **3** : 1
D4	1	0	0	−5255	−149075	0	2	−	2, 2, 6	2, 2, 6	2, 2, 6	I_2,I_2,I_6	**2** : 3; **3** : 2
371					$N = 371 = 7 \cdot 53$ (2 isogeny classes)								**371**
A1	1	1	0	−35	−98	1	1	−	4, 1	4, 1	2, 1	I_4,I_1	
B1	0	0	1	−31	−67	0	1	−	3, 1	3, 1	3, 1	I_3,I_1	
372					$N = 372 = 2^2 \cdot 3 \cdot 31$ (4 isogeny classes)								**372**
A1	0	−1	0	−6	9	1	1	−	4, 2, 1	0, 2, 1	3, 2, 1	IV,I_2,I_1	
B1	0	1	0	−9	12	0	2	−	4, 1, 2	0, 1, 2	1, 1, 2	IV,I_1,I_2	**2** : 2
B2	0	1	0	−164	756	0	2	+	8, 2, 1	0, 2, 1	1, 2, 1	IV^*,I_2,I_1	**2** : 1
C1	0	1	0	−3054	−69327	0	3	−	4, 18, 1	0, 18, 1	3, 18, 1	IV,I_{18},I_1	**3** : 2
C2	0	1	0	−250914	−48460347	0	1	−	4, 6, 3	0, 6, 3	1, 6, 3	IV,I_6,I_3	**3** : 1
D1	0	1	0	−2	9	1	1	−	4, 4, 1	0, 4, 1	3, 4, 1	IV,I_4,I_1	
373					$N = 373 = 373$ (1 isogeny class)								**373**
A1	0	1	1	−2	−2	1	1	+	1	1	1	I_1	
374					$N = 374 = 2 \cdot 11 \cdot 17$ (1 isogeny class)								**374**
A1	1	−1	0	−32	0	1	2	+	10, 2, 1	10, 2, 1	2, 2, 1	I_{10},I_2,I_1	**2** : 2
A2	1	−1	0	128	−96	1	2	−	5, 4, 2	5, 4, 2	1, 2, 2	I_5,I_4,I_2	**2** : 1
377					$N = 377 = 13 \cdot 29$ (1 isogeny class)								**377**
A1	1	−1	0	−8	11	1	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
A2	1	−1	0	−13	0	1	4	+	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1, 3, 4
A3	1	−1	0	−158	−725	1	2	+	4, 1	4, 1	4, 1	I_4,I_1	**2** : 2
A4	1	−1	0	52	−39	1	4	−	1, 4	1, 4	1, 4	I_1,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
378							$N = 378 = 2 \cdot 3^3 \cdot 7$ (8 isogeny classes)						**378**
A1	1	−1	1	10	5	0	3	−	9, 3, 1	9, 0, 1	9, 1, 1	I_9,II,I_1	**3** : 2
A2	1	−1	1	−110	−539	0	3	−	3, 9, 3	3, 0, 3	3, 3, 3	I_3,IV^*,I_3	**3** : 1, 3
A3	1	−1	1	−9560	−357371	0	1	−	1, 11, 1	1, 0, 1	1, 1, 1	I_1,II^*,I_1	**3** : 2
B1	1	−1	0	−12	24	0	3	−	3, 3, 3	3, 0, 3	1, 1, 3	I_3,II,I_3	**3** : 2, 3
B2	1	−1	0	93	−235	0	1	−	9, 9, 1	9, 0, 1	1, 1, 1	I_9,IV^*,I_1	**3** : 1
B3	1	−1	0	−1062	13590	0	3	−	1, 5, 1	1, 0, 1	1, 3, 1	I_1,IV,I_1	**3** : 1
C1	1	−1	1	−2	−107	0	1	−	2, 11, 1	2, 0, 1	2, 1, 1	I_2,II^*,I_1	
D1	1	−1	0	0	4	1	1	−	2, 5, 1	2, 0, 1	2, 3, 1	I_2,IV,I_1	
E1	1	−1	1	−11	−37	0	3	−	6, 3, 3	6, 0, 3	6, 1, 3	I_6,II,I_3	**3** : 2, 3
E2	1	−1	1	−1271	−17117	0	1	−	2, 9, 1	2, 0, 1	2, 3, 1	I_2,IV^*,I_1	**3** : 1
E3	1	−1	1	94	929	0	3	−	18, 5, 1	18, 0, 1	18, 1, 1	I_{18},IV,I_1	**3** : 1
F1	1	−1	0	−141	681	1	3	−	2, 3, 1	2, 0, 1	2, 1, 1	I_2,II,I_1	**3** : 2
F2	1	−1	0	−96	1088	1	3	−	6, 9, 3	6, 0, 3	2, 3, 3	I_6,IV^*,I_3	**3** : 1, 3
F3	1	−1	0	849	−25939	1	1	−	18, 11, 1	18, 0, 1	2, 1, 1	I_{18},II^*,I_1	**3** : 2
G1	1	−1	1	3967	38449	0	1	−	5, 11, 7	5, 0, 7	5, 1, 1	I_5,II^*,I_7	
H1	1	−1	0	441	−1571	0	1	−	5, 5, 7	5, 0, 7	1, 1, 1	I_5,IV,I_7	
380							$N = 380 = 2^2 \cdot 5 \cdot 19$ (2 isogeny classes)						**380**
A1	0	0	0	−8	−3	1	2	+	4, 1, 2	0, 1, 2	1, 1, 2	IV,I_1,I_2	**2** : 2
A2	0	0	0	−103	−402	1	2	+	8, 2, 1	0, 2, 1	1, 2, 1	IV^*,I_2,I_1	**2** : 1
B1	0	−1	0	−921	10346	0	2	+	4, 5, 4	0, 5, 4	3, 1, 2	IV,I_5,I_4	**2** : 2
B2	0	−1	0	884	44280	0	2	−	8, 10, 2	0, 10, 2	3, 2, 2	IV^*,I_{10},I_2	**2** : 1
381							$N = 381 = 3 \cdot 127$ (2 isogeny classes)						**381**
A1	0	1	1	−11	−16	1	1	+	5, 1	5, 1	5, 1	I_5,I_1	
B1	0	1	1	−4	−5	0	1	+	1, 1	1, 1	1, 1	I_1,I_1	
384							$N = 384 = 2^7 \cdot 3$ (8 isogeny classes)						**384**
A1	0	1	0	−3	−3	0	2	+	8, 1	0, 1	2, 1	III,I_1	**2** : 2
A2	0	1	0	7	−9	0	2	−	13, 2	0, 2	2, 2	I_2^*,I_2	**2** : 1
B1	0	−1	0	2	−2	0	2	−	7, 2	0, 2	1, 2	II,I_2	**2** : 2
B2	0	−1	0	−13	−11	0	2	+	14, 1	0, 1	2, 1	III^*,I_1	**2** : 1
C1	0	1	0	2	2	0	2	−	7, 2	0, 2	1, 2	II,I_2	**2** : 2
C2	0	1	0	−13	11	0	2	+	14, 1	0, 1	2, 1	III^*,I_1	**2** : 1
D1	0	−1	0	−3	3	1	2	+	8, 1	0, 1	2, 1	III,I_1	**2** : 2
D2	0	−1	0	7	9	1	2	−	13, 2	0, 2	4, 2	I_2^*,I_2	**2** : 1
E1	0	1	0	−6	−18	0	2	−	7, 6	0, 6	1, 6	II,I_6	**2** : 2
E2	0	1	0	−141	−693	0	2	+	14, 3	0, 3	2, 3	III^*,I_3	**2** : 1
F1	0	−1	0	−6	18	0	2	−	7, 6	0, 6	1, 2	II,I_6	**2** : 2
F2	0	−1	0	−141	693	0	2	+	14, 3	0, 3	2, 1	III^*,I_3	**2** : 1
G1	0	−1	0	−35	−69	0	2	+	8, 3	0, 3	2, 1	III,I_3	**2** : 2
G2	0	−1	0	−25	−119	0	2	−	13, 6	0, 6	2, 2	I_2^*,I_6	**2** : 1
H1	0	1	0	−35	69	1	2	+	8, 3	0, 3	2, 3	III,I_3	**2** : 2
H2	0	1	0	−25	119	1	2	−	13, 6	0, 6	4, 6	I_2^*,I_6	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

385 $N = 385 = 5 \cdot 7 \cdot 11$ (2 isogeny classes) 385

A1	1	−1	1	−37	124	1	4	−	2, 1, 4	2, 1, 4	2, 1, 4	I_2,I_1,I_4	**2** : 2
A2	1	−1	1	−642	6416	1	4	+	4, 2, 2	4, 2, 2	4, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
A3	1	−1	1	−697	5294	1	2	+	8, 4, 1	8, 4, 1	8, 2, 1	I_8,I_4,I_1	**2** : 2
A4	1	−1	1	−10267	402966	1	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
B1	1	0	0	0	7	1	2	−	2, 1, 2	2, 1, 2	2, 1, 2	I_2,I_1,I_2	**2** : 2
B2	1	0	0	−55	150	1	2	+	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	**2** : 1

387 $N = 387 = 3^2 \cdot 43$ (5 isogeny classes) 387

A1	0	0	1	−174	−887	0	1	−	10, 1	4, 1	2, 1	I_4^*,I_1	
B1	1	−1	0	−15	−46	1	1	−	9, 1	0, 1	2, 1	III^*,I_1	
C1	1	−1	1	−2	2	1	1	−	3, 1	0, 1	2, 1	III,I_1	
D1	1	−1	1	−221	1316	0	4	+	9, 1	3, 1	4, 1	I_3^*,I_1	**2** : 2
D2	1	−1	1	−266	776	0	4	+	12, 2	6, 2	4, 2	I_6^*,I_2	**2** : 1, 3, 4
D3	1	−1	1	−2201	−38698	0	2	+	18, 1	12, 1	4, 1	I_{12}^*,I_1	**2** : 2
D4	1	−1	1	949	5150	0	2	−	9, 4	3, 4	2, 2	I_3^*,I_4	**2** : 2
E1	0	0	1	−3	−9	0	1	−	6, 1	0, 1	2, 1	I_0^*,I_1	

389 $N = 389 = 389$ (1 isogeny class) 389

A1	0	1	1	−2	0	2	1	+	1	1	1	I_1	

390 $N = 390 = 2 \cdot 3 \cdot 5 \cdot 13$ (7 isogeny classes) 390

A1	1	1	0	−13	13	1	2	+	4, 2, 1, 1	4, 2, 1, 1	2, 2, 1, 1	I_4,I_2,I_1,I_1	**2** : 2
A2	1	1	0	−33	−63	1	4	+	2, 4, 2, 2	2, 4, 2, 2	2, 2, 2, 2	I_2,I_4,I_2,I_2	**2** : 1, 3, 4
A3	1	1	0	−483	−4293	1	2	+	1, 2, 1, 4	1, 2, 1, 4	1, 2, 1, 2	I_1,I_2,I_1,I_4	**2** : 2
A4	1	1	0	97	−297	1	2	−	1, 8, 4, 1	1, 8, 4, 1	1, 2, 2, 1	I_1,I_8,I_4,I_1	**2** : 2
B1	1	1	1	15	15	0	4	−	8, 1, 2, 1	8, 1, 2, 1	8, 1, 2, 1	I_8,I_1,I_2,I_1	**2** : 2
B2	1	1	1	−65	47	0	8	+	4, 2, 4, 2	4, 2, 4, 2	4, 2, 4, 2	I_4,I_2,I_4,I_2	**2** : 1, 3, 4
B3	1	1	1	−565	−5353	0	4	+	2, 4, 2, 4	2, 4, 2, 4	2, 2, 2, 4	I_2,I_4,I_2,I_4	**2** : 2, 5, 6
B4	1	1	1	−845	9095	0	4	+	2, 1, 8, 1	2, 1, 8, 1	2, 1, 8, 1	I_2,I_1,I_8,I_1	**2** : 2
B5	1	1	1	−9015	−333213	0	2	+	1, 8, 1, 2	1, 8, 1, 2	1, 2, 1, 2	I_1,I_8,I_1,I_2	**2** : 3
B6	1	1	1	−115	−13093	0	2	−	1, 2, 1, 8	1, 2, 1, 8	1, 2, 1, 8	I_1,I_2,I_1,I_8	**2** : 3
C1	1	0	0	−6	36	0	6	−	6, 3, 2, 1	6, 3, 2, 1	6, 3, 2, 1	I_6,I_3,I_2,I_1	**2** : 2; **3** : 3
C2	1	0	0	−206	1116	0	6	+	3, 6, 1, 2	3, 6, 1, 2	3, 6, 1, 2	I_3,I_6,I_1,I_2	**2** : 1; **3** : 4
C3	1	0	0	54	−960	0	2	−	2, 1, 6, 3	2, 1, 6, 3	2, 1, 2, 3	I_2,I_1,I_6,I_3	**2** : 4; **3** : 1
C4	1	0	0	−1196	−15210	0	2	+	1, 2, 3, 6	1, 2, 3, 6	1, 2, 1, 6	I_1,I_2,I_3,I_6	**2** : 3; **3** : 2
D1	1	0	1	3997	3998	0	6	−	10, 9, 6, 1	10, 9, 6, 1	2, 9, 6, 1	I_{10},I_9,I_6,I_1	**2** : 2; **3** : 3
D2	1	0	1	−16003	27998	0	6	+	5, 18, 3, 2	5, 18, 3, 2	1, 18, 3, 2	I_5,I_{18},I_3,I_2	**2** : 1; **3** : 4
D3	1	0	1	−53378	−5124652	0	2	−	30, 3, 2, 3	30, 3, 2, 3	2, 3, 2, 3	I_{30},I_3,I_2,I_3	**2** : 4; **3** : 1
D4	1	0	1	−872578	−313799212	0	2	+	15, 6, 1, 6	15, 6, 1, 6	1, 6, 1, 6	I_{15},I_6,I_1,I_6	**2** : 3; **3** : 2
E1	1	1	1	4	−7	0	2	−	2, 3, 2, 1	2, 3, 2, 1	2, 1, 2, 1	I_2,I_3,I_2,I_1	**2** : 2
E2	1	1	1	−46	−127	0	2	+	1, 6, 1, 2	1, 6, 1, 2	1, 2, 1, 2	I_1,I_6,I_1,I_2	**2** : 1
F1	1	1	0	−52	−176	0	2	−	10, 1, 2, 1	10, 1, 2, 1	2, 1, 2, 1	I_{10},I_1,I_2,I_1	**2** : 2
F2	1	1	0	−852	−9936	0	2	+	5, 2, 1, 2	5, 2, 1, 2	1, 2, 1, 2	I_5,I_2,I_1,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\text{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
390					$N = 390 = 2 \cdot 3 \cdot 5 \cdot 13$ (continued)								**390**
G1	1	0	1	−289	3092	0	2	−	20, 1, 1, 2	20, 1, 1, 2	2, 1, 1, 2	I_{20},I_1,I_1,I_2	**2** : 2
G2	1	0	1	−5409	152596	0	4	+	10, 2, 2, 4	10, 2, 2, 4	2, 2, 2, 2	I_{10},I_2,I_2,I_4	**2** : 1, 3, 4
G3	1	0	1	−6209	104276	0	2	+	5, 4, 1, 8	5, 4, 1, 8	1, 4, 1, 2	I_5,I_4,I_1,I_8	**2** : 2
G4	1	0	1	−86529	9789652	0	2	+	5, 1, 4, 2	5, 1, 4, 2	1, 1, 2, 2	I_5,I_1,I_4,I_2	**2** : 2
392					$N = 392 = 2^3 \cdot 7^2$ (6 isogeny classes)								**392**
A1	0	0	0	49	−686	1	4	−	8, 7	0, 1	4, 4	I_1^*,I_1^*	**2** : 2
A2	0	0	0	−931	−10290	1	4	+	10, 8	0, 2	2, 4	III^*,I_2^*	**2** : 1, 3, 4
A3	0	0	0	−14651	−682570	1	2	+	11, 7	0, 1	1, 2	II^*,I_1^*	**2** : 2
A4	0	0	0	−2891	47334	1	2	+	11, 10	0, 4	1, 4	II^*,I_4^*	**2** : 2
B1	0	1	0	−800	−8359	0	1	+	4, 10	0, 0	2, 1	III,II^*	
C1	0	−1	0	−16	29	1	1	+	4, 4	0, 0	2, 3	III,IV	
D1	0	1	0	−16	1392	0	2	−	10, 7	0, 1	2, 2	III^*,I_1^*	**2** : 2
D2	0	1	0	−1976	32752	0	2	+	11, 8	0, 2	1, 4	II^*,I_2^*	**2** : 1
E1	0	0	0	−343	−2401	0	1	+	4, 8	0, 0	2, 1	III,IV^*	
F1	0	0	0	−7	7	1	1	+	4, 2	0, 0	2, 1	III,II	
395					$N = 395 = 5 \cdot 79$ (3 isogeny classes)								**395**
A1	1	−1	1	−7	14	0	4	−	4, 1	4, 1	4, 1	I_4,I_1	**2** : 2
A2	1	−1	1	−132	614	0	4	+	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1, 3, 4
A3	1	−1	1	−157	384	0	2	+	1, 4	1, 4	1, 2	I_1,I_4	**2** : 2
A4	1	−1	1	−2107	37744	0	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
B1	1	1	1	−40	−128	0	2	−	6, 1	6, 1	6, 1	I_6,I_1	**2** : 2
B2	1	1	1	−665	−6878	0	2	+	3, 2	3, 2	3, 2	I_3,I_2	**2** : 1
C1	0	−1	1	−50	156	0	5	−	5, 1	5, 1	5, 1	I_5,I_1	**5** : 2
C2	0	−1	1	300	−5724	0	1	−	1, 5	1, 5	1, 1	I_1,I_5	**5** : 1
396					$N = 396 = 2^2 \cdot 3^2 \cdot 11$ (3 isogeny classes)								**396**
A1	0	0	0	−696	−8215	0	2	−	4, 16, 1	0, 10, 1	3, 4, 1	IV,I_{10}^*,I_1	**2** : 2
A2	0	0	0	−11631	−482794	0	2	+	8, 11, 2	0, 5, 2	3, 2, 2	IV^*,I_5^*,I_2	**2** : 1
B1	0	0	0	24	25	1	2	−	4, 8, 1	0, 2, 1	3, 4, 1	IV,I_2^*,I_1	**2** : 2
B2	0	0	0	−111	214	1	2	+	8, 7, 2	0, 1, 2	3, 4, 2	IV^*,I_1^*,I_2	**2** : 1
C1	0	0	0	24	52	0	1	−	8, 6, 1	0, 0, 1	1, 1, 1	IV^*,I_0^*,I_1	**3** : 2
C2	0	0	0	−696	7108	0	3	−	8, 6, 3	0, 0, 3	3, 1, 3	IV^*,I_0^*,I_3	**3** : 1
398					$N = 398 = 2 \cdot 199$ (1 isogeny class)								**398**
A1	1	1	0	−6	20	0	2	−	10, 1	10, 1	2, 1	I_{10},I_1	**2** : 2
A2	1	1	0	−166	756	0	2	+	5, 2	5, 2	1, 2	I_5,I_2	**2** : 1
399					$N = 399 = 3 \cdot 7 \cdot 19$ (3 isogeny classes)								**399**
A1	1	1	0	−210	−441	1	2	+	5, 6, 1	5, 6, 1	1, 2, 1	I_5,I_6,I_1	**2** : 2
A2	1	1	0	−1925	31458	1	2	+	10, 3, 2	10, 3, 2	2, 1, 2	I_{10},I_3,I_2	**2** : 1
B1	1	1	1	−13	−22	1	2	+	3, 2, 1	3, 2, 1	1, 2, 1	I_3,I_2,I_1	**2** : 2
B2	1	1	1	−48	90	1	2	+	6, 1, 2	6, 1, 2	2, 1, 2	I_6,I_1,I_2	**2** : 1
C1	1	0	0	−431	3408	0	2	+	1, 2, 3	1, 2, 3	1, 2, 1	I_1,I_2,I_3	**2** : 2
C2	1	0	0	−466	2813	0	2	+	2, 1, 6	2, 1, 6	2, 1, 2	I_2,I_1,I_6	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
400					$N = 400 = 2^4 \cdot 5^2$		(8 isogeny classes)						**400**
A1	0	0	0	−50	−125	1	2	+	4, 7	0, 1	1, 4	II,I_1^*	**2** : 2
A2	0	0	0	−175	750	1	4	+	8, 8	0, 2	2, 4	I_0^*,I_2^*	**2** : 1, 3, 4
A3	0	0	0	−2675	53250	1	4	+	10, 7	0, 1	4, 4	I_2^*,I_1^*	**2** : 2
A4	0	0	0	325	4250	1	2	−	10, 10	0, 4	2, 4	I_2^*,I_4^*	**2** : 2
B1	0	1	0	−48	−172	0	1	−	17, 2	5, 0	2, 1	I_9^*,II	**3** : 2; **5** : 3
B2	0	1	0	352	1268	0	1	−	27, 2	15, 0	2, 1	I_{19}^*,II	**3** : 1; **5** : 4
B3	0	1	0	−208	13588	0	1	−	13, 10	1, 0	2, 1	I_5^*,II*	**3** : 4; **5** : 1
B4	0	1	0	−50208	4313588	0	1	−	15, 10	3, 0	2, 1	I_7^*,II*	**3** : 3; **5** : 2
C1	0	−1	0	−8	112	1	1	−	13, 4	1, 0	4, 3	I_5^*,IV	**3** : 2; **5** : 3
C2	0	−1	0	−2008	35312	1	1	−	15, 4	3, 0	4, 1	I_7^*,IV	**3** : 1; **5** : 4
C3	0	−1	0	−1208	−19088	1	1	−	17, 8	5, 0	4, 3	I_9^*,IV*	**3** : 4; **5** : 1
C4	0	−1	0	8792	140912	1	1	−	27, 8	15, 0	4, 1	I_{19}^*,IV*	**3** : 3; **5** : 2
D1	0	−1	0	−3	2	0	2	+	4, 3	0, 0	1, 2	II,III	**2** : 2
D2	0	−1	0	−28	−48	0	2	+	8, 3	0, 0	2, 2	I_0^*,III	**2** : 1
E1	0	1	0	−33	−62	0	2	+	4, 7	0, 1	1, 2	II,I_1^*	**2** : 2; **3** : 3
E2	0	1	0	92	−312	0	2	−	8, 8	0, 2	1, 4	I_0^*,I_2^*	**2** : 1; **3** : 4
E3	0	1	0	−1033	12438	0	2	+	4, 9	0, 3	1, 2	II,I_3^*	**2** : 4; **3** : 1
E4	0	1	0	−908	15688	0	2	−	8, 12	0, 6	1, 4	I_0^*,I_6^*	**2** : 3; **3** : 2
F1	0	1	0	−83	88	0	2	+	4, 9	0, 0	1, 2	II,III*	**2** : 2
F2	0	1	0	−708	−7412	0	2	+	8, 9	0, 0	2, 2	I_0^*,III*	**2** : 1
G1	0	0	0	125	1250	0	1	−	11, 8	0, 0	2, 1	I_3^*,IV*	
H1	0	0	0	5	10	1	1	−	11, 2	0, 0	4, 1	I_3^*,II	
402					$N = 402 = 2 \cdot 3 \cdot 67$		(4 isogeny classes)						**402**
A1	1	1	0	−2	−12	1	1	−	8, 1, 1	8, 1, 1	2, 1, 1	I_8,I_1,I_1	
B1	1	0	1	−10	−4	0	2	+	8, 1, 1	8, 1, 1	2, 1, 1	I_8,I_1,I_1	**2** : 2
B2	1	0	1	−90	316	0	4	+	4, 2, 2	4, 2, 2	2, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
B3	1	0	1	−1430	20684	0	4	+	2, 4, 1	2, 4, 1	2, 4, 1	I_2,I_4,I_1	**2** : 2
B4	1	0	1	−30	748	0	2	−	2, 1, 4	2, 1, 4	2, 1, 2	I_2,I_1,I_4	**2** : 2
C1	1	1	1	−37	71	0	2	+	2, 3, 1	2, 3, 1	2, 1, 1	I_2,I_3,I_1	**2** : 2
C2	1	1	1	−27	123	0	2	−	1, 6, 2	1, 6, 2	1, 2, 2	I_1,I_6,I_2	**2** : 1
D1	1	0	1	−145	692	1	3	−	4, 9, 1	4, 9, 1	2, 9, 1	I_4,I_9,I_1	**3** : 2
D2	1	0	1	800	1070	1	3	−	12, 3, 3	12, 3, 3	2, 3, 3	I_{12},I_3,I_3	**3** : 1, 3
D3	1	0	1	−10255	−438718	1	1	−	36, 1, 1	36, 1, 1	2, 1, 1	I_{36},I_1,I_1	**3** : 2
404					$N = 404 = 2^2 \cdot 101$		(2 isogeny classes)						**404**
A1	0	0	0	−8	4	1	1	+	8, 1	0, 1	3, 1	IV*,I_1	
B1	0	1	0	−69	199	0	3	+	8, 1	0, 1	3, 1	IV*,I_1	**3** : 2
B2	0	1	0	−229	−1161	0	1	+	8, 3	0, 3	1, 1	IV*,I_3	**3** : 1
405					$N = 405 = 3^4 \cdot 5$		(6 isogeny classes)						**405**
A1	0	0	1	−12	15	0	3	+	4, 3	0, 3	1, 3	II,I_3	**3** : 2
A2	0	0	1	−162	−790	0	1	+	12, 1	0, 1	1, 1	II*,I_1	**3** : 1
B1	0	0	1	−18	29	1	3	+	6, 1	0, 1	3, 1	IV,I_1	**3** : 2
B2	0	0	1	−108	−412	1	1	+	10, 3	0, 3	3, 1	IV*,I_3	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
405				$N = 405 = 3^4 \cdot 5$ (continued)								**405**
C1	1	−1	0	0	1	1	1	− 4, 1	0, 1	1, 1	II,I_1	**7** : 2
C2	1	−1	0	−225	−1250	1	1	− 4, 7	0, 7	1, 1	II,I_7	**7** : 1
D1	1	−1	1	−2	−26	1	1	− 10, 1	0, 1	3, 1	IV*,I_1	**7** : 2
D2	1	−1	1	−2027	35776	1	1	− 10, 7	0, 7	3, 7	IV*,I_7	**7** : 1
E1	0	0	1	−27	47	0	1	+ 10, 1	0, 1	1, 1	IV*,I_1	
F1	0	0	1	−3	−2	1	1	+ 4, 1	0, 1	1, 1	II,I_1	
406				$N = 406 = 2 \cdot 7 \cdot 29$ (4 isogeny classes)								**406**
A1	1	−1	0	−302	2260	1	2	− 10, 3, 2	10, 3, 2	2, 1, 2	I_{10},I_3,I_2	**2** : 2
A2	1	−1	0	−4942	134964	1	2	+ 5, 6, 1	5, 6, 1	1, 2, 1	I_5,I_6,I_1	**2** : 1
B1	1	0	1	−15	210	1	3	− 4, 2, 3	4, 2, 3	2, 2, 3	I_4,I_2,I_3	**3** : 2
B2	1	0	1	130	−5648	1	1	− 12, 6, 1	12, 6, 1	2, 6, 1	I_{12},I_6,I_1	**3** : 1
C1	1	1	1	−102	355	1	1	− 8, 2, 1	8, 2, 1	8, 2, 1	I_8,I_2,I_1	
D1	1	1	0	−2124	−60592	0	2	− 16, 5, 2	16, 5, 2	2, 5, 2	I_{16},I_5,I_2	**2** : 2
D2	1	1	0	−39244	−3007920	0	2	+ 8, 10, 1	8, 10, 1	2, 10, 1	I_8,I_{10},I_1	**2** : 1
408				$N = 408 = 2^3 \cdot 3 \cdot 17$ (4 isogeny classes)								**408**
A1	0	1	0	−48	−144	0	2	+ 10, 2, 1	0, 2, 1	2, 2, 1	III*,I_2,I_1	**2** : 2
A2	0	1	0	−8	−336	0	2	− 11, 4, 2	0, 4, 2	1, 4, 2	II*,I_4,I_2	**2** : 1
B1	0	1	0	−52	128	0	4	+ 8, 2, 1	0, 2, 1	4, 2, 1	I_1^*,I_2,I_1	**2** : 2
B2	0	1	0	−72	0	0	4	+ 10, 4, 2	0, 4, 2	2, 4, 2	III*,I_4,I_2	**2** : 1, 3, 4
B3	0	1	0	−752	−8160	0	2	+ 11, 8, 1	0, 8, 1	1, 8, 1	II*,I_8,I_1	**2** : 2
B4	0	1	0	288	288	0	2	− 11, 2, 4	0, 2, 4	1, 2, 4	II*,I_2,I_4	**2** : 2
C1	0	−1	0	511	−1899	0	1	− 8, 3, 5	0, 3, 5	2, 1, 1	I_1^*,I_3,I_5	
D1	0	1	0	−17	51	1	1	− 8, 5, 1	0, 5, 1	4, 5, 1	I_1^*,I_5,I_1	
410				$N = 410 = 2 \cdot 5 \cdot 41$ (4 isogeny classes)								**410**
A1	1	−1	0	−14	20	1	2	+ 6, 2, 1	6, 2, 1	2, 2, 1	I_6,I_2,I_1	**2** : 2
A2	1	−1	0	−214	1260	1	2	+ 3, 1, 2	3, 1, 2	1, 1, 2	I_3,I_1,I_2	**2** : 1
B1	1	−1	1	−1387	−18501	0	4	+ 24, 2, 1	24, 2, 1	24, 2, 1	I_{24},I_2,I_1	**2** : 2
B2	1	−1	1	−21867	−1239109	0	4	+ 12, 4, 2	12, 4, 2	12, 4, 2	I_{12},I_4,I_2	**2** : 1, 3, 4
B3	1	−1	1	−349867	−79565509	0	2	+ 6, 2, 1	6, 2, 1	6, 2, 1	I_6,I_2,I_1	**2** : 2
B4	1	−1	1	−21547	−1277381	0	4	− 6, 8, 4	6, 8, 4	6, 8, 4	I_6,I_8,I_4	**2** : 2
C1	1	0	1	−168	806	0	6	+ 4, 6, 1	4, 6, 1	2, 6, 1	I_4,I_6,I_1	**2** : 2; **3** : 3
C2	1	0	1	−2668	52806	0	6	+ 2, 3, 2	2, 3, 2	2, 3, 2	I_2,I_3,I_2	**2** : 1; **3** : 4
C3	1	0	1	−1543	−23094	0	2	+ 12, 2, 3	12, 2, 3	2, 2, 1	I_{12},I_2,I_3	**2** : 4; **3** : 1
C4	1	0	1	−3143	32586	0	2	+ 6, 1, 6	6, 1, 6	2, 1, 2	I_6,I_1,I_6	**2** : 3; **3** : 2
D1	1	0	0	−16	0	1	2	+ 8, 2, 1	8, 2, 1	8, 2, 1	I_8,I_2,I_1	**2** : 2
D2	1	0	0	64	16	1	2	− 4, 4, 2	4, 4, 2	4, 2, 2	I_4,I_4,I_2	**2** : 1
414				$N = 414 = 2 \cdot 3^2 \cdot 23$ (4 isogeny classes)								**414**
A1	1	−1	1	−320	−2221	0	2	− 4, 12, 1	4, 6, 1	4, 4, 1	I_4,I_6^*,I_1	**2** : 2; **3** : 3
A2	1	−1	1	−5180	−142189	0	2	+ 2, 9, 2	2, 3, 2	2, 4, 2	I_2,I_3^*,I_2	**2** : 1; **3** : 4
A3	1	−1	1	1705	−5137	0	6	− 12, 8, 3	12, 2, 3	12, 4, 3	I_{12},I_2^*,I_3	**2** : 4; **3** : 1
A4	1	−1	1	−6935	−36241	0	6	+ 6, 7, 6	6, 1, 6	6, 4, 6	I_6,I_1^*,I_6	**2** : 3; **3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

414 $N = 414 = 2 \cdot 3^2 \cdot 23$ (continued) 414

B1	1	−1	1	−14	−39	0	2	−	2, 8, 1	2, 2, 1	2, 4, 1	I_2,I_2^*,I_1	**2** : 2
B2	1	−1	1	−284	−1767	0	2	+	1, 7, 2	1, 1, 2	1, 4, 2	I_1,I_1^*,I_2	**2** : 1
C1	1	−1	0	27	−59	1	2	−	4, 8, 1	4, 2, 1	2, 4, 1	I_4,I_2^*,I_1	**2** : 2
C2	1	−1	0	−153	−455	1	4	+	2, 10, 2	2, 4, 2	2, 4, 2	I_2,I_4^*,I_2	**2** : 1, 3, 4
C3	1	−1	0	−2223	−39785	1	2	+	1, 14, 1	1, 8, 1	1, 4, 1	I_1,I_8^*,I_1	**2** : 2
C4	1	−1	0	−963	11371	1	2	+	1, 8, 4	1, 2, 4	1, 2, 4	I_1,I_2^*,I_4	**2** : 2
D1	1	−1	1	−92	415	1	2	−	10, 6, 1	10, 0, 1	10, 4, 1	I_{10},I_0^*,I_1	**2** : 2
D2	1	−1	1	−1532	23455	1	2	+	5, 6, 2	5, 0, 2	5, 2, 2	I_5,I_0^*,I_2	**2** : 1

415 $N = 415 = 5 \cdot 83$ (1 isogeny class) 415

A1	1	−1	0	−109	−412	0	1	−	4, 1	4, 1	4, 1	I_4,I_1	

416 $N = 416 = 2^5 \cdot 13$ (2 isogeny classes) 416

A1	0	1	0	0	−4	0	1	−	9, 1	0, 1	1, 1	I_0^*,I_1	
B1	0	−1	0	0	4	1	1	−	9, 1	0, 1	2, 1	I_0^*,I_1	

417 $N = 417 = 3 \cdot 139$ (1 isogeny class) 417

A1	1	1	0	26	73	0	1	−	9, 1	9, 1	1, 1	I_9,I_1	

418 $N = 418 = 2 \cdot 11 \cdot 19$ (3 isogeny classes) 418

A1	1	−1	1	−4	3	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
A2	1	−1	1	6	11	0	2	−	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
B1	1	1	1	66	−5	1	1	−	13, 2, 1	13, 2, 1	13, 2, 1	I_{13},I_2,I_1	
C1	1	−1	1	−6	−5	0	1	−	1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	

420 $N = 420 = 2^2 \cdot 3 \cdot 5 \cdot 7$ (4 isogeny classes) 420

A1	0	−1	0	−4061	67590	0	2	+	4, 7, 10, 1	0, 7, 10, 1	3, 1, 2, 1	IV,I_7,I_{10},I_1	**2** : 2
A2	0	−1	0	11564	448840	0	2	−	8, 14, 5, 2	0, 14, 5, 2	3, 2, 1, 2	IV*,I_{14},I_5,I_2	**2** : 1
B1	0	−1	0	−565	5362	0	2	+	4, 5, 2, 1	0, 5, 2, 1	1, 1, 2, 1	IV,I_5,I_2,I_1	**2** : 2
B2	0	−1	0	−540	5832	0	2	−	8, 10, 1, 2	0, 10, 1, 2	1, 2, 1, 2	IV*,I_{10},I_1,I_2	**2** : 1
C1	0	1	0	−61	164	0	6	+	4, 3, 2, 1	0, 3, 2, 1	3, 3, 2, 1	IV,I_3,I_2,I_1	**2** : 2; **3** : 3
C2	0	1	0	−36	324	0	6	−	8, 6, 1, 2	0, 6, 1, 2	3, 6, 1, 2	IV*,I_6,I_1,I_2	**2** : 1; **3** : 4
C3	0	1	0	−301	−1960	0	2	+	4, 1, 6, 3	0, 1, 6, 3	1, 1, 2, 3	IV,I_1,I_6,I_3	**2** : 4; **3** : 1
C4	0	1	0	324	−8460	0	2	−	8, 2, 3, 6	0, 2, 3, 6	1, 2, 1, 6	IV*,I_2,I_3,I_6	**2** : 3; **3** : 2
D1	0	1	0	−5	0	0	2	+	4, 1, 2, 1	0, 1, 2, 1	1, 1, 2, 1	IV,I_1,I_2,I_1	**2** : 2
D2	0	1	0	20	20	0	2	−	8, 2, 1, 2	0, 2, 1, 2	1, 2, 1, 2	IV*,I_2,I_1,I_2	**2** : 1

422 $N = 422 = 2 \cdot 211$ (1 isogeny class) 422

A1	1	−1	0	1	−3	1	1	−	4, 1	4, 1	2, 1	I_4,I_1	

423 $N = 423 = 3^2 \cdot 47$ (7 isogeny classes) 423

A1	0	0	1	−12	4	1	1	+	7, 1	1, 1	4, 1	I_1^*,I_1	
B1	1	−1	0	−72	355	0	2	−	12, 1	6, 1	4, 1	I_6^*,I_1	**2** : 2
B2	1	−1	0	−1287	18094	0	2	+	9, 2	3, 2	2, 2	I_3^*,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

423 $N = 423 = 3^2 \cdot 47$ (continued) 423

C1	1	−1	0	−18	−81	1	2	−	10, 1	4, 1	4, 1	I_4^*,I_1	**2** : 2
C2	1	−1	0	−423	−3240	1	4	+	8, 2	2, 2	4, 2	I_2^*,I_2	**2** : 1, 3, 4
C3	1	−1	0	−6768	−212625	1	2	+	7, 1	1, 1	2, 1	I_1^*,I_1	**2** : 2
C4	1	−1	0	−558	−891	1	4	+	7, 4	1, 4	4, 4	I_1^*,I_4	**2** : 2
D1	0	0	1	−81	−277	0	1	+	9, 1	0, 1	2, 1	III*,I_1	
E1	0	0	1	−111	−171	0	1	+	13, 1	7, 1	2, 1	I_7^*,I_1	
F1	0	0	1	−237	1404	1	1	+	7, 1	1, 1	2, 1	I_1^*,I_1	
G1	0	0	1	−9	10	1	1	+	3, 1	0, 1	2, 1	III,I_1	

425 $N = 425 = 5^2 \cdot 17$ (4 isogeny classes) 425

A1	1	−1	0	−17	16	1	2	+	6, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
A2	1	−1	0	−142	−609	1	4	+	6, 2	0, 2	4, 2	I_0^*,I_2	**2** : 1, 3, 4
A3	1	−1	0	−2267	−40984	1	2	+	6, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
A4	1	−1	0	−17	−1734	1	2	−	6, 4	0, 4	4, 2	I_0^*,I_4	**2** : 2
B1	1	1	0	−75	250	1	1	−	8, 1	0, 1	3, 1	IV*,I_1	
C1	1	0	0	−3	2	1	1	−	2, 1	0, 1	1, 1	II,I_1	
D1	1	0	0	−213	−1208	1	2	+	8, 1	2, 1	2, 1	I_2^*,I_1	**2** : 2
D2	1	0	0	−88	−2583	1	2	−	10, 2	4, 2	4, 2	I_4^*,I_2	**2** : 1

426 $N = 426 = 2 \cdot 3 \cdot 71$ (3 isogeny classes) 426

A1	1	0	0	−20	48	0	5	−	5, 5, 1	5, 5, 1	5, 5, 1	I_5,I_5,I_1	**5** : 2
A2	1	0	0	−230	−5202	0	1	−	1, 1, 5	1, 1, 5	1, 1, 5	I_1,I_1,I_5	**5** : 1
B1	1	1	0	−286	1780	1	2	−	10, 6, 1	10, 6, 1	2, 2, 1	I_{10},I_6,I_1	**2** : 2
B2	1	1	0	−4606	118420	1	2	+	5, 3, 2	5, 3, 2	1, 1, 2	I_5,I_3,I_2	**2** : 1
C1	1	0	1	−23007	1341682	0	3	−	9, 15, 1	9, 15, 1	1, 15, 1	I_9,I_{15},I_1	**3** : 2
C2	1	0	1	14658	5154352	0	1	−	27, 5, 3	27, 5, 3	1, 5, 1	I_{27},I_5,I_3	**3** : 1

427 $N = 427 = 7 \cdot 61$ (3 isogeny classes) 427

A1	0	−1	1	−1	−1	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	
B1	1	0	1	−8	7	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
C1	1	0	0	−28	−59	1	1	+	3, 1	3, 1	1, 1	I_3,I_1	

428 $N = 428 = 2^2 \cdot 107$ (2 isogeny classes) 428

A1	0	1	0	−157	−812	0	1	−	4, 1	0, 1	3, 1	IV,I_1	
B1	0	−1	0	3	−2	1	1	−	4, 1	0, 1	3, 1	IV,I_1	

429 $N = 429 = 3 \cdot 11 \cdot 13$ (2 isogeny classes) 429

A1	1	1	1	2	2	1	2	−	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
A2	1	1	1	−13	8	1	2	+	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
B1	1	0	0	−24	63	1	4	−	8, 1, 1	8, 1, 1	8, 1, 1	I_8,I_1,I_1	**2** : 2
B2	1	0	0	−429	3384	1	8	+	4, 2, 2	4, 2, 2	4, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
B3	1	0	0	−474	2619	1	4	+	2, 4, 4	2, 4, 4	2, 2, 4	I_2,I_4,I_4	**2** : 2, 5, 6
B4	1	0	0	−6864	218313	1	4	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
B5	1	0	0	−3009	−61770	1	2	+	1, 8, 2	1, 8, 2	1, 2, 2	I_1,I_8,I_2	**2** : 3
B6	1	0	0	1341	18228	1	2	−	1, 2, 8	1, 2, 8	1, 2, 8	I_1,I_2,I_8	**2** : 3

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

430 $N = 430 = 2 \cdot 5 \cdot 43$ (4 isogeny classes) 430

A1	1	−1	0	−20	40	1	1	−	3, 1, 1	3, 1, 1	1, 1, 1	I_3,I_1,I_1	
B1	1	−1	0	16	−10	1	1	−	1, 5, 1	1, 5, 1	1, 5, 1	I_1,I_5,I_1	
C1	1	0	0	4	16	1	3	−	9, 1, 1	9, 1, 1	9, 1, 1	I_9,I_1,I_1	**3** : 2
C2	1	0	0	−36	−440	1	3	−	3, 3, 3	3, 3, 3	3, 1, 3	I_3,I_3,I_3	**3** : 1, 3
C3	1	0	0	−5626	−162894	1	1	−	1, 9, 1	1, 9, 1	1, 1, 1	I_1,I_9,I_1	**3** : 2
D1	1	0	0	−1415	20617	1	1	−	15, 5, 1	15, 5, 1	15, 5, 1	I_{15},I_5,I_1	

431 $N = 431 = 431$ (2 isogeny classes) 431

A1	1	0	0	0	−1	1	1	−	1	1	1	I_1	
B1	1	−1	1	−9	−8	0	1	−	1	1	1	I_1	

432 $N = 432 = 2^4 \cdot 3^3$ (8 isogeny classes) 432

A1	0	0	0	0	−16	0	1	−	12, 3	0, 0	1, 1	II*,II	**3** : 2, 3
A2	0	0	0	−480	−4048	0	1	−	12, 5	0, 0	1, 3	II*,IV	**3** : 1
A3	0	0	0	0	432	0	1	−	12, 9	0, 0	1, 1	II*,IV*	**3** : 1, 4
A4	0	0	0	−4320	109296	0	1	−	12, 11	0, 0	1, 1	II*,II*	**3** : 3
B1	0	0	0	0	−4	1	1	−	8, 3	0, 0	2, 1	I_0^*,II	**3** : 2
B2	0	0	0	0	108	1	1	−	8, 9	0, 0	2, 3	I_0^*,IV*	**3** : 1
C1	0	0	0	−27	−918	0	1	−	11, 11	0, 0	2, 1	I_3^*,II*	
D1	0	0	0	−3	34	1	1	−	11, 5	0, 0	4, 3	I_3^*,IV	
E1	0	0	0	−51	−142	0	1	−	13, 3	1, 0	2, 1	I_5^*,II	**3** : 2
E2	0	0	0	189	−702	0	1	−	15, 9	3, 0	2, 1	I_7^*,IV*	**3** : 1, 3
E3	0	0	0	−1971	44658	0	1	−	21, 11	9, 0	2, 1	I_{13}^*,II*	**3** : 2
F1	0	0	0	21	26	1	1	−	15, 3	3, 0	4, 1	I_7^*,II	**3** : 2, 3
F2	0	0	0	−219	−1654	1	1	−	21, 5	9, 0	4, 1	I_{13}^*,IV	**3** : 1
F3	0	0	0	−459	3834	1	1	−	13, 9	1, 0	4, 3	I_5^*,IV*	**3** : 1
G1	0	0	0	−108	540	0	1	−	8, 11	0, 0	1, 1	I_0^*,II*	
H1	0	0	0	−12	−20	0	1	−	8, 5	0, 0	1, 1	I_0^*,IV	

433 $N = 433 = 433$ (1 isogeny class) 433

A1	1	0	0	0	1	2	1	−	1	1	1	I_1	

434 $N = 434 = 2 \cdot 7 \cdot 31$ (5 isogeny classes) 434

A1	1	−1	0	−7	−3	1	2	+	6, 1, 1	6, 1, 1	2, 1, 1	I_6,I_1,I_1	**2** : 2
A2	1	−1	0	−47	133	1	2	+	3, 2, 2	3, 2, 2	1, 2, 2	I_3,I_2,I_2	**2** : 1
B1	1	0	0	−4	16	0	3	−	9, 1, 1	9, 1, 1	9, 1, 1	I_9,I_1,I_1	**3** : 2
B2	1	0	0	36	−424	0	3	−	3, 3, 3	3, 3, 3	3, 3, 3	I_3,I_3,I_3	**3** : 1, 3
B3	1	0	0	−3374	−75754	0	1	−	1, 9, 1	1, 9, 1	1, 9, 1	I_1,I_9,I_1	**3** : 2
C1	1	1	1	−32	61	0	2	−	2, 4, 1	2, 4, 1	2, 2, 1	I_2,I_4,I_1	**2** : 2
C2	1	1	1	−522	4373	0	2	+	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
D1	1	0	0	21	49	1	2	−	10, 2, 1	10, 2, 1	10, 2, 1	I_{10},I_2,I_1	**2** : 2
D2	1	0	0	−139	465	1	2	+	5, 4, 2	5, 4, 2	5, 4, 2	I_5,I_4,I_2	**2** : 1
E1	1	−1	1	−2364	−43641	0	1	−	3, 1, 1	3, 1, 1	3, 1, 1	I_3,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

435 $N = 435 = 3 \cdot 5 \cdot 29$ (4 isogeny classes) 435

A1	0	1	1	−11	11	0	3	−	3, 1, 1	3, 1, 1	3, 1, 1	I_3,I_1,I_1	**3** : 2
A2	0	1	1	49	80	0	1	−	1, 3, 3	1, 3, 3	1, 1, 1	I_1,I_3,I_3	**3** : 1
B1	0	−1	1	79	−1123	0	1	−	5, 7, 1	5, 7, 1	1, 1, 1	I_5,I_7,I_1	
C1	1	0	1	−28	53	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
C2	1	0	1	−33	31	0	4	+	4, 2, 2	4, 2, 2	4, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
C3	1	0	1	−258	−1589	0	2	+	2, 1, 4	2, 1, 4	2, 1, 4	I_2,I_1,I_4	**2** : 2
C4	1	0	1	112	263	0	4	−	8, 4, 1	8, 4, 1	8, 4, 1	I_8,I_4,I_1	**2** : 2
D1	1	0	0	−30	−45	0	4	+	8, 1, 1	8, 1, 1	8, 1, 1	I_8,I_1,I_1	**2** : 2
D2	1	0	0	−435	−3528	0	4	+	4, 2, 2	4, 2, 2	4, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
D3	1	0	0	−6960	−224073	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
D4	1	0	0	−390	−4275	0	4	−	2, 4, 4	2, 4, 4	2, 4, 4	I_2,I_4,I_4	**2** : 2

437 $N = 437 = 19 \cdot 23$ (2 isogeny classes) 437

A1	0	−1	1	19	100	1	1	−	1, 4	1, 4	1, 4	I_1,I_4	
B1	0	−1	1	0	−5	0	1	−	1, 2	1, 2	1, 2	I_1,I_2	

438 $N = 438 = 2 \cdot 3 \cdot 73$ (7 isogeny classes) 438

A1	1	0	0	−938	−9564	0	6	+	18, 6, 1	18, 6, 1	18, 6, 1	I_{18},I_6,I_1	**2** : 2; **3** : 3
A2	1	0	0	1622	−52060	0	6	−	9, 12, 2	9, 12, 2	9, 12, 2	I_9,I_{12},I_2	**2** : 1; **3** : 4
A3	1	0	0	−72938	−7587996	0	2	+	6, 2, 3	6, 2, 3	6, 2, 3	I_6,I_2,I_3	**2** : 4; **3** : 1
A4	1	0	0	−72898	−7596724	0	2	−	3, 4, 6	3, 4, 6	3, 4, 6	I_3,I_4,I_6	**2** : 3; **3** : 2
B1	1	0	0	−13	−19	0	2	+	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
B2	1	0	0	−3	−45	0	2	−	1, 4, 2	1, 4, 2	1, 4, 2	I_1,I_4,I_2	**2** : 1
C1	1	1	0	−5	−3	1	2	+	4, 2, 1	4, 2, 1	2, 2, 1	I_4,I_2,I_1	**2** : 2
C2	1	1	0	−65	−231	1	2	+	2, 1, 2	2, 1, 2	2, 1, 2	I_2,I_1,I_2	**2** : 1
D1	1	0	1	−1946	32780	1	6	+	6, 12, 1	6, 12, 1	2, 12, 1	I_6,I_{12},I_1	**2** : 2; **3** : 3
D2	1	0	1	−31106	2108972	1	6	+	3, 6, 2	3, 6, 2	1, 6, 2	I_3,I_6,I_2	**2** : 1; **3** : 4
D3	1	0	1	−9641	−337876	1	2	+	18, 4, 3	18, 4, 3	2, 4, 3	I_{18},I_4,I_3	**2** : 4; **3** : 1
D4	1	0	1	−32681	1883180	1	2	+	9, 2, 6	9, 2, 6	1, 2, 6	I_9,I_2,I_6	**2** : 3; **3** : 2
E1	1	0	1	−130	−556	0	2	+	14, 2, 1	14, 2, 1	2, 2, 1	I_{14},I_2,I_1	**2** : 2
E2	1	0	1	−2050	−35884	0	2	+	7, 1, 2	7, 1, 2	1, 1, 2	I_7,I_1,I_2	**2** : 1
F1	1	1	1	−19	17	1	4	+	8, 2, 1	8, 2, 1	8, 2, 1	I_8,I_2,I_1	**2** : 2
F2	1	1	1	−99	−399	1	4	+	4, 4, 2	4, 4, 2	4, 2, 2	I_4,I_4,I_2	**2** : 1, 3, 4
F3	1	1	1	−1559	−24343	1	2	+	2, 8, 1	2, 8, 1	2, 2, 1	I_2,I_8,I_1	**2** : 2
F4	1	1	1	81	−1479	1	4	−	2, 2, 4	2, 2, 4	2, 2, 4	I_2,I_2,I_4	**2** : 2
G1	1	0	1	−8	2	1	2	+	2, 4, 1	2, 4, 1	2, 4, 1	I_2,I_4,I_1	**2** : 2
G2	1	0	1	−98	362	1	2	+	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1

440 $N = 440 = 2^3 \cdot 5 \cdot 11$ (4 isogeny classes) 440

A1	0	0	0	−38	−87	1	2	+	4, 3, 2	0, 3, 2	2, 1, 2	III,I_3,I_2	**2** : 2
A2	0	0	0	17	−318	1	2	−	8, 6, 1	0, 6, 1	2, 2, 1	I_1^*,I_6,I_1	**2** : 1
B1	0	0	0	2	−3	1	2	−	4, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	**2** : 2
B2	0	0	0	−23	−38	1	2	+	8, 1, 2	0, 1, 2	4, 1, 2	I_1^*,I_1,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

440 $N = 440 = 2^3 \cdot 5 \cdot 11$ (continued) 440

C1	0	0	0	−5042	137801	0	4	+	4, 3, 2	0, 3, 2	2, 3, 2	III,I_3,I_2	**2** : 2
C2	0	0	0	−5047	137514	0	4	+	8, 6, 4	0, 6, 4	2, 6, 2	I_1^*,I_6,I_4	**2** : 1, 3, 4
C3	0	0	0	−7547	−12986	0	2	+	10, 3, 8	0, 3, 8	2, 3, 2	III*,I_3,I_8	**2** : 2
C4	0	0	0	−2627	269646	0	4	−	10, 12, 2	0, 12, 2	2, 12, 2	III*,I_{12},I_2	**2** : 2
D1	0	0	0	−67	−226	0	1	−	11, 3, 1	0, 3, 1	1, 3, 1	II*,I_3,I_1	

441 $N = 441 = 3^2 \cdot 7^2$ (6 isogeny classes) 441

A1	0	0	1	0	−4202	0	1	−	3, 10	0, 0	2, 1	III,II*	**3** : 2
A2	0	0	1	0	113447	0	1	−	9, 10	0, 0	2, 1	III*,II*	**3** : 1
B1	0	0	1	0	12	1	3	−	3, 4	0, 0	2, 3	III,IV	**3** : 2
B2	0	0	1	0	−331	1	1	−	9, 4	0, 0	2, 3	III*,IV	**3** : 1
C1	1	−1	0	432	−869	1	2	−	8, 7	2, 1	2, 4	I_2^*,I_1^*	**2** : 2
C2	1	−1	0	−1773	−5720	1	4	+	10, 8	4, 2	4, 4	I_4^*,I_2^*	**2** : 1, 3, 4
C3	1	−1	0	−21618	−1216265	1	4	+	8, 10	2, 4	4, 4	I_2^*,I_4^*	**2** : 2, 5, 6
C4	1	−1	0	−17208	867901	1	2	+	14, 7	8, 1	4, 2	I_8^*,I_1^*	**2** : 2
C5	1	−1	0	−345753	−78165914	1	2	+	7, 8	1, 2	2, 2	I_1^*,I_2^*	**2** : 3
C6	1	−1	0	−15003	−1979636	1	2	−	7, 14	1, 8	4, 4	I_1^*,I_8^*	**2** : 3
D1	1	−1	1	−20	46	1	2	−	6, 3	0, 0	2, 2	I_0^*,III	**2** : 2; **7** : 3
D2	1	−1	1	−335	2440	1	2	+	6, 3	0, 0	4, 2	I_0^*,III	**2** : 1; **7** : 4
D3	1	−1	1	−965	−13940	1	2	−	6, 9	0, 0	2, 2	I_0^*,III*	**2** : 4; **7** : 1
D4	1	−1	1	−16400	−804212	1	2	+	6, 9	0, 0	4, 2	I_0^*,III*	**2** : 3; **7** : 2
E1	0	0	1	−1029	−13806	0	1	−	7, 8	1, 0	2, 1	I_1^*,IV*	**13** : 2
E2	0	0	1	−402339	98307144	0	1	−	19, 8	13, 0	2, 1	I_{13}^*,IV*	**13** : 1
F1	0	0	1	−21	40	1	1	−	7, 2	1, 0	4, 1	I_1^*,II	**13** : 2
F2	0	0	1	−8211	−286610	1	1	−	19, 2	13, 0	4, 1	I_{13}^*,II	**13** : 1

442 $N = 442 = 2 \cdot 13 \cdot 17$ (5 isogeny classes) 442

A1	1	−1	1	−94	361	0	2	+	2, 2, 3	2, 2, 3	2, 2, 1	I_2,I_2,I_3	**2** : 2
A2	1	−1	1	36	1193	0	2	−	1, 1, 6	1, 1, 6	1, 1, 2	I_1,I_1,I_6	**2** : 1
B1	1	−1	1	−172	−465	1	2	+	8, 2, 3	8, 2, 3	8, 2, 3	I_8,I_2,I_3	**2** : 2
B2	1	−1	1	−1212	16175	1	2	+	4, 1, 6	4, 1, 6	4, 1, 6	I_4,I_1,I_6	**2** : 1
C1	1	1	0	−54	−172	0	2	+	8, 2, 1	8, 2, 1	2, 2, 1	I_8,I_2,I_1	**2** : 2
C2	1	1	0	26	−540	0	2	−	4, 4, 2	4, 4, 2	2, 2, 2	I_4,I_4,I_2	**2** : 1
D1	1	1	1	−9	−13	0	2	+	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
D2	1	1	1	−139	−689	0	2	+	1, 1, 2	1, 1, 2	1, 1, 2	I_1,I_1,I_2	**2** : 1
E1	1	1	1	−144951	7520141	0	2	+	22, 4, 5	22, 4, 5	22, 2, 1	I_{22},I_4,I_5	**2** : 2
E2	1	1	1	−1875511	987017101	0	2	+	11, 2, 10	11, 2, 10	11, 2, 2	I_{11},I_2,I_{10}	**2** : 1

443 $N = 443 = 443$ (3 isogeny classes) 443

A1	0	1	1	1	1	1	1	−	1	1	1	I_1	
B1	1	0	0	−3	−2	1	1	+	1	1	1	I_1	
C1	1	0	1	−84	−301	0	1	+	1	1	1	I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

444 $N = 444 = 2^2 \cdot 3 \cdot 37$ (2 isogeny classes) 444

A1	0	−1	0	−13	−14	0	2	+	4, 2, 1	0, 2, 1	1, 2, 1	IV,I_2,I_1	**2** : 2
A2	0	−1	0	−28	40	0	2	+	8, 1, 2	0, 1, 2	1, 1, 2	IV*,I_1,I_2	**2** : 1
B1	0	1	0	−9	0	1	2	+	4, 4, 1	0, 4, 1	3, 4, 1	IV,I_4,I_1	**2** : 2
B2	0	1	0	36	36	1	2	−	8, 2, 2	0, 2, 2	3, 2, 2	IV*,I_2,I_2	**2** : 1

446 $N = 446 = 2 \cdot 223$ (4 isogeny classes) 446

A1	1	1	0	−30	52	1	1	+	6, 1	6, 1	2, 1	I_6,I_1	
B1	1	1	1	−39	−35	1	1	+	14, 1	14, 1	14, 1	I_{14},I_1	
C1	1	1	1	2	−5	0	2	−	6, 1	6, 1	6, 1	I_6,I_1	**2** : 2
C2	1	1	1	−38	−101	0	2	+	3, 2	3, 2	3, 2	I_3,I_2	**2** : 1
D1	1	−1	0	−4	4	2	1	+	2, 1	2, 1	2, 1	I_2,I_1	

448 $N = 448 = 2^6 \cdot 7$ (8 isogeny classes) 448

A1	0	0	0	4	16	1	2	−	14, 1	0, 1	4, 1	I_4^*,I_1	**2** : 2
A2	0	0	0	−76	240	1	4	+	16, 2	0, 2	4, 2	I_6^*,I_2	**2** : 1, 3, 4
A3	0	0	0	−236	−1104	1	2	+	17, 4	0, 4	4, 2	I_7^*,I_4	**2** : 2
A4	0	0	0	−1196	15920	1	4	+	17, 1	0, 1	4, 1	I_7^*,I_1	**2** : 2
B1	0	0	0	4	−16	1	2	−	14, 1	0, 1	4, 1	I_4^*,I_1	**2** : 2
B2	0	0	0	−76	−240	1	4	+	16, 2	0, 2	4, 2	I_6^*,I_2	**2** : 1, 3, 4
B3	0	0	0	−1196	−15920	1	2	+	17, 1	0, 1	2, 1	I_7^*,I_1	**2** : 2
B4	0	0	0	−236	1104	1	4	+	17, 4	0, 4	4, 4	I_7^*,I_4	**2** : 2
C1	0	−1	0	−33	161	0	2	−	20, 1	2, 1	4, 1	I_{10}^*,I_1	**2** : 2; **3** : 3
C2	0	−1	0	−673	6945	0	2	+	19, 2	1, 2	2, 2	I_9^*,I_2	**2** : 1; **3** : 4
C3	0	−1	0	287	−3231	0	2	−	24, 3	6, 3	4, 3	I_{14}^*,I_3	**2** : 4; **3** : 1, 5
C4	0	−1	0	−2273	−33439	0	2	+	21, 6	3, 6	2, 6	I_{11}^*,I_6	**2** : 3; **3** : 2, 6
C5	0	−1	0	−10913	−436447	0	2	−	36, 1	18, 1	4, 1	I_{26}^*,I_1	**2** : 6; **3** : 3
C6	0	−1	0	−174753	−28059871	0	2	+	27, 2	9, 2	2, 2	I_{17}^*,I_2	**2** : 5; **3** : 4
D1	0	−1	0	7	−7	0	2	−	12, 1	0, 1	4, 1	I_2^*,I_1	**2** : 2
D2	0	−1	0	−33	−31	0	2	+	15, 2	0, 2	2, 2	I_5^*,I_2	**2** : 1
E1	0	−1	0	−1	33	0	2	−	16, 1	0, 1	4, 1	I_6^*,I_1	**2** : 2
E2	0	−1	0	−161	833	0	2	+	17, 2	0, 2	2, 2	I_7^*,I_2	**2** : 1
F1	0	1	0	−33	−161	0	2	−	20, 1	2, 1	4, 1	I_{10}^*,I_1	**2** : 2; **3** : 3
F2	0	1	0	−673	−6945	0	2	+	19, 2	1, 2	2, 2	I_9^*,I_2	**2** : 1; **3** : 4
F3	0	1	0	287	3231	0	2	−	24, 3	6, 3	4, 1	I_{14}^*,I_3	**2** : 4; **3** : 1, 5
F4	0	1	0	−2273	33439	0	2	+	21, 6	3, 6	2, 2	I_{11}^*,I_6	**2** : 3; **3** : 2, 6
F5	0	1	0	−10913	436447	0	2	−	36, 1	18, 1	4, 1	I_{26}^*,I_1	**2** : 6; **3** : 3
F6	0	1	0	−174753	28059871	0	2	+	27, 2	9, 2	2, 2	I_{17}^*,I_2	**2** : 5; **3** : 4
G1	0	1	0	7	7	1	2	−	12, 1	0, 1	4, 1	I_2^*,I_1	**2** : 2
G2	0	1	0	−33	31	1	2	+	15, 2	0, 2	4, 2	I_5^*,I_2	**2** : 1
H1	0	1	0	−1	−33	0	2	−	16, 1	0, 1	4, 1	I_6^*,I_1	**2** : 2
H2	0	1	0	−161	−833	0	2	+	17, 2	0, 2	2, 2	I_7^*,I_2	**2** : 1

	a_1 a_2 a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

450 $N = 450 = 2 \cdot 3^2 \cdot 5^2$ (7 isogeny classes) 450

A1	1 −1 1	−680	9447	0	2	− 2, 7, 9	2, 1, 0	2, 2, 2	I_2,I_1^*,III*	**2** : 2; **5** : 3
A2	1 −1 1	−11930	504447	0	2	+ 1, 8, 9	1, 2, 0	1, 4, 2	I_1,I_2^*,III*	**2** : 1; **5** : 4
A3	1 −1 1	−6305	−924303	0	2	− 10, 11, 9	10, 5, 0	10, 2, 2	I_{10},I_5^*,III*	**2** : 4; **5** : 1
A4	1 −1 1	−186305	−30804303	0	2	+ 5, 16, 9	5, 10, 0	5, 4, 2	I_5,I_{10}^*,III*	**2** : 3; **5** : 2
B1	1 −1 1	−5	47	0	1	− 1, 6, 4	1, 0, 0	1, 1, 1	I_1,I_0^*,IV	**3** : 2; **5** : 3
B2	1 −1 1	−1130	14897	0	3	− 3, 6, 4	3, 0, 0	3, 1, 3	I_3,I_0^*,IV	**3** : 1; **5** : 4
B3	1 −1 1	−680	−8053	0	1	− 5, 6, 8	5, 0, 0	5, 1, 1	I_5,I_0^*,IV*	**3** : 4; **5** : 1
B4	1 −1 1	4945	59447	0	3	− 15, 6, 8	15, 0, 0	15, 1, 3	I_{15},I_0^*,IV*	**3** : 3; **5** : 2
C1	1 −1 0	−27	81	1	2	− 2, 7, 3	2, 1, 0	2, 4, 2	I_2,I_1^*,III	**2** : 2; **5** : 3
C2	1 −1 0	−477	4131	1	2	+ 1, 8, 3	1, 2, 0	1, 4, 2	I_1,I_2^*,III	**2** : 1; **5** : 4
C3	1 −1 0	−252	−7344	1	2	− 10, 11, 3	10, 5, 0	2, 4, 2	I_{10},I_5^*,III	**2** : 4; **5** : 1
C4	1 −1 0	−7452	−244944	1	2	+ 5, 16, 3	5, 10, 0	1, 4, 2	I_5,I_{10}^*,III	**2** : 3; **5** : 2
D1	1 −1 0	−27	−59	0	1	− 5, 6, 2	5, 0, 0	1, 1, 1	I_5,I_0^*,II	**3** : 2; **5** : 3
D2	1 −1 0	198	436	0	1	− 15, 6, 2	15, 0, 0	1, 1, 1	I_{15},I_0^*,II	**3** : 1; **5** : 4
D3	1 −1 0	−117	5791	0	1	− 1, 6, 10	1, 0, 0	1, 1, 1	I_1,I_0^*,II*	**3** : 4; **5** : 1
D4	1 −1 0	−28242	1833916	0	1	− 3, 6, 10	3, 0, 0	1, 1, 1	I_3,I_0^*,II*	**3** : 3; **5** : 2
E1	1 −1 1	145	147	0	2	− 2, 3, 9	2, 0, 3	2, 2, 2	I_2,III,I_3^*	**2** : 2; **3** : 3
E2	1 −1 1	−605	1647	0	2	+ 1, 3, 12	1, 0, 6	1, 2, 4	I_1,III,I_6^*	**2** : 1; **3** : 4
E3	1 −1 1	−1730	−31103	0	2	− 6, 9, 7	6, 0, 1	6, 2, 2	I_6,III*,I_1^*	**2** : 4; **3** : 1
E4	1 −1 1	−28730	−1867103	0	2	+ 3, 9, 8	3, 0, 2	3, 2, 4	I_3,III*,I_2^*	**2** : 3; **3** : 2
F1	1 −1 0	−192	1216	1	2	− 6, 3, 7	6, 0, 1	2, 2, 4	I_6,III,I_1^*	**2** : 2; **3** : 3
F2	1 −1 0	−3192	70216	1	2	+ 3, 3, 8	3, 0, 2	1, 2, 4	I_3,III,I_2^*	**2** : 1; **3** : 4
F3	1 −1 0	1308	−5284	1	2	− 2, 9, 9	2, 0, 3	2, 2, 4	I_2,III*,I_3^*	**2** : 4; **3** : 1
F4	1 −1 0	−5442	−39034	1	2	+ 1, 9, 12	1, 0, 6	1, 2, 4	I_1,III*,I_6^*	**2** : 3; **3** : 2
G1	1 −1 0	333	−7259	0	2	− 4, 9, 7	4, 3, 1	2, 2, 2	I_4,I_3^*,I_1^*	**2** : 2; **3** : 3
G2	1 −1 0	−4167	−92759	0	4	+ 2, 12, 8	2, 6, 2	2, 4, 4	I_2,I_6^*,I_2^*	**2** : 1, 4, 5; **3** : 6
G3	1 −1 0	−3042	212116	0	2	− 12, 7, 9	12, 1, 3	2, 2, 2	I_{12},I_1^*,I_3^*	**2** : 6; **3** : 1
G4	1 −1 0	−64917	−6350009	0	2	+ 1, 9, 10	1, 3, 4	1, 4, 4	I_1,I_3^*,I_4^*	**2** : 2; **3** : 7
G5	1 −1 0	−15417	638491	0	2	+ 1, 18, 7	1, 12, 1	1, 4, 2	I_1,I_{12}^*,I_1^*	**2** : 2; **3** : 8
G6	1 −1 0	−75042	7916116	0	4	+ 6, 8, 12	6, 2, 6	2, 4, 4	I_6,I_2^*,I_6^*	**2** : 3, 7, 8; **3** : 2
G7	1 −1 0	−102042	1733116	0	2	+ 3, 7, 18	3, 1, 12	1, 4, 4	I_3,I_1^*,I_{12}^*	**2** : 6; **3** : 4
G8	1 −1 0	−1200042	506291116	0	2	+ 3, 10, 9	3, 4, 3	1, 4, 2	I_3,I_4^*,I_3^*	**2** : 6; **3** : 5

451 $N = 451 = 11 \cdot 41$ (1 isogeny class) 451

A1	0 1 1	3	7	1	1	− 1, 2	1, 2	1, 2	I_1,I_2	

455 $N = 455 = 5 \cdot 7 \cdot 13$ (2 isogeny classes) 455

A1	1 −1 0	−50	111	1	2	+ 3, 4, 1	3, 4, 1	1, 2, 1	I_3,I_4,I_1	**2** : 2
A2	1 −1 0	−295	−1800	1	4	+ 6, 2, 2	6, 2, 2	2, 2, 2	I_6,I_2,I_2	**2** : 1, 3, 4
A3	1 −1 0	−4670	−121675	1	2	+ 3, 1, 4	3, 1, 4	1, 1, 2	I_3,I_1,I_4	**2** : 2
A4	1 −1 0	160	−7169	1	2	− 12, 1, 1	12, 1, 1	2, 1, 1	I_{12},I_1,I_1	**2** : 2
B1	1 −1 1	−67	226	1	4	+ 1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	**2** : 2
B2	1 −1 1	−72	194	1	4	+ 2, 4, 2	2, 4, 2	2, 2, 2	I_2,I_4,I_2	**2** : 1, 3, 4
B3	1 −1 1	−397	−2796	1	2	+ 1, 8, 1	1, 8, 1	1, 2, 1	I_1,I_8,I_1	**2** : 2
B4	1 −1 1	173	1076	1	4	− 4, 2, 4	4, 2, 4	4, 2, 4	I_4,I_2,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
456					$N = 456 = 2^3 \cdot 3 \cdot 19$ (4 isogeny classes)								**456**
A1	0	−1	0	−16	28	0	2	+	10, 1, 1	0, 1, 1	2, 1, 1	III*,I_1,I_1	**2** : 2
A2	0	−1	0	24	108	0	2	−	11, 2, 2	0, 2, 2	1, 2, 2	II*,I_2,I_2	**2** : 1
B1	0	1	0	−172	−928	0	2	+	8, 3, 1	0, 3, 1	2, 3, 1	I_1^*,I_3,I_1	**2** : 2
B2	0	1	0	−192	−720	0	4	+	10, 6, 2	0, 6, 2	2, 6, 2	III*,I_6,I_2	**2** : 1, 3, 4
B3	0	1	0	−1272	16560	0	2	+	11, 3, 4	0, 3, 4	1, 3, 2	II*,I_3,I_4	**2** : 2
B4	0	1	0	568	−4368	0	2	−	11, 12, 1	0, 12, 1	1, 12, 1	II*,I_{12},I_1	**2** : 2
C1	0	1	0	−57	171	1	1	−	8, 6, 1	0, 6, 1	4, 6, 1	I_1^*,I_6,I_1	
D1	0	−1	0	55	93	1	1	−	8, 2, 3	0, 2, 3	2, 2, 3	I_1^*,I_2,I_3	
458					$N = 458 = 2 \cdot 229$ (2 isogeny classes)								**458**
A1	1	−1	0	−19	37	1	1	+	4, 1	4, 1	2, 1	I_4,I_1	
B1	1	1	1	−16	−15	1	1	+	10, 1	10, 1	10, 1	I_{10},I_1	
459					$N = 459 = 3^3 \cdot 17$ (8 isogeny classes)								**459**
A1	1	−1	0	0	−1	1	1	−	3, 1	0, 1	1, 1	II,I_1	
B1	0	0	1	3	−4	1	1	−	3, 2	0, 2	1, 2	II,I_2	
C1	0	0	1	−6	−6	0	1	−	3, 1	0, 1	1, 1	II,I_1	**3** : 2
C2	0	0	1	24	−27	0	3	−	5, 3	0, 3	3, 3	IV,I_3	**3** : 1
D1	0	0	1	−351	2531	0	1	−	9, 1	0, 1	1, 1	IV*,I_1	
E1	0	0	1	27	101	0	1	−	9, 2	0, 2	1, 2	IV*,I_2	
F1	0	0	1	−54	155	0	3	−	9, 1	0, 1	3, 1	IV*,I_1	**3** : 2
F2	0	0	1	216	722	0	1	−	11, 3	0, 3	1, 1	II*,I_3	**3** : 1
G1	0	0	1	−39	−94	0	1	−	3, 1	0, 1	1, 1	II,I_1	
H1	1	−1	1	−2	28	1	1	−	9, 1	0, 1	3, 1	IV*,I_1	
460					$N = 460 = 2^2 \cdot 5 \cdot 23$ (4 isogeny classes)								**460**
A1	0	0	0	−8	−12	0	1	−	8, 1, 1	0, 1, 1	1, 1, 1	IV*,I_1,I_1	
B1	0	0	0	−73	2453	0	1	−	4, 2, 5	0, 2, 5	1, 2, 1	IV,I_2,I_5	
C1	0	1	0	−46	529	1	3	−	4, 4, 3	0, 4, 3	3, 2, 3	IV,I_4,I_3	**3** : 2
C2	0	1	0	414	−13915	1	1	−	4, 12, 1	0, 12, 1	1, 2, 1	IV,I_{12},I_1	**3** : 1
D1	0	−1	0	−10	17	1	1	−	4, 2, 1	0, 2, 1	3, 2, 1	IV,I_2,I_1	
462					$N = 462 = 2 \cdot 3 \cdot 7 \cdot 11$ (7 isogeny classes)								**462**
A1	1	1	0	5	−23	1	2	−	2, 4, 1, 2	2, 4, 1, 2	2, 2, 1, 2	I_2,I_4,I_1,I_2	**2** : 2
A2	1	1	0	−105	−441	1	2	+	1, 8, 2, 1	1, 8, 2, 1	1, 2, 2, 1	I_1,I_8,I_2,I_1	**2** : 1
B1	1	1	0	−644	−2352	0	2	+	20, 3, 2, 1	20, 3, 2, 1	2, 1, 2, 1	I_{20},I_3,I_2,I_1	**2** : 2
B2	1	1	0	−5764	164560	0	4	+	10, 6, 4, 2	10, 6, 4, 2	2, 2, 2, 2	I_{10},I_6,I_4,I_2	**2** : 1, 3, 4
B3	1	1	0	−92004	10703088	0	2	+	5, 12, 2, 1	5, 12, 2, 1	1, 2, 2, 1	I_5,I_{12},I_2,I_1	**2** : 2
B4	1	1	0	−1444	410800	0	2	−	5, 3, 8, 4	5, 3, 8, 4	1, 1, 2, 4	I_5,I_3,I_8,I_4	**2** : 2
C1	1	1	0	4	0	1	2	−	4, 1, 1, 1	4, 1, 1, 1	2, 1, 1, 1	I_4,I_1,I_1,I_1	**2** : 2
C2	1	1	0	−16	−20	1	4	+	2, 2, 2, 2	2, 2, 2, 2	2, 2, 2, 2	I_2,I_2,I_2,I_2	**2** : 1, 3, 4
C3	1	1	0	−226	−1406	1	2	+	1, 1, 1, 4	1, 1, 1, 4	1, 1, 1, 4	I_1,I_1,I_1,I_4	**2** : 2
C4	1	1	0	−126	486	1	2	+	1, 4, 4, 1	1, 4, 4, 1	1, 2, 4, 1	I_1,I_4,I_4,I_1	**2** : 2
D1	1	0	1	−1676	5058506	0	2	−	26, 4, 5, 2	26, 4, 5, 2	2, 4, 1, 2	I_{26},I_4,I_5,I_2	**2** : 2
D2	1	0	1	−452236	115355594	0	2	+	13, 8, 10, 1	13, 8, 10, 1	1, 8, 2, 1	I_{13},I_8,I_{10},I_1	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
462								$N = 462 = 2 \cdot 3 \cdot 7 \cdot 11$ (continued)					**462**
E1	1	1	1	−405	4731	1	2	−	14, 2, 3, 2	14, 2, 3, 2	14, 2, 3, 2	I_{14},I_2,I_3,I_2	**2** : 2
E2	1	1	1	−7445	244091	1	2	+	7, 4, 6, 1	7, 4, 6, 1	7, 2, 6, 1	I_7,I_4,I_6,I_1	**2** : 1
F1	1	0	0	−97	1337	0	4	−	4, 2, 3, 4	4, 2, 3, 4	4, 2, 1, 4	I_4,I_2,I_3,I_4	**2** : 2
F2	1	0	0	−2517	48285	0	4	+	2, 4, 6, 2	2, 4, 6, 2	2, 4, 2, 2	I_2,I_4,I_6,I_2	**2** : 1, 3, 4
F3	1	0	0	−3507	6507	0	2	+	1, 2, 12, 1	1, 2, 12, 1	1, 2, 2, 1	I_1,I_2,I_{12},I_1	**2** : 2
F4	1	0	0	−40247	3104415	0	2	+	1, 8, 3, 1	1, 8, 3, 1	1, 8, 1, 1	I_1,I_8,I_3,I_1	**2** : 2
G1	1	0	0	77	161	0	6	−	6, 6, 1, 2	6, 6, 1, 2	6, 6, 1, 2	I_6,I_6,I_1,I_2	**2** : 2; **3** : 3
G2	1	0	0	−363	1305	0	6	+	3, 12, 2, 1	3, 12, 2, 1	3, 12, 2, 1	I_3,I_{12},I_2,I_1	**2** : 1; **3** : 4
G3	1	0	0	−823	−11611	0	2	−	2, 2, 3, 6	2, 2, 3, 6	2, 2, 3, 2	I_2,I_2,I_3,I_6	**2** : 4; **3** : 1
G4	1	0	0	−14133	−647829	0	2	+	1, 4, 6, 3	1, 4, 6, 3	1, 4, 6, 1	I_1,I_4,I_6,I_3	**2** : 3; **3** : 2
464								$N = 464 = 2^4 \cdot 29$ (7 isogeny classes)					**464**
A1	0	1	0	8	4	1	1	−	10, 1	0, 1	2, 1	I_2^*,I_1	
B1	0	−1	0	−80	304	1	1	−	10, 1	0, 1	2, 1	I_2^*,I_1	
C1	0	1	0	80	−428	0	1	−	22, 1	10, 1	2, 1	I_{14}^*,I_1	**5** : 2
C2	0	1	0	−7280	238292	0	1	−	14, 5	2, 5	2, 1	I_6^*,I_5	**5** : 1
D1	0	−1	0	−4	−4	0	1	−	8, 1	0, 1	1, 1	I_0^*,I_1	**3** : 2
D2	0	−1	0	36	76	0	1	−	8, 3	0, 3	1, 1	I_0^*,I_3	**3** : 1
E1	0	1	0	−4	−24	0	2	−	8, 2	0, 2	1, 2	I_0^*,I_2	**2** : 2
E2	0	1	0	−9	−14	0	2	+	4, 1	0, 1	1, 1	II,I_1	**2** : 1
F1	0	0	0	−4831	129242	0	1	−	8, 1	0, 1	1, 1	I_0^*,I_1	
G1	0	0	0	−19	−46	0	1	−	14, 1	2, 1	2, 1	I_6^*,I_1	
465								$N = 465 = 3 \cdot 5 \cdot 31$ (2 isogeny classes)					**465**
A1	1	1	0	−7	16	1	2	−	3, 1, 2	3, 1, 2	1, 1, 2	I_3,I_1,I_2	**2** : 2
A2	1	1	0	−162	729	1	2	+	6, 2, 1	6, 2, 1	2, 2, 1	I_6,I_2,I_1	**2** : 1
B1	1	0	0	−10	−13	1	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
B2	1	0	0	−15	0	1	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
B3	1	0	0	−170	837	1	4	+	4, 4, 1	4, 4, 1	4, 4, 1	I_4,I_4,I_1	**2** : 2
B4	1	0	0	60	15	1	2	−	1, 1, 4	1, 1, 4	1, 1, 2	I_1,I_1,I_4	**2** : 2
466								$N = 466 = 2 \cdot 233$ (2 isogeny classes)					**466**
A1	1	1	0	−5	−7	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1	1	0	−15	11	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
B1	1	0	0	−23	41	0	3	−	6, 1	6, 1	6, 1	I_6,I_1	**3** : 2
B2	1	0	0	77	229	0	1	−	2, 3	2, 3	2, 1	I_2,I_3	**3** : 1
467								$N = 467 = 467$ (1 isogeny class)					**467**
A1	0	0	1	−4	3	1	1	−	1	1	1	I_1	
468								$N = 468 = 2^2 \cdot 3^2 \cdot 13$ (5 isogeny classes)					**468**
A1	0	0	0	−168	−855	0	2	−	4, 3, 4	0, 0, 4	3, 2, 2	IV,III,I_4	**2** : 2
A2	0	0	0	−2703	−54090	0	2	+	8, 3, 2	0, 0, 2	3, 2, 2	IV*,III,I_2	**2** : 1
B1	0	0	0	−1512	23085	0	2	−	4, 9, 4	0, 0, 4	1, 2, 2	IV,III*,I_4	**2** : 2
B2	0	0	0	−24327	1460430	0	2	+	8, 9, 2	0, 0, 2	1, 2, 2	IV*,III*,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
468					$N = 468 = 2^2 \cdot 3^2 \cdot 13$ (continued)								**468**
C1	0	0	0	−36	81	1	2	+	4, 6, 1	0, 0, 1	3, 4, 1	IV,I_0^*,I_1	**2** : 2
C2	0	0	0	9	270	1	2	−	8, 6, 2	0, 0, 2	3, 2, 2	IV*,I_0^*,I_2	**2** : 1
D1	0	0	0	−120	−11	0	2	+	4, 12, 1	0, 6, 1	1, 4, 1	IV,I_6^*,I_1	**2** : 2; **3** : 3
D2	0	0	0	−1335	−18722	0	2	+	8, 9, 2	0, 3, 2	1, 4, 2	IV*,I_3^*,I_2	**2** : 1; **3** : 4
D3	0	0	0	−6600	206377	0	6	+	4, 8, 3	0, 2, 3	3, 4, 3	IV,I_2^*,I_3	**2** : 4; **3** : 1
D4	0	0	0	−6735	197494	0	6	+	8, 7, 6	0, 1, 6	3, 4, 6	IV*,I_1^*,I_6	**2** : 3; **3** : 2
E1	0	0	0	−48	−115	0	2	+	4, 8, 1	0, 2, 1	1, 4, 1	IV,I_2^*,I_1	**2** : 2
E2	0	0	0	−183	830	0	2	+	8, 7, 2	0, 1, 2	1, 2, 2	IV*,I_1^*,I_2	**2** : 1
469					$N = 469 = 7 \cdot 67$ (2 isogeny classes)								**469**
A1	1	0	1	−80	−275	1	1	+	5, 1	5, 1	1, 1	I_5,I_1	
B1	1	−1	1	−12	18	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
470					$N = 470 = 2 \cdot 5 \cdot 47$ (6 isogeny classes)								**470**
A1	1	0	1	−44	106	1	1	+	8, 1, 1	8, 1, 1	2, 1, 1	I_8,I_1,I_1	
B1	1	0	1	−5773	168328	0	3	+	8, 3, 1	8, 3, 1	2, 3, 1	I_8,I_3,I_1	**3** : 2
B2	1	0	1	−6348	132618	0	1	+	24, 1, 3	24, 1, 3	2, 1, 1	I_{24},I_1,I_3	**3** : 1
C1	1	1	0	−97	281	1	1	+	2, 7, 1	2, 7, 1	2, 7, 1	I_2,I_7,I_1	
D1	1	0	0	−36	80	0	3	+	6, 1, 1	6, 1, 1	6, 1, 1	I_6,I_1,I_1	**3** : 2
D2	1	0	0	−176	−844	0	1	+	2, 3, 3	2, 3, 3	2, 1, 1	I_2,I_3,I_3	**3** : 1
E1	1	1	1	−11	9	1	1	+	4, 1, 1	4, 1, 1	4, 1, 1	I_4,I_1,I_1	
F1	1	−1	1	−117	141	1	1	+	14, 3, 1	14, 3, 1	14, 3, 1	I_{14},I_3,I_1	
471					$N = 471 = 3 \cdot 157$ (1 isogeny class)								**471**
A1	1	1	1	1	2	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
472					$N = 472 = 2^3 \cdot 59$ (5 isogeny classes)								**472**
A1	0	0	0	2	1	1	1	−	4, 1	0, 1	2, 1	III,I_1	
B1	0	−1	0	−276	−1676	0	1	−	8, 1	0, 1	2, 1	I_1^*,I_1	
C1	0	−1	0	8	12	0	1	−	11, 1	0, 1	1, 1	II*,I_1	
D1	0	0	0	−19	−34	0	1	−	10, 1	0, 1	2, 1	III*,I_1	
E1	0	−1	0	4	4	1	1	−	8, 1	0, 1	4, 1	I_1^*,I_1	
473					$N = 473 = 11 \cdot 43$ (1 isogeny class)								**473**
A1	0	1	1	−1006	11952	1	1	−	3, 2	3, 2	1, 2	I_3,I_2	
474					$N = 474 = 2 \cdot 3 \cdot 79$ (2 isogeny classes)								**474**
A1	1	1	0	81	−27	1	1	−	14, 3, 1	14, 3, 1	2, 1, 1	I_{14},I_3,I_1	
B1	1	0	1	−7	14	1	1	−	2, 5, 1	2, 5, 1	2, 5, 1	I_2,I_5,I_1	
475					$N = 475 = 5^2 \cdot 19$ (3 isogeny classes)								**475**
A1	0	−1	1	17	−7	0	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	**3** : 2
A2	0	−1	1	−233	−1382	0	1	−	6, 3	0, 3	1, 3	I_0^*,I_3	**3** : 1, 3
A3	0	−1	1	−19233	−1020257	0	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	**3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

475 $N = 475 = 5^2 \cdot 19$ (continued) 475

B1	1	−1	0	8	291	1	2	−	9, 1	0, 1	2, 1	III*,I_1	**2** : 2
B2	1	−1	0	−617	5916	1	2	+	9, 2	0, 2	2, 2	III*,I_2	**2** : 1
C1	1	−1	1	0	2	1	2	−	3, 1	0, 1	2, 1	III,I_1	**2** : 2
C2	1	−1	1	−25	52	1	2	+	3, 2	0, 2	2, 2	III,I_2	**2** : 1

477 $N = 477 = 3^2 \cdot 53$ (1 isogeny class) 477

A1	1	−1	0	3	−10	1	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	

480 $N = 480 = 2^5 \cdot 3 \cdot 5$ (8 isogeny classes) 480

A1	0	−1	0	−6	0	1	4	+	6, 2, 2	0, 2, 2	2, 2, 2	III,I_2,I_2	**2** : 2, 3, 4
A2	0	−1	0	−81	−255	1	2	+	12, 1, 1	0, 1, 1	2, 1, 1	I_3^*,I_1,I_1	**2** : 1
A3	0	−1	0	−56	180	1	2	+	9, 4, 1	0, 4, 1	2, 2, 1	I_0^*,I_4,I_1	**2** : 1
A4	0	−1	0	24	−24	1	2	−	9, 1, 4	0, 1, 4	1, 1, 2	I_0^*,I_1,I_4	**2** : 1
B1	0	−1	0	−10	−8	0	4	+	6, 2, 2	0, 2, 2	2, 2, 2	III,I_2,I_2	**2** : 2, 3, 4
B2	0	−1	0	−160	−728	0	2	+	9, 1, 1	0, 1, 1	1, 1, 1	I_0^*,I_1,I_1	**2** : 1
B3	0	−1	0	−40	100	0	4	+	9, 1, 4	0, 1, 4	2, 1, 4	I_0^*,I_1,I_4	**2** : 1
B4	0	−1	0	15	−63	0	2	−	12, 4, 1	0, 4, 1	2, 2, 1	I_3^*,I_4,I_1	**2** : 1
C1	0	1	0	−6	0	0	4	+	6, 2, 2	0, 2, 2	2, 2, 2	III,I_2,I_2	**2** : 2, 3, 4
C2	0	1	0	−56	−180	0	2	+	9, 4, 1	0, 4, 1	1, 4, 1	I_0^*,I_4,I_1	**2** : 1
C3	0	1	0	−81	255	0	2	+	12, 1, 1	0, 1, 1	2, 1, 1	I_3^*,I_1,I_1	**2** : 1
C4	0	1	0	24	24	0	2	−	9, 1, 4	0, 1, 4	2, 1, 2	I_0^*,I_1,I_4	**2** : 1
D1	0	1	0	−226	−1360	0	4	+	6, 6, 4	0, 6, 4	2, 6, 2	III,I_6,I_4	**2** : 2, 3, 4
D2	0	1	0	−3601	−84385	0	2	+	12, 3, 2	0, 3, 2	2, 3, 2	I_3^*,I_3,I_2	**2** : 1
D3	0	1	0	−496	2204	0	2	+	9, 3, 8	0, 3, 8	1, 3, 2	I_0^*,I_3,I_8	**2** : 1
D4	0	1	0	24	−3960	0	4	−	9, 12, 2	0, 12, 2	2, 12, 2	I_0^*,I_{12},I_2	**2** : 1
E1	0	−1	0	−226	1360	0	4	+	6, 6, 4	0, 6, 4	2, 2, 2	III,I_6,I_4	**2** : 2, 3, 4
E2	0	−1	0	−496	−2204	0	2	+	9, 3, 8	0, 3, 8	2, 1, 2	I_0^*,I_3,I_8	**2** : 1
E3	0	−1	0	−3601	84385	0	4	+	12, 3, 2	0, 3, 2	4, 1, 2	I_3^*,I_3,I_2	**2** : 1
E4	0	−1	0	24	3960	0	2	−	9, 12, 2	0, 12, 2	1, 2, 2	I_0^*,I_{12},I_2	**2** : 1
F1	0	−1	0	−30	72	1	4	+	6, 4, 2	0, 4, 2	2, 2, 2	III,I_4,I_2	**2** : 2, 3, 4
F2	0	−1	0	−80	−168	1	2	+	9, 8, 1	0, 8, 1	1, 2, 1	I_0^*,I_8,I_1	**2** : 1
F3	0	−1	0	−480	4212	1	4	+	9, 2, 1	0, 2, 1	2, 2, 1	I_0^*,I_2,I_1	**2** : 1
F4	0	−1	0	15	225	1	4	−	12, 2, 4	0, 2, 4	4, 2, 4	I_3^*,I_2,I_4	**2** : 1
G1	0	1	0	−10	8	0	4	+	6, 2, 2	0, 2, 2	2, 2, 2	III,I_2,I_2	**2** : 2, 3, 4
G2	0	1	0	−40	−100	0	2	+	9, 1, 4	0, 1, 4	1, 1, 4	I_0^*,I_1,I_4	**2** : 1
G3	0	1	0	−160	728	0	2	+	9, 1, 1	0, 1, 1	2, 1, 1	I_0^*,I_1,I_1	**2** : 1
G4	0	1	0	15	63	0	4	−	12, 4, 1	0, 4, 1	4, 4, 1	I_3^*,I_4,I_1	**2** : 1
H1	0	1	0	−30	−72	0	4	+	6, 4, 2	0, 4, 2	2, 4, 2	III,I_4,I_2	**2** : 2, 3, 4
H2	0	1	0	−480	−4212	0	2	+	9, 2, 1	0, 2, 1	1, 2, 1	I_0^*,I_2,I_1	**2** : 1
H3	0	1	0	−80	168	0	4	+	9, 8, 1	0, 8, 1	2, 8, 1	I_0^*,I_8,I_1	**2** : 1
H4	0	1	0	15	−225	0	4	−	12, 2, 4	0, 2, 4	4, 2, 4	I_3^*,I_2,I_4	**2** : 1

481 $N = 481 = 13 \cdot 37$ (1 isogeny class) 481

A1	1	−1	0	−1693	27240	1	2	+	3, 1	3, 1	1, 1	I_3,I_1	**2** : 2
A2	1	−1	0	−1688	27405	1	2	−	6, 2	6, 2	2, 2	I_6,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
482							$N = 482 = 2 \cdot 241$ (1 isogeny class)						**482**
A1	1	0	1	−44	−150	1	1	−	14, 1	14, 1	2, 1	I_{14},I_1	
483							$N = 483 = 3 \cdot 7 \cdot 23$ (2 isogeny classes)						**483**
A1	0	1	1	−96	−457	0	1	−	5, 1, 3	5, 1, 3	5, 1, 1	I_5,I_1,I_3	
B1	0	1	1	2	1	0	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
484							$N = 484 = 2^2 \cdot 11^2$ (1 isogeny class)						**484**
A1	0	1	0	323	2671	1	1	−	8, 7	0, 1	1, 4	IV*,I_1^*	**3** : 2
A2	0	1	0	−9357	347279	1	1	−	8, 9	0, 3	3, 4	IV*,I_3^*	**3** : 1
485							$N = 485 = 5 \cdot 97$ (2 isogeny classes)						**485**
A1	0	1	1	−121	−64	0	3	+	3, 3	3, 3	1, 3	I_3,I_3	**3** : 2, 3
A2	0	1	1	−6911	−223455	0	1	+	9, 1	9, 1	1, 1	I_9,I_1	**3** : 1
A3	0	1	1	−81	255	0	3	+	1, 1	1, 1	1, 1	I_1,I_1	**3** : 1
B1	0	0	1	−2	0	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
486							$N = 486 = 2 \cdot 3^5$ (6 isogeny classes)						**486**
A1	1	−1	0	3	5	1	1	−	6, 5	6, 0	2, 1	I_6,II	**3** : 2
A2	1	−1	0	−177	953	1	3	−	2, 11	2, 0	2, 3	I_2,IV*	**3** : 1
B1	1	−1	0	−6	−4	1	1	+	3, 5	3, 0	1, 1	I_3,II	**3** : 2
B2	1	−1	0	−96	386	1	3	+	1, 11	1, 0	1, 3	I_1,IV*	**3** : 1
C1	1	−1	0	−123	557	0	3	+	3, 7	3, 0	1, 3	I_3,IV	**3** : 2
C2	1	−1	0	−258	−748	0	1	+	9, 13	9, 0	1, 1	I_9,II*	**3** : 1
D1	1	−1	1	−20	−29	0	1	−	2, 5	2, 0	2, 1	I_2,II	**3** : 2
D2	1	−1	1	25	−161	0	3	−	6, 11	6, 0	6, 3	I_6,IV*	**3** : 1
E1	1	−1	1	−11	−11	0	1	+	1, 5	1, 0	1, 1	I_1,II	**3** : 2
E2	1	−1	1	−56	163	0	3	+	3, 11	3, 0	3, 3	I_3,IV*	**3** : 1
F1	1	−1	1	−29	37	1	3	+	9, 7	9, 0	9, 3	I_9,IV	**3** : 2
F2	1	−1	1	−1109	−13931	1	1	+	3, 13	3, 0	3, 1	I_3,II*	**3** : 1
490							$N = 490 = 2 \cdot 5 \cdot 7^2$ (11 isogeny classes)						**490**
A1	1	0	1	121	46	1	3	−	2, 1, 8	2, 1, 0	2, 1, 3	I_2,I_1,IV*	**3** : 2
A2	1	0	1	−1594	−26708	1	1	−	6, 3, 8	6, 3, 0	2, 1, 3	I_6,I_3,IV*	**3** : 1
B1	1	1	0	17	−27	0	1	−	7, 3, 2	7, 3, 0	1, 1, 1	I_7,I_3,II	**3** : 2
B2	1	1	0	−158	1268	0	1	−	21, 1, 2	21, 1, 0	1, 1, 1	I_{21},I_1,II	**3** : 1
C1	1	0	1	807	11708	0	3	−	7, 3, 8	7, 3, 0	1, 3, 3	I_7,I_3,IV*	**3** : 2
C2	1	0	1	−7768	−458202	0	1	−	21, 1, 8	21, 1, 0	1, 1, 3	I_{21},I_1,IV*	**3** : 1
D1	1	1	0	3	1	1	1	−	2, 1, 2	2, 1, 0	2, 1, 1	I_2,I_1,II	**3** : 2
D2	1	1	0	−32	64	1	1	−	6, 3, 2	6, 3, 0	2, 3, 1	I_6,I_3,II	**3** : 1
E1	1	0	0	−1	−15	0	3	−	3, 1, 4	3, 1, 0	3, 1, 3	I_3,I_1,IV	**3** : 2
E2	1	0	0	−491	−4229	0	1	−	1, 3, 4	1, 3, 0	1, 1, 3	I_1,I_3,IV	**3** : 1
F1	1	−1	1	−6453	201121	0	1	−	2, 1, 8	2, 1, 0	2, 1, 1	I_2,I_1,IV*	**7** : 2
F2	1	−1	1	44997	−1904213	0	1	−	14, 7, 8	14, 7, 0	14, 1, 1	I_{14},I_7,IV*	**7** : 1
G1	1	0	0	−71	265	1	2	−	10, 2, 3	10, 2, 0	10, 2, 2	I_{10},I_2,III	**2** : 2
G2	1	0	0	−1191	15721	1	2	+	5, 4, 3	5, 4, 0	5, 2, 2	I_5,I_4,III	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

490 $N = 490 = 2 \cdot 5 \cdot 7^2$ (continued) 490

H1	1	−1	1	113	711	0	4	−	4, 2, 7	4, 2, 1	4, 2, 4	I_4,I_2,I_1^*	**2** : 2
H2	1	−1	1	−867	8159	0	4	+	2, 4, 8	2, 4, 2	2, 4, 4	I_2,I_4,I_2^*	**2** : 1, 3, 4
H3	1	−1	1	−4297	−100229	0	2	+	1, 8, 7	1, 8, 1	1, 8, 2	I_1,I_8,I_1^*	**2** : 2
H4	1	−1	1	−13117	581459	0	2	+	1, 2, 10	1, 2, 4	1, 2, 4	I_1,I_2,I_4^*	**2** : 2
I1	1	1	1	−50	5095	0	1	−	3, 1, 10	3, 1, 0	3, 1, 1	I_3,I_1,II*	**3** : 2
I2	1	1	1	−24060	1426487	0	1	−	1, 3, 10	1, 3, 0	1, 3, 1	I_1,I_3,II*	**3** : 1
J1	1	1	1	−3480	−94375	0	2	−	10, 2, 9	10, 2, 0	10, 2, 2	I_{10},I_2,III*	**2** : 2
J2	1	1	1	−58360	−5450663	0	2	+	5, 4, 9	5, 4, 0	5, 4, 2	I_5,I_4,III*	**2** : 1
K1	1	−1	1	−132	−549	0	1	−	2, 1, 2	2, 1, 0	2, 1, 1	I_2,I_1,II	**7** : 2
K2	1	−1	1	918	5289	0	7	−	14, 7, 2	14, 7, 0	14, 7, 1	I_{14},I_7,II	**7** : 1

492 $N = 492 = 2^2 \cdot 3 \cdot 41$ (2 isogeny classes) 492

A1	0	−1	0	−13	25	1	1	−	8, 1, 1	0, 1, 1	3, 1, 1	IV*,I_1,I_1	
B1	0	1	0	11	695	1	1	−	8, 9, 1	0, 9, 1	3, 9, 1	IV*,I_9,I_1	

493 $N = 493 = 17 \cdot 29$ (2 isogeny classes) 493

A1	1	−1	1	−7741	801682	0	1	−	1, 9	1, 9	1, 1	I_1,I_9	
B1	1	−1	1	−57	222	1	1	−	2, 3	2, 3	2, 3	I_2,I_3	

494 $N = 494 = 2 \cdot 13 \cdot 19$ (4 isogeny classes) 494

A1	1	1	0	13	13	1	1	−	5, 1, 2	5, 1, 2	1, 1, 2	I_5,I_1,I_2	
B1	1	−1	0	4	0	0	2	−	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
B2	1	−1	0	−16	12	0	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
B3	1	−1	0	−146	−638	0	2	+	1, 1, 4	1, 1, 4	1, 1, 4	I_1,I_1,I_4	**2** : 2
B4	1	−1	0	−206	1190	0	2	+	1, 4, 1	1, 4, 1	1, 2, 1	I_1,I_4,I_1	**2** : 2
C1	1	−1	0	−61	−169	0	1	−	1, 1, 2	1, 1, 2	1, 1, 2	I_1,I_1,I_2	
D1	1	1	1	−1001	12375	1	1	−	13, 3, 2	13, 3, 2	13, 3, 2	I_{13},I_3,I_2	

495 $N = 495 = 3^2 \cdot 5 \cdot 11$ (1 isogeny class) 495

A1	1	−1	1	7	−8	1	2	−	6, 1, 1	0, 1, 1	2, 1, 1	I_0^*,I_1,I_1	**2** : 2
A2	1	−1	1	−38	−44	1	4	+	6, 2, 2	0, 2, 2	4, 2, 2	I_0^*,I_2,I_2	**2** : 1, 3, 4
A3	1	−1	1	−533	−4598	1	2	+	6, 4, 1	0, 4, 1	2, 2, 1	I_0^*,I_4,I_1	**2** : 2
A4	1	−1	1	−263	1666	1	2	+	6, 1, 4	0, 1, 4	2, 1, 4	I_0^*,I_1,I_4	**2** : 2

496 $N = 496 = 2^4 \cdot 31$ (6 isogeny classes) 496

A1	0	0	0	1	1	1	1	−	4, 1	0, 1	1, 1	II,I_1	
B1	0	−1	0	0	−1	0	1	−	4, 1	0, 1	1, 1	II,I_1	
C1	0	−1	0	8	0	0	2	−	10, 1	0, 1	4, 1	I_2^*,I_1	**2** : 2
C2	0	−1	0	−32	32	0	2	+	11, 2	0, 2	2, 2	I_3^*,I_2	**2** : 1
D1	0	−1	0	−2	−1	0	1	−	4, 1	0, 1	1, 1	II,I_1	**3** : 2
D2	0	−1	0	18	11	0	1	−	4, 3	0, 3	1, 1	II,I_3	**3** : 1
E1	0	0	0	−17	27	1	1	−	4, 1	0, 1	1, 1	II,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

496 $N = 496 = 2^4 \cdot 31$ (continued) 496

F1	0	0	0	−11	−70	1	2	−	16, 1	4, 1	4, 1	I_8^*,I_1	**2** : 2
F2	0	0	0	−331	−2310	1	4	+	14, 2	2, 2	4, 2	I_6^*,I_2	**2** : 1, 3, 4
F3	0	0	0	−5291	−148134	1	2	+	13, 1	1, 1	2, 1	I_5^*,I_1	**2** : 2
F4	0	0	0	−491	154	1	4	+	13, 4	1, 4	4, 4	I_5^*,I_4	**2** : 2

497 $N = 497 = 7 \cdot 71$ (1 isogeny class) 497

A1	1	1	0	25	−14	1	1	−	5, 1	5, 1	5, 1	I_5,I_1	

498 $N = 498 = 2 \cdot 3 \cdot 83$ (2 isogeny classes) 498

A1	1	0	1	−5	−4	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
A2	1	0	1	5	−16	0	2	−	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
B1	1	0	1	−9	28	1	1	−	4, 5, 1	4, 5, 1	2, 5, 1	I_4,I_5,I_1	

501 $N = 501 = 3 \cdot 167$ (1 isogeny class) 501

A1	1	1	0	3	0	0	2	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1	1	0	−12	−15	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1

503 $N = 503 = 503$ (3 isogeny classes) 503

A1	1	0	1	−32	−71	1	1	−	1	1	1	I_1	
B1	1	−1	0	2	−1	0	1	−	1	1	1	I_1	
C1	1	0	0	−210	−1189	0	1	−	1	1	1	I_1	

504 $N = 504 = 2^3 \cdot 3^2 \cdot 7$ (8 isogeny classes) 504

A1	0	0	0	−6	9	1	2	−	4, 3, 2	0, 0, 2	2, 2, 2	III,III,I_2	**2** : 2
A2	0	0	0	−111	450	1	2	+	8, 3, 1	0, 0, 1	2, 2, 1	I_1^*,III,I_1	**2** : 1
B1	0	0	0	−54	−135	0	2	+	4, 9, 1	0, 0, 1	2, 2, 1	III,III*,I_1	**2** : 2
B2	0	0	0	81	−702	0	2	−	8, 9, 2	0, 0, 2	2, 2, 2	I_1^*,III*,I_2	**2** : 1
C1	0	0	0	9	−54	0	2	−	8, 6, 1	0, 0, 1	2, 2, 1	I_1^*,I_0^*,I_1	**2** : 2
C2	0	0	0	−171	−810	0	4	+	10, 6, 2	0, 0, 2	2, 4, 2	III*,I_0^*,I_2	**2** : 1, 3, 4
C3	0	0	0	−2691	−53730	0	2	+	11, 6, 1	0, 0, 1	1, 2, 1	II*,I_0^*,I_1	**2** : 2
C4	0	0	0	−531	3726	0	2	+	11, 6, 4	0, 0, 4	1, 2, 2	II*,I_0^*,I_4	**2** : 2
D1	0	0	0	−54	−243	0	2	−	4, 9, 2	0, 0, 2	2, 2, 2	III,III*,I_2	**2** : 2
D2	0	0	0	−999	−12150	0	2	+	8, 9, 1	0, 0, 1	4, 2, 1	I_1^*,III*,I_1	**2** : 1
E1	0	0	0	−6	5	1	2	+	4, 3, 1	0, 0, 1	2, 2, 1	III,III,I_1	**2** : 2
E2	0	0	0	9	26	1	2	−	8, 3, 2	0, 0, 2	4, 2, 2	I_1^*,III,I_2	**2** : 1
F1	0	0	0	−66	205	1	4	+	4, 7, 1	0, 1, 1	2, 4, 1	III,I_1^*,I_1	**2** : 2
F2	0	0	0	−111	−110	1	4	+	8, 8, 2	0, 2, 2	4, 4, 2	I_1^*,I_2^*,I_2	**2** : 1, 3, 4
F3	0	0	0	−1371	−19514	1	2	+	10, 10, 1	0, 4, 1	2, 4, 1	III*,I_4^*,I_1	**2** : 2
F4	0	0	0	429	−866	1	2	−	10, 7, 4	0, 1, 4	2, 2, 2	III*,I_1^*,I_4	**2** : 2
G1	0	0	0	−66	−1339	0	4	−	4, 9, 4	0, 3, 4	2, 4, 4	III,I_3^*,I_4	**2** : 2
G2	0	0	0	−2271	−41470	0	4	+	8, 12, 2	0, 6, 2	4, 4, 2	I_1^*,I_6^*,I_2	**2** : 1, 3, 4
G3	0	0	0	−36291	−2661010	0	2	+	10, 9, 1	0, 3, 1	2, 2, 1	III*,I_3^*,I_1	**2** : 2
G4	0	0	0	−3531	9686	0	2	+	10, 18, 1	0, 12, 1	2, 4, 1	III*,I_{12}^*,I_1	**2** : 2
H1	0	0	0	−3	110	0	2	−	10, 6, 1	0, 0, 1	2, 2, 1	III*,I_0^*,I_1	**2** : 2
H2	0	0	0	−363	2630	0	2	+	11, 6, 2	0, 0, 2	1, 2, 2	II*,I_0^*,I_2	**2** : 1

	a_1 a_2 a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
505	$N = 505 = 5 \cdot 101$ (1 isogeny class)									**505**
A1	1 −1 0	−10	15	1	2	+ 1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
A2	1 −1 0	−5	26	1	2	− 2, 2	2, 2	2, 2	I_2,I_2	**2** : 1
506	$N = 506 = 2 \cdot 11 \cdot 23$ (6 isogeny classes)									**506**
A1	1 0 1	−48	−130	1	1	+ 7, 1, 1	7, 1, 1	1, 1, 1	I_7,I_1,I_1	
B1	1 −1 0	−290561	60356981	0	1	+ 3, 7, 1	3, 7, 1	1, 1, 1	I_3,I_7,I_1	
C1	1 0 1	−12	8	0	3	+ 1, 3, 1	1, 3, 1	1, 3, 1	I_1,I_3,I_1	**3** : 2
C2	1 0 1	−397	−3072	0	1	+ 3, 1, 3	3, 1, 3	1, 1, 1	I_3,I_1,I_3	**3** : 1
D1	1 −1 0	−935	11229	1	1	+ 5, 5, 1	5, 5, 1	1, 5, 1	I_5,I_5,I_1	
E1	1 −1 1	−4	−1	1	1	+ 3, 1, 1	3, 1, 1	3, 1, 1	I_3,I_1,I_1	
F1	1 0 0	−86	292	1	1	+ 13, 1, 1	13, 1, 1	13, 1, 1	I_{13},I_1,I_1	
507	$N = 507 = 3 \cdot 13^2$ (3 isogeny classes)									**507**
A1	1 1 0	−1693	26434	1	1	− 2, 8	2, 0	2, 3	I_2,IV^*	**7** : 2
A2	1 1 0	−12678	−3060351	1	1	− 14, 8	14, 0	2, 3	I_{14},IV^*	**7** : 1
B1	1 1 1	−10	8	1	1	− 2, 2	2, 0	2, 1	I_2,II	**7** : 2
B2	1 1 1	−75	−1422	1	1	− 14, 2	14, 0	2, 1	I_{14},II	**7** : 1
C1	1 1 1	81	−564	1	4	− 1, 7	1, 1	1, 4	I_1,I_1^*	**2** : 2
C2	1 1 1	−764	−7324	1	4	+ 2, 8	2, 2	2, 4	I_2,I_2^*	**2** : 1, 3, 4
C3	1 1 1	−11749	−495058	1	2	+ 4, 7	4, 1	2, 4	I_4,I_1^*	**2** : 2
C4	1 1 1	−3299	64670	1	2	+ 1, 10	1, 4	1, 4	I_1,I_4^*	**2** : 2
510	$N = 510 = 2 \cdot 3 \cdot 5 \cdot 17$ (7 isogeny classes)									**510**
A1	1 1 0	−2673	67797	0	2	− 18, 7, 1, 2	18, 7, 1, 2	2, 1, 1, 2	I_{18},I_7,I_1,I_2	**2** : 2
A2	1 1 0	−46193	3801813	0	2	+ 9, 14, 2, 1	9, 14, 2, 1	1, 2, 2, 1	I_9,I_{14},I_2,I_1	**2** : 1
B1	1 0 1	−723	−7634	0	2	− 14, 3, 1, 2	14, 3, 1, 2	2, 3, 1, 2	I_{14},I_3,I_1,I_2	**2** : 2
B2	1 0 1	−11603	−482002	0	2	+ 7, 6, 2, 1	7, 6, 2, 1	1, 6, 2, 1	I_7,I_6,I_2,I_1	**2** : 1
C1	1 1 1	14	59	0	2	− 2, 5, 1, 2	2, 5, 1, 2	2, 1, 1, 2	I_2,I_5,I_1,I_2	**2** : 2
C2	1 1 1	−156	603	0	2	+ 1, 10, 2, 1	1, 10, 2, 1	1, 2, 2, 1	I_1,I_{10},I_2,I_1	**2** : 1
D1	1 1 1	−101	299	1	4	+ 12, 2, 2, 1	12, 2, 2, 1	12, 2, 2, 1	I_{12},I_2,I_2,I_1	**2** : 2
D2	1 1 1	−421	−3157	1	4	+ 6, 4, 4, 2	6, 4, 4, 2	6, 2, 2, 2	I_6,I_4,I_4,I_2	**2** : 1, 3, 4
D3	1 1 1	−6541	−206341	1	2	+ 3, 2, 8, 1	3, 2, 8, 1	3, 2, 2, 1	I_3,I_2,I_8,I_1	**2** : 2
D4	1 1 1	579	−14757	1	2	− 3, 8, 2, 4	3, 8, 2, 4	3, 2, 2, 4	I_3,I_8,I_2,I_4	**2** : 2
E1	1 1 1	−80	305	0	4	− 16, 1, 1, 1	16, 1, 1, 1	16, 1, 1, 1	I_{16},I_1,I_1,I_1	**2** : 2
E2	1 1 1	−1360	18737	0	8	+ 8, 2, 2, 2	8, 2, 2, 2	8, 2, 2, 2	I_8,I_2,I_2,I_2	**2** : 1, 3, 4
E3	1 1 1	−1440	16305	0	8	+ 4, 4, 4, 4	4, 4, 4, 4	4, 2, 4, 4	I_4,I_4,I_4,I_4	**2** : 2, 5, 6
E4	1 1 1	−21760	1226417	0	4	+ 4, 1, 1, 1	4, 1, 1, 1	4, 1, 1, 1	I_4,I_1,I_1,I_1	**2** : 2
E5	1 1 1	−7220	−224143	0	4	+ 2, 8, 8, 2	2, 8, 8, 2	2, 2, 8, 2	I_2,I_8,I_8,I_2	**2** : 3, 7, 8
E6	1 1 1	3060	102705	0	4	− 2, 2, 2, 8	2, 2, 2, 8	2, 2, 2, 8	I_2,I_2,I_2,I_8	**2** : 3
E7	1 1 1	−113470	−14759143	0	2	+ 1, 16, 4, 1	1, 16, 4, 1	1, 2, 4, 1	I_1,I_{16},I_4,I_1	**2** : 5
E8	1 1 1	6550	−962215	0	2	− 1, 4, 16, 1	1, 4, 16, 1	1, 2, 16, 1	I_1,I_4,I_{16},I_1	**2** : 5
F1	1 0 0	4	0	0	2	− 4, 1, 1, 1	4, 1, 1, 1	4, 1, 1, 1	I_4,I_1,I_1,I_1	**2** : 2
F2	1 0 0	−16	−4	0	4	+ 2, 2, 2, 2	2, 2, 2, 2	2, 2, 2, 2	I_2,I_2,I_2,I_2	**2** : 1, 3, 4
F3	1 0 0	−186	−990	0	2	+ 1, 4, 4, 1	1, 4, 4, 1	1, 4, 2, 1	I_1,I_4,I_4,I_1	**2** : 2
F4	1 0 0	−166	806	0	2	+ 1, 1, 1, 4	1, 1, 1, 4	1, 1, 1, 4	I_1,I_1,I_1,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
510				$N = 510 = 2 \cdot 3 \cdot 5 \cdot 17$ (continued)								**510**
G1	1	0	0	25	−375	0	6	− 6, 3, 3, 2	6, 3, 3, 2	6, 3, 3, 2	I_6,I_3,I_3,I_2	**2** : 2; **3** : 3
G2	1	0	0	−655	−6223	0	6	+ 3, 6, 6, 1	3, 6, 6, 1	3, 6, 6, 1	I_3,I_6,I_6,I_1	**2** : 1; **3** : 4
G3	1	0	0	−3275	−72435	0	2	− 2, 1, 1, 6	2, 1, 1, 6	2, 1, 1, 2	I_2,I_1,I_1,I_6	**2** : 4; **3** : 1
G4	1	0	0	−52405	−4621873	0	2	+ 1, 2, 2, 3	1, 2, 2, 3	1, 2, 2, 1	I_1,I_2,I_2,I_3	**2** : 3; **3** : 2
513				$N = 513 = 3^3 \cdot 19$ (2 isogeny classes)								**513**
A1	1	−1	0	−42	−127	1	1	− 11, 1	0, 1	1, 1	II*,I_1	
B1	1	−1	1	−5	6	1	1	− 5, 1	0, 1	3, 1	IV,I_1	
514				$N = 514 = 2 \cdot 257$ (2 isogeny classes)								**514**
A1	1	−1	1	−91	−245	1	4	+ 16, 1	16, 1	16, 1	I_{16},I_1	**2** : 2
A2	1	−1	1	−1371	−19189	1	4	+ 8, 2	8, 2	8, 2	I_8,I_2	**2** : 1, 3, 4
A3	1	−1	1	−21931	−1244565	1	2	+ 4, 1	4, 1	4, 1	I_4,I_1	**2** : 2
A4	1	−1	1	−1291	−21589	1	4	− 4, 4	4, 4	4, 4	I_4,I_4	**2** : 2
B1	1	0	0	−4	0	1	2	+ 4, 1	4, 1	4, 1	I_4,I_1	**2** : 2
B2	1	0	0	16	4	1	2	− 2, 2	2, 2	2, 2	I_2,I_2	**2** : 1
516				$N = 516 = 2^2 \cdot 3 \cdot 43$ (4 isogeny classes)								**516**
A1	0	−1	0	−4	−8	0	1	− 8, 1, 1	0, 1, 1	1, 1, 1	IV*,I_1,I_1	
B1	0	−1	0	11	−47	1	1	− 8, 4, 1	0, 4, 1	3, 2, 1	IV*,I_4,I_1	
C1	0	1	0	−13	−28	0	2	− 4, 1, 2	0, 1, 2	3, 1, 2	IV,I_1,I_2	**2** : 2
C2	0	1	0	−228	−1404	0	2	+ 8, 2, 1	0, 2, 1	3, 2, 1	IV*,I_2,I_1	**2** : 1
D1	0	1	0	−44	−732	0	3	− 8, 9, 1	0, 9, 1	3, 9, 1	IV*,I_9,I_1	**3** : 2
D2	0	1	0	−7604	−257772	0	1	− 8, 3, 3	0, 3, 3	1, 3, 3	IV*,I_3,I_3	**3** : 1
517				$N = 517 = 11 \cdot 47$ (3 isogeny classes)								**517**
A1	0	−1	1	36	−3	0	1	− 3, 2	3, 2	1, 2	I_3,I_2	
B1	0	0	1	−16	−26	0	1	− 1, 2	1, 2	1, 2	I_1,I_2	
C1	0	−1	1	−52	−3863	1	1	− 3, 4	3, 4	3, 4	I_3,I_4	
520				$N = 520 = 2^3 \cdot 5 \cdot 13$ (2 isogeny classes)								**520**
A1	0	0	0	−23	42	1	2	+ 8, 1, 1	0, 1, 1	2, 1, 1	I_1^*,I_1,I_1	**2** : 2
A2	0	0	0	−43	−42	1	4	+ 10, 2, 2	0, 2, 2	2, 2, 2	III*,I_2,I_2	**2** : 1, 3, 4
A3	0	0	0	−563	−5138	1	2	+ 11, 4, 1	0, 4, 1	1, 2, 1	II*,I_4,I_1	**2** : 2
A4	0	0	0	157	−322	1	2	− 11, 1, 4	0, 1, 4	1, 1, 2	II*,I_1,I_4	**2** : 2
B1	0	−1	0	−20	−28	0	2	+ 8, 1, 1	0, 1, 1	4, 1, 1	I_1^*,I_1,I_1	**2** : 2
B2	0	−1	0	0	−100	0	2	− 10, 2, 2	0, 2, 2	2, 2, 2	III*,I_2,I_2	**2** : 1
522				$N = 522 = 2 \cdot 3^2 \cdot 29$ (13 isogeny classes)								**522**
A1	1	−1	0	12	−208	1	1	− 5, 9, 1	5, 0, 1	1, 2, 1	I_5,III*,I_1	
B1	1	−1	0	−2046	36244	0	2	− 22, 3, 1	22, 0, 1	2, 2, 1	I_{22},III,I_1	**2** : 2
B2	1	−1	0	−32766	2291092	0	2	+ 11, 3, 2	11, 0, 2	1, 2, 2	I_{11},III,I_2	**2** : 1
C1	1	−1	0	−6	−54	0	3	− 1, 3, 3	1, 0, 3	1, 2, 3	I_1,III,I_3	**3** : 2
C2	1	−1	0	−1311	−17947	0	1	− 3, 9, 1	3, 0, 1	1, 2, 1	I_3,III*,I_1	**3** : 1
D1	1	−1	0	−9	−3699	0	1	− 7, 13, 1	7, 7, 1	1, 2, 1	I_7,I_7^*,I_1	**7** : 2
D2	1	−1	0	−58599	5490531	0	1	− 1, 7, 7	1, 1, 7	1, 2, 1	I_1,I_1^*,I_7	**7** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
522					$N = 522 = 2 \cdot 3^2 \cdot 29$ (continued)								**522**
E1	1	−1	0	−45	139	1	1	−	1, 9, 1	1, 3, 1	1, 4, 1	I_1,I_3^*,I_1	
F1	1	−1	0	45	−203	1	1	−	10, 6, 1	10, 0, 1	2, 1, 1	I_{10},I_0^*,I_1	**5** : 2
F2	1	−1	0	−4095	102577	1	1	−	2, 6, 5	2, 0, 5	2, 1, 5	I_2,I_0^*,I_5	**5** : 1
G1	1	−1	1	−18416	−960173	0	2	−	22, 9, 1	22, 0, 1	22, 2, 1	I_{22},III*,I_1	**2** : 2
G2	1	−1	1	−294896	−61564589	0	2	+	11, 9, 2	11, 0, 2	11, 2, 2	I_{11},III*,I_2	**2** : 1
H1	1	−1	1	−146	713	0	3	−	3, 3, 1	3, 0, 1	3, 2, 1	I_3,III,I_1	**3** : 2
H2	1	−1	1	−56	1513	0	1	−	1, 9, 3	1, 0, 3	1, 2, 1	I_1,III*,I_3	**3** : 1
I1	1	−1	1	1	7	1	1	−	5, 3, 1	5, 0, 1	5, 2, 1	I_5,III,I_1	
J1	1	−1	1	−509	4677	1	1	−	13, 7, 1	13, 1, 1	13, 4, 1	I_{13},I_1^*,I_1	
K1	1	−1	1	4	47	0	4	−	4, 7, 1	4, 1, 1	4, 4, 1	I_4,I_1^*,I_1	**2** : 2
K2	1	−1	1	−176	911	0	4	+	2, 8, 2	2, 2, 2	2, 4, 2	I_2,I_2^*,I_2	**2** : 1, 3, 4
K3	1	−1	1	−446	−2329	0	2	+	1, 7, 4	1, 1, 4	1, 2, 4	I_1,I_1^*,I_4	**2** : 2
K4	1	−1	1	−2786	57287	0	2	+	1, 10, 1	1, 4, 1	1, 4, 1	I_1,I_4^*,I_1	**2** : 2
L1	1	−1	1	−11	−17	0	1	−	2, 6, 1	2, 0, 1	2, 1, 1	I_2,I_0^*,I_1	
M1	1	−1	1	−69341	−33115291	0	1	−	11, 27, 1	11, 21, 1	11, 2, 1	I_{11},I_{21}^*,I_1	**3** : 2
M2	1	−1	1	619564	858878903	0	3	−	33, 13, 3	33, 7, 3	33, 2, 3	I_{33},I_7^*,I_3	**3** : 1
524					$N = 524 = 2^2 \cdot 131$ (1 isogeny class)								**524**
A1	0	1	0	−309	1991	1	1	−	8, 1	0, 1	1, 1	IV*,I_1	
525					$N = 525 = 3 \cdot 5^2 \cdot 7$ (4 isogeny classes)								**525**
A1	1	1	1	−63	156	1	4	+	1, 7, 1	1, 1, 1	1, 4, 1	I_1,I_1^*,I_1	**2** : 2
A2	1	1	1	−188	−844	1	4	+	2, 8, 2	2, 2, 2	2, 4, 2	I_2,I_2^*,I_2	**2** : 1, 3, 4
A3	1	1	1	−2813	−58594	1	2	+	1, 10, 1	1, 4, 1	1, 4, 1	I_1,I_4^*,I_1	**2** : 2
A4	1	1	1	437	−4594	1	2	−	4, 7, 4	4, 1, 4	2, 4, 2	I_4,I_1^*,I_4	**2** : 2
B1	1	1	0	25	0	0	2	−	2, 6, 1	2, 0, 1	2, 2, 1	I_2,I_0^*,I_1	**2** : 2
B2	1	1	0	−100	−125	0	4	+	4, 6, 2	4, 0, 2	2, 4, 2	I_4,I_0^*,I_2	**2** : 1, 3, 4
B3	1	1	0	−1225	−17000	0	4	+	2, 6, 4	2, 0, 4	2, 4, 4	I_2,I_0^*,I_4	**2** : 2, 5, 6
B4	1	1	0	−975	11250	0	2	+	8, 6, 1	8, 0, 1	2, 2, 1	I_8,I_0^*,I_1	**2** : 2
B5	1	1	0	−19600	−1064375	0	2	+	1, 6, 2	1, 0, 2	1, 2, 2	I_1,I_0^*,I_2	**2** : 3
B6	1	1	0	−850	−27125	0	2	−	1, 6, 8	1, 0, 8	1, 2, 8	I_1,I_0^*,I_8	**2** : 3
C1	1	1	0	−450	3375	1	2	+	3, 9, 1	3, 0, 1	1, 2, 1	I_3,III*,I_1	**2** : 2
C2	1	1	0	175	12750	1	2	−	6, 9, 2	6, 0, 2	2, 2, 2	I_6,III*,I_2	**2** : 1
D1	1	0	0	−18	27	1	2	+	3, 3, 1	3, 0, 1	3, 2, 1	I_3,III,I_1	**2** : 2
D2	1	0	0	7	102	1	2	−	6, 3, 2	6, 0, 2	6, 2, 2	I_6,III,I_2	**2** : 1
528					$N = 528 = 2^4 \cdot 3 \cdot 11$ (10 isogeny classes)								**528**
A1	0	−1	0	−8	0	1	2	+	10, 1, 1	0, 1, 1	4, 1, 1	I_2^*,I_1,I_1	**2** : 2
A2	0	−1	0	32	−32	1	2	−	11, 2, 2	0, 2, 2	4, 2, 2	I_3^*,I_2,I_2	**2** : 1
B1	0	−1	0	1	−6	0	2	−	4, 4, 1	0, 4, 1	1, 2, 1	II,I_4,I_1	**2** : 2
B2	0	−1	0	−44	−96	0	4	+	8, 2, 2	0, 2, 2	2, 2, 2	I_0^*,I_2,I_2	**2** : 1, 3, 4
B3	0	−1	0	−704	−6960	0	2	+	10, 1, 1	0, 1, 1	4, 1, 1	I_2^*,I_1,I_1	**2** : 2
B4	0	−1	0	−104	288	0	4	+	10, 1, 4	0, 1, 4	2, 1, 4	I_2^*,I_1,I_4	**2** : 2
C1	0	−1	0	−8016	278928	0	2	+	10, 7, 1	0, 7, 1	4, 1, 1	I_2^*,I_7,I_1	**2** : 2
C2	0	−1	0	−7976	281808	0	2	−	11, 14, 2	0, 14, 2	2, 2, 2	I_3^*,I_{14},I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
528				$N = 528 = 2^4 \cdot 3 \cdot 11$ (continued)								**528**
D1	0	1	0	−12	12	0	2	+ 8, 1, 1	0, 1, 1	2, 1, 1	I_0^*,I_1,I_1	**2** : 2
D2	0	1	0	−32	−60	0	4	+ 10, 2, 2	0, 2, 2	4, 2, 2	I_2^*,I_2,I_2	**2** : 1, 3, 4
D3	0	1	0	−472	−4108	0	2	+ 11, 4, 1	0, 4, 1	2, 4, 1	I_3^*,I_4,I_1	**2** : 2
D4	0	1	0	88	−300	0	2	− 11, 1, 4	0, 1, 4	4, 1, 2	I_3^*,I_1,I_4	**2** : 2
E1	0	−1	0	3	0	0	2	− 4, 2, 1	0, 2, 1	1, 2, 1	II,I_2,I_1	**2** : 2
E2	0	−1	0	−12	12	0	2	+ 8, 1, 2	0, 1, 2	1, 1, 2	I_0^*,I_1,I_2	**2** : 1
F1	0	−1	0	−720	−5184	0	2	+ 22, 5, 1	10, 5, 1	4, 1, 1	I_{14}^*,I_5,I_1	**2** : 2; **5** : 3
F2	0	−1	0	1840	−35904	0	2	− 17, 10, 2	5, 10, 2	2, 2, 2	I_9^*,I_{10},I_2	**2** : 1; **5** : 4
F3	0	−1	0	−161040	24927936	0	2	+ 14, 1, 5	2, 1, 5	4, 1, 1	I_6^*,I_1,I_5	**2** : 4; **5** : 1
F4	0	−1	0	−160880	24979776	0	2	− 13, 2, 10	1, 2, 10	2, 2, 2	I_5^*,I_2,I_{10}	**2** : 3; **5** : 2
G1	0	−1	0	−88	−272	1	2	+ 14, 3, 1	2, 3, 1	4, 1, 1	I_6^*,I_3,I_1	**2** : 2; **3** : 3
G2	0	−1	0	72	−1296	1	2	− 13, 6, 2	1, 6, 2	4, 2, 2	I_5^*,I_6,I_2	**2** : 1; **3** : 4
G3	0	−1	0	−1288	18160	1	2	+ 18, 1, 3	6, 1, 3	4, 1, 3	I_{10}^*,I_1,I_3	**2** : 4; **3** : 1
G4	0	−1	0	−648	35568	1	2	− 15, 2, 6	3, 2, 6	4, 2, 6	I_7^*,I_2,I_6	**2** : 3; **3** : 2
H1	0	1	0	−104	372	1	2	+ 12, 3, 1	0, 3, 1	4, 3, 1	I_4^*,I_3,I_1	**2** : 2
H2	0	1	0	−184	−364	1	4	+ 12, 6, 2	0, 6, 2	4, 6, 2	I_4^*,I_6,I_2	**2** : 1, 3, 4
H3	0	1	0	−2344	−44428	1	2	+ 12, 3, 4	0, 3, 4	2, 3, 2	I_4^*,I_3,I_4	**2** : 2
H4	0	1	0	696	−2124	1	4	− 12, 12, 1	0, 12, 1	4, 12, 1	I_4^*,I_{12},I_1	**2** : 2
I1	0	1	0	−77	−330	0	2	− 4, 10, 1	0, 10, 1	1, 10, 1	II,I_{10},I_1	**2** : 2
I2	0	1	0	−1292	−18312	0	2	+ 8, 5, 2	0, 5, 2	1, 5, 2	I_0^*,I_5,I_2	**2** : 1
J1	0	1	0	−32	−12	0	2	+ 16, 1, 1	4, 1, 1	4, 1, 1	I_8^*,I_1,I_1	**2** : 2
J2	0	1	0	−352	2420	0	4	+ 14, 2, 2	2, 2, 2	4, 2, 2	I_6^*,I_2,I_2	**2** : 1, 3, 4
J3	0	1	0	−5632	160820	0	2	+ 13, 1, 1	1, 1, 1	4, 1, 1	I_5^*,I_1,I_1	**2** : 2
J4	0	1	0	−192	4788	0	4	− 13, 4, 4	1, 4, 4	2, 4, 4	I_5^*,I_4,I_4	**2** : 2
530				$N = 530 = 2 \cdot 5 \cdot 53$ (4 isogeny classes)								**530**
A1	1	0	1	−14	−188	0	3	− 2, 2, 3	2, 2, 3	2, 2, 3	I_2,I_2,I_3	**3** : 2
A2	1	0	1	−2929	−61244	0	1	− 6, 6, 1	6, 6, 1	2, 2, 1	I_6,I_6,I_1	**3** : 1
B1	1	−1	0	−4	0	1	2	+ 4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
B2	1	−1	0	16	−12	1	2	− 2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1
C1	1	−1	0	1226	30580	1	1	− 10, 10, 1	10, 10, 1	2, 10, 1	I_{10},I_{10},I_1	
D1	1	1	1	9	13	1	1	− 6, 2, 1	6, 2, 1	6, 2, 1	I_6,I_2,I_1	
532				$N = 532 = 2^2 \cdot 7 \cdot 19$ (1 isogeny class)								**532**
A1	0	0	0	4	5	0	2	− 4, 2, 1	0, 2, 1	1, 2, 1	IV,I_2,I_1	**2** : 2
A2	0	0	0	−31	54	0	2	+ 8, 1, 2	0, 1, 2	1, 1, 2	IV*,I_1,I_2	**2** : 1
534				$N = 534 = 2 \cdot 3 \cdot 89$ (1 isogeny class)								**534**
A1	1	1	1	−14	11	1	2	+ 6, 2, 1	6, 2, 1	6, 2, 1	I_6,I_2,I_1	**2** : 2
A2	1	1	1	26	107	1	2	− 3, 4, 2	3, 4, 2	3, 2, 2	I_3,I_4,I_2	**2** : 1
537				$N = 537 = 3 \cdot 179$ (5 isogeny classes)								**537**
A1	1	1	0	−120	909	0	1	− 13, 1	13, 1	1, 1	I_{13},I_1	
B1	0	1	1	−75	−277	0	1	− 2, 1	2, 1	2, 1	I_2,I_1	
C1	0	1	1	13	5	0	3	− 6, 1	6, 1	6, 1	I_6,I_1	**3** : 2
C2	0	1	1	−167	−958	0	1	− 2, 3	2, 3	2, 1	I_2,I_3	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
537						$N = 537 = 3 \cdot 179$ (continued)							**537**
D1	1	0	1	1	−1	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	
E1	0	1	1	−340	2308	0	5	−	10, 1	10, 1	10, 1	I_{10},I_1	**5** : 2
E2	0	1	1	2450	−39812	0	1	−	2, 5	2, 5	2, 1	I_2,I_5	**5** : 1
539						$N = 539 = 7^2 \cdot 11$ (4 isogeny classes)							**539**
A1	0	−1	1	−4377	−110013	0	1	−	8, 1	2, 1	2, 1	I_2^*,I_1	**3** : 2
A2	0	−1	1	−2417	−210708	0	1	−	12, 3	6, 3	2, 1	I_6^*,I_3	**3** : 1, 3
A3	0	−1	1	21593	5467657	0	1	−	8, 9	2, 9	2, 1	I_2^*,I_9	**3** : 2
B1	0	0	1	98	−86	0	1	−	8, 1	2, 1	2, 1	I_2^*,I_1	
C1	1	0	1	170	−3237	1	2	−	9, 2	3, 2	4, 2	I_3^*,I_2	**2** : 2
C2	1	0	1	−2525	−45279	1	2	+	12, 1	6, 1	4, 1	I_6^*,I_1	**2** : 1
D1	0	1	1	−16	−66	1	1	−	6, 1	0, 1	2, 1	I_0^*,I_1	**5** : 2
D2	0	1	1	−506	7774	1	1	−	6, 5	0, 5	2, 5	I_0^*,I_5	**5** : 1, 3
D3	0	1	1	−383196	91174234	1	1	−	6, 1	0, 1	2, 1	I_0^*,I_1	**5** : 2
540						$N = 540 = 2^2 \cdot 3^3 \cdot 5$ (6 isogeny classes)							**540**
A1	0	0	0	−33	73	0	3	−	4, 3, 1	0, 0, 1	3, 1, 1	IV,II,I_1	**3** : 2
A2	0	0	0	27	297	0	1	−	4, 9, 3	0, 0, 3	1, 1, 1	IV,IV*,I_3	**3** : 1
B1	0	0	0	3	1	1	1	−	4, 3, 1	0, 0, 1	1, 1, 1	IV,II,I_1	**3** : 2
B2	0	0	0	−57	169	1	3	−	4, 5, 3	0, 0, 3	3, 3, 3	IV,IV,I_3	**3** : 1
C1	0	0	0	−648	6372	1	3	−	8, 9, 2	0, 0, 2	3, 3, 2	IV*,IV*,I_2	**3** : 2
C2	0	0	0	1512	33588	1	1	−	8, 11, 6	0, 0, 6	1, 1, 2	IV*,II*,I_6	**3** : 1
D1	0	0	0	27	−27	1	3	−	4, 9, 1	0, 0, 1	3, 3, 1	IV,IV*,I_1	**3** : 2
D2	0	0	0	−513	−4563	1	1	−	4, 11, 3	0, 0, 3	1, 1, 1	IV,II*,I_3	**3** : 1
E1	0	0	0	−72	−236	0	1	−	8, 3, 2	0, 0, 2	1, 1, 2	IV*,II,I_2	**3** : 2
E2	0	0	0	168	−1244	0	3	−	8, 5, 6	0, 0, 6	3, 1, 6	IV*,IV,I_6	**3** : 1
F1	0	0	0	3	−11	0	3	−	4, 3, 3	0, 0, 3	3, 1, 3	IV,II,I_3	**3** : 2
F2	0	0	0	−297	−1971	0	1	−	4, 9, 1	0, 0, 1	1, 3, 1	IV,IV*,I_1	**3** : 1
542						$N = 542 = 2 \cdot 271$ (2 isogeny classes)							**542**
A1	1	1	1	−37	−149	0	2	−	14, 1	14, 1	14, 1	I_{14},I_1	**2** : 2
A2	1	1	1	−677	−7061	0	2	+	7, 2	7, 2	7, 2	I_7,I_2	**2** : 1
B1	1	1	1	−8	9	1	1	−	7, 1	7, 1	7, 1	I_7,I_1	
544						$N = 544 = 2^5 \cdot 17$ (6 isogeny classes)							**544**
A1	0	0	0	−5	4	1	2	+	6, 1	0, 1	2, 1	III,I_1	**2** : 2
A2	0	0	0	5	18	1	2	−	9, 2	0, 2	1, 2	I_0^*,I_2	**2** : 1
B1	0	−1	0	−22	48	0	2	+	6, 1	0, 1	2, 1	III,I_1	**2** : 2
B2	0	−1	0	−17	65	0	2	−	12, 2	0, 2	2, 2	I_3^*,I_2	**2** : 1
C1	0	1	0	−22	−48	0	2	+	6, 1	0, 1	2, 1	III,I_1	**2** : 2
C2	0	1	0	−17	−65	0	2	−	12, 2	0, 2	2, 2	I_3^*,I_2	**2** : 1
D1	0	0	0	−5	−4	0	2	+	6, 1	0, 1	2, 1	III,I_1	**2** : 2
D2	0	0	0	5	−18	0	2	−	9, 2	0, 2	2, 2	I_0^*,I_2	**2** : 1
E1	0	−1	0	−6	8	0	2	+	6, 1	0, 1	2, 1	III,I_1	**2** : 2
E2	0	−1	0	−16	−12	0	2	+	9, 2	0, 2	2, 2	I_0^*,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

544 $N = 544 = 2^5 \cdot 17$ (continued) 544

F1	0	1	0	−6	−8	0	2	+	6, 1	0, 1	2, 1	III,I_1	**2** : 2
F2	0	1	0	−16	12	0	2	+	9, 2	0, 2	1, 2	I_0^*,I_2	**2** : 1

545 $N = 545 = 5 \cdot 109$ (1 isogeny class) 545

A1	1	−1	0	−284	1915	1	2	+	3, 1	3, 1	3, 1	I_3,I_1	**2** : 2
A2	1	−1	0	−289	1848	1	4	+	6, 2	6, 2	6, 2	I_6,I_2	**2** : 1, 3, 4
A3	1	−1	0	−914	−8277	1	2	+	3, 4	3, 4	3, 4	I_3,I_4	**2** : 2
A4	1	−1	0	256	7625	1	4	−	12, 1	12, 1	12, 1	I_{12},I_1	**2** : 2

546 $N = 546 = 2 \cdot 3 \cdot 7 \cdot 13$ (7 isogeny classes) 546

A1	1	1	0	−108	−486	0	1	−	1, 5, 3, 1	1, 5, 3, 1	1, 1, 1, 1	I_1,I_5,I_3,I_1	
B1	1	0	1	−8	−10	0	1	−	5, 1, 1, 1	5, 1, 1, 1	1, 1, 1, 1	I_5,I_1,I_1,I_1	
C1	1	0	1	−57	−164	1	2	+	8, 3, 1, 1	8, 3, 1, 1	2, 3, 1, 1	I_8,I_3,I_1,I_1	**2** : 2
C2	1	0	1	−137	380	1	4	+	4, 6, 2, 2	4, 6, 2, 2	2, 6, 2, 2	I_4,I_6,I_2,I_2	**2** : 1, 3, 4
C3	1	0	1	−1957	33140	1	4	+	2, 12, 1, 1	2, 12, 1, 1	2, 12, 1, 1	I_2,I_{12},I_1,I_1	**2** : 2
C4	1	0	1	403	2756	1	2	−	2, 3, 4, 4	2, 3, 4, 4	2, 3, 2, 4	I_2,I_3,I_4,I_4	**2** : 2
D1	1	0	1	13	182	0	3	−	3, 9, 1, 1	3, 9, 1, 1	1, 9, 1, 1	I_3,I_9,I_1,I_1	**3** : 2
D2	1	0	1	−122	−4948	0	3	−	9, 3, 3, 3	9, 3, 3, 3	1, 3, 3, 3	I_9,I_3,I_3,I_3	**3** : 1, 3
D3	1	0	1	−26057	−1621108	0	1	−	27, 1, 1, 1	27, 1, 1, 1	1, 1, 1, 1	I_{27},I_1,I_1,I_1	**3** : 2
E1	1	1	1	−100484	−12372091	0	1	−	17, 7, 1, 5	17, 7, 1, 5	17, 1, 1, 1	I_{17},I_7,I_1,I_5	
F1	1	0	0	714	−82908	0	7	−	7, 7, 7, 1	7, 7, 7, 1	7, 7, 7, 1	I_7,I_7,I_7,I_1	**7** : 2
F2	1	0	0	−3674496	−2711401518	0	1	−	1, 1, 1, 7	1, 1, 1, 7	1, 1, 1, 1	I_1,I_1,I_1,I_7	**7** : 1
G1	1	0	0	−7	−7	0	2	+	4, 1, 1, 1	4, 1, 1, 1	4, 1, 1, 1	I_4,I_1,I_1,I_1	**2** : 2
G2	1	0	0	−27	45	0	4	+	2, 2, 2, 2	2, 2, 2, 2	2, 2, 2, 2	I_2,I_2,I_2,I_2	**2** : 1, 3, 4
G3	1	0	0	−417	3243	0	2	+	1, 1, 4, 1	1, 1, 4, 1	1, 1, 4, 1	I_1,I_1,I_4,I_1	**2** : 2
G4	1	0	0	43	255	0	2	−	1, 4, 1, 4	1, 4, 1, 4	1, 4, 1, 2	I_1,I_4,I_1,I_4	**2** : 2

549 $N = 549 = 3^2 \cdot 61$ (3 isogeny classes) 549

A1	1	−1	0	3	0	1	2	−	3, 1	0, 1	2, 1	III,I_1	**2** : 2
A2	1	−1	0	−12	9	1	2	+	3, 2	0, 2	2, 2	III,I_2	**2** : 1
B1	1	−1	1	25	−26	1	2	−	9, 1	0, 1	2, 1	III*,I_1	**2** : 2
B2	1	−1	1	−110	−134	1	2	+	9, 2	0, 2	2, 2	III*,I_2	**2** : 1
C1	1	−1	0	−18	−27	0	1	−	6, 1	0, 1	2, 1	I_0^*,I_1	

550 $N = 550 = 2 \cdot 5^2 \cdot 11$ (13 isogeny classes) 550

A1	1	1	0	−25	125	1	1	−	3, 7, 1	3, 1, 1	1, 4, 1	I_3,I_1^*,I_1	**3** : 2
A2	1	1	0	225	−3125	1	1	−	1, 9, 3	1, 3, 3	1, 4, 1	I_1,I_3^*,I_3	**3** : 1
B1	1	0	1	249	−6102	0	1	−	5, 11, 1	5, 5, 1	1, 2, 1	I_5,I_5^*,I_1	**5** : 2
B2	1	0	1	−148501	−22038602	0	1	−	1, 7, 5	1, 1, 5	1, 2, 5	I_1,I_1^*,I_5	**5** : 1
C1	1	0	1	−206	−1152	0	1	−	11, 2, 1	11, 0, 1	1, 1, 1	I_{11},II,I_1	
D1	1	0	1	49	48	0	3	−	1, 8, 1	1, 0, 1	1, 3, 1	I_1,IV*,I_1	**3** : 2
D2	1	0	1	−576	−6202	0	1	−	3, 8, 3	3, 0, 3	1, 1, 1	I_3,IV*,I_3	**3** : 1
E1	1	−1	0	−367	10541	0	1	−	11, 9, 1	11, 0, 1	1, 2, 1	I_{11},III*,I_1	

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

550 $N = 550 = 2 \cdot 5^2 \cdot 11$ (continued) 550

F1	1	0	1	−701	−7202	1	1	−	1, 9, 1	1, 0, 1	1, 2, 1	I_1,III^*,I_1	**5** : 2
F2	1	0	1	4924	75298	1	1	−	5, 9, 5	5, 0, 5	1, 2, 5	I_5,III^*,I_5	**5** : 1, 3
F3	1	0	1	−758201	254051548	1	1	−	25, 9, 1	25, 0, 1	1, 2, 1	I_{25},III^*,I_1	**5** : 2
G1	1	0	1	−6	8	1	2	−	4, 3, 1	4, 0, 1	2, 2, 1	I_4,III,I_1	**2** : 2
G2	1	0	1	−106	408	1	2	+	2, 3, 2	2, 0, 2	2, 2, 2	I_2,III,I_2	**2** : 1
H1	1	1	1	2	1	0	1	−	1, 2, 1	1, 0, 1	1, 1, 1	I_1,II,I_1	**3** : 2
H2	1	1	1	−23	−59	0	1	−	3, 2, 3	3, 0, 3	3, 1, 1	I_3,II,I_3	**3** : 1
I1	1	1	1	−2213	39531	1	1	−	7, 7, 3	7, 1, 3	7, 4, 3	I_7,I_1^*,I_3	**3** : 2
I2	1	1	1	7412	212781	1	1	−	21, 9, 1	21, 3, 1	21, 4, 1	I_{21},I_3^*,I_1	**3** : 1
J1	1	−1	1	−15	87	1	1	−	11, 3, 1	11, 0, 1	11, 2, 1	I_{11},III,I_1	
K1	1	1	1	−28	−69	0	1	−	1, 3, 1	1, 0, 1	1, 2, 1	I_1,III,I_1	**5** : 2
K2	1	1	1	197	681	0	5	−	5, 3, 5	5, 0, 5	5, 2, 5	I_5,III,I_5	**5** : 1, 3
K3	1	1	1	−30328	2020281	0	5	−	25, 3, 1	25, 0, 1	25, 2, 1	I_{25},III,I_1	**5** : 2
L1	1	1	1	−138	1031	0	2	−	4, 9, 1	4, 0, 1	4, 2, 1	I_4,III^*,I_1	**2** : 2
L2	1	1	1	−2638	51031	0	2	+	2, 9, 2	2, 0, 2	2, 2, 2	I_2,III^*,I_2	**2** : 1
M1	1	1	1	−5138	−143969	0	1	−	11, 8, 1	11, 0, 1	11, 1, 1	I_{11},IV^*,I_1	

551 $N = 551 = 19 \cdot 29$ (4 isogeny classes) 551

A1	1	0	1	1	−5	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
B1	1	0	0	−11	14	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
C1	0	1	1	−2376	−61851	1	1	−	7, 2	7, 2	7, 2	I_7,I_2	
D1	0	1	1	−116	444	1	1	−	1, 2	1, 2	1, 2	I_1,I_2	

552 $N = 552 = 2^3 \cdot 3 \cdot 23$ (5 isogeny classes) 552

A1	0	−1	0	−64	−260	1	2	−	10, 6, 1	0, 6, 1	2, 2, 1	III^*,I_6,I_1	**2** : 2
A2	0	−1	0	−1144	−14516	1	2	+	11, 3, 2	0, 3, 2	1, 1, 2	II^*,I_3,I_2	**2** : 1
B1	0	−1	0	−2908	61876	0	2	−	8, 14, 1	0, 14, 1	2, 2, 1	I_1^*,I_{14},I_1	**2** : 2
B2	0	−1	0	−46648	3893500	0	2	+	10, 7, 2	0, 7, 2	2, 1, 2	III^*,I_7,I_2	**2** : 1
C1	0	−1	0	4	−12	0	2	−	8, 2, 1	0, 2, 1	2, 2, 1	I_1^*,I_2,I_1	**2** : 2
C2	0	−1	0	−56	−132	0	2	+	10, 1, 2	0, 1, 2	2, 1, 2	III^*,I_1,I_2	**2** : 1
D1	0	−1	0	−207	−1080	1	2	+	4, 3, 1	0, 3, 1	2, 1, 1	III,I_3,I_1	**2** : 2
D2	0	−1	0	−212	−1020	1	4	+	8, 6, 2	0, 6, 2	4, 2, 2	I_1^*,I_6,I_2	**2** : 1, 3, 4
D3	0	−1	0	−752	6972	1	4	+	10, 3, 4	0, 3, 4	2, 1, 4	III^*,I_3,I_4	**2** : 2
D4	0	−1	0	248	−5252	1	2	−	10, 12, 1	0, 12, 1	2, 2, 1	III^*,I_{12},I_1	**2** : 2
E1	0	1	0	−4	32	1	4	−	8, 4, 1	0, 4, 1	4, 4, 1	I_1^*,I_4,I_1	**2** : 2
E2	0	1	0	−184	896	1	4	+	10, 2, 2	0, 2, 2	2, 2, 2	III^*,I_2,I_2	**2** : 1, 3, 4
E3	0	1	0	−304	−544	1	2	+	11, 1, 4	0, 1, 4	1, 1, 2	II^*,I_1,I_4	**2** : 2
E4	0	1	0	−2944	60512	1	2	+	11, 1, 1	0, 1, 1	1, 1, 1	II^*,I_1,I_1	**2** : 2

555 $N = 555 = 3 \cdot 5 \cdot 37$ (2 isogeny classes) 555

A1	0	1	1	−1	−29	0	1	−	1, 5, 1	1, 5, 1	1, 1, 1	I_1,I_5,I_1	
B1	0	1	1	−2405	−47869	0	3	−	15, 3, 1	15, 3, 1	15, 3, 1	I_{15},I_3,I_1	**3** : 2
B2	0	1	1	−196805	−33670564	0	1	−	5, 1, 3	5, 1, 3	5, 1, 3	I_5,I_1,I_3	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
556				$N = 556 = 2^2 \cdot 139$ (1 isogeny class)									**556**
A1	0	0	0	−8	9	1	1	−	4, 1	0, 1	3, 1	IV,I_1	
557				$N = 557 = 557$ (2 isogeny classes)									**557**
A1	1	1	0	0	1	1	1	−	1	1	1	I_1	
B1	0	−1	1	−268	1781	0	1	+	1	1	1	I_1	
558				$N = 558 = 2 \cdot 3^2 \cdot 31$ (8 isogeny classes)									**558**
A1	1	−1	0	0	2	1	1	−	1, 3, 1	1, 0, 1	1, 2, 1	I_1,III,I_1	
B1	1	−1	0	−48	288	0	3	−	5, 3, 3	5, 0, 3	1, 2, 3	I_5,III,I_3	**3** : 2
B2	1	−1	0	417	−6067	0	1	−	15, 9, 1	15, 0, 1	1, 2, 1	I_{15},III*,I_1	**3** : 1
C1	1	−1	0	−6	−28	0	2	−	4, 6, 1	4, 0, 1	2, 2, 1	I_4,I_0^*,I_1	**2** : 2
C2	1	−1	0	−186	−928	0	4	+	2, 6, 2	2, 0, 2	2, 4, 2	I_2,I_0^*,I_2	**2** : 1, 3, 4
C3	1	−1	0	−2976	−61750	0	2	+	1, 6, 1	1, 0, 1	1, 2, 1	I_1,I_0^*,I_1	**2** : 2
C4	1	−1	0	−276	134	0	2	+	1, 6, 4	1, 0, 4	1, 2, 2	I_1,I_0^*,I_4	**2** : 2
D1	1	−1	0	135	−243	1	1	−	5, 11, 1	5, 5, 1	1, 4, 1	I_5,I_5^*,I_1	**5** : 2
D2	1	−1	0	−12555	544887	1	1	−	1, 7, 5	1, 1, 5	1, 4, 5	I_1,I_1^*,I_5	**5** : 1
E1	1	−1	1	−2	−53	0	1	−	1, 9, 1	1, 0, 1	1, 2, 1	I_1,III*,I_1	
F1	1	−1	1	46	209	1	3	−	15, 3, 1	15, 0, 1	15, 2, 1	I_{15},III,I_1	**3** : 2
F2	1	−1	1	−434	−7343	1	1	−	5, 9, 3	5, 0, 3	5, 2, 3	I_5,III*,I_3	**3** : 1
G1	1	−1	1	−149	749	1	1	−	7, 7, 1	7, 1, 1	7, 4, 1	I_7,I_1^*,I_1	
H1	1	−1	1	−752	9213	0	1	−	1, 17, 1	1, 11, 1	1, 2, 1	I_1,I_{11}^*,I_1	
560				$N = 560 = 2^4 \cdot 5 \cdot 7$ (6 isogeny classes)									**560**
A1	0	1	0	−1	−5	0	1	−	8, 1, 1	0, 1, 1	1, 1, 1	I_0^*,I_1,I_1	
B1	0	0	0	−412	−3316	0	1	−	8, 5, 3	0, 5, 3	1, 5, 1	I_0^*,I_5,I_3	
C1	0	−1	0	−21	−35	0	1	−	12, 1, 1	0, 1, 1	1, 1, 1	II*,I_1,I_1	**3** : 2
C2	0	−1	0	139	61	0	1	−	12, 3, 3	0, 3, 3	1, 1, 1	II*,I_3,I_3	**3** : 1, 3
C3	0	−1	0	−2101	39485	0	1	−	12, 9, 1	0, 9, 1	1, 1, 1	II*,I_9,I_1	**3** : 2
D1	0	0	0	37	138	1	2	−	16, 2, 1	4, 2, 1	4, 2, 1	I_8^*,I_2,I_1	**2** : 2
D2	0	0	0	−283	1482	1	4	+	14, 4, 2	2, 4, 2	4, 2, 2	I_6^*,I_4,I_2	**2** : 1, 3, 4
D3	0	0	0	−1403	−18902	1	2	+	13, 8, 1	1, 8, 1	2, 2, 1	I_5^*,I_8,I_1	**2** : 2
D4	0	0	0	−4283	107882	1	4	+	13, 2, 4	1, 2, 4	4, 2, 4	I_5^*,I_2,I_4	**2** : 2
E1	0	0	0	32	−212	1	1	−	8, 1, 5	0, 1, 5	2, 1, 5	I_0^*,I_1,I_5	
F1	0	−1	0	−5	25	1	1	−	8, 3, 1	0, 3, 1	2, 3, 1	I_0^*,I_3,I_1	**3** : 2
F2	0	−1	0	−805	9065	1	1	−	8, 1, 3	0, 1, 3	2, 1, 1	I_0^*,I_1,I_3	**3** : 1
561				$N = 561 = 3 \cdot 11 \cdot 17$ (4 isogeny classes)									**561**
A1	0	−1	1	−3729	−86416	0	1	−	10, 1, 1	10, 1, 1	2, 1, 1	I_{10},I_1,I_1	
B1	0	1	1	−269	1628	1	1	−	2, 5, 1	2, 5, 1	2, 5, 1	I_2,I_5,I_1	
C1	0	1	1	−8	8	1	1	−	4, 1, 1	4, 1, 1	4, 1, 1	I_4,I_1,I_1	
D1	1	0	0	−12	15	0	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
D2	1	0	0	−17	0	0	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
D3	1	0	0	−182	−957	0	2	+	1, 1, 4	1, 1, 4	1, 1, 4	I_1,I_1,I_4	**2** : 2
D4	1	0	0	68	17	0	4	−	4, 4, 1	4, 4, 1	4, 4, 1	I_4,I_4,I_1	**2** : 2

	a_1 a_2 a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
562	$N = 562 = 2 \cdot 281$ (1 isogeny class)									**562**
A1	1 1 0	−4	0	0	2	+ 4, 1	4, 1	2, 1	I_4,I_1	**2** : 2
A2	1 1 0	16	20	0	2	− 2, 2	2, 2	2, 2	I_2,I_2	**2** : 1
563	$N = 563 = 563$ (1 isogeny class)									**563**
A1	1 1 1	−15	16	2	1	− 1	1	1	I_1	
564	$N = 564 = 2^2 \cdot 3 \cdot 47$ (2 isogeny classes)									**564**
A1	0 −1 0	−221	−1191	1	1	+ 8, 5, 1	0, 5, 1	1, 1, 1	IV*,I_5,I_1	
B1	0 1 0	−37	71	1	3	+ 8, 3, 1	0, 3, 1	3, 3, 1	IV*,I_3,I_1	**3** : 2
B2	0 1 0	−517	−4681	1	1	+ 8, 1, 3	0, 1, 3	1, 1, 1	IV*,I_1,I_3	**3** : 1
565	$N = 565 = 5 \cdot 113$ (1 isogeny class)									**565**
A1	1 0 1	−19	−33	0	1	− 3, 1	3, 1	1, 1	I_3,I_1	
566	$N = 566 = 2 \cdot 283$ (2 isogeny classes)									**566**
A1	1 −1 0	−2	4	1	1	− 4, 1	4, 1	2, 1	I_4,I_1	
B1	1 0 0	1	−1	0	1	− 1, 1	1, 1	1, 1	I_1,I_1	
567	$N = 567 = 3^4 \cdot 7$ (2 isogeny classes)									**567**
A1	1 −1 0	0	−3	1	1	− 4, 2	0, 2	1, 2	II,I_2	
B1	1 −1 1	−2	82	1	1	− 10, 2	0, 2	3, 2	IV*,I_2	
568	$N = 568 = 2^3 \cdot 71$ (1 isogeny class)									**568**
A1	0 −1 0	−72	−212	0	1	+ 11, 1	0, 1	1, 1	II*,I_1	
570	$N = 570 = 2 \cdot 3 \cdot 5 \cdot 19$ (13 isogeny classes)									**570**
A1	1 1 0	−98	372	1	2	− 8, 3, 1, 2	8, 3, 1, 2	2, 1, 1, 2	I_8,I_3,I_1,I_2	**2** : 2
A2	1 1 0	−1618	24388	1	2	+ 4, 6, 2, 1	4, 6, 2, 1	2, 2, 2, 1	I_4,I_6,I_2,I_1	**2** : 1
B1	1 1 0	−78	−972	0	2	− 14, 2, 3, 1	14, 2, 3, 1	2, 2, 1, 1	I_{14},I_2,I_3,I_1	**2** : 2
B2	1 1 0	−1998	−35148	0	2	+ 7, 1, 6, 2	7, 1, 6, 2	1, 1, 2, 2	I_7,I_1,I_6,I_2	**2** : 1
C1	1 1 0	−17	69	1	2	− 4, 1, 3, 2	4, 1, 3, 2	2, 1, 3, 2	I_4,I_1,I_3,I_2	**2** : 2
C2	1 1 0	−397	2881	1	2	+ 2, 2, 6, 1	2, 2, 6, 1	2, 2, 6, 1	I_2,I_2,I_6,I_1	**2** : 1
D1	1 0 1	3676	−514654	0	2	− 28, 5, 1, 2	28, 5, 1, 2	2, 5, 1, 2	I_{28},I_5,I_1,I_2	**2** : 2
D2	1 0 1	−78244	−7985758	0	4	+14, 10, 2, 4	14, 10, 2, 4	2, 10, 2, 2	I_{14},I_{10},I_2,I_4	**2** : 1, 3, 4
D3	1 0 1	−1233444	−527363678	0	2	+ 7, 20, 1, 2	7, 20, 1, 2	1, 20, 1, 2	I_7,I_{20},I_1,I_2	**2** : 2
D4	1 0 1	−233764	33569186	0	2	+ 7, 5, 4, 8	7, 5, 4, 8	1, 5, 2, 2	I_7,I_5,I_4,I_8	**2** : 2
E1	1 0 1	12	−14	1	2	− 8, 2, 1, 1	8, 2, 1, 1	2, 2, 1, 1	I_8,I_2,I_1,I_1	**2** : 2
E2	1 0 1	−68	−142	1	4	+ 4, 4, 2, 2	4, 4, 2, 2	2, 4, 2, 2	I_4,I_4,I_2,I_2	**2** : 1, 3, 4
E3	1 0 1	−968	−11662	1	2	+ 2, 2, 1, 4	2, 2, 1, 4	2, 2, 1, 2	I_2,I_2,I_1,I_4	**2** : 2
E4	1 0 1	−448	3506	1	4	+ 2, 8, 4, 1	2, 8, 4, 1	2, 8, 4, 1	I_2,I_8,I_4,I_1	**2** : 2
F1	1 0 1	−23	506	0	6	− 6, 6, 3, 1	6, 6, 3, 1	2, 6, 3, 1	I_6,I_6,I_3,I_1	**2** : 2; **3** : 3
F2	1 0 1	−1103	13898	0	6	+ 3, 3, 6, 2	3, 3, 6, 2	1, 3, 6, 2	I_3,I_3,I_6,I_2	**2** : 1; **3** : 4
F3	1 0 1	202	−13624	0	2	− 18, 2, 1, 3	18, 2, 1, 3	2, 2, 1, 3	I_{18},I_2,I_1,I_3	**2** : 4; **3** : 1
F4	1 0 1	−7478	−240952	0	2	+ 9, 1, 2, 6	9, 1, 2, 6	1, 1, 2, 6	I_9,I_1,I_2,I_6	**2** : 3; **3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
570					$N = 570 = 2 \cdot 3 \cdot 5 \cdot 19$ (continued)								**570**
G1	1	1	1	−31	53	0	4	+	4, 1, 2, 1	4, 1, 2, 1	4, 1, 2, 1	I_4,I_1,I_2,I_1	**2** : 2
G2	1	1	1	−51	−51	0	4	+	2, 2, 4, 2	2, 2, 4, 2	2, 2, 2, 2	I_2,I_2,I_4,I_2	**2** : 1, 3, 4
G3	1	1	1	−621	−6207	0	2	+	1, 1, 8, 1	1, 1, 8, 1	1, 1, 2, 1	I_1,I_1,I_8,I_1	**2** : 2
G4	1	1	1	199	−151	0	2	−	1, 4, 2, 4	1, 4, 2, 4	1, 2, 2, 2	I_1,I_4,I_2,I_4	**2** : 2
H1	1	1	1	0	−3	0	2	−	2, 2, 1, 1	2, 2, 1, 1	2, 2, 1, 1	I_2,I_2,I_1,I_1	**2** : 2
H2	1	1	1	−30	−75	0	2	+	1, 1, 2, 2	1, 1, 2, 2	1, 1, 2, 2	I_1,I_1,I_2,I_2	**2** : 1
I1	1	1	1	−1900	32525	0	4	−	8, 5, 1, 4	8, 5, 1, 4	8, 1, 1, 4	I_8,I_5,I_1,I_4	**2** : 2
I2	1	1	1	−30780	2065677	0	4	+	4, 10, 2, 2	4, 10, 2, 2	4, 2, 2, 2	I_4,I_{10},I_2,I_2	**2** : 1, 3, 4
I3	1	1	1	−31160	2011565	0	2	+	2, 20, 4, 1	2, 20, 4, 1	2, 2, 4, 1	I_2,I_{20},I_4,I_1	**2** : 2
I4	1	1	1	−492480	132819117	0	2	+	2, 5, 1, 1	2, 5, 1, 1	2, 1, 1, 1	I_2,I_5,I_1,I_1	**2** : 2
J1	1	0	0	−1456	−21604	0	2	−	2, 14, 1, 1	2, 14, 1, 1	2, 14, 1, 1	I_2,I_{14},I_1,I_1	**2** : 2
J2	1	0	0	−23326	−1373170	0	2	+	1, 7, 2, 2	1, 7, 2, 2	1, 7, 2, 2	I_1,I_7,I_2,I_2	**2** : 1
K1	1	0	0	−25871	1614201	0	6	−	24, 3, 3, 2	24, 3, 3, 2	24, 3, 1, 2	I_{24},I_3,I_3,I_2	**2** : 2; **3** : 3
K2	1	0	0	−414991	102863225	0	6	+	12, 6, 6, 1	12, 6, 6, 1	12, 6, 2, 1	I_{12},I_6,I_6,I_1	**2** : 1; **3** : 4
K3	1	0	0	85489	8420985	0	2	−	8, 1, 9, 6	8, 1, 9, 6	8, 1, 1, 6	I_8,I_1,I_9,I_6	**2** : 4; **3** : 1
K4	1	0	0	−463231	77449961	0	2	+	4, 2, 18, 3	4, 2, 18, 3	4, 2, 2, 3	I_4,I_2,I_{18},I_3	**2** : 3; **3** : 2
L1	1	0	0	9335	−737383	0	10	−	20, 5, 5, 2	20, 5, 5, 2	20, 5, 5, 2	I_{20},I_5,I_5,I_2	**2** : 2; **5** : 3
L2	1	0	0	−87945	−8655975	0	10	+	10, 10, 10, 1	10, 10, 10, 1	10, 10, 10, 1	I_{10},I_{10},I_{10},I_1	**2** : 1; **5** : 4
L3	1	0	0	−3301465	−2309192023	0	2	−	4, 1, 1, 10	4, 1, 1, 10	4, 1, 1, 2	I_4,I_1,I_1,I_{10}	**2** : 4; **5** : 1
L4	1	0	0	−52823445	−147775056075	0	2	+	2, 2, 2, 5	2, 2, 2, 5	2, 2, 2, 1	I_2,I_2,I_2,I_5	**2** : 3; **5** : 2
M1	1	0	0	−10	20	0	4	−	4, 4, 1, 1	4, 4, 1, 1	4, 4, 1, 1	I_4,I_4,I_1,I_1	**2** : 2
M2	1	0	0	−190	992	0	4	+	2, 2, 2, 2	2, 2, 2, 2	2, 2, 2, 2	I_2,I_2,I_2,I_2	**2** : 1, 3, 4
M3	1	0	0	−220	650	0	2	+	1, 1, 4, 4	1, 1, 4, 4	1, 1, 4, 2	I_1,I_1,I_4,I_4	**2** : 2
M4	1	0	0	−3040	64262	0	2	+	1, 1, 1, 1	1, 1, 1, 1	1, 1, 1, 1	I_1,I_1,I_1,I_1	**2** : 2
571					$N = 571 = 571$ (2 isogeny classes)								**571**
A1	0	−1	1	−929	−10595	0	1	−	1	1	1	I_1	
B1	0	1	1	−4	2	2	1	−	1	1	1	I_1	
572					$N = 572 = 2^2 \cdot 11 \cdot 13$ (1 isogeny class)								**572**
A1	0	1	0	91	−121	0	3	−	8, 3, 2	0, 3, 2	3, 3, 2	IV^*,I_3,I_2	**3** : 2
A2	0	1	0	−1669	−27401	0	1	−	8, 1, 6	0, 1, 6	1, 1, 6	IV^*,I_1,I_6	**3** : 1
573					$N = 573 = 3 \cdot 191$ (3 isogeny classes)								**573**
A1	1	0	0	3	0	0	2	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1	0	0	−12	−3	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
B1	0	1	1	−1422	−21121	0	1	+	5, 1	5, 1	5, 1	I_5,I_1	
C1	0	1	1	−4	−2	1	1	+	3, 1	3, 1	3, 1	I_3,I_1	
574					$N = 574 = 2 \cdot 7 \cdot 41$ (10 isogeny classes)								**574**
A1	1	1	0	−2	−2	1	1	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
B1	1	1	0	−2061	35165	1	2	+	10, 4, 1	10, 4, 1	2, 2, 1	I_{10},I_4,I_1	**2** : 2
B2	1	1	0	−2221	29181	1	2	+	5, 8, 2	5, 8, 2	1, 2, 2	I_5,I_8,I_2	**2** : 1
C1	1	1	0	−84	80	0	2	+	14, 2, 1	14, 2, 1	2, 2, 1	I_{14},I_2,I_1	**2** : 2
C2	1	1	0	−724	−7728	0	2	+	7, 4, 2	7, 4, 2	1, 4, 2	I_7,I_4,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
574				$N = 574 = 2 \cdot 7 \cdot 41$ (continued)								**574**
D1	1	0	1	−31679	5254674	0	2	− 34, 3, 2	34, 3, 2	2, 3, 2	I_{34},I_3,I_2	**2** : 2
D2	1	0	1	−687039	218902034	0	2	+ 17, 6, 4	17, 6, 4	1, 6, 2	I_{17},I_6,I_4	**2** : 1
E1	1	−1	0	−40	−88	0	1	+ 3, 1, 1	3, 1, 1	1, 1, 1	I_3,I_1,I_1	
F1	1	0	1	−80	190	1	3	+ 5, 1, 3	5, 1, 3	1, 1, 3	I_5,I_1,I_3	**3** : 2
F2	1	0	1	−2335	−43598	1	1	+ 15, 3, 1	15, 3, 1	1, 3, 1	I_{15},I_3,I_1	**3** : 1
G1	1	1	1	−21	−5	1	1	+ 11, 1, 1	11, 1, 1	11, 1, 1	I_{11},I_1,I_1	
H1	1	−1	1	3	5	1	2	− 6, 1, 1	6, 1, 1	6, 1, 1	I_6,I_1,I_1	**2** : 2
H2	1	−1	1	−37	85	1	2	+ 3, 2, 2	3, 2, 2	3, 2, 2	I_3,I_2,I_2	**2** : 1
I1	1	−1	1	−19353	958713	1	7	+ 21, 7, 1	21, 7, 1	21, 7, 1	I_{21},I_7,I_1	**7** : 2
I2	1	−1	1	−9611313	−11466507927	1	1	+ 3, 1, 7	3, 1, 7	3, 1, 1	I_3,I_1,I_7	**7** : 1
J1	1	1	1	−175	789	0	5	+ 5, 5, 1	5, 5, 1	5, 5, 1	I_5,I_5,I_1	**5** : 2
J2	1	1	1	−15785	−769911	0	1	+ 1, 1, 5	1, 1, 5	1, 1, 5	I_1,I_1,I_5	**5** : 1
575				$N = 575 = 5^2 \cdot 23$ (5 isogeny classes)								**575**
A1	1	−1	0	−2	1	1	1	+ 2, 1	0, 1	1, 1	II,I_1	
B1	0	0	1	175	−1344	1	1	− 11, 1	5, 1	4, 1	I_5^*,I_1	
C1	0	−1	1	−458	3943	0	1	− 9, 1	0, 1	2, 1	III*,I_1	
D1	1	−1	1	−55	72	1	1	+ 8, 1	0, 1	3, 1	IV*,I_1	
E1	0	1	1	−18	24	1	1	− 3, 1	0, 1	2, 1	III,I_1	
576				$N = 576 = 2^6 \cdot 3^2$ (9 isogeny classes)								**576**
A1	0	0	0	0	8	1	2	− 10, 3	0, 0	2, 2	I_0^*,III	**2** : 2; **3** : 3
A2	0	0	0	−60	176	1	2	+ 14, 3	0, 0	4, 2	I_4^*,III	**2** : 1; **3** : 4
A3	0	0	0	0	−216	1	2	− 10, 9	0, 0	2, 2	I_0^*,III*	**2** : 4; **3** : 1
A4	0	0	0	−540	−4752	1	2	+ 14, 9	0, 0	4, 2	I_4^*,III*	**2** : 3; **3** : 2
B1	0	0	0	−39	−92	0	2	+ 6, 7	0, 1	1, 4	II,I_1^*	**2** : 2
B2	0	0	0	−84	160	0	4	+ 12, 8	0, 2	4, 4	I_2^*,I_2^*	**2** : 1, 3, 4
B3	0	0	0	−1164	15280	0	2	+ 15, 7	0, 1	2, 2	I_5^*,I_1^*	**2** : 2
B4	0	0	0	276	1168	0	2	− 15, 10	0, 4	2, 4	I_5^*,I_4^*	**2** : 2
C1	0	0	0	−39	92	0	2	+ 6, 7	0, 1	1, 2	II,I_1^*	**2** : 2
C2	0	0	0	−84	−160	0	4	+ 12, 8	0, 2	4, 4	I_2^*,I_2^*	**2** : 1, 3, 4
C3	0	0	0	−1164	−15280	0	2	+ 15, 7	0, 1	2, 4	I_5^*,I_1^*	**2** : 2
C4	0	0	0	276	−1168	0	2	− 15, 10	0, 4	2, 4	I_5^*,I_4^*	**2** : 2
D1	0	0	0	24	−56	0	2	− 10, 7	0, 1	2, 2	I_0^*,I_1^*	**2** : 2
D2	0	0	0	−156	−560	0	4	+ 14, 8	0, 2	4, 4	I_4^*,I_2^*	**2** : 1, 3, 4
D3	0	0	0	−2316	−42896	0	2	+ 16, 7	0, 1	2, 4	I_6^*,I_1^*	**2** : 2
D4	0	0	0	−876	9520	0	4	+ 16, 10	0, 4	4, 4	I_6^*,I_4^*	**2** : 2, 5, 6
D5	0	0	0	−13836	626416	0	2	+ 17, 8	0, 2	2, 2	I_7^*,I_2^*	**2** : 4
D6	0	0	0	564	37744	0	2	− 17, 14	0, 8	2, 4	I_7^*,I_8^*	**2** : 4
E1	0	0	0	0	−8	0	2	− 10, 3	0, 0	2, 2	I_0^*,III	**2** : 2; **3** : 3
E2	0	0	0	−60	−176	0	2	+ 14, 3	0, 0	2, 2	I_4^*,III	**2** : 1; **3** : 4
E3	0	0	0	0	216	0	2	− 10, 9	0, 0	2, 2	I_0^*,III*	**2** : 4; **3** : 1
E4	0	0	0	−540	4752	0	2	+ 14, 9	0, 0	2, 2	I_4^*,III*	**2** : 3; **3** : 2
F1	0	0	0	−3	0	0	2	+ 6, 3	0, 0	1, 2	II,III	**2** : 2
F2	0	0	0	12	0	0	2	− 12, 3	0, 0	2, 2	I_2^*,III	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
576					$N = 576 = 2^6 \cdot 3^2$ (continued)								**576**
G1	0	0	0	−27	0	0	2	+	6, 9	0, 0	1, 2	II,III*	**2** : 2
G2	0	0	0	108	0	0	2	−	12, 9	0, 0	2, 2	I_2^*,III*	**2** : 1
H1	0	0	0	9	0	1	2	−	6, 6	0, 0	1, 2	II,I_0^*	**2** : 2
H2	0	0	0	−36	0	1	4	+	12, 6	0, 0	4, 4	I_2^*,I_0^*	**2** : 1, 3, 4
H3	0	0	0	−396	−3024	1	2	+	15, 6	0, 0	2, 2	I_5^*,I_0^*	**2** : 2
H4	0	0	0	−396	3024	1	2	+	15, 6	0, 0	4, 2	I_5^*,I_0^*	**2** : 2
I1	0	0	0	24	56	1	2	−	10, 7	0, 1	2, 4	I_0^*,I_1^*	**2** : 2
I2	0	0	0	−156	560	1	4	+	14, 8	0, 2	4, 4	I_4^*,I_2^*	**2** : 1, 3, 4
I3	0	0	0	−876	−9520	1	4	+	16, 10	0, 4	4, 4	I_6^*,I_4^*	**2** : 2, 5, 6
I4	0	0	0	−2316	42896	1	2	+	16, 7	0, 1	4, 2	I_6^*,I_1^*	**2** : 2
I5	0	0	0	−13836	−626416	1	2	+	17, 8	0, 2	2, 2	I_7^*,I_2^*	**2** : 3
I6	0	0	0	564	−37744	1	2	−	17, 14	0, 8	4, 4	I_7^*,I_8^*	**2** : 3
578					$N = 578 = 2 \cdot 17^2$ (1 isogeny class)								**578**
A1	1	1	1	−873	5783	0	2	+	6, 7	6, 1	6, 2	I_6,I_1^*	**2** : 2; **3** : 3
A2	1	1	1	−12433	528295	0	2	+	3, 8	3, 2	3, 4	I_3,I_2^*	**2** : 1; **3** : 4
A3	1	1	1	−29773	−1989473	0	2	+	2, 9	2, 3	2, 2	I_2,I_3^*	**2** : 4; **3** : 1
A4	1	1	1	−32663	−1583717	0	2	+	1, 12	1, 6	1, 4	I_1,I_6^*	**2** : 3; **3** : 2
579					$N = 579 = 3 \cdot 193$ (2 isogeny classes)								**579**
A1	0	−1	1	−2	11	0	1	−	5, 1	5, 1	1, 1	I_5,I_1	
B1	1	0	0	−3	0	1	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
B2	1	0	0	12	3	1	2	−	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
580					$N = 580 = 2^2 \cdot 5 \cdot 29$ (2 isogeny classes)								**580**
A1	0	0	0	−8	−7	1	2	+	4, 2, 1	0, 2, 1	3, 2, 1	IV,I_2,I_1	**2** : 2
A2	0	0	0	17	−42	1	2	−	8, 1, 2	0, 1, 2	3, 1, 2	IV*,I_1,I_2	**2** : 1
B1	0	0	0	−32	−31	1	2	+	4, 3, 2	0, 3, 2	3, 3, 2	IV,I_3,I_2	**2** : 2
B2	0	0	0	113	−234	1	2	−	8, 6, 1	0, 6, 1	3, 6, 1	IV*,I_6,I_1	**2** : 1
582					$N = 582 = 2 \cdot 3 \cdot 97$ (4 isogeny classes)								**582**
A1	1	1	0	−15	−27	1	2	+	6, 2, 1	6, 2, 1	2, 2, 1	I_6,I_2,I_1	**2** : 2
A2	1	1	0	25	−99	1	2	−	3, 4, 2	3, 4, 2	1, 2, 2	I_3,I_4,I_2	**2** : 1
B1	1	1	1	−46658	−3898033	0	2	+	12, 14, 1	12, 14, 1	12, 2, 1	I_{12},I_{14},I_1	**2** : 2
B2	1	1	1	−746498	−248562097	0	2	+	6, 7, 2	6, 7, 2	6, 1, 2	I_6,I_7,I_2	**2** : 1
C1	1	1	1	−34	47	1	2	+	10, 2, 1	10, 2, 1	10, 2, 1	I_{10},I_2,I_1	**2** : 2
C2	1	1	1	−514	4271	1	2	+	5, 1, 2	5, 1, 2	5, 1, 2	I_5,I_1,I_2	**2** : 1
D1	1	0	0	−14	−12	0	4	+	4, 4, 1	4, 4, 1	4, 4, 1	I_4,I_4,I_1	**2** : 2
D2	1	0	0	−194	−1056	0	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
D3	1	0	0	−3104	−66822	0	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
D4	1	0	0	−164	−1386	0	2	−	1, 1, 4	1, 1, 4	1, 1, 4	I_1,I_1,I_4	**2** : 2
583					$N = 583 = 11 \cdot 53$ (3 isogeny classes)								**583**
A1	0	1	1	6	−5	0	1	−	1, 2	1, 2	1, 2	I_1,I_2	
B1	1	1	0	−358	−3595	0	1	−	4, 3	4, 3	4, 1	I_4,I_3	
C1	0	0	1	491	−2603	0	1	−	3, 4	3, 4	3, 2	I_3,I_4	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
585				$N = 585 = 3^2 \cdot 5 \cdot 13$ (9 isogeny classes)								**585**
A1	1	−1	1	−218	1432	1	2	− 9, 4, 1	0, 4, 1	2, 2, 1	III*,I$_4$,I$_1$	**2** : 2
A2	1	−1	1	−3593	83782	1	2	+ 9, 2, 2	0, 2, 2	2, 2, 2	III*,I$_2$,I$_2$	**2** : 1
B1	0	0	1	12	−21	0	3	− 3, 1, 3	0, 1, 3	2, 1, 3	III,I$_1$,I$_3$	**3** : 2
B2	0	0	1	−378	−2842	0	1	− 9, 3, 1	0, 3, 1	2, 1, 1	III*,I$_3$,I$_1$	**3** : 1
C1	1	−1	0	−24	−45	0	2	− 3, 4, 1	0, 4, 1	2, 4, 1	III,I$_4$,I$_1$	**2** : 2
C2	1	−1	0	−399	−2970	0	2	+ 3, 2, 2	0, 2, 2	2, 2, 2	III,I$_2$,I$_2$	**2** : 1
D1	0	0	1	−42	105	1	3	− 3, 3, 1	0, 3, 1	2, 3, 1	III,I$_3$,I$_1$	**3** : 2
D2	0	0	1	108	560	1	1	− 9, 1, 3	0, 1, 3	2, 1, 3	III*,I$_1$,I$_3$	**3** : 1
E1	0	0	1	−1713	−28022	0	1	− 13, 1, 3	7, 1, 3	2, 1, 1	I$_7^*$,I$_1$,I$_3$	
F1	1	−1	0	−990	−11745	1	2	+ 10, 1, 1	4, 1, 1	2, 1, 1	I$_4^*$,I$_1$,I$_1$	**2** : 2
F2	1	−1	0	−1035	−10584	1	4	+ 14, 2, 2	8, 2, 2	4, 2, 2	I$_8^*$,I$_2$,I$_2$	**2** : 1, 3, 4
F3	1	−1	0	−4680	114075	1	4	+ 10, 4, 4	4, 4, 4	4, 2, 4	I$_4^*$,I$_4$,I$_4$	**2** : 2, 5, 6
F4	1	−1	0	1890	−61479	1	2	− 22, 1, 1	16, 1, 1	4, 1, 1	I$_{16}^*$,I$_1$,I$_1$	**2** : 2
F5	1	−1	0	−73125	7629336	1	4	+ 8, 8, 2	2, 8, 2	4, 2, 2	I$_2^*$,I$_8$,I$_2$	**2** : 3, 7, 8
F6	1	−1	0	5445	533250	1	2	− 8, 2, 8	2, 2, 8	2, 2, 8	I$_2^*$,I$_2$,I$_8$	**2** : 3
F7	1	−1	0	−1170000	487402461	1	2	+ 7, 4, 1	1, 4, 1	4, 2, 1	I$_1^*$,I$_4$,I$_1$	**2** : 5
F8	1	−1	0	−71370	8011575	1	2	− 7, 16, 1	1, 16, 1	2, 2, 1	I$_1^*$,I$_{16}$,I$_1$	**2** : 5
G1	0	0	1	−3	18	1	1	− 7, 1, 1	1, 1, 1	4, 1, 1	I$_1^*$,I$_1$,I$_1$	
H1	1	−1	0	−9	0	1	2	+ 6, 1, 1	0, 1, 1	2, 1, 1	I$_0^*$,I$_1$,I$_1$	**2** : 2
H2	1	−1	0	36	−27	1	2	− 6, 2, 2	0, 2, 2	2, 2, 2	I$_0^*$,I$_2$,I$_2$	**2** : 1
I1	0	0	1	−597	8820	1	1	− 9, 7, 1	3, 7, 1	4, 7, 1	I$_3^*$,I$_7$,I$_1$	
586				$N = 586 = 2 \cdot 293$ (3 isogeny classes)								**586**
A1	1	1	0	−1	−3	0	1	− 3, 1	3, 1	1, 1	I$_3$,I$_1$	
B1	1	1	1	−18	415	1	1	− 18, 1	18, 1	18, 1	I$_{18}$,I$_1$	
C1	1	1	1	−9	7	1	1	− 4, 1	4, 1	4, 1	I$_4$,I$_1$	
588				$N = 588 = 2^2 \cdot 3 \cdot 7^2$ (6 isogeny classes)								**588**
A1	0	−1	0	131	−167	0	1	− 8, 5, 4	0, 5, 0	1, 1, 1	IV*,I$_5$,IV	
B1	0	−1	0	327	666	1	2	− 4, 3, 8	0, 3, 2	3, 1, 4	IV,I$_3$,I$_2^*$	**2** : 2; **3** : 3
B2	0	−1	0	−1388	6840	1	2	+ 8, 6, 7	0, 6, 1	3, 2, 4	IV*,I$_6$,I$_1^*$	**2** : 1; **3** : 4
B3	0	−1	0	−5553	165894	1	2	− 4, 1, 12	0, 1, 6	1, 1, 4	IV,I$_1$,I$_6^*$	**2** : 4; **3** : 1
B4	0	−1	0	−89588	10350936	1	2	+ 8, 2, 9	0, 2, 3	1, 2, 4	IV*,I$_2$,I$_3^*$	**2** : 3; **3** : 2
C1	0	−1	0	−9	−6	1	2	+ 4, 1, 3	0, 1, 0	3, 1, 2	IV,I$_1$,III	**2** : 2
C2	0	−1	0	−44	120	1	2	+ 8, 2, 3	0, 2, 0	3, 2, 2	IV*,I$_2$,III	**2** : 1
D1	0	1	0	6403	44463	0	1	− 8, 5, 10	0, 5, 0	1, 5, 1	IV*,I$_5$,II*	
E1	0	1	0	−457	2960	0	2	+ 4, 1, 9	0, 1, 0	3, 1, 2	IV,I$_1$,III*	**2** : 2
E2	0	1	0	−2172	−36828	0	2	+ 8, 2, 9	0, 2, 0	3, 2, 2	IV*,I$_2$,III*	**2** : 1
F1	0	1	0	−65	804	0	2	− 4, 1, 8	0, 1, 2	1, 1, 4	IV,I$_1$,I$_2^*$	**2** : 2
F2	0	1	0	−1780	28244	0	2	+ 8, 2, 7	0, 2, 1	1, 2, 2	IV*,I$_2$,I$_1^*$	**2** : 1
590				$N = 590 = 2 \cdot 5 \cdot 59$ (4 isogeny classes)								**590**
A1	1	0	1	156	176	0	3	− 1, 4, 3	1, 4, 3	1, 2, 3	I$_1$,I$_4$,I$_3$	**3** : 2
A2	1	0	1	−1909	−36168	0	1	− 3, 12, 1	3, 12, 1	1, 2, 1	I$_3$,I$_{12}$,I$_1$	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
590				$N = 590 = 2 \cdot 5 \cdot 59$ (continued)									**590**
B1	1	−1	0	1	13	0	2	−	8, 1, 1	8, 1, 1	2, 1, 1	I_8,I_1,I_1	**2** : 2
B2	1	−1	0	−79	285	0	4	+	4, 2, 2	4, 2, 2	2, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
B3	1	−1	0	−179	−495	0	2	+	2, 1, 4	2, 1, 4	2, 1, 2	I_2,I_1,I_4	**2** : 2
B4	1	−1	0	−1259	17513	0	4	+	2, 4, 1	2, 4, 1	2, 4, 1	I_2,I_4,I_1	**2** : 2
C1	1	−1	0	1	5	1	1	−	3, 2, 1	3, 2, 1	1, 2, 1	I_3,I_2,I_1	
D1	1	0	0	−350	2500	1	1	−	9, 4, 1	9, 4, 1	9, 4, 1	I_9,I_4,I_1	
591				$N = 591 = 3 \cdot 197$ (1 isogeny class)									**591**
A1	0	−1	1	−3	2	1	1	+	2, 1	2, 1	2, 1	I_2,I_1	
592				$N = 592 = 2^4 \cdot 37$ (5 isogeny classes)									**592**
A1	0	1	0	−9	−13	1	1	+	8, 1	0, 1	1, 1	I_0^*,I_1	
B1	0	1	0	−33	−85	0	1	+	8, 1	0, 1	1, 1	I_0^*,I_1	
C1	0	0	0	−16	−16	0	1	+	12, 1	0, 1	1, 1	II^*,I_1	
D1	0	1	0	−5	−1	1	1	+	8, 1	0, 1	2, 1	I_0^*,I_1	
E1	0	−1	0	−53	−131	1	1	+	12, 1	0, 1	1, 1	II^*,I_1	**3** : 2
E2	0	−1	0	−373	2813	1	1	+	12, 3	0, 3	1, 3	II^*,I_3	**3** : 1, 3
E3	0	−1	0	−29973	2007325	1	1	+	12, 1	0, 1	1, 1	II^*,I_1	**3** : 2
593				$N = 593 = 593$ (2 isogeny classes)									**593**
A1	1	0	1	−2	1	1	1	−	1	1	1	I_1	
B1	1	0	0	−7	−30	0	2	−	2	2	2	I_2	**2** : 2
B2	1	0	0	−12	−17	0	2	+	1	1	1	I_1	**2** : 1
594				$N = 594 = 2 \cdot 3^3 \cdot 11$ (8 isogeny classes)									**594**
A1	1	−1	0	−18	36	1	1	−	4, 5, 1	4, 0, 1	2, 3, 1	I_4,IV,I_1	
B1	1	−1	0	−9	−9	0	1	−	1, 5, 1	1, 0, 1	1, 1, 1	I_1,IV,I_1	
C1	1	−1	0	−4146	103796	0	3	−	5, 9, 1	5, 0, 1	1, 3, 1	I_5,IV^*,I_1	**3** : 2
C2	1	−1	0	−3201	151613	0	1	−	15, 11, 3	15, 0, 3	1, 1, 1	I_{15},II^*,I_3	**3** : 1
D1	1	−1	0	−153	4909	1	1	−	8, 5, 5	8, 0, 5	2, 1, 5	I_8,IV,I_5	
E1	1	−1	1	−1379	−131165	0	1	−	8, 11, 5	8, 0, 5	8, 1, 1	I_8,II^*,I_5	
F1	1	−1	1	−83	325	0	1	−	1, 11, 1	1, 0, 1	1, 1, 1	I_1,II^*,I_1	
G1	1	−1	1	−164	−809	0	1	−	4, 11, 1	4, 0, 1	4, 1, 1	I_4,II^*,I_1	
H1	1	−1	1	−461	−3691	0	1	−	5, 3, 1	5, 0, 1	5, 1, 1	I_5,II,I_1	**3** : 2
H2	1	−1	1	−356	−5497	0	3	−	15, 5, 3	15, 0, 3	15, 1, 3	I_{15},IV,I_3	**3** : 1
595				$N = 595 = 5 \cdot 7 \cdot 17$ (3 isogeny classes)									**595**
A1	0	−1	1	−9996	388876	0	1	−	11, 3, 1	11, 3, 1	1, 1, 1	I_{11},I_3,I_1	
B1	0	−1	1	434	−9589	0	1	−	5, 7, 1	5, 7, 1	1, 7, 1	I_5,I_7,I_1	
C1	0	−1	1	0	1	0	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
598				$N = 598 = 2 \cdot 13 \cdot 23$ (4 isogeny classes)									**598**
A1	1	−1	0	−112	492	1	2	−	2, 4, 1	2, 4, 1	2, 4, 1	I_2,I_4,I_1	**2** : 2
A2	1	−1	0	−1802	29898	1	2	+	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
B1	1	−1	0	44	496	1	1	−	5, 1, 4	5, 1, 4	1, 1, 4	I_5,I_1,I_4	

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
598					$N = 598 = 2 \cdot 13 \cdot 23$ (continued)								**598**
C1	1	1	1	−14	−27	0	1	−	1, 1, 2	1, 1, 2	1, 1, 2	I_1,I_1,I_2	
D1	1	1	1	4	−1443	1	1	−	17, 1, 2	17, 1, 2	17, 1, 2	I_{17},I_1,I_2	
600					$N = 600 = 2^3 \cdot 3 \cdot 5^2$ (9 isogeny classes)								**600**
A1	0	−1	0	−383	3012	1	4	+	4, 2, 7	0, 2, 1	2, 2, 4	III,I_2,I_1^*	**2** : 2
A2	0	−1	0	−508	1012	1	4	+	8, 4, 8	0, 4, 2	2, 2, 4	I_1^*,I_4,I_2^*	**2** : 1, 3, 4
A3	0	−1	0	−5008	−133988	1	4	+	10, 2, 10	0, 2, 4	2, 2, 4	III*,I_2,I_4^*	**2** : 2, 5, 6
A4	0	−1	0	1992	6012	1	2	−	10, 8, 7	0, 8, 1	2, 2, 4	III*,I_8,I_1^*	**2** : 2
A5	0	−1	0	−80008	−8683988	1	2	+	11, 1, 8	0, 1, 2	1, 1, 4	II*,I_1,I_2^*	**2** : 3
A6	0	−1	0	−2008	−295988	1	2	−	11, 1, 14	0, 1, 8	1, 1, 4	II*,I_1,I_8^*	**2** : 3
B1	0	−1	0	7	−3	1	1	−	8, 1, 2	0, 1, 0	4, 1, 1	I_1^*,I_1,II	
C1	0	−1	0	32	−68	0	2	−	10, 3, 3	0, 3, 0	2, 1, 2	III*,I_3,III	**2** : 2
C2	0	−1	0	−168	−468	0	2	+	11, 6, 3	0, 6, 0	1, 2, 2	II*,I_6,III	**2** : 1
D1	0	1	0	17	38	0	2	−	4, 1, 6	0, 1, 0	2, 1, 2	III,I_1,I_0^*	**2** : 2
D2	0	1	0	−108	288	0	4	+	8, 2, 6	0, 2, 0	2, 2, 4	I_1^*,I_2,I_0^*	**2** : 1, 3, 4
D3	0	1	0	−608	−5712	0	4	+	10, 4, 6	0, 4, 0	2, 4, 4	III*,I_4,I_0^*	**2** : 2, 5, 6
D4	0	1	0	−1608	24288	0	2	+	10, 1, 6	0, 1, 0	2, 1, 2	III*,I_1,I_0^*	**2** : 2
D5	0	1	0	−9608	−365712	0	2	+	11, 2, 6	0, 2, 0	1, 2, 2	II*,I_2,I_0^*	**2** : 3
D6	0	1	0	392	−21712	0	2	−	11, 8, 6	0, 8, 0	1, 8, 2	II*,I_8,I_0^*	**2** : 3
E1	0	1	0	−233	1563	1	1	−	8, 7, 4	0, 7, 0	4, 7, 3	I_1^*,I_7,IV	
F1	0	−1	0	92	−188	0	4	−	8, 1, 7	0, 1, 1	4, 1, 4	I_1^*,I_1,I_1^*	**2** : 2
F2	0	−1	0	−408	−1188	0	4	+	10, 2, 8	0, 2, 2	2, 2, 4	III*,I_2,I_2^*	**2** : 1, 3, 4
F3	0	−1	0	−5408	−151188	0	2	+	11, 4, 7	0, 4, 1	1, 2, 4	II*,I_4,I_1^*	**2** : 2
F4	0	−1	0	−3408	76812	0	2	+	11, 1, 10	0, 1, 4	1, 1, 4	II*,I_1,I_4^*	**2** : 2
G1	0	−1	0	−5833	207037	0	1	−	8, 7, 10	0, 7, 0	2, 1, 1	I_1^*,I_7,II*	
H1	0	1	0	792	−6912	0	2	−	10, 3, 9	0, 3, 0	2, 3, 2	III*,I_3,III*	**2** : 2
H2	0	1	0	−4208	−66912	0	2	+	11, 6, 9	0, 6, 0	1, 6, 2	II*,I_6,III*	**2** : 1
I1	0	1	0	167	−37	0	1	−	8, 1, 8	0, 1, 0	2, 1, 1	I_1^*,I_1,IV*	
602					$N = 602 = 2 \cdot 7 \cdot 43$ (3 isogeny classes)								**602**
A1	1	−1	0	121	−4291	0	2	−	8, 5, 2	8, 5, 2	2, 1, 2	I_8,I_5,I_2	**2** : 2
A2	1	−1	0	−3319	−69651	0	2	+	4, 10, 1	4, 10, 1	2, 2, 1	I_4,I_{10},I_1	**2** : 1
B1	1	1	0	−22564	1295312	0	1	−	17, 5, 1	17, 5, 1	1, 1, 1	I_{17},I_5,I_1	
C1	1	−1	0	−1	−1	0	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
603					$N = 603 = 3^2 \cdot 67$ (6 isogeny classes)								**603**
A1	1	−1	0	−3	0	0	2	+	3, 1	0, 1	2, 1	III,I_1	**2** : 2
A2	1	−1	0	12	−9	0	2	−	3, 2	0, 2	2, 2	III,I_2	**2** : 1
B1	1	−1	1	−29	28	0	2	+	9, 1	0, 1	2, 1	III*,I_1	**2** : 2
B2	1	−1	1	106	136	0	2	−	9, 2	0, 2	2, 2	III*,I_2	**2** : 1
C1	1	−1	1	−7151	−230952	0	1	−	11, 1	5, 1	4, 1	I_5^*,I_1	
D1	0	0	1	15	−23	0	1	−	8, 1	2, 1	2, 1	I_2^*,I_1	
E1	1	−1	0	−9	−54	1	1	−	9, 1	3, 1	2, 1	I_3^*,I_1	
F1	0	0	1	−111	450	1	1	−	6, 1	0, 1	2, 1	I_0^*,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
605				$N = 605 = 5 \cdot 11^2$				(3 isogeny classes)					**605**
A1	1	−1	0	−1414	−44027	1	1	−	5, 8	5, 0	5, 3	I_5,IV^*	
B1	1	−1	1	98	−316	1	4	−	1, 7	1, 1	1, 4	I_1,I_1^*	**2** : 2
B2	1	−1	1	−507	−2494	1	4	+	2, 8	2, 2	2, 4	I_2,I_2^*	**2** : 1, 3, 4
B3	1	−1	1	−7162	−231426	1	2	+	4, 7	4, 1	4, 2	I_4,I_1^*	**2** : 2
B4	1	−1	1	−3532	79786	1	2	+	1, 10	1, 4	1, 4	I_1,I_4^*	**2** : 2
C1	1	−1	1	−12	36	1	1	−	5, 2	5, 0	5, 1	I_5,II	
606				$N = 606 = 2 \cdot 3 \cdot 101$				(6 isogeny classes)					**606**
A1	1	0	1	35	−136	0	2	−	12, 3, 1	12, 3, 1	2, 3, 1	I_{12},I_3,I_1	**2** : 2
A2	1	0	1	−285	−1544	0	4	+	6, 6, 2	6, 6, 2	2, 6, 2	I_6,I_6,I_2	**2** : 1, 3, 4
A3	1	0	1	−4325	−109816	0	2	+	3, 12, 1	3, 12, 1	1, 12, 1	I_3,I_{12},I_1	**2** : 2
A4	1	0	1	−1365	17896	0	2	+	3, 3, 4	3, 3, 4	1, 3, 2	I_3,I_3,I_4	**2** : 2
B1	1	0	1	4	2	1	1	−	3, 2, 1	3, 2, 1	1, 2, 1	I_3,I_2,I_1	
C1	1	1	1	−33	−87	0	1	−	1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	
D1	1	1	1	−1314	−65361	0	1	−	7, 17, 1	7, 17, 1	7, 1, 1	I_7,I_{17},I_1	
E1	1	0	0	−120	576	1	1	−	9, 6, 1	9, 6, 1	9, 6, 1	I_9,I_6,I_1	
F1	1	0	0	−90	324	0	5	−	5, 5, 1	5, 5, 1	5, 5, 1	I_5,I_5,I_1	**5** : 2
F2	1	0	0	600	−10626	0	1	−	1, 1, 5	1, 1, 5	1, 1, 5	I_1,I_1,I_5	**5** : 1
608				$N = 608 = 2^5 \cdot 19$				(6 isogeny classes)					**608**
A1	0	0	0	−8	−16	1	1	−	12, 1	0, 1	2, 1	III^*,I_1	
B1	0	0	0	−56	4848	0	1	−	12, 5	0, 5	2, 1	III^*,I_5	
C1	0	0	0	5	2	0	1	−	9, 1	0, 1	1, 1	I_0^*,I_1	
D1	0	0	0	−8	16	1	1	−	12, 1	0, 1	2, 1	III^*,I_1	
E1	0	0	0	−56	−4848	1	1	−	12, 5	0, 5	2, 5	III^*,I_5	
F1	0	0	0	5	−2	1	1	−	9, 1	0, 1	2, 1	I_0^*,I_1	
609				$N = 609 = 3 \cdot 7 \cdot 29$				(2 isogeny classes)					**609**
A1	1	1	0	0	3	1	2	−	1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	**2** : 2
A2	1	1	0	−35	66	1	2	+	2, 1, 2	2, 1, 2	2, 1, 2	I_2,I_1,I_2	**2** : 1
B1	1	1	1	−784	8720	1	4	−	3, 8, 1	3, 8, 1	1, 8, 1	I_3,I_8,I_1	**2** : 2
B2	1	1	1	−12789	551346	1	8	+	6, 4, 2	6, 4, 2	2, 4, 2	I_6,I_4,I_2	**2** : 1, 3, 4
B3	1	1	1	−13034	528806	1	4	+	12, 2, 4	12, 2, 4	2, 2, 4	I_{12},I_2,I_4	**2** : 2, 5, 6
B4	1	1	1	−204624	35542050	1	4	+	3, 2, 1	3, 2, 1	1, 2, 1	I_3,I_2,I_1	**2** : 2
B5	1	1	1	−42469	−2756140	1	2	+	24, 1, 2	24, 1, 2	2, 1, 2	I_{24},I_1,I_2	**2** : 3
B6	1	1	1	12481	2376092	1	2	−	6, 1, 8	6, 1, 8	2, 1, 8	I_6,I_1,I_8	**2** : 3
610				$N = 610 = 2 \cdot 5 \cdot 61$				(3 isogeny classes)					**610**
A1	1	−1	0	−35	−75	0	1	−	5, 3, 1	5, 3, 1	1, 1, 1	I_5,I_3,I_1	
B1	1	−1	0	−164	848	1	2	+	8, 3, 1	8, 3, 1	2, 3, 1	I_8,I_3,I_1	**2** : 2
B2	1	−1	0	−244	0	1	4	+	4, 6, 2	4, 6, 2	2, 6, 2	I_4,I_6,I_2	**2** : 1, 3, 4
B3	1	−1	0	−2744	−54500	1	2	+	2, 3, 4	2, 3, 4	2, 3, 4	I_2,I_3,I_4	**2** : 2
B4	1	−1	0	976	−732	1	4	−	2, 12, 1	2, 12, 1	2, 12, 1	I_2,I_{12},I_1	**2** : 2
C1	1	1	1	−5	−5	0	2	+	4, 1, 1	4, 1, 1	4, 1, 1	I_4,I_1,I_1	**2** : 2
C2	1	1	1	15	−13	0	2	−	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

611 $N = 611 = 13 \cdot 47$ (1 isogeny class) 611

A1	0	0	1	−1	1	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	

612 $N = 612 = 2^2 \cdot 3^2 \cdot 17$ (4 isogeny classes) 612

A1	0	0	0	−456	3748	0	3	−	8, 3, 1	0, 0, 1	3, 2, 1	IV^*,III,I_1	**3** : 2
A2	0	0	0	−216	7668	0	1	−	8, 9, 3	0, 0, 3	1, 2, 1	IV^*,III^*,I_3	**3** : 1
B1	0	0	0	−24	−284	1	3	−	8, 3, 3	0, 0, 3	3, 2, 3	IV^*,III,I_3	**3** : 2
B2	0	0	0	−4104	−101196	1	1	−	8, 9, 1	0, 0, 1	1, 2, 1	IV^*,III^*,I_1	**3** : 1
C1	0	0	0	−48	196	1	1	−	8, 7, 1	0, 1, 1	3, 4, 1	IV^*,I_1^*,I_1	
D1	0	0	0	−14592	679412	0	1	−	8, 17, 1	0, 11, 1	1, 2, 1	IV^*,I_{11}^*,I_1	

614 $N = 614 = 2 \cdot 307$ (2 isogeny classes) 614

A1	1	−1	1	−61	197	1	1	−	6, 1	6, 1	6, 1	I_6,I_1	
B1	1	0	0	27	1	1	3	−	12, 1	12, 1	12, 1	I_{12},I_1	**3** : 2
B2	1	0	0	−373	−2991	1	1	−	4, 3	4, 3	4, 3	I_4,I_3	**3** : 1

615 $N = 615 = 3 \cdot 5 \cdot 41$ (2 isogeny classes) 615

A1	1	1	1	−6	−6	1	2	+	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
A2	1	1	1	19	−16	1	2	−	4, 1, 2	4, 1, 2	2, 1, 2	I_4,I_1,I_2	**2** : 1
B1	0	1	1	79	−214	1	1	−	7, 4, 1	7, 4, 1	7, 2, 1	I_7,I_4,I_1	

616 $N = 616 = 2^3 \cdot 7 \cdot 11$ (5 isogeny classes) 616

A1	0	0	0	85	86	1	2	−	10, 3, 2	0, 3, 2	2, 1, 2	III^*,I_3,I_2	**2** : 2
A2	0	0	0	−355	702	1	2	+	11, 6, 1	0, 6, 1	1, 2, 1	II^*,I_6,I_1	**2** : 1
B1	0	−1	0	3828	95348	0	2	−	8, 5, 6	0, 5, 6	2, 5, 2	I_1^*,I_5,I_6	**2** : 2
B2	0	−1	0	−22792	936540	0	2	+	10, 10, 3	0, 10, 3	2, 10, 1	III^*,I_{10},I_3	**2** : 1
C1	0	1	0	−12	−32	0	2	−	8, 1, 2	0, 1, 2	2, 1, 2	I_1^*,I_1,I_2	**2** : 2
C2	0	1	0	−232	−1440	0	2	+	10, 2, 1	0, 2, 1	2, 2, 1	III^*,I_2,I_1	**2** : 1
D1	0	−1	0	−1	197	1	1	−	8, 2, 3	0, 2, 3	4, 2, 3	I_1^*,I_2,I_3	
E1	0	0	0	−26	−51	1	2	+	4, 1, 1	0, 1, 1	2, 1, 1	III,I_1,I_1	**2** : 2
E2	0	0	0	−31	−30	1	4	+	8, 2, 2	0, 2, 2	4, 2, 2	I_1^*,I_2,I_2	**2** : 1, 3, 4
E3	0	0	0	−251	1510	1	4	+	10, 4, 1	0, 4, 1	2, 4, 1	III^*,I_4,I_1	**2** : 2
E4	0	0	0	109	−226	1	2	−	10, 1, 4	0, 1, 4	2, 1, 2	III^*,I_1,I_4	**2** : 2

618 $N = 618 = 2 \cdot 3 \cdot 103$ (7 isogeny classes) 618

A1	1	1	0	2	4	1	1	−	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	
B1	1	1	0	−2819	−58803	1	1	−	19, 1, 1	19, 1, 1	1, 1, 1	I_{19},I_1,I_1	
C1	1	0	1	−21	34	1	3	−	1, 3, 1	1, 3, 1	1, 3, 1	I_1,I_3,I_1	**3** : 2
C2	1	0	1	54	196	1	1	−	3, 1, 3	3, 1, 3	1, 1, 3	I_3,I_1,I_3	**3** : 1
D1	1	0	1	325	−7018	1	3	−	4, 15, 1	4, 15, 1	2, 15, 1	I_4,I_{15},I_1	**3** : 2
D2	1	0	1	−20330	−1118500	1	1	−	12, 5, 3	12, 5, 3	2, 5, 3	I_{12},I_5,I_3	**3** : 1
E1	1	1	1	1	5	1	1	−	5, 1, 1	5, 1, 1	5, 1, 1	I_5,I_1,I_1	
F1	1	0	0	−185	1401	1	1	−	11, 7, 1	11, 7, 1	11, 7, 1	I_{11},I_7,I_1	
G1	1	0	0	−1484	−22128	0	1	−	8, 1, 1	8, 1, 1	8, 1, 1	I_8,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

620 $N = 620 = 2^2 \cdot 5 \cdot 31$ (3 isogeny classes) 620

A1	0	1	0	−101	359	1	3	−	8, 1, 1	0, 1, 1	3, 1, 1	IV*,I_1,I_1	**3** : 2
A2	0	1	0	59	1495	1	1	−	8, 3, 3	0, 3, 3	1, 1, 3	IV*,I_3,I_3	**3** : 1
B1	0	0	0	−1052	13129	1	2	+	4, 5, 2	0, 5, 2	3, 5, 2	IV,I_5,I_2	**2** : 2
B2	0	0	0	−1207	9006	1	2	+	8, 10, 1	0, 10, 1	3, 10, 1	IV*,I_{10},I_1	**2** : 1
C1	0	0	0	8	4	1	1	−	8, 1, 1	0, 1, 1	3, 1, 1	IV*,I_1,I_1	

621 $N = 621 = 3^3 \cdot 23$ (2 isogeny classes) 621

A1	1	−1	0	−123	548	0	1	+	11, 1	0, 1	1, 1	II*,I_1	
B1	1	−1	1	−14	−16	1	1	+	5, 1	0, 1	1, 1	IV,I_1	

622 $N = 622 = 2 \cdot 311$ (1 isogeny class) 622

A1	1	−1	1	8	−5	1	1	−	7, 1	7, 1	7, 1	I_7,I_1	

623 $N = 623 = 7 \cdot 89$ (1 isogeny class) 623

A1	1	1	0	28	157	1	1	−	6, 1	6, 1	6, 1	I_6,I_1	

624 $N = 624 = 2^4 \cdot 3 \cdot 13$ (10 isogeny classes) 624

A1	0	−1	0	−3	6	1	2	−	4, 1, 2	0, 1, 2	1, 1, 2	II,I_1,I_2	**2** : 2
A2	0	−1	0	−68	240	1	2	+	8, 2, 1	0, 2, 1	2, 2, 1	I_0^*,I_2,I_1	**2** : 1
B1	0	−1	0	5	−14	1	2	−	4, 3, 2	0, 3, 2	1, 1, 2	II,I_3,I_2	**2** : 2
B2	0	−1	0	−60	−144	1	2	+	8, 6, 1	0, 6, 1	2, 2, 1	I_0^*,I_6,I_1	**2** : 1
C1	0	−1	0	−7	−2	0	2	+	4, 4, 1	0, 4, 1	1, 2, 1	II,I_4,I_1	**2** : 2
C2	0	−1	0	−52	160	0	4	+	8, 2, 2	0, 2, 2	2, 2, 2	I_0^*,I_2,I_2	**2** : 1, 3, 4
C3	0	−1	0	−832	9520	0	2	+	10, 1, 1	0, 1, 1	2, 1, 1	I_2^*,I_1,I_1	**2** : 2
C4	0	−1	0	8	448	0	4	−	10, 1, 4	0, 1, 4	4, 1, 4	I_2^*,I_1,I_4	**2** : 2
D1	0	1	0	−3	0	0	2	+	4, 2, 1	0, 2, 1	1, 2, 1	II,I_2,I_1	**2** : 2
D2	0	1	0	12	12	0	2	−	8, 1, 2	0, 1, 2	2, 1, 2	I_0^*,I_1,I_2	**2** : 1
E1	0	1	0	−651	−6228	0	2	+	4, 10, 3	0, 10, 3	1, 10, 1	II,I_{10},I_3	**2** : 2
E2	0	1	0	564	−25668	0	2	−	8, 5, 6	0, 5, 6	2, 5, 2	I_0^*,I_5,I_6	**2** : 1
F1	0	1	0	−39	−108	1	2	+	4, 2, 1	0, 2, 1	1, 2, 1	II,I_2,I_1	**2** : 2
F2	0	1	0	−44	−84	1	4	+	8, 4, 2	0, 4, 2	2, 4, 2	I_0^*,I_4,I_2	**2** : 1, 3, 4
F3	0	1	0	−304	1892	1	4	+	10, 8, 1	0, 8, 1	4, 8, 1	I_2^*,I_8,I_1	**2** : 2
F4	0	1	0	136	−444	1	4	−	10, 2, 4	0, 2, 4	2, 2, 4	I_2^*,I_2,I_4	**2** : 2
G1	0	−1	0	−13	4	1	2	+	4, 6, 1	0, 6, 1	1, 2, 1	II,I_6,I_1	**2** : 2; **3** : 3
G2	0	−1	0	−148	−644	1	2	+	8, 3, 2	0, 3, 2	1, 1, 2	I_0^*,I_3,I_2	**2** : 1; **3** : 4
G3	0	−1	0	−733	7888	1	2	+	4, 2, 3	0, 2, 3	1, 2, 3	II,I_2,I_3	**2** : 4; **3** : 1
G4	0	−1	0	−748	7564	1	2	+	8, 1, 6	0, 1, 6	1, 1, 6	I_0^*,I_1,I_6	**2** : 3; **3** : 2
H1	0	1	0	8	20	0	2	−	12, 1, 1	0, 1, 1	4, 1, 1	I_4^*,I_1,I_1	**2** : 2
H2	0	1	0	−72	180	0	4	+	12, 2, 2	0, 2, 2	4, 2, 2	I_4^*,I_2,I_2	**2** : 1, 3, 4
H3	0	1	0	−312	−2028	0	2	+	12, 1, 4	0, 1, 4	2, 1, 4	I_4^*,I_1,I_4	**2** : 2
H4	0	1	0	−1112	13908	0	4	+	12, 4, 1	0, 4, 1	4, 4, 1	I_4^*,I_4,I_1	**2** : 2
I1	0	1	0	−312	−44460	0	2	−	28, 5, 1	16, 5, 1	4, 5, 1	I_{20}^*,I_5,I_1	**2** : 2
I2	0	1	0	−20792	−1150380	0	4	+	20, 10, 2	8, 10, 2	4, 10, 2	I_{12}^*,I_{10},I_2	**2** : 1, 3, 4
I3	0	1	0	−331832	−73684908	0	2	+	16, 5, 4	4, 5, 4	2, 5, 4	I_8^*,I_5,I_4	**2** : 2
I4	0	1	0	−37432	932948	0	4	+	16, 20, 1	4, 20, 1	4, 20, 1	I_8^*,I_{20},I_1	**2** : 2

	a_1 a_2 a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

624 $N = 624 = 2^4 \cdot 3 \cdot 13$ (continued) 624

J1	0 1 0	−5	−6	0	2	+ 4, 2, 1	0, 2, 1	1, 2, 1	II,I_2,I_1	**2** : 2
J2	0 1 0	−20	24	0	2	+ 8, 1, 2	0, 1, 2	1, 1, 2	I_0^*,I_1,I_2	**2** : 1

626 $N = 626 = 2 \cdot 313$ (2 isogeny classes) 626

A1	1 −1 0	−7	9	1	2	+ 2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1 −1 0	−17	−13	1	2	+ 1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
B1	1 0 1	−2210	39796	0	1	− 19, 1	19, 1	1, 1	I_{19},I_1	

627 $N = 627 = 3 \cdot 11 \cdot 19$ (2 isogeny classes) 627

A1	0 1 1	−1	−2	0	1	− 1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
B1	0 1 1	−363	−2995	0	3	− 9, 3, 1	9, 3, 1	9, 3, 1	I_9,I_3,I_1	**3** : 2
B2	0 1 1	−30063	−2016358	0	1	− 3, 1, 3	3, 1, 3	3, 1, 3	I_3,I_1,I_3	**3** : 1

628 $N = 628 = 2^2 \cdot 157$ (1 isogeny class) 628

A1	0 −1 0	4	8	0	1	− 8, 1	0, 1	1, 1	IV*,I_1	

629 $N = 629 = 17 \cdot 37$ (4 isogeny classes) 629

A1	1 −1 0	11	−18	1	1	− 3, 1	3, 1	1, 1	I_3,I_1	
B1	0 0 1	−211	1165	0	1	+ 2, 3	2, 3	2, 1	I_2,I_3	
C1	0 0 1	−40	48	1	1	+ 4, 1	4, 1	4, 1	I_4,I_1	
D1	1 −1 1	−171	1904	1	1	− 1, 5	1, 5	1, 5	I_1,I_5	

630 $N = 630 = 2 \cdot 3^2 \cdot 5 \cdot 7$ (10 isogeny classes) 630

A1	1 −1 0	−105	441	0	6	+ 2, 3, 1, 3	2, 0, 1, 3	2, 2, 1, 3	I_2,III,I_1,I_3	**2** : 2; **3** : 3
A2	1 −1 0	−75	675	0	6	− 1, 3, 2, 6	1, 0, 2, 6	1, 2, 2, 6	I_1,III,I_2,I_6	**2** : 1; **3** : 4
A3	1 −1 0	−420	−2800	0	2	+ 6, 9, 3, 1	6, 0, 3, 1	2, 2, 1, 1	I_6,III*,I_3,I_1	**2** : 4; **3** : 1
A4	1 −1 0	660	−15544	0	2	− 3, 9, 6, 2	3, 0, 6, 2	1, 2, 2, 2	I_3,III*,I_6,I_2	**2** : 3; **3** : 2
B1	1 −1 0	−5124	142160	0	2	+ 14, 3, 1, 5	14, 0, 1, 5	2, 2, 1, 1	I_{14},III,I_1,I_5	**2** : 2
B2	1 −1 0	−3204	248528	0	2	− 7, 3, 2, 10	7, 0, 2, 10	1, 2, 2, 2	I_7,III,I_2,I_{10}	**2** : 1
C1	1 −1 0	1890	−24300	0	2	− 16, 10, 2, 1	16, 4, 2, 1	2, 2, 2, 1	I_{16},I_4^*,I_2,I_1	**2** : 2
C2	1 −1 0	−9630	−210924	0	4	+ 8, 14, 4, 2	8, 8, 4, 2	2, 4, 2, 2	I_8,I_8^*,I_4,I_2	**2** : 1, 3, 4
C3	1 −1 0	−135630	−19186524	0	2	+ 4, 22, 2, 1	4, 16, 2, 1	2, 4, 2, 1	I_4,I_{16}^*,I_2,I_1	**2** : 2
C4	1 −1 0	−67950	6682500	0	4	+ 4, 10, 8, 4	4, 4, 8, 4	2, 4, 2, 2	I_4,I_4^*,I_8,I_4	**2** : 2, 5, 6
C5	1 −1 0	−1080450	432540000	0	4	+ 2, 8, 4, 8	2, 2, 4, 8	2, 4, 2, 2	I_2,I_2^*,I_4,I_8	**2** : 4, 7, 8
C6	1 −1 0	11430	21304296	0	2	− 2, 8, 16, 2	2, 2, 16, 2	2, 2, 2, 2	I_2,I_2^*,I_{16},I_2	**2** : 4
C7	1 −1 0	−17287200	27669604050	0	2	+ 1, 7, 2, 4	1, 1, 2, 4	1, 2, 2, 2	I_1,I_1^*,I_2,I_4	**2** : 5
C8	1 −1 0	−1073700	438205950	0	2	− 1, 7, 2, 16	1, 1, 2, 16	1, 4, 2, 2	I_1,I_1^*,I_2,I_{16}	**2** : 5
D1	1 −1 0	90	436	1	2	− 8, 7, 1, 2	8, 1, 1, 2	2, 2, 1, 2	I_8,I_1^*,I_1,I_2	**2** : 2
D2	1 −1 0	−630	4900	1	4	+ 4, 8, 2, 4	4, 2, 2, 4	2, 4, 2, 4	I_4,I_2^*,I_2,I_4	**2** : 1, 3, 4
D3	1 −1 0	−3330	−69080	1	2	+ 2, 7, 1, 8	2, 1, 1, 8	2, 4, 1, 8	I_2,I_1^*,I_1,I_8	**2** : 2
D4	1 −1 0	−9450	355936	1	4	+ 2, 10, 4, 2	2, 4, 4, 2	2, 4, 2, 2	I_2,I_4^*,I_4,I_2	**2** : 2, 5, 6
D5	1 −1 0	−151200	22667386	1	2	+ 1, 8, 2, 1	1, 2, 2, 1	1, 2, 2, 1	I_1,I_2^*,I_2,I_1	**2** : 4
D6	1 −1 0	−8820	404950	1	2	− 1, 14, 8, 1	1, 8, 8, 1	1, 4, 2, 1	I_1,I_8^*,I_8,I_1	**2** : 4

	a_1 a_2 a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

630 $N = 630 = 2 \cdot 3^2 \cdot 5 \cdot 7$ (continued) 630

E1	1 −1 0	21	53	1	2	− 4, 6, 2, 1	4, 0, 2, 1	2, 2, 2, 1	I_4,I_0^*,I_2,I_1	**2** : 2
E2	1 −1 0	−159	665	1	4	+ 2, 6, 4, 2	2, 0, 4, 2	2, 4, 4, 2	I_2,I_0^*,I_4,I_2	**2** : 1, 3, 4
E3	1 −1 0	−789	−7777	1	2	+ 1, 6, 8, 1	1, 0, 8, 1	1, 2, 8, 1	I_1,I_0^*,I_8,I_1	**2** : 2
E4	1 −1 0	−2409	46115	1	2	+ 1, 6, 2, 4	1, 0, 2, 4	1, 2, 2, 2	I_1,I_0^*,I_2,I_4	**2** : 2
F1	1 −1 0	−369	1053	0	2	+ 12, 9, 1, 1	12, 3, 1, 1	2, 2, 1, 1	I_{12},I_3^*,I_1,I_1	**2** : 2; **3** : 3
F2	1 −1 0	−3249	−69795	0	4	+ 6, 12, 2, 2	6, 6, 2, 2	2, 4, 2, 2	I_6,I_6^*,I_2,I_2	**2** : 1, 4, 5; **3** : 6
F3	1 −1 0	−24129	1448685	0	6	+ 4, 7, 3, 3	4, 1, 3, 3	2, 2, 3, 3	I_4,I_1^*,I_3,I_3	**2** : 6; **3** : 1
F4	1 −1 0	−51849	−4531275	0	2	+ 3, 9, 1, 4	3, 3, 1, 4	1, 4, 1, 4	I_3,I_3^*,I_1,I_4	**2** : 2; **3** : 7
F5	1 −1 0	−729	−177147	0	2	− 3, 18, 4, 1	3, 12, 4, 1	1, 4, 4, 1	I_3,I_{12}^*,I_4,I_1	**2** : 2; **3** : 8
F6	1 −1 0	−24309	1426113	0	12	+ 2, 8, 6, 6	2, 2, 6, 6	2, 4, 6, 6	I_2,I_2^*,I_6,I_6	**2** : 3, 7, 8; **3** : 2
F7	1 −1 0	−58059	−3373137	0	6	+ 1, 7, 3, 12	1, 1, 3, 12	1, 4, 3, 12	I_1,I_1^*,I_3,I_{12}	**2** : 6; **3** : 4
F8	1 −1 0	6561	4778595	0	6	− 1, 10, 12, 3	1, 4, 12, 3	1, 4, 12, 3	I_1,I_4^*,I_{12},I_3	**2** : 6; **3** : 5
G1	1 −1 1	−46118	−3792203	0	2	+ 14, 9, 1, 5	14, 0, 1, 5	14, 2, 1, 1	I_{14},III*,I_1,I_5	**2** : 2
G2	1 −1 1	−28838	−6681419	0	2	− 7, 9, 2, 10	7, 0, 2, 10	7, 2, 2, 2	I_7,III*,I_2,I_{10}	**2** : 1
H1	1 −1 1	−47	119	0	6	+ 6, 3, 3, 1	6, 0, 3, 1	6, 2, 3, 1	I_6,III,I_3,I_1	**2** : 2; **3** : 3
H2	1 −1 1	73	551	0	6	− 3, 3, 6, 2	3, 0, 6, 2	3, 2, 6, 2	I_3,III,I_6,I_2	**2** : 1; **3** : 4
H3	1 −1 1	−947	−10961	0	2	+ 2, 9, 1, 3	2, 0, 1, 3	2, 2, 1, 3	I_2,III*,I_1,I_3	**2** : 4; **3** : 1
H4	1 −1 1	−677	−17549	0	2	− 1, 9, 2, 6	1, 0, 2, 6	1, 2, 2, 6	I_1,III*,I_2,I_6	**2** : 3; **3** : 2
I1	1 −1 1	−4478	−114163	0	2	+ 8, 9, 3, 1	8, 3, 3, 1	8, 2, 1, 1	I_8,I_3^*,I_3,I_1	**2** : 2; **3** : 3
I2	1 −1 1	−5198	−74419	0	4	+ 4, 12, 6, 2	4, 6, 6, 2	4, 4, 2, 2	I_4,I_6^*,I_6,I_2	**2** : 1, 4, 5; **3** : 6
I3	1 −1 1	−13253	449597	0	6	+ 24, 7, 1, 3	24, 1, 1, 3	24, 2, 1, 3	I_{24},I_1^*,I_1,I_3	**2** : 6; **3** : 1
I4	1 −1 1	−39218	2946557	0	2	+ 2, 9, 12, 1	2, 3, 12, 1	2, 4, 2, 1	I_2,I_3^*,I_{12},I_1	**2** : 2; **3** : 7
I5	1 −1 1	17302	−560419	0	2	− 2, 18, 3, 4	2, 12, 3, 4	2, 4, 1, 4	I_2,I_{12}^*,I_3,I_4	**2** : 2; **3** : 8
I6	1 −1 1	−197573	33848381	0	12	+ 12, 8, 2, 6	12, 2, 2, 6	12, 4, 2, 6	I_{12},I_2^*,I_2,I_6	**2** : 3, 7, 8; **3** : 2
I7	1 −1 1	−3161093	2164026557	0	6	+ 6, 7, 4, 3	6, 1, 4, 3	6, 4, 2, 3	I_6,I_1^*,I_4,I_3	**2** : 6; **3** : 4
I8	1 −1 1	−183173	38980541	0	6	− 6, 10, 1, 12	6, 4, 1, 12	6, 4, 1, 12	I_6,I_4^*,I_1,I_{12}	**2** : 6; **3** : 5
J1	1 −1 1	−32	51	0	4	+ 4, 7, 1, 1	4, 1, 1, 1	4, 4, 1, 1	I_4,I_1^*,I_1,I_1	**2** : 2
J2	1 −1 1	−212	−1101	0	4	+ 2, 8, 2, 2	2, 2, 2, 2	2, 4, 2, 2	I_2,I_2^*,I_2,I_2	**2** : 1, 3, 4
J3	1 −1 1	−3362	−74181	0	2	+ 1, 10, 1, 1	1, 4, 1, 1	1, 4, 1, 1	I_1,I_4^*,I_1,I_1	**2** : 2
J4	1 −1 1	58	−3909	0	2	− 1, 7, 4, 4	1, 1, 4, 4	1, 2, 4, 2	I_1,I_1^*,I_4,I_4	**2** : 2

632 $N = 632 = 2^3 \cdot 79$ (1 isogeny class) 632

A1	0 1 0	−16	16	1	1	+ 10, 1	0, 1	2, 1	III*,I_1	

633 $N = 633 = 3 \cdot 211$ (1 isogeny class) 633

A1	1 1 1	−17	−70	1	1	− 8, 1	8, 1	2, 1	I_8,I_1	

635 $N = 635 = 5 \cdot 127$ (2 isogeny classes) 635

A1	0 1 1	5	6	1	3	− 3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
A2	0 1 1	−45	−209	1	1	− 1, 3	1, 3	1, 3	I_1,I_3	**3** : 1
B1	0 −1 1	−10	16	1	1	− 1, 1	1, 1	1, 1	I_1,I_1	

637 $N = 637 = 7^2 \cdot 13$ (4 isogeny classes) 637

A1	1 −1 0	−107	454	1	1	− 4, 1	0, 1	1, 1	IV,I_1	**7** : 2
A2	1 −1 0	628	−17823	1	1	− 4, 7	0, 7	1, 1	IV,I_7	**7** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

637 $N = 637 = 7^2 \cdot 13$ (continued) 637

B1	0	−1	1	−359	−2507	0	1	−	7, 1	1, 1	4, 1	I_1^*,I_1	**3** : 2
B2	0	−1	1	621	−13238	0	1	−	9, 3	3, 3	4, 1	I_3^*,I_3	**3** : 1, 3
B3	0	−1	1	−5749	415463	0	1	−	15, 1	9, 1	4, 1	I_9^*,I_1	**3** : 2
C1	1	−1	0	−5252	−145223	1	1	−	10, 1	0, 1	1, 1	II*,I_1	**7** : 2
C2	1	−1	0	30763	6051758	1	1	−	10, 7	0, 7	1, 7	II*,I_7	**7** : 1
D1	0	0	1	49	−86	1	1	−	7, 1	1, 1	2, 1	I_1^*,I_1	

639 $N = 639 = 3^2 \cdot 71$ (1 isogeny class) 639

A1	1	−1	1	4	−34	1	2	−	8, 1	2, 1	4, 1	I_2^*,I_1	**2** : 2
A2	1	−1	1	−131	−520	1	2	+	7, 2	1, 2	4, 2	I_1^*,I_2	**2** : 1

640 $N = 640 = 2^7 \cdot 5$ (8 isogeny classes) 640

A1	0	0	0	−13	−18	1	2	+	7, 1	0, 1	1, 1	II,I_1	**2** : 2
A2	0	0	0	−8	−32	1	2	−	14, 2	0, 2	2, 2	III*,I_2	**2** : 1
B1	0	0	0	−13	18	1	2	+	7, 1	0, 1	1, 1	II,I_1	**2** : 2
B2	0	0	0	−8	32	1	2	−	14, 2	0, 2	2, 2	III*,I_2	**2** : 1
C1	0	0	0	−2	−4	0	2	−	8, 2	0, 2	2, 2	III,I_2	**2** : 2
C2	0	0	0	−52	−144	0	2	+	13, 1	0, 1	4, 1	I_2^*,I_1	**2** : 1
D1	0	−1	0	−15	−25	0	2	−	8, 4	0, 4	2, 4	III,I_4	**2** : 2
D2	0	−1	0	−265	−1575	0	2	+	13, 2	0, 2	4, 2	I_2^*,I_2	**2** : 1
E1	0	−1	0	−66	230	0	2	+	7, 2	0, 2	1, 2	II,I_2	**2** : 2
E2	0	−1	0	−61	261	0	2	−	14, 4	0, 4	2, 2	III*,I_4	**2** : 1
F1	0	1	0	−66	−230	0	2	+	7, 2	0, 2	1, 2	II,I_2	**2** : 2
F2	0	1	0	−61	−261	0	2	−	14, 4	0, 4	2, 2	III*,I_4	**2** : 1
G1	0	0	0	−2	4	1	2	−	8, 2	0, 2	2, 2	III,I_2	**2** : 2
G2	0	0	0	−52	144	1	2	+	13, 1	0, 1	2, 1	I_2^*,I_1	**2** : 1
H1	0	1	0	−15	25	1	2	−	8, 4	0, 4	2, 4	III,I_4	**2** : 2
H2	0	1	0	−265	1575	1	2	+	13, 2	0, 2	2, 2	I_2^*,I_2	**2** : 1

642 $N = 642 = 2 \cdot 3 \cdot 107$ (3 isogeny classes) 642

A1	1	1	0	−49	85	0	2	+	10, 3, 1	10, 3, 1	2, 1, 1	I_{10},I_3,I_1	**2** : 2
A2	1	1	0	111	693	0	2	−	5, 6, 2	5, 6, 2	1, 2, 2	I_5,I_6,I_2	**2** : 1
B1	1	0	1	140	−790	0	3	−	3, 12, 1	3, 12, 1	1, 12, 1	I_3,I_{12},I_1	**3** : 2
B2	1	0	1	−4315	−109978	0	1	−	9, 4, 3	9, 4, 3	1, 4, 1	I_9,I_4,I_3	**3** : 1
C1	1	1	1	79	335	1	1	−	13, 4, 1	13, 4, 1	13, 2, 1	I_{13},I_4,I_1	

643 $N = 643 = 643$ (1 isogeny class) 643

A1	1	0	0	−4	3	2	1	−	1	1	1	I_1	

644 $N = 644 = 2^2 \cdot 7 \cdot 23$ (2 isogeny classes) 644

A1	0	1	0	6	−43	1	1	−	4, 4, 1	0, 4, 1	1, 2, 1	IV,I_4,I_1	
B1	0	−1	0	2	−7	1	1	−	4, 2, 1	0, 2, 1	3, 2, 1	IV,I_2,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord_(j)	c_p	Kodaira	Isogenies
645				$N = 645 = 3 \cdot 5 \cdot 43$ (6 isogeny classes)								**645**
A1	1	1	0	2	7	0	2	− 4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
A2	1	1	0	−43	88	0	4	+ 2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
A3	1	1	0	−118	−407	0	2	+ 1, 1, 4	1, 1, 4	1, 1, 4	I_1,I_1,I_4	**2** : 2
A4	1	1	0	−688	6667	0	2	+ 1, 4, 1	1, 4, 1	1, 2, 1	I_1,I_4,I_1	**2** : 2
B1	1	1	0	−22	31	0	2	+ 3, 2, 1	3, 2, 1	1, 2, 1	I_3,I_2,I_1	**2** : 2
B2	1	1	0	3	126	0	2	− 6, 1, 2	6, 1, 2	2, 1, 2	I_6,I_1,I_2	**2** : 1
C1	0	−1	1	−16780	855303	0	1	− 14, 2, 3	14, 2, 3	2, 2, 1	I_{14},I_2,I_3	
D1	0	−1	1	−18000	−923542	0	1	− 6, 2, 1	6, 2, 1	2, 2, 1	I_6,I_2,I_1	
E1	0	1	1	1815	141239	1	1	− 12, 8, 1	12, 8, 1	12, 8, 1	I_{12},I_8,I_1	
F1	0	1	1	10	44	1	1	− 6, 2, 1	6, 2, 1	6, 2, 1	I_6,I_2,I_1	
646				$N = 646 = 2 \cdot 17 \cdot 19$ (5 isogeny classes)								**646**
A1	1	−1	0	−125	−507	0	2	+ 6, 1, 2	6, 1, 2	2, 1, 2	I_6,I_1,I_2	**2** : 2
A2	1	−1	0	−85	−867	0	2	− 3, 2, 4	3, 2, 4	1, 2, 4	I_3,I_2,I_4	**2** : 1
B1	1	1	1	−77	−77	0	2	+ 4, 3, 2	4, 3, 2	4, 1, 2	I_4,I_3,I_2	**2** : 2
B2	1	1	1	303	−229	0	2	− 2, 6, 1	2, 6, 1	2, 2, 1	I_2,I_6,I_1	**2** : 1
C1	1	0	0	−241	1413	0	2	+ 2, 1, 4	2, 1, 4	2, 1, 2	I_2,I_1,I_4	**2** : 2
C2	1	0	0	−3851	91663	0	2	+ 1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
D1	1	−1	1	−406	3237	1	2	+ 12, 1, 2	12, 1, 2	12, 1, 2	I_{12},I_1,I_2	**2** : 2
D2	1	−1	1	−6486	202661	1	2	+ 6, 2, 1	6, 2, 1	6, 2, 1	I_6,I_2,I_1	**2** : 1
E1	1	0	0	−153	505	0	6	+ 6, 3, 2	6, 3, 2	6, 3, 2	I_6,I_3,I_2	**2** : 2; **3** : 3
E2	1	0	0	−913	−10287	0	6	+ 3, 6, 1	3, 6, 1	3, 6, 1	I_3,I_6,I_1	**2** : 1; **3** : 4
E3	1	0	0	−4573	−119379	0	2	+ 2, 1, 6	2, 1, 6	2, 1, 6	I_2,I_1,I_6	**2** : 4; **3** : 1
E4	1	0	0	−73163	−7623125	0	2	+ 1, 2, 3	1, 2, 3	1, 2, 3	I_1,I_2,I_3	**2** : 3; **3** : 2
648				$N = 648 = 2^3 \cdot 3^4$ (4 isogeny classes)								**648**
A1	0	0	0	−3	14	1	1	− 10, 4	0, 0	2, 1	III*,II	
B1	0	0	0	−3	−1	1	1	+ 4, 4	0, 0	2, 1	III,II	
C1	0	0	0	−27	−378	0	1	− 10, 10	0, 0	2, 1	III*,IV*	
D1	0	0	0	−27	27	1	1	+ 4, 10	0, 0	2, 3	III,IV*	
649				$N = 649 = 11 \cdot 59$ (1 isogeny class)								**649**
A1	1	0	0	−1	4	1	1	− 2, 1	2, 1	2, 1	I_2,I_1	
650				$N = 650 = 2 \cdot 5^2 \cdot 13$ (13 isogeny classes)								**650**
A1	1	−1	0	−167	−259	1	2	+ 8, 7, 1	8, 1, 1	2, 2, 1	I_8,I_1^*,I_1	**2** : 2
A2	1	−1	0	−2167	−38259	1	4	+ 4, 8, 2	4, 2, 2	2, 4, 2	I_4,I_2^*,I_2	**2** : 1, 3, 4
A3	1	−1	0	−34667	−2475759	1	2	+ 2, 7, 1	2, 1, 1	2, 2, 1	I_2,I_1^*,I_1	**2** : 2
A4	1	−1	0	−1667	−56759	1	2	− 2, 10, 4	2, 4, 4	2, 4, 2	I_2,I_4^*,I_4	**2** : 2
B1	1	1	0	−130	−780	1	1	− 18, 2, 1	18, 0, 1	2, 1, 1	I_{18},II,I_1	**3** : 2
B2	1	1	0	−11330	−468940	1	1	− 6, 2, 3	6, 0, 3	2, 1, 1	I_6,II,I_3	**3** : 1
C1	1	−1	0	−22	46	1	1	− 1, 2, 2	1, 0, 2	1, 1, 2	I_1,II,I_2	
D1	1	0	1	299	22048	0	1	− 7, 10, 2	7, 0, 2	1, 1, 2	I_7,II*,I_2	
E1	1	0	1	−21026	−1175052	0	2	+ 8, 11, 1	8, 5, 1	2, 4, 1	I_8,I_5^*,I_1	**2** : 2
E2	1	0	1	−19026	−1407052	0	2	− 4, 16, 2	4, 10, 2	2, 4, 2	I_4,I_{10}^*,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
650				$N = 650 = 2 \cdot 5^2 \cdot 13$ (continued)								**650**
F1	1	−1	0	−67	341	0	1	− 7, 6, 1	7, 0, 1	1, 1, 1	I_7,I_0^*,I_1	**7** : 2
F2	1	−1	0	−5317	−162409	0	1	− 1, 6, 7	1, 0, 7	1, 1, 7	I_1,I_0^*,I_7	**7** : 1
G1	1	0	1	−26	48	1	3	− 2, 4, 1	2, 0, 1	2, 3, 1	I_2,IV,I_1	**3** : 2
G2	1	0	1	99	248	1	1	− 6, 4, 3	6, 0, 3	2, 1, 3	I_6,IV,I_3	**3** : 1
H1	1	1	1	12	31	0	1	− 1, 6, 1	1, 0, 1	1, 1, 1	I_1,I_0^*,I_1	**3** : 2
H2	1	1	1	−113	−969	0	1	− 3, 6, 3	3, 0, 3	3, 1, 1	I_3,I_0^*,I_3	**3** : 1, 3
H3	1	1	1	−11488	−478719	0	1	− 9, 6, 1	9, 0, 1	9, 1, 1	I_9,I_0^*,I_1	**3** : 2
I1	1	1	1	−638	6031	0	1	− 2, 10, 1	2, 0, 1	2, 1, 1	I_2,II^*,I_1	**3** : 2
I2	1	1	1	2487	31031	0	1	− 6, 10, 3	6, 0, 3	6, 1, 1	I_6,II^*,I_3	**3** : 1
J1	1	1	1	−813	8531	0	2	+ 4, 9, 1	4, 3, 1	4, 2, 1	I_4,I_3^*,I_1	**2** : 2; **3** : 3
J2	1	1	1	−313	19531	0	2	− 2, 12, 2	2, 6, 2	2, 4, 2	I_2,I_6^*,I_2	**2** : 1; **3** : 4
J3	1	1	1	−5188	−140219	0	2	+ 12, 7, 3	12, 1, 3	12, 2, 1	I_{12},I_1^*,I_3	**2** : 4; **3** : 1
J4	1	1	1	2812	−524219	0	2	− 6, 8, 6	6, 2, 6	6, 4, 2	I_6,I_2^*,I_6	**2** : 3; **3** : 2
K1	1	1	1	12	181	1	1	− 7, 4, 2	7, 0, 2	7, 3, 2	I_7,IV,I_2	
L1	1	0	0	−3263	−90983	0	3	− 18, 8, 1	18, 0, 1	18, 3, 1	I_{18},IV^*,I_1	**3** : 2
L2	1	0	0	−283263	−58050983	0	1	− 6, 8, 3	6, 0, 3	6, 1, 3	I_6,IV^*,I_3	**3** : 1
M1	1	−1	1	−555	5197	0	1	− 1, 8, 2	1, 0, 2	1, 1, 2	I_1,IV^*,I_2	
651				$N = 651 = 3 \cdot 7 \cdot 31$ (5 isogeny classes)								**651**
A1	1	1	0	−5596	−164045	0	2	− 2, 10, 1	2, 10, 1	2, 10, 1	I_2,I_{10},I_1	**2** : 2
A2	1	1	0	−89631	−10365894	0	2	+ 4, 5, 2	4, 5, 2	2, 5, 2	I_4,I_5,I_2	**2** : 1
B1	1	1	0	−3	0	0	2	+ 2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
B2	1	1	0	12	15	0	2	− 1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
C1	1	0	1	3	−5	1	2	− 2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
C2	1	0	1	−32	−61	1	2	+ 4, 1, 2	4, 1, 2	4, 1, 2	I_4,I_1,I_2	**2** : 1
D1	1	0	0	36	−81	1	4	− 4, 4, 1	4, 4, 1	4, 4, 1	I_4,I_4,I_1	**2** : 2
D2	1	0	0	−209	−816	1	4	+ 8, 2, 2	8, 2, 2	8, 2, 2	I_8,I_2,I_2	**2** : 1, 3, 4
D3	1	0	0	−3044	−64887	1	2	+ 4, 1, 4	4, 1, 4	4, 1, 2	I_4,I_1,I_4	**2** : 2
D4	1	0	0	−1294	17195	1	2	+ 16, 1, 1	16, 1, 1	16, 1, 1	I_{16},I_1,I_1	**2** : 2
E1	0	1	1	23	−83	0	3	− 9, 1, 1	9, 1, 1	9, 1, 1	I_9,I_1,I_1	**3** : 2
E2	0	1	1	−1057	−13610	0	3	− 3, 3, 3	3, 3, 3	3, 3, 3	I_3,I_3,I_3	**3** : 1, 3
E3	0	1	1	−85687	−9682913	0	1	− 1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**3** : 2
654				$N = 654 = 2 \cdot 3 \cdot 109$ (2 isogeny classes)								**654**
A1	1	0	1	−174	880	1	1	− 4, 8, 1	4, 8, 1	2, 8, 1	I_4,I_8,I_1	
B1	1	1	1	−56	1145	1	1	− 16, 4, 1	16, 4, 1	16, 2, 1	I_{16},I_4,I_1	
655				$N = 655 = 5 \cdot 131$ (1 isogeny class)								**655**
A1	0	0	1	−13	18	2	1	− 2, 1	2, 1	2, 1	I_2,I_1	
656				$N = 656 = 2^4 \cdot 41$ (3 isogeny classes)								**656**
A1	0	0	0	−11	10	1	2	+ 10, 1	0, 1	4, 1	I_2^*,I_1	**2** : 2
A2	0	0	0	29	66	1	2	− 11, 2	0, 2	2, 2	I_3^*,I_2	**2** : 1
B1	0	1	0	−12	−20	0	2	+ 8, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
B2	0	1	0	8	−60	0	2	− 10, 2	0, 2	2, 2	I_2^*,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

656 $N = 656 = 2^4 \cdot 41$ (continued) 656

C1	0	−1	0	−24	−16	0	2	+	14, 1	2, 1	4, 1	I_6^*,I_1	**2** : 2
C2	0	−1	0	−184	1008	0	2	+	13, 2	1, 2	2, 2	I_5^*,I_2	**2** : 1

657 $N = 657 = 3^2 \cdot 73$ (4 isogeny classes) 657

A1	1	−1	1	−743	7494	0	2	+	16, 1	10, 1	4, 1	I_{10}^*,I_1	**2** : 2
A2	1	−1	1	−11678	488634	0	2	+	11, 2	5, 2	2, 2	I_5^*,I_2	**2** : 1
B1	0	0	1	−57	−167	0	1	−	7, 1	1, 1	4, 1	I_1^*,I_1	
C1	0	0	1	24	−36	1	1	−	9, 1	3, 1	2, 1	I_3^*,I_1	**3** : 2
C2	0	0	1	−246	2043	1	3	−	7, 3	1, 3	2, 3	I_1^*,I_3	**3** : 1
D1	1	−1	1	−11	10	1	2	+	6, 1	0, 1	4, 1	I_0^*,I_1	**2** : 2
D2	1	−1	1	34	46	1	2	−	6, 2	0, 2	2, 2	I_0^*,I_2	**2** : 1

658 $N = 658 = 2 \cdot 7 \cdot 47$ (6 isogeny classes) 658

A1	1	1	0	−117008	18214144	0	1	−	30, 7, 1	30, 7, 1	2, 1, 1	I_{30},I_7,I_1	
B1	1	1	0	−9	5	0	2	+	6, 1, 1	6, 1, 1	2, 1, 1	I_6,I_1,I_1	**2** : 2
B2	1	1	0	−49	−147	0	2	+	3, 2, 2	3, 2, 2	1, 2, 2	I_3,I_2,I_2	**2** : 1
C1	1	0	1	3	12	0	3	−	2, 3, 1	2, 3, 1	2, 3, 1	I_2,I_3,I_1	**3** : 2
C2	1	0	1	−32	−338	0	1	−	6, 1, 3	6, 1, 3	2, 1, 1	I_6,I_1,I_3	**3** : 1
D1	1	1	1	24	−23	1	1	−	12, 1, 1	12, 1, 1	12, 1, 1	I_{12},I_1,I_1	
E1	1	−1	1	1668	19775	1	2	−	22, 4, 1	22, 4, 1	22, 4, 1	I_{22},I_4,I_1	**2** : 2
E2	1	−1	1	−8572	183615	1	2	+	11, 8, 2	11, 8, 2	11, 8, 2	I_{11},I_8,I_2	**2** : 1
F1	1	−1	1	−18	33	1	1	−	4, 1, 1	4, 1, 1	4, 1, 1	I_4,I_1,I_1	

659 $N = 659 = 659$ (2 isogeny classes) 659

A1	1	1	0	−79	−306	1	1	+	1	1	1	I_1	
B1	0	1	1	−372	2641	0	1	−	1	1	1	I_1	

660 $N = 660 = 2^2 \cdot 3 \cdot 5 \cdot 11$ (4 isogeny classes) 660

A1	0	−1	0	−21	−54	0	2	−	4, 2, 4, 1	0, 2, 4, 1	1, 2, 2, 1	IV,I_2,I_4,I_1	**2** : 2
A2	0	−1	0	−396	−2904	0	2	+	8, 1, 2, 2	0, 1, 2, 2	1, 1, 2, 2	IV^*,I_1,I_2,I_2	**2** : 1
B1	0	−1	0	−1	10	1	2	−	4, 2, 2, 1	0, 2, 2, 1	3, 2, 2, 1	IV,I_2,I_2,I_1	**2** : 2
B2	0	−1	0	−76	280	1	2	+	8, 1, 1, 2	0, 1, 1, 2	3, 1, 1, 2	IV^*,I_1,I_1,I_2	**2** : 1
C1	0	1	0	−41	120	1	6	−	4, 6, 2, 1	0, 6, 2, 1	3, 6, 2, 1	IV,I_6,I_2,I_1	**2** : 2; **3** : 3
C2	0	1	0	−716	7140	1	6	+	8, 3, 1, 2	0, 3, 1, 2	3, 3, 1, 2	IV^*,I_3,I_1,I_2	**2** : 1; **3** : 4
C3	0	1	0	319	−1356	1	2	−	4, 2, 6, 3	0, 2, 6, 3	1, 2, 2, 1	IV,I_2,I_6,I_3	**2** : 4; **3** : 1
C4	0	1	0	−1556	−13356	1	2	+	8, 1, 3, 6	0, 1, 3, 6	1, 1, 1, 2	IV^*,I_1,I_3,I_6	**2** : 3; **3** : 2
D1	0	1	0	219	−4500	0	6	−	4, 6, 4, 3	0, 6, 4, 3	3, 6, 2, 3	IV,I_6,I_4,I_3	**2** : 2; **3** : 3
D2	0	1	0	−3156	−63900	0	6	+	8, 3, 2, 6	0, 3, 2, 6	3, 3, 2, 6	IV^*,I_3,I_2,I_6	**2** : 1; **3** : 4
D3	0	1	0	−15621	−757296	0	2	−	4, 2, 12, 1	0, 2, 12, 1	1, 2, 2, 1	IV,I_2,I_{12},I_1	**2** : 4; **3** : 1
D4	0	1	0	−249996	−48194796	0	2	+	8, 1, 6, 2	0, 1, 6, 2	1, 1, 2, 2	IV^*,I_1,I_6,I_2	**2** : 3; **3** : 2

662 $N = 662 = 2 \cdot 331$ (1 isogeny class) 662

A1	1	0	1	32	−210	1	1	−	16, 1	16, 1	2, 1	I_{16},I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
663				$N = 663 = 3 \cdot 13 \cdot 17$	(3 isogeny classes)								**663**
A1	1	1	0	−262	−1745	0	2	+	6, 2, 1	6, 2, 1	2, 2, 1	I_6,I_2,I_1	**2** : 2
A2	1	1	0	−327	−900	0	2	+	12, 1, 2	12, 1, 2	2, 1, 2	I_{12},I_1,I_2	**2** : 1
B1	1	1	1	−539	4592	1	4	+	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
B2	1	1	1	−544	4496	1	8	+	4, 4, 2	4, 4, 2	2, 4, 2	I_4,I_4,I_2	**2** : 1, 3, 4
B3	1	1	1	−1389	−14094	1	4	+	8, 2, 4	8, 2, 4	2, 2, 4	I_8,I_2,I_4	**2** : 2, 5, 6
B4	1	1	1	221	17042	1	4	−	2, 8, 1	2, 8, 1	2, 8, 1	I_2,I_8,I_1	**2** : 2
B5	1	1	1	−20174	−1111138	1	2	+	16, 1, 2	16, 1, 2	2, 1, 2	I_{16},I_1,I_2	**2** : 3
B6	1	1	1	3876	−89910	1	2	−	4, 1, 8	4, 1, 8	2, 1, 8	I_4,I_1,I_8	**2** : 3
C1	1	0	0	−33	−72	1	2	+	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	**2** : 2
C2	1	0	0	−98	279	1	2	+	8, 1, 2	8, 1, 2	8, 1, 2	I_8,I_1,I_2	**2** : 1
664				$N = 664 = 2^3 \cdot 83$	(3 isogeny classes)								**664**
A1	0	0	0	−7	10	2	1	−	8, 1	0, 1	4, 1	I_1^*,I_1	
B1	0	1	0	1	2	1	1	−	4, 1	0, 1	2, 1	III,I_1	
C1	0	−1	0	−3	4	1	1	−	4, 1	0, 1	2, 1	III,I_1	
665				$N = 665 = 5 \cdot 7 \cdot 19$	(5 isogeny classes)								**665**
A1	1	1	1	64	258	1	1	−	3, 5, 1	3, 5, 1	1, 5, 1	I_3,I_5,I_1	
B1	1	−1	0	−14	−17	1	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
B2	1	−1	0	−19	0	1	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
B3	1	−1	0	−194	1085	1	4	+	1, 1, 4	1, 1, 4	1, 1, 4	I_1,I_1,I_4	**2** : 2
B4	1	−1	0	76	−57	1	2	−	4, 4, 1	4, 4, 1	4, 2, 1	I_4,I_4,I_1	**2** : 2
C1	1	1	0	−2	1	1	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
D1	0	−1	1	−210	6798	1	5	−	5, 5, 2	5, 5, 2	5, 5, 2	I_5,I_5,I_2	**5** : 2
D2	0	−1	1	−16660	−1081562	1	1	−	1, 1, 10	1, 1, 10	1, 1, 2	I_1,I_1,I_{10}	**5** : 1
E1	0	0	1	−97	−368	0	1	−	1, 1, 2	1, 1, 2	1, 1, 2	I_1,I_1,I_2	
666				$N = 666 = 2 \cdot 3^2 \cdot 37$	(7 isogeny classes)								**666**
A1	1	−1	0	−231	−1315	0	1	−	5, 9, 1	5, 0, 1	1, 2, 1	I_5,III^*,I_1	
B1	1	−1	0	153	−4685	0	1	−	1, 17, 1	1, 11, 1	1, 2, 1	I_1,I_{11}^*,I_1	
C1	1	−1	0	18	108	1	1	−	3, 9, 1	3, 3, 1	1, 4, 1	I_3,I_3^*,I_1	**3** : 2
C2	1	−1	0	−1332	19062	1	3	−	1, 7, 3	1, 1, 3	1, 4, 3	I_1,I_1^*,I_3	**3** : 1
D1	1	−1	1	−26	57	1	1	−	5, 3, 1	5, 0, 1	5, 2, 1	I_5,III,I_1	
E1	1	−1	1	13	1235	1	1	−	13, 7, 1	13, 1, 1	13, 4, 1	I_{13},I_1^*,I_1	
F1	1	−1	1	139	141	0	4	−	8, 9, 1	8, 3, 1	8, 4, 1	I_8,I_3^*,I_1	**2** : 2
F2	1	−1	1	−581	1581	0	4	+	4, 12, 2	4, 6, 2	4, 4, 2	I_4,I_6^*,I_2	**2** : 1, 3, 4
F3	1	−1	1	−5441	−151995	0	2	+	2, 9, 4	2, 3, 4	2, 2, 4	I_2,I_3^*,I_4	**2** : 2
F4	1	−1	1	−7241	238677	0	2	+	2, 18, 1	2, 12, 1	2, 4, 1	I_2,I_{12}^*,I_1	**2** : 2
G1	1	−1	1	−1640858	−808607271	0	1	−	23, 15, 1	23, 9, 1	23, 2, 1	I_{23},I_9^*,I_1	
669				$N = 669 = 3 \cdot 223$	(1 isogeny class)								**669**
A1	1	1	0	−1	−2	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	
670				$N = 670 = 2 \cdot 5 \cdot 67$	(4 isogeny classes)								**670**
A1	1	−1	0	−524	−8920	1	1	−	3, 11, 1	3, 11, 1	1, 11, 1	I_3,I_{11},I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
670					$N = 670 = 2 \cdot 5 \cdot 67$ (continued)								**670**
B1	1	0	1	2	6	1	3	−	1, 3, 1	1, 3, 1	1, 3, 1	I_1,I_3,I_1	**3** : 2
B2	1	0	1	−23	−174	1	1	−	3, 1, 3	3, 1, 3	1, 1, 3	I_3,I_1,I_3	**3** : 1
C1	1	−1	1	−13	21	1	1	−	5, 1, 1	5, 1, 1	5, 1, 1	I_5,I_1,I_1	
D1	1	0	0	44	−624	1	1	−	19, 1, 1	19, 1, 1	19, 1, 1	I_{19},I_1,I_1	
672					$N = 672 = 2^5 \cdot 3 \cdot 7$ (8 isogeny classes)								**672**
A1	0	−1	0	2	4	1	2	−	6, 1, 2	0, 1, 2	2, 1, 2	III,I_1,I_2	**2** : 2
A2	0	−1	0	−33	81	1	2	+	12, 2, 1	0, 2, 1	4, 2, 1	I_3^*,I_2,I_1	**2** : 1
B1	0	1	0	210	1764	1	2	−	6, 5, 6	0, 5, 6	2, 5, 6	III,I_5,I_6	**2** : 2
B2	0	1	0	−1505	17199	1	2	+	12, 10, 3	0, 10, 3	4, 10, 3	I_3^*,I_{10},I_3	**2** : 1
C1	0	−1	0	−22	40	0	4	+	6, 4, 2	0, 4, 2	2, 2, 2	III,I_4,I_2	**2** : 2, 3, 4
C2	0	−1	0	−112	−392	0	2	+	9, 2, 4	0, 2, 4	1, 2, 2	I_0^*,I_2,I_4	**2** : 1
C3	0	−1	0	−337	2497	0	4	+	12, 2, 1	0, 2, 1	4, 2, 1	I_3^*,I_2,I_1	**2** : 1
C4	0	−1	0	48	180	0	2	−	9, 8, 1	0, 8, 1	2, 2, 1	I_0^*,I_8,I_1	**2** : 1
D1	0	−1	0	210	−1764	0	2	−	6, 5, 6	0, 5, 6	2, 1, 2	III,I_5,I_6	**2** : 2
D2	0	−1	0	−1505	−17199	0	2	+	12, 10, 3	0, 10, 3	2, 2, 1	I_3^*,I_{10},I_3	**2** : 1
E1	0	−1	0	−14	24	1	4	+	6, 2, 2	0, 2, 2	2, 2, 2	III,I_2,I_2	**2** : 2, 3, 4
E2	0	−1	0	−49	−95	1	2	+	12, 4, 1	0, 4, 1	4, 2, 1	I_3^*,I_4,I_1	**2** : 1
E3	0	−1	0	−224	1368	1	2	+	9, 1, 1	0, 1, 1	1, 1, 1	I_0^*,I_1,I_1	**2** : 1
E4	0	−1	0	16	84	1	4	−	9, 1, 4	0, 1, 4	2, 1, 4	I_0^*,I_1,I_4	**2** : 1
F1	0	1	0	−14	−24	1	4	+	6, 2, 2	0, 2, 2	2, 2, 2	III,I_2,I_2	**2** : 2, 3, 4
F2	0	1	0	−224	−1368	1	2	+	9, 1, 1	0, 1, 1	2, 1, 1	I_0^*,I_1,I_1	**2** : 1
F3	0	1	0	−49	95	1	4	+	12, 4, 1	0, 4, 1	4, 4, 1	I_3^*,I_4,I_1	**2** : 1
F4	0	1	0	16	−84	1	2	−	9, 1, 4	0, 1, 4	1, 1, 2	I_0^*,I_1,I_4	**2** : 1
G1	0	1	0	2	−4	0	2	−	6, 1, 2	0, 1, 2	2, 1, 2	III,I_1,I_2	**2** : 2
G2	0	1	0	−33	−81	0	2	+	12, 2, 1	0, 2, 1	2, 2, 1	I_3^*,I_2,I_1	**2** : 1
H1	0	1	0	−22	−40	0	4	+	6, 4, 2	0, 4, 2	2, 4, 2	III,I_4,I_2	**2** : 2, 3, 4
H2	0	1	0	−337	−2497	0	2	+	12, 2, 1	0, 2, 1	4, 2, 1	I_3^*,I_2,I_1	**2** : 1
H3	0	1	0	−112	392	0	4	+	9, 2, 4	0, 2, 4	2, 2, 4	I_0^*,I_2,I_4	**2** : 1
H4	0	1	0	48	−180	0	2	−	9, 8, 1	0, 8, 1	1, 8, 1	I_0^*,I_8,I_1	**2** : 1
674					$N = 674 = 2 \cdot 337$ (3 isogeny classes)								**674**
A1	1	0	1	3	0	1	1	−	3, 1	3, 1	1, 1	I_3,I_1	
B1	1	−1	1	−6	5	1	2	+	4, 1	4, 1	4, 1	I_4,I_1	**2** : 2
B2	1	−1	1	14	21	1	2	−	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1
C1	1	−1	1	2064	18771	1	1	−	31, 1	31, 1	31, 1	I_{31},I_1	
675					$N = 675 = 3^3 \cdot 5^2$ (9 isogeny classes)								**675**
A1	0	0	1	0	31	1	1	−	3, 6	0, 0	1, 2	II,I_0^*	**3** : 2, 3
A2	0	0	1	0	−844	1	1	−	9, 6	0, 0	1, 2	IV*,I_0^*	**3** : 1, 4
A3	0	0	1	−750	7906	1	1	−	5, 6	0, 0	3, 2	IV,I_0^*	**3** : 1
A4	0	0	1	−6750	−213469	1	1	−	11, 6	0, 0	1, 2	II*,I_0^*	**3** : 2
B1	1	−1	1	−5	2	1	1	+	5, 2	0, 0	3, 1	IV,II	
C1	0	0	1	0	6	0	3	−	3, 4	0, 0	1, 3	II,IV	**3** : 2
C2	0	0	1	0	−169	0	1	−	9, 4	0, 0	1, 1	IV*,IV	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
675				$N = 675 = 3^3 \cdot 5^2$ (continued)								**675**
D1	1	−1	1	−1055	−3428	0	1	+ 11, 8	0, 0	1, 1	II*,IV*	
E1	0	0	1	0	781	0	1	− 3, 10	0, 0	1, 1	II,II*	**3** : 2
E2	0	0	1	0	−21094	0	1	− 9, 10	0, 0	3, 1	IV*,II*	**3** : 1
F1	1	−1	0	−42	−19	0	1	+ 11, 2	0, 0	1, 1	II*,II	
G1	0	0	1	−75	531	0	1	− 5, 8	0, 2	1, 2	IV,I_2^*	
H1	0	0	1	−675	−14344	0	1	− 11, 8	0, 2	1, 2	II*,I_2^*	
I1	1	−1	0	−117	166	1	1	+ 5, 8	0, 0	1, 3	IV,IV*	
676				$N = 676 = 2^2 \cdot 13^2$ (5 isogeny classes)								**676**
A1	0	0	0	−676	−6591	0	2	+ 4, 7	0, 1	3, 2	IV,I_1^*	**2** : 2
A2	0	0	0	169	−21970	0	2	− 8, 8	0, 2	3, 4	IV*,I_2^*	**2** : 1
B1	0	1	0	−4	−12	0	1	− 8, 2	0, 0	1, 1	IV*,II	**3** : 2
B2	0	1	0	−524	−4796	0	1	− 8, 2	0, 0	3, 1	IV*,II	**3** : 1
C1	0	1	0	−732	−23516	0	3	− 8, 8	0, 0	3, 3	IV*,IV*	**3** : 2
C2	0	1	0	−88612	−10182444	0	1	− 8, 8	0, 0	1, 3	IV*,IV*	**3** : 1
D1	0	0	0	−169	845	0	1	+ 4, 4	0, 0	1, 1	IV,IV	
E1	0	0	0	−28561	1856465	0	1	+ 4, 10	0, 0	3, 1	IV,II*	
677				$N = 677 = 677$ (1 isogeny class)								**677**
A1	1	1	1	2	0	1	1	− 1	1	1	I_1	
678				$N = 678 = 2 \cdot 3 \cdot 113$ (6 isogeny classes)								**678**
A1	1	1	0	−12	12	1	1	− 2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	
B1	1	0	1	6	−20	1	1	− 6, 3, 1	6, 3, 1	2, 3, 1	I_6,I_3,I_1	
C1	1	1	1	−148	−427	1	2	+ 14, 4, 1	14, 4, 1	14, 2, 1	I_{14},I_4,I_1	**2** : 2
C2	1	1	1	492	−2475	1	2	− 7, 8, 2	7, 8, 2	7, 2, 2	I_7,I_8,I_2	**2** : 1
D1	1	0	0	−1661	26097	0	7	− 14, 7, 1	14, 7, 1	14, 7, 1	I_{14},I_7,I_1	**7** : 2
D2	1	0	0	−7121	−2567403	0	1	− 2, 1, 7	2, 1, 7	2, 1, 7	I_2,I_1,I_7	**7** : 1
E1	1	0	0	−192	1008	0	4	+ 4, 4, 1	4, 4, 1	4, 4, 1	I_4,I_4,I_1	**2** : 2
E2	1	0	0	−212	780	0	4	+ 2, 8, 2	2, 8, 2	2, 8, 2	I_2,I_8,I_2	**2** : 1, 3, 4
E3	1	0	0	−1342	−18430	0	2	+ 1, 16, 1	1, 16, 1	1, 16, 1	I_1,I_{16},I_1	**2** : 2
E4	1	0	0	598	5478	0	2	− 1, 4, 4	1, 4, 4	1, 4, 4	I_1,I_4,I_4	**2** : 2
F1	1	0	0	−190	−1024	0	2	+ 2, 4, 1	2, 4, 1	2, 4, 1	I_2,I_4,I_1	**2** : 2
F2	1	0	0	−180	−1134	0	2	− 1, 8, 2	1, 8, 2	1, 8, 2	I_1,I_8,I_2	**2** : 1
680				$N = 680 = 2^3 \cdot 5 \cdot 17$ (3 isogeny classes)								**680**
A1	0	0	0	−143	658	1	4	+ 8, 2, 1	0, 2, 1	4, 2, 1	I_1^*,I_2,I_1	**2** : 2
A2	0	0	0	−163	462	1	4	+ 10, 4, 2	0, 4, 2	2, 2, 2	III*,I_4,I_2	**2** : 1, 3, 4
A3	0	0	0	−1163	−14938	1	2	+ 11, 2, 4	0, 2, 4	1, 2, 4	II*,I_2,I_4	**2** : 2
A4	0	0	0	517	3318	1	2	− 11, 8, 1	0, 8, 1	1, 2, 1	II*,I_8,I_1	**2** : 2
B1	0	−1	0	0	−20	0	1	− 11, 1, 1	0, 1, 1	1, 1, 1	II*,I_1,I_1	
C1	0	−1	0	−3540	−79900	0	2	+ 8, 4, 1	0, 4, 1	4, 4, 1	I_1^*,I_4,I_1	**2** : 2
C2	0	−1	0	−3520	−80868	0	2	− 10, 8, 2	0, 8, 2	2, 8, 2	III*,I_8,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
681					$N = 681 = 3 \cdot 227$ (5 isogeny classes)								**681**
A1	0	−1	1	−13	24	1	1	−	4, 1	4, 1	2, 1	I_4,I_1	
B1	1	1	0	−1154	−15345	0	4	+	10, 2	10, 2	2, 2	I_{10},I_2	**2** : 2, 3, 4
B2	1	1	0	−1149	−15480	0	2	+	5, 1	5, 1	1, 1	I_5,I_1	**2** : 1
B3	1	1	0	−2369	20862	0	4	+	5, 4	5, 4	1, 4	I_5,I_4	**2** : 1
B4	1	1	0	−19	−42812	0	2	−	20, 1	20, 1	2, 1	I_{20},I_1	**2** : 1
C1	0	−1	1	0	2	2	1	−	2, 1	2, 1	2, 1	I_2,I_1	
D1	0	1	1	−431	−3592	0	1	−	4, 1	4, 1	4, 1	I_4,I_1	
E1	0	1	1	−179	881	1	1	−	10, 1	10, 1	10, 1	I_{10},I_1	
682					$N = 682 = 2 \cdot 11 \cdot 31$ (2 isogeny classes)								**682**
A1	1	0	0	−33	73	1	3	−	9, 1, 1	9, 1, 1	9, 1, 1	I_9,I_1,I_1	**3** : 2
A2	1	0	0	167	225	1	3	−	3, 3, 3	3, 3, 3	3, 1, 3	I_3,I_3,I_3	**3** : 1, 3
A3	1	0	0	−2003	−39269	1	1	−	1, 9, 1	1, 9, 1	1, 1, 1	I_1,I_9,I_1	**3** : 2
B1	1	−1	1	359	−6663	1	1	−	19, 3, 1	19, 3, 1	19, 3, 1	I_{19},I_3,I_1	
684					$N = 684 = 2^2 \cdot 3^2 \cdot 19$ (3 isogeny classes)								**684**
A1	0	0	0	−192	1028	1	1	−	8, 6, 1	0, 0, 1	3, 2, 1	IV*,I_0^*,I_1	
B1	0	0	0	24	−511	1	2	−	4, 9, 2	0, 3, 2	3, 4, 2	IV,I_3^*,I_2	**2** : 2
B2	0	0	0	−831	−8890	1	2	+	8, 12, 1	0, 6, 1	3, 4, 1	IV*,I_6^*,I_1	**2** : 1
C1	0	0	0	24	−268	0	1	−	8, 8, 1	0, 2, 1	1, 2, 1	IV*,I_2^*,I_1	
685					$N = 685 = 5 \cdot 137$ (1 isogeny class)								**685**
A1	1	−1	0	−5	6	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	
688					$N = 688 = 2^4 \cdot 43$ (3 isogeny classes)								**688**
A1	0	0	0	4	−4	1	1	−	8, 1	0, 1	1, 1	I_0^*,I_1	
B1	0	−1	0	−13	−15	0	1	−	8, 1	0, 1	2, 1	I_0^*,I_1	**3** : 2
B2	0	−1	0	67	−79	0	1	−	8, 3	0, 3	2, 1	I_0^*,I_3	**3** : 1
C1	0	−1	0	−5	−19	1	1	−	12, 1	0, 1	1, 1	II*,I_1	
689					$N = 689 = 13 \cdot 53$ (1 isogeny class)								**689**
A1	1	0	0	−14	19	1	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
A2	1	0	0	−9	34	1	2	−	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1
690					$N = 690 = 2 \cdot 3 \cdot 5 \cdot 23$ (11 isogeny classes)								**690**
A1	1	1	0	172	−1968	1	2	−	14, 2, 4, 1	14, 2, 4, 1	2, 2, 2, 1	I_{14},I_2,I_4,I_1	**2** : 2
A2	1	1	0	−1748	−25392	1	2	+	7, 1, 8, 2	7, 1, 8, 2	1, 1, 2, 2	I_7,I_1,I_8,I_2	**2** : 1
B1	1	1	0	167	−347	0	2	−	6, 7, 1, 2	6, 7, 1, 2	2, 1, 1, 2	I_6,I_7,I_1,I_2	**2** : 2
B2	1	1	0	−753	−3843	0	2	+	3, 14, 2, 1	3, 14, 2, 1	1, 2, 2, 1	I_3,I_{14},I_2,I_1	**2** : 1
C1	1	1	0	−22777	−90852059	0	2	−	10, 18, 8, 1	10, 18, 8, 1	2, 2, 8, 1	I_{10},I_{18},I_8,I_1	**2** : 2
C2	1	1	0	−3172057	−2148591611	0	2	+	5, 9, 16, 2	5, 9, 16, 2	1, 1, 16, 2	I_5,I_9,I_{16},I_2	**2** : 1
D1	1	1	0	−12	−36	0	2	−	2, 3, 1, 2	2, 3, 1, 2	2, 1, 1, 2	I_2,I_3,I_1,I_2	**2** : 2
D2	1	1	0	−242	−1554	0	2	+	1, 6, 2, 1	1, 6, 2, 1	1, 2, 2, 1	I_1,I_6,I_2,I_1	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
690					$N = 690 = 2 \cdot 3 \cdot 5 \cdot 23$ (continued)								**690**
E1	1	0	1	−604	−5734	1	2	+	12, 5, 1, 1	12, 5, 1, 1	2, 5, 1, 1	I_{12},I_5,I_1,I_1	**2** : 2
E2	1	0	1	−924	922	1	4	+	6, 10, 2, 2	6, 10, 2, 2	2, 10, 2, 2	I_6,I_{10},I_2,I_2	**2** : 1, 3, 4
E3	1	0	1	−10644	420826	1	2	+	3, 5, 4, 4	3, 5, 4, 4	1, 5, 2, 4	I_3,I_5,I_4,I_4	**2** : 2
E4	1	0	1	3676	8282	1	2	−	3, 20, 1, 1	3, 20, 1, 1	1, 20, 1, 1	I_3,I_{20},I_1,I_1	**2** : 2
F1	1	0	1	−13	8	0	2	+	8, 1, 1, 1	8, 1, 1, 1	2, 1, 1, 1	I_8,I_1,I_1,I_1	**2** : 2
F2	1	0	1	−93	−344	0	4	+	4, 2, 2, 2	4, 2, 2, 2	2, 2, 2, 2	I_4,I_2,I_2,I_2	**2** : 1, 3, 4
F3	1	0	1	−1473	−21872	0	2	+	2, 1, 4, 1	2, 1, 4, 1	2, 1, 4, 1	I_2,I_1,I_4,I_1	**2** : 2
F4	1	0	1	7	−1024	0	4	−	2, 4, 1, 4	2, 4, 1, 4	2, 4, 1, 4	I_2,I_4,I_1,I_4	**2** : 2
G1	1	1	1	−4491	−207687	0	4	−	28, 4, 2, 1	28, 4, 2, 1	28, 2, 2, 1	I_{28},I_4,I_2,I_1	**2** : 2
G2	1	1	1	−86411	−9808711	0	4	+	14, 8, 4, 2	14, 8, 4, 2	14, 2, 2, 2	I_{14},I_8,I_4,I_2	**2** : 1, 3, 4
G3	1	1	1	−1382411	−626186311	0	2	+	7, 4, 2, 4	7, 4, 2, 4	7, 2, 2, 2	I_7,I_4,I_2,I_4	**2** : 2
G4	1	1	1	−101131	−6258247	0	2	+	7, 16, 8, 1	7, 16, 8, 1	7, 2, 2, 1	I_7,I_{16},I_8,I_1	**2** : 2
H1	1	1	1	4	29	1	2	−	6, 2, 2, 1	6, 2, 2, 1	6, 2, 2, 1	I_6,I_2,I_2,I_1	**2** : 2
H2	1	1	1	−116	413	1	2	+	3, 1, 4, 2	3, 1, 4, 2	3, 1, 2, 2	I_3,I_1,I_4,I_2	**2** : 1
I1	1	0	0	134	−604	0	2	−	6, 1, 5, 2	6, 1, 5, 2	6, 1, 1, 2	I_6,I_1,I_5,I_2	**2** : 2
I2	1	0	0	−786	−5940	0	2	+	3, 2, 10, 1	3, 2, 10, 1	3, 2, 2, 1	I_3,I_2,I_{10},I_1	**2** : 1
J1	1	0	0	−245	−1503	0	2	−	10, 1, 1, 2	10, 1, 1, 2	10, 1, 1, 2	I_{10},I_1,I_1,I_2	**2** : 2
J2	1	0	0	−3925	−94975	0	2	+	5, 2, 2, 1	5, 2, 2, 1	5, 2, 2, 1	I_5,I_2,I_2,I_1	**2** : 1
K1	1	0	0	−420	3600	0	8	−	8, 8, 2, 1	8, 8, 2, 1	8, 8, 2, 1	I_8,I_8,I_2,I_1	**2** : 2
K2	1	0	0	−6900	220032	0	8	+	4, 4, 4, 2	4, 4, 4, 2	4, 4, 4, 2	I_4,I_4,I_4,I_2	**2** : 1, 3, 4
K3	1	0	0	−7080	207900	0	4	+	2, 2, 8, 4	2, 2, 8, 4	2, 2, 8, 2	I_2,I_2,I_8,I_4	**2** : 2, 5, 6
K4	1	0	0	−110400	14109732	0	4	+	2, 2, 2, 1	2, 2, 2, 1	2, 2, 2, 1	I_2,I_2,I_2,I_1	**2** : 2
K5	1	0	0	−25830	−1370850	0	2	+	1, 1, 4, 8	1, 1, 4, 8	1, 1, 4, 2	I_1,I_1,I_4,I_8	**2** : 3
K6	1	0	0	8790	1010922	0	2	−	1, 1, 16, 2	1, 1, 16, 2	1, 1, 16, 2	I_1,I_1,I_{16},I_2	**2** : 3
692					$N = 692 = 2^2 \cdot 173$ (1 isogeny class)								**692**
A1	0	1	0	−52	180	0	2	−	8, 2	0, 2	1, 2	IV*,I_2	**2** : 2
A2	0	1	0	−57	148	0	2	+	4, 1	0, 1	1, 1	IV,I_1	**2** : 1
693					$N = 693 = 3^2 \cdot 7 \cdot 11$ (4 isogeny classes)								**693**
A1	1	−1	1	31	−264	0	2	−	6, 3, 2	0, 3, 2	2, 1, 2	I_0^*,I_3,I_2	**2** : 2
A2	1	−1	1	−464	−3432	0	2	+	6, 6, 1	0, 6, 1	2, 2, 1	I_0^*,I_6,I_1	**2** : 1
B1	0	0	1	18	−7	1	1	−	6, 2, 1	0, 2, 1	1, 2, 1	I_0^*,I_2,I_1	
C1	0	0	1	−804	−8775	0	1	−	6, 2, 1	0, 2, 1	1, 2, 1	I_0^*,I_2,I_1	**3** : 2
C2	0	0	1	−444	−16650	0	3	−	6, 6, 3	0, 6, 3	1, 6, 3	I_0^*,I_6,I_3	**3** : 1, 3
C3	0	0	1	3966	430965	0	3	−	6, 2, 9	0, 2, 9	1, 2, 9	I_0^*,I_2,I_9	**3** : 2
D1	1	−1	0	−306	−1985	0	2	+	7, 2, 1	1, 2, 1	4, 2, 1	I_1^*,I_2,I_1	**2** : 2
D2	1	−1	0	−351	−1328	0	4	+	8, 4, 2	2, 4, 2	4, 4, 2	I_2^*,I_4,I_2	**2** : 1, 3, 4
D3	1	−1	0	−2556	49387	0	4	+	10, 2, 4	4, 2, 4	4, 2, 4	I_4^*,I_2,I_4	**2** : 2, 5, 6
D4	1	−1	0	1134	−10535	0	2	−	7, 8, 1	1, 8, 1	2, 8, 1	I_1^*,I_8,I_1	**2** : 2
D5	1	−1	0	−40671	3167194	0	2	+	14, 1, 2	8, 1, 2	4, 1, 2	I_8^*,I_1,I_2	**2** : 3
D6	1	−1	0	279	150880	0	2	−	8, 1, 8	2, 1, 8	2, 1, 8	I_2^*,I_1,I_8	**2** : 3
696					$N = 696 = 2^3 \cdot 3 \cdot 29$ (7 isogeny classes)								**696**
A1	0	−1	0	−88	349	1	1	−	4, 3, 1	0, 3, 1	2, 1, 1	III,I_3,I_1	
B1	0	1	0	8	−16	0	1	−	11, 1, 1	0, 1, 1	1, 1, 1	II*,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
696					$N = 696 = 2^3 \cdot 3 \cdot 29$ (continued)								**696**
C1	0	1	0	12	9	1	1	−	4, 5, 1	0, 5, 1	2, 5, 1	III,I_5,I_1	
D1	0	−1	0	−5920	177388	0	1	−	11, 5, 3	0, 5, 3	1, 1, 1	II*,I_5,I_3	
E1	0	−1	0	−36	−87	0	1	−	4, 1, 3	0, 1, 3	2, 1, 1	III,I_1,I_3	
F1	0	−1	0	56	−1415	1	1	−	4, 7, 3	0, 7, 3	2, 1, 3	III,I_7,I_3	
G1	0	1	0	−4	5	1	1	−	4, 3, 1	0, 3, 1	2, 3, 1	III,I_3,I_1	
699					$N = 699 = 3 \cdot 233$ (1 isogeny class)								**699**
A1	0	1	1	−10	−17	0	1	−	3, 1	3, 1	3, 1	I_3,I_1	
700					$N = 700 = 2^2 \cdot 5^2 \cdot 7$ (10 isogeny classes)								**700**
A1	0	−1	0	−133	−2863	0	1	−	8, 9, 1	0, 3, 1	1, 2, 1	IV*,I_3^*,I_1	**3** : 2
A2	0	−1	0	−20133	−1092863	0	1	−	8, 7, 3	0, 1, 3	3, 2, 1	IV*,I_1^*,I_3	**3** : 1
B1	0	−1	0	2	−3	0	1	−	4, 2, 1	0, 0, 1	1, 1, 1	IV,II,I_1	**3** : 2
B2	0	−1	0	−98	−343	0	1	−	4, 2, 3	0, 0, 3	3, 1, 1	IV,II,I_3	**3** : 1
C1	0	0	0	−5	5	1	1	−	4, 2, 1	0, 0, 1	3, 1, 1	IV,II,I_1	
D1	0	0	0	800	26500	1	1	−	8, 7, 5	0, 1, 5	3, 4, 5	IV*,I_1^*,I_5	
E1	0	0	0	−2000	−34375	1	2	+	4, 9, 2	0, 0, 2	3, 2, 2	IV,III*,I_2	**2** : 2
E2	0	0	0	−1375	−56250	1	2	−	8, 9, 4	0, 0, 4	3, 2, 2	IV*,III*,I_4	**2** : 1
F1	0	0	0	−125	625	1	1	−	4, 8, 1	0, 0, 1	1, 3, 1	IV,IV*,I_1	
G1	0	0	0	−40	100	1	1	−	8, 3, 1	0, 0, 1	3, 2, 1	IV*,III,I_1	
H1	0	0	0	−80	−275	0	2	+	4, 3, 2	0, 0, 2	1, 2, 2	IV,III,I_2	**2** : 2
H2	0	0	0	−55	−450	0	2	−	8, 3, 4	0, 0, 4	1, 2, 4	IV*,III,I_4	**2** : 1
I1	0	1	0	42	−287	0	3	−	4, 8, 1	0, 0, 1	3, 3, 1	IV,IV*,I_1	**3** : 2
I2	0	1	0	−2458	−47787	0	1	−	4, 8, 3	0, 0, 3	1, 1, 3	IV,IV*,I_3	**3** : 1
J1	0	0	0	−1000	12500	0	1	−	8, 9, 1	0, 0, 1	1, 2, 1	IV*,III*,I_1	
701					$N = 701 = 701$ (1 isogeny class)								**701**
A1	0	−1	1	−2	1	0	1	+	1	1	1	I_1	
702					$N = 702 = 2 \cdot 3^3 \cdot 13$ (16 isogeny classes)								**702**
A1	1	−1	0	−9	−19	1	1	−	5, 3, 2	5, 0, 2	1, 1, 2	I_5,II,I_2	
B1	1	−1	0	−3	−1	1	1	+	1, 3, 1	1, 0, 1	1, 1, 1	I_1,II,I_1	
C1	1	−1	0	39	35	0	1	−	1, 11, 1	1, 0, 1	1, 1, 1	I_1,II*,I_1	
D1	1	−1	0	−366	−2476	0	1	+	7, 11, 1	7, 0, 1	1, 1, 1	I_7,II*,I_1	
E1	1	−1	0	−5826	173076	0	3	−	9, 3, 6	9, 0, 6	1, 1, 6	I_9,II,I_6	**3** : 2, 3
E2	1	−1	0	11919	881693	0	1	−	27, 9, 2	27, 0, 2	1, 1, 2	I_{27},IV*,I_2	**3** : 1
E3	1	−1	0	−472266	125037036	0	3	−	3, 5, 2	3, 0, 2	1, 3, 2	I_3,IV,I_2	**3** : 1
F1	1	−1	0	−648	9536	0	1	−	11, 3, 5	11, 0, 5	1, 1, 1	I_{11},II,I_5	
G1	1	−1	0	−165	533	0	1	+	19, 3, 1	19, 0, 1	1, 1, 1	I_{19},II,I_1	
H1	1	−1	0	−132	618	1	3	+	1, 3, 1	1, 0, 1	1, 1, 1	I_1,II,I_1	**3** : 2
H2	1	−1	0	−177	197	1	3	+	3, 9, 3	3, 0, 3	1, 3, 3	I_3,IV*,I_3	**3** : 1, 3
H3	1	−1	0	−8952	−323776	1	1	+	9, 11, 1	9, 0, 1	1, 1, 1	I_9,II*,I_1	**3** : 2
I1	1	−1	1	−29	55	0	1	+	1, 9, 1	1, 0, 1	1, 1, 1	I_1,IV*,I_1	
J1	1	−1	1	−5834	−251639	0	1	−	11, 9, 5	11, 0, 5	11, 1, 1	I_{11},IV*,I_5	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
702				$N = 702 = 2 \cdot 3^3 \cdot 13$ (continued)								**702**
K1	1	−1	1	−41	105	1	1	+ 7, 5, 1	7, 0, 1	7, 3, 1	I_7,IV,I_1	
L1	1	−1	1	−83	595	1	1	− 5, 9, 2	5, 0, 2	5, 3, 2	I_5,IV*,I_2	
M1	1	−1	1	−1487	−12905	1	1	+ 19, 9, 1	19, 0, 1	19, 3, 1	I_{19},IV*,I_1	
N1	1	−1	1	−20	−1	0	3	+ 3, 3, 3	3, 0, 3	3, 1, 3	I_3,II,I_3	**3** : 2, 3
N2	1	−1	1	−1190	−15497	0	1	+ 1, 9, 1	1, 0, 1	1, 3, 1	I_1,IV*,I_1	**3** : 1
N3	1	−1	1	−995	12323	0	3	+ 9, 5, 1	9, 0, 1	9, 1, 1	I_9,IV,I_1	**3** : 1
O1	1	−1	1	4	−3	0	1	− 1, 5, 1	1, 0, 1	1, 1, 1	I_1,IV,I_1	
P1	1	−1	1	1324	−33097	0	3	− 27, 3, 2	27, 0, 2	27, 1, 2	I_{27},II,I_2	**3** : 2
P2	1	−1	1	−52436	−4620617	0	3	− 9, 9, 6	9, 0, 6	9, 3, 6	I_9,IV*,I_6	**3** : 1, 3
P3	1	−1	1	−4250396	−3371749577	0	1	− 3, 11, 2	3, 0, 2	3, 1, 2	I_3,II*,I_2	**3** : 2
703				$N = 703 = 19 \cdot 37$ (2 isogeny classes)								**703**
A1	0	0	1	−736	1057	0	1	+ 2, 5	2, 5	2, 1	I_2,I_5	
B1	0	0	1	1	−8	1	1	− 1, 2	1, 2	1, 2	I_1,I_2	
704				$N = 704 = 2^6 \cdot 11$ (12 isogeny classes)								**704**
A1	0	1	0	−1	1	1	1	− 6, 1	0, 1	1, 1	II,I_1	**5** : 2
A2	0	1	0	−41	−199	1	1	− 6, 5	0, 5	1, 1	II,I_5	**5** : 1, 3
A3	0	1	0	−31281	−2139919	1	1	− 6, 1	0, 1	1, 1	II,I_1	**5** : 2
B1	0	−1	0	1	1	1	1	− 6, 1	0, 1	1, 1	II,I_1	
C1	0	1	0	1	−1	0	1	− 6, 1	0, 1	1, 1	II,I_1	
D1	0	−1	0	11	−19	0	1	− 14, 1	0, 1	1, 1	II*,I_1	**3** : 2
D2	0	−1	0	−309	−2003	0	1	− 14, 3	0, 3	1, 3	II*,I_3	**3** : 1
E1	0	0	0	−16	32	0	1	− 14, 1	0, 1	1, 1	II*,I_1	
F1	0	1	0	11	19	0	1	− 14, 1	0, 1	1, 1	II*,I_1	**3** : 2
F2	0	1	0	−309	2003	0	1	− 14, 3	0, 3	1, 1	II*,I_3	**3** : 1
G1	0	−1	0	−11	−11	0	1	− 6, 1	0, 1	1, 1	II,I_1	
H1	0	0	0	2	14	0	1	− 6, 3	0, 3	1, 1	II,I_3	
I1	0	0	0	−16	−32	0	1	− 14, 1	0, 1	1, 1	II*,I_1	
J1	0	1	0	−11	11	1	1	− 6, 1	0, 1	1, 1	II,I_1	
K1	0	−1	0	−1	−1	1	1	− 6, 1	0, 1	1, 1	II,I_1	**5** : 2
K2	0	−1	0	−41	199	1	1	− 6, 5	0, 5	1, 5	II,I_5	**5** : 1, 3
K3	0	−1	0	−31281	2139919	1	1	− 6, 1	0, 1	1, 1	II,I_1	**5** : 2
L1	0	0	0	2	−14	1	1	− 6, 3	0, 3	1, 3	II,I_3	
705				$N = 705 = 3 \cdot 5 \cdot 47$ (6 isogeny classes)								**705**
A1	0	−1	1	−5781	175862	1	1	− 14, 5, 1	14, 5, 1	2, 1, 1	I_{14},I_5,I_1	
B1	1	1	1	−120	42282	1	1	− 3, 3, 5	3, 3, 5	1, 3, 5	I_3,I_3,I_5	
C1	0	1	1	9	20	0	3	− 6, 1, 1	6, 1, 1	6, 1, 1	I_6,I_1,I_1	**3** : 2
C2	0	1	1	−81	−619	0	1	− 2, 3, 3	2, 3, 3	2, 1, 1	I_2,I_3,I_3	**3** : 1
D1	1	0	1	6	1	1	1	− 1, 3, 1	1, 3, 1	1, 1, 1	I_1,I_3,I_1	
E1	1	0	0	−36	81	1	1	− 5, 1, 1	5, 1, 1	5, 1, 1	I_5,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
705							$N = 705 = 3 \cdot 5 \cdot 47$ (continued)						**705**
F1	1	0	1	−368	2681	0	2	+	1, 3, 1	1, 3, 1	1, 3, 1	I_1,I_3,I_1	**2** : 2
F2	1	0	1	−373	2603	0	4	+	2, 6, 2	2, 6, 2	2, 6, 2	I_2,I_6,I_2	**2** : 1, 3, 4
F3	1	0	1	−1078	−10369	0	2	+	1, 12, 1	1, 12, 1	1, 12, 1	I_1,I_{12},I_1	**2** : 2
F4	1	0	1	252	10603	0	4	−	4, 3, 4	4, 3, 4	4, 3, 4	I_4,I_3,I_4	**2** : 2
706							$N = 706 = 2 \cdot 353$ (4 isogeny classes)						**706**
A1	1	1	0	1	−1	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	
B1	1	−1	1	−118	2693	1	1	−	23, 1	23, 1	23, 1	I_{23},I_1	
C1	1	−1	1	−7	−5	1	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
C2	1	−1	1	3	−25	1	2	−	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
D1	1	0	0	−18	4	1	2	+	10, 1	10, 1	10, 1	I_{10},I_1	**2** : 2
D2	1	0	0	−178	−924	1	2	+	5, 2	5, 2	5, 2	I_5,I_2	**2** : 1
707							$N = 707 = 7 \cdot 101$ (1 isogeny class)						**707**
A1	0	1	1	−12	12	2	1	+	2, 1	2, 1	2, 1	I_2,I_1	
708							$N = 708 = 2^2 \cdot 3 \cdot 59$ (1 isogeny class)						**708**
A1	0	−1	0	11	34	0	2	−	4, 6, 1	0, 6, 1	1, 2, 1	IV,I_6,I_1	**2** : 2
A2	0	−1	0	−124	520	0	2	+	8, 3, 2	0, 3, 2	1, 1, 2	IV*,I_3,I_2	**2** : 1
709							$N = 709 = 709$ (1 isogeny class)						**709**
A1	0	−1	1	−2	0	2	1	+	1	1	1	I_1	
710							$N = 710 = 2 \cdot 5 \cdot 71$ (4 isogeny classes)						**710**
A1	1	1	0	−27	−59	1	1	+	3, 4, 1	3, 4, 1	1, 4, 1	I_3,I_4,I_1	
B1	1	1	1	−416	3009	1	1	+	17, 2, 1	17, 2, 1	17, 2, 1	I_{17},I_2,I_1	
C1	1	1	1	−70	195	1	1	+	7, 2, 1	7, 2, 1	7, 2, 1	I_7,I_2,I_1	
D1	1	1	1	−1105	11727	0	5	+	5, 10, 1	5, 10, 1	5, 10, 1	I_5,I_{10},I_1	**5** : 2
D2	1	1	1	−181355	−29801973	0	1	+	1, 2, 5	1, 2, 5	1, 2, 5	I_1,I_2,I_5	**5** : 1
711							$N = 711 = 3^2 \cdot 79$ (3 isogeny classes)						**711**
A1	1	−1	0	3	−2	1	1	−	3, 1	0, 1	2, 1	III,I_1	
B1	1	−1	1	25	28	1	1	−	9, 1	0, 1	2, 1	III*,I_1	
C1	1	−1	0	−18	−23	0	1	+	6, 1	0, 1	1, 1	I_0^*,I_1	
712							$N = 712 = 2^3 \cdot 89$ (1 isogeny class)						**712**
A1	0	1	0	−32	−80	0	2	+	10, 1	0, 1	2, 1	III*,I_1	**2** : 2
A2	0	1	0	−72	112	0	2	+	11, 2	0, 2	1, 2	II*,I_2	**2** : 1
713							$N = 713 = 23 \cdot 31$ (1 isogeny class)						**713**
A1	1	0	1	−1	1	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	
714							$N = 714 = 2 \cdot 3 \cdot 7 \cdot 17$ (9 isogeny classes)						**714**
A1	1	1	0	−3334	81940	1	2	−	14, 8, 3, 1	14, 8, 3, 1	2, 2, 1, 1	I_{14},I_8,I_3,I_1	**2** : 2
A2	1	1	0	−55174	4965268	1	2	+	7, 4, 6, 2	7, 4, 6, 2	1, 2, 2, 2	I_7,I_4,I_6,I_2	**2** : 1
B1	1	1	0	−37	−107	0	1	−	3, 5, 1, 1	3, 5, 1, 1	1, 1, 1, 1	I_3,I_5,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
714					$N = 714 = 2 \cdot 3 \cdot 7 \cdot 17$ (continued)							**714**
C1	1	1	0	−14597	−686643	0	1	−17, 3, 5, 1	17, 3, 5, 1	1, 1, 5, 1	I_{17},I_3,I_5,I_1	
D1	1	1	0	−21	45	1	2	− 6, 4, 1, 1	6, 4, 1, 1	2, 2, 1, 1	I_6,I_4,I_1,I_1	**2** : 2
D2	1	1	0	−381	2709	1	2	+ 3, 2, 2, 2	3, 2, 2, 2	1, 2, 2, 2	I_3,I_2,I_2,I_2	**2** : 1
E1	1	1	1	−2204	−41731	0	1	− 7, 3, 1, 5	7, 3, 1, 5	7, 1, 1, 1	I_7,I_3,I_1,I_5	
F1	1	1	1	1	101	1	4	−12, 2, 1, 1	12, 2, 1, 1	12, 2, 1, 1	I_{12},I_2,I_1,I_1	**2** : 2
F2	1	1	1	−319	2021	1	4	+ 6, 4, 2, 2	6, 4, 2, 2	6, 2, 2, 2	I_6,I_4,I_2,I_2	**2** : 1, 3, 4
F3	1	1	1	−679	−3883	1	2	+ 3, 2, 4, 4	3, 2, 4, 4	3, 2, 2, 4	I_3,I_2,I_4,I_4	**2** : 2
F4	1	1	1	−5079	137205	1	2	+ 3, 8, 1, 1	3, 8, 1, 1	3, 2, 1, 1	I_3,I_8,I_1,I_1	**2** : 2
G1	1	1	1	−70244	7127525	0	8	+24, 4, 4, 1	24, 4, 4, 1	24, 2, 4, 1	I_{24},I_4,I_4,I_1	**2** : 2
G2	1	1	1	−90724	2605541	0	8	+12, 8, 8, 2	12, 8, 8, 2	12, 2, 8, 2	I_{12},I_8,I_8,I_2	**2** : 1, 3, 4
G3	1	1	1	−859044	−304722459	0	4	+6, 16, 4, 4	6, 16, 4, 4	6, 2, 4, 4	I_6,I_{16},I_4,I_4	**2** : 2, 5, 6
G4	1	1	1	349916	20936165	0	4	−6, 4, 16, 1	6, 4, 16, 1	6, 2, 16, 1	I_6,I_4,I_{16},I_1	**2** : 2
G5	1	1	1	−13718604	−19563199515	0	2	+ 3, 8, 2, 8	3, 8, 2, 8	3, 2, 2, 8	I_3,I_8,I_2,I_8	**2** : 3
G6	1	1	1	−292604	−699871003	0	2	− 3, 32, 2, 2	3, 32, 2, 2	3, 2, 2, 2	I_3,I_{32},I_2,I_2	**2** : 3
H1	1	1	1	1	−1	0	1	− 1, 1, 1, 1	1, 1, 1, 1	1, 1, 1, 1	I_1,I_1,I_1,I_1	
I1	1	0	0	108	11664	0	9	− 9, 9, 3, 1	9, 9, 3, 1	9, 9, 3, 1	I_9,I_9,I_3,I_1	**3** : 2
I2	1	0	0	−972	−315144	0	3	− 3, 3, 9, 3	3, 3, 9, 3	3, 3, 9, 1	I_3,I_3,I_9,I_3	**3** : 1, 3
I3	1	0	0	−381702	−90803346	0	1	− 1, 1, 3, 9	1, 1, 3, 9	1, 1, 3, 1	I_1,I_1,I_3,I_9	**3** : 2
715					$N = 715 = 5 \cdot 11 \cdot 13$ (2 isogeny classes)							**715**
A1	0	1	1	−5	6	1	3	− 3, 1, 1	3, 1, 1	3, 1, 1	I_3,I_1,I_1	**3** : 2
A2	0	1	1	45	−129	1	1	− 1, 3, 3	1, 3, 3	1, 1, 3	I_1,I_3,I_3	**3** : 1
B1	0	0	1	43	−2088	1	1	− 7, 1, 3	7, 1, 3	7, 1, 3	I_7,I_1,I_3	
718					$N = 718 = 2 \cdot 359$ (3 isogeny classes)							**718**
A1	1	−1	0	−17	−163	0	1	− 15, 1	15, 1	1, 1	I_{15},I_1	
B1	1	0	1	−5	0	2	1	+ 4, 1	4, 1	2, 1	I_4,I_1	
C1	1	−1	1	−514	4609	1	1	+ 12, 1	12, 1	12, 1	I_{12},I_1	
720					$N = 720 = 2^4 \cdot 3^2 \cdot 5$ (10 isogeny classes)							**720**
A1	0	0	0	−3	18	1	2	− 10, 3, 1	0, 0, 1	4, 2, 1	I_2^*,III,I_1	**2** : 2
A2	0	0	0	−123	522	1	2	+ 11, 3, 2	0, 0, 2	4, 2, 2	I_3^*,III,I_2	**2** : 1
B1	0	0	0	−27	−486	0	2	− 10, 9, 1	0, 0, 1	4, 2, 1	I_2^*,III*,I_1	**2** : 2
B2	0	0	0	−1107	−14094	0	2	+ 11, 9, 2	0, 0, 2	2, 2, 2	I_3^*,III*,I_2	**2** : 1
C1	0	0	0	−138	623	0	2	+ 4, 8, 1	0, 2, 1	1, 2, 1	II,I_2^*,I_1	**2** : 2
C2	0	0	0	−183	182	0	4	+ 8, 10, 2	0, 4, 2	2, 4, 2	I_0^*,I_4^*,I_2	**2** : 1, 3, 4
C3	0	0	0	−1803	−29302	0	4	+ 10, 8, 4	0, 2, 4	4, 4, 2	I_2^*,I_2^*,I_4	**2** : 2, 5, 6
C4	0	0	0	717	1442	0	2	− 10, 14, 1	0, 8, 1	2, 4, 1	I_2^*,I_8^*,I_1	**2** : 2
C5	0	0	0	−28803	−1881502	0	2	+ 11, 7, 2	0, 1, 2	2, 4, 2	I_3^*,I_1^*,I_2	**2** : 3
C6	0	0	0	−723	−64078	0	2	− 11, 7, 8	0, 1, 8	4, 2, 2	I_3^*,I_1^*,I_8	**2** : 3
D1	0	0	0	−18	27	0	2	+ 4, 6, 1	0, 0, 1	1, 2, 1	II,I_0^*,I_1	**2** : 2
D2	0	0	0	−63	−162	0	4	+ 8, 6, 2	0, 0, 2	2, 4, 2	I_0^*,I_0^*,I_2	**2** : 1, 3, 4
D3	0	0	0	−963	−11502	0	2	+ 10, 6, 1	0, 0, 1	4, 2, 1	I_2^*,I_0^*,I_1	**2** : 2
D4	0	0	0	117	−918	0	2	− 10, 6, 4	0, 0, 4	2, 2, 2	I_2^*,I_0^*,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

720 $N = 720 = 2^4 \cdot 3^2 \cdot 5$ (continued) 720

E1	0	0	0	33	−34	1	2	− 8, 7, 1	0, 1, 1	2, 2, 1	I_0^*,I_1^*,I_1	**2** : 2
E2	0	0	0	−147	−286	1	4	+ 10, 8, 2	0, 2, 2	4, 4, 2	I_2^*,I_2^*,I_2	**2** : 1, 3, 4
E3	0	0	0	−1947	−33046	1	2	+ 11, 10, 1	0, 4, 1	2, 4, 1	I_3^*,I_4^*,I_1	**2** : 2
E4	0	0	0	−1227	16346	1	4	+ 11, 7, 4	0, 1, 4	4, 4, 4	I_3^*,I_1^*,I_4	**2** : 2
F1	0	0	0	−123	−598	0	2	− 18, 3, 1	6, 0, 1	4, 2, 1	I_{10}^*,III,I_1	**2** : 2; **3** : 3
F2	0	0	0	−2043	−35542	0	2	+ 15, 3, 2	3, 0, 2	2, 2, 2	I_7^*,III,I_2	**2** : 1; **3** : 4
F3	0	0	0	837	2538	0	2	− 14, 9, 3	2, 0, 3	4, 2, 1	I_6^*,III*,I_3	**2** : 4; **3** : 1
F4	0	0	0	−3483	20682	0	2	+ 13, 9, 6	1, 0, 6	2, 2, 2	I_5^*,III*,I_6	**2** : 3; **3** : 2
G1	0	0	0	93	−94	1	2	− 14, 3, 3	2, 0, 3	4, 2, 3	I_6^*,III,I_3	**2** : 2; **3** : 3
G2	0	0	0	−387	−766	1	2	+ 13, 3, 6	1, 0, 6	4, 2, 6	I_5^*,III,I_6	**2** : 1; **3** : 4
G3	0	0	0	−1107	16146	1	2	− 18, 9, 1	6, 0, 1	4, 2, 1	I_{10}^*,III*,I_1	**2** : 4; **3** : 1
G4	0	0	0	−18387	959634	1	2	+ 15, 9, 2	3, 0, 2	4, 2, 2	I_7^*,III*,I_2	**2** : 3; **3** : 2
H1	0	0	0	−3	322	1	2	− 12, 7, 1	0, 1, 1	4, 4, 1	I_4^*,I_1^*,I_1	**2** : 2
H2	0	0	0	−723	7378	1	4	+ 12, 8, 2	0, 2, 2	4, 4, 2	I_4^*,I_2^*,I_2	**2** : 1, 3, 4
H3	0	0	0	−1443	−9758	1	4	+ 12, 10, 4	0, 4, 4	4, 4, 2	I_4^*,I_4^*,I_4	**2** : 2, 5, 6
H4	0	0	0	−11523	476098	1	2	+ 12, 7, 1	0, 1, 1	2, 2, 1	I_4^*,I_1^*,I_1	**2** : 2
H5	0	0	0	−19443	−1042958	1	4	+ 12, 14, 2	0, 8, 2	4, 4, 2	I_4^*,I_8^*,I_2	**2** : 3, 7, 8
H6	0	0	0	5037	−73262	1	2	− 12, 8, 8	0, 2, 8	2, 2, 2	I_4^*,I_2^*,I_8	**2** : 3
H7	0	0	0	−311043	−66769598	1	2	+ 12, 10, 1	0, 4, 1	4, 2, 1	I_4^*,I_4^*,I_1	**2** : 5
H8	0	0	0	−15843	−1441118	1	2	− 12, 22, 1	0, 16, 1	2, 4, 1	I_4^*,I_{16}^*,I_1	**2** : 5
I1	0	0	0	−12	11	0	2	+ 4, 6, 1	0, 0, 1	1, 2, 1	II,I_0^*,I_1	**2** : 2; **3** : 3
I2	0	0	0	33	74	0	2	− 8, 6, 2	0, 0, 2	1, 2, 2	I_0^*,I_0^*,I_2	**2** : 1; **3** : 4
I3	0	0	0	−372	−2761	0	2	+ 4, 6, 3	0, 0, 3	1, 2, 3	II,I_0^*,I_3	**2** : 4; **3** : 1
I4	0	0	0	−327	−3454	0	2	− 8, 6, 6	0, 0, 6	1, 2, 6	I_0^*,I_0^*,I_6	**2** : 3; **3** : 2
J1	0	0	0	213	3674	0	2	− 16, 9, 1	4, 3, 1	4, 2, 1	I_8^*,I_3^*,I_1	**2** : 2; **3** : 3
J2	0	0	0	−2667	48026	0	4	+ 14, 12, 2	2, 6, 2	4, 4, 2	I_6^*,I_6^*,I_2	**2** : 1, 4, 5; **3** : 6
J3	0	0	0	−1947	−108214	0	2	− 24, 7, 3	12, 1, 3	4, 2, 3	I_{16}^*,I_1^*,I_3	**2** : 6; **3** : 1
J4	0	0	0	−9867	−324934	0	2	+ 13, 18, 1	1, 12, 1	4, 4, 1	I_5^*,I_{12}^*,I_1	**2** : 2; **3** : 7
J5	0	0	0	−41547	3259514	0	4	+ 13, 9, 4	1, 3, 4	2, 4, 4	I_5^*,I_3^*,I_4	**2** : 2; **3** : 8
J6	0	0	0	−48027	−4043446	0	4	+ 18, 8, 6	6, 2, 6	4, 4, 6	I_{10}^*,I_2^*,I_6	**2** : 3, 7, 8; **3** : 2
J7	0	0	0	−768027	−259067446	0	2	+ 15, 10, 3	3, 4, 3	4, 4, 3	I_7^*,I_4^*,I_3	**2** : 6; **3** : 4
J8	0	0	0	−65307	−874294	0	4	+ 15, 7, 12	3, 1, 12	2, 4, 12	I_7^*,I_1^*,I_{12}	**2** : 6; **3** : 5

722 $N = 722 = 2 \cdot 19^2$ (6 isogeny classes) 722

A1	1	0	1	714	−16080	1	3	− 3, 8	3, 0	1, 3	I_3,IV*	**3** : 2
A2	1	0	1	−33581	−2375576	1	1	− 9, 8	9, 0	1, 3	I_9,IV*	**3** : 1
B1	1	−1	0	−1	−11	1	1	− 3, 3	3, 0	1, 2	I_3,III	
C1	1	0	1	−8	−8138	0	1	− 5, 7	5, 1	1, 2	I_5,I_1^*	**5** : 2
C2	1	0	1	−25278	1710222	0	1	− 1, 11	1, 5	1, 2	I_1,I_5^*	**5** : 1
D1	1	−1	1	−429	77485	0	1	− 3, 9	3, 0	3, 2	I_3,III*	
E1	1	1	1	−5603	−163815	1	1	− 3, 7	3, 1	3, 4	I_3,I_1^*	**3** : 2
E2	1	1	1	3422	−612177	1	1	− 9, 9	9, 3	9, 4	I_9,I_3^*	**3** : 1, 3
E3	1	1	1	−30873	16782247	1	1	− 27, 7	27, 1	27, 4	I_{27},I_1^*	**3** : 2
F1	1	1	1	2	3	1	1	− 3, 2	3, 0	3, 1	I_3,II	**3** : 2
F2	1	1	1	−93	307	1	1	− 9, 2	9, 0	9, 1	I_9,II	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

723 $N = 723 = 3 \cdot 241$ (2 isogeny classes) 723

A1	1	1	1	−4	−4	1	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1	1	1	11	−10	1	2	−	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
B1	0	1	1	−3	−4	1	1	−	1, 1	1, 1	1, 1	I_1,I_1	

725 $N = 725 = 5^2 \cdot 29$ (1 isogeny class) 725

A1	1	−1	0	−67	216	1	2	+	7, 1	1, 1	2, 1	I_1^*,I_1	**2** : 2
A2	1	−1	0	58	841	1	2	−	8, 2	2, 2	4, 2	I_2^*,I_2	**2** : 1

726 $N = 726 = 2 \cdot 3 \cdot 11^2$ (9 isogeny classes) 726

A1	1	1	0	−35	−51	1	2	+	6, 3, 3	6, 3, 0	2, 1, 2	I_6,I_3,III	**2** : 2
A2	1	1	0	−475	−4187	1	2	+	3, 6, 3	3, 6, 0	1, 2, 2	I_3,I_6,III	**2** : 1
B1	1	1	0	21657	−1855179	0	1	−	10, 4, 10	10, 4, 0	2, 2, 1	I_{10},I_4,II*	
C1	1	1	0	−244	−128	0	2	+	4, 1, 7	4, 1, 1	2, 1, 2	I_4,I_1,I_1^*	**2** : 2
C2	1	1	0	−2664	51660	0	4	+	2, 2, 8	2, 2, 2	2, 2, 4	I_2,I_2,I_2^*	**2** : 1, 3, 4
C3	1	1	0	−42594	3365850	0	2	+	1, 1, 7	1, 1, 1	1, 1, 4	I_1,I_1,I_1^*	**2** : 2
C4	1	1	0	−1454	100302	0	2	−	1, 4, 10	1, 4, 4	1, 2, 4	I_1,I_4,I_4^*	**2** : 2
D1	1	0	1	−14	20	1	1	−	2, 4, 2	2, 4, 0	2, 4, 1	I_2,I_4,II	
E1	1	0	1	−5448	−113258	1	2	+	10, 5, 7	10, 5, 1	2, 5, 4	I_{10},I_5,I_1^*	**2** : 2; **5** : 3
E2	1	0	1	13912	−732778	1	2	−	5, 10, 8	5, 10, 2	1, 10, 4	I_5,I_{10},I_2^*	**2** : 1; **5** : 4
E3	1	0	1	−1217868	517205302	1	2	+	2, 1, 11	2, 1, 5	2, 1, 4	I_2,I_1,I_5^*	**2** : 4; **5** : 1
E4	1	0	1	−1216658	518284622	1	2	−	1, 2, 16	1, 2, 10	1, 2, 4	I_1,I_2,I_{10}^*	**2** : 3; **5** : 2
F1	1	1	1	−4298	46487	0	2	+	6, 3, 9	6, 3, 0	6, 1, 2	I_6,I_3,III*	**2** : 2
F2	1	1	1	−57538	5285303	0	2	+	3, 6, 9	3, 6, 0	3, 2, 2	I_3,I_6,III*	**2** : 1
G1	1	1	1	179	1475	1	1	−	10, 4, 4	10, 4, 0	10, 2, 3	I_{10},I_4,IV	
H1	1	0	0	−668	−6324	0	2	+	2, 3, 7	2, 3, 1	2, 3, 2	I_2,I_3,I_1^*	**2** : 2; **3** : 3
H2	1	0	0	542	−26410	0	2	−	1, 6, 8	1, 6, 2	1, 6, 4	I_1,I_6,I_2^*	**2** : 1; **3** : 4
H3	1	0	0	−9743	367929	0	2	+	6, 1, 9	6, 1, 3	6, 1, 2	I_6,I_1,I_3^*	**2** : 4; **3** : 1
H4	1	0	0	−4903	734801	0	2	−	3, 2, 12	3, 2, 6	3, 2, 4	I_3,I_2,I_6^*	**2** : 3; **3** : 2
I1	1	0	0	−1636	−28588	0	1	−	2, 4, 8	2, 4, 0	2, 4, 1	I_2,I_4,IV*	

728 $N = 728 = 2^3 \cdot 7 \cdot 13$ (4 isogeny classes) 728

A1	0	−1	0	−8	−20	0	1	−	11, 1, 1	0, 1, 1	1, 1, 1	II*,I_1,I_1	
B1	0	−1	0	1071	8501	0	1	−	8, 1, 7	0, 1, 7	4, 1, 1	I_1^*,I_1,I_7	
C1	0	0	0	−68	−236	1	1	−	8, 1, 3	0, 1, 3	2, 1, 3	I_1^*,I_1,I_3	
D1	0	1	0	−1	51	1	1	−	8, 3, 1	0, 3, 1	2, 3, 1	I_1^*,I_3,I_1	

730 $N = 730 = 2 \cdot 5 \cdot 73$ (11 isogeny classes) 730

A1	1	−1	0	−865	−9219	0	2	+	16, 4, 1	16, 4, 1	2, 2, 1	I_{16},I_4,I_1	**2** : 2
A2	1	−1	0	415	−35075	0	2	−	8, 8, 2	8, 8, 2	2, 2, 2	I_8,I_8,I_2	**2** : 1
B1	1	0	1	96	−658	0	3	−	7, 1, 3	7, 1, 3	1, 1, 3	I_7,I_1,I_3	**3** : 2
B2	1	0	1	−3919	−94974	0	1	−	21, 3, 1	21, 3, 1	1, 1, 1	I_{21},I_3,I_1	**3** : 1
C1	1	−1	0	−2440	47006	0	1	+	1, 7, 1	1, 7, 1	1, 1, 1	I_1,I_7,I_1	
D1	1	1	0	−1897	29189	0	1	+	27, 1, 1	27, 1, 1	1, 1, 1	I_{27},I_1,I_1	
E1	1	1	0	−2	−4	0	1	−	3, 1, 1	3, 1, 1	1, 1, 1	I_3,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
730				$N = 730 = 2 \cdot 5 \cdot 73$ (continued)									**730**
F1	1	−1	0	−949	11493	1	2	+	4, 4, 1	4, 4, 1	2, 4, 1	I_4,I_4,I_1	**2** : 2
F2	1	−1	0	−929	11985	1	2	−	2, 8, 2	2, 8, 2	2, 8, 2	I_2,I_8,I_2	**2** : 1
G1	1	−1	0	−4	−2	1	1	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
H1	1	0	0	19	−5	0	1	−	1, 5, 1	1, 5, 1	1, 1, 1	I_1,I_5,I_1	
I1	1	1	1	−26	39	1	1	+	7, 1, 1	7, 1, 1	7, 1, 1	I_7,I_1,I_1	
J1	1	1	1	−405	−1925	1	1	+	9, 7, 1	9, 7, 1	9, 7, 1	I_9,I_7,I_1	
K1	1	0	0	−15	17	0	3	+	3, 3, 1	3, 3, 1	3, 3, 1	I_3,I_3,I_1	**3** : 2
K2	1	0	0	−365	−2713	0	1	+	1, 1, 3	1, 1, 3	1, 1, 3	I_1,I_1,I_3	**3** : 1
731				$N = 731 = 17 \cdot 43$ (1 isogeny class)									**731**
A1	1	0	1	−539	4765	1	1	−	3, 1	3, 1	1, 1	I_3,I_1	
732				$N = 732 = 2^2 \cdot 3 \cdot 61$ (3 isogeny classes)									**732**
A1	0	−1	0	−17	30	0	2	+	4, 4, 1	0, 4, 1	1, 2, 1	IV,I_4,I_1	**2** : 2
A2	0	−1	0	28	120	0	2	−	8, 2, 2	0, 2, 2	1, 2, 2	IV*,I_2,I_2	**2** : 1
B1	0	−1	0	−100	424	1	1	−	8, 4, 1	0, 4, 1	3, 2, 1	IV*,I_4,I_1	
C1	0	1	0	−29	36	1	2	+	4, 6, 1	0, 6, 1	3, 6, 1	IV,I_6,I_1	**2** : 2
C2	0	1	0	−164	−828	1	2	+	8, 3, 2	0, 3, 2	3, 3, 2	IV*,I_3,I_2	**2** : 1
733				$N = 733 = 733$ (1 isogeny class)									**733**
A1	1	1	0	−75	−284	0	1	+	1	1	1	I_1	
734				$N = 734 = 2 \cdot 367$ (1 isogeny class)									**734**
A1	1	1	1	−3	−31	0	2	−	10, 1	10, 1	10, 1	I_{10},I_1	**2** : 2
A2	1	1	1	−163	−863	0	2	+	5, 2	5, 2	5, 2	I_5,I_2	**2** : 1
735				$N = 735 = 3 \cdot 5 \cdot 7^2$ (6 isogeny classes)									**735**
A1	1	1	0	−123	−552	0	2	+	1, 1, 7	1, 1, 1	1, 1, 4	I_1,I_1,I_1^*	**2** : 2
A2	1	1	0	−368	1947	0	4	+	2, 2, 8	2, 2, 2	2, 2, 4	I_2,I_2,I_2^*	**2** : 1, 3, 4
A3	1	1	0	−5513	155268	0	2	+	1, 4, 7	1, 4, 1	1, 2, 2	I_1,I_4,I_1^*	**2** : 2
A4	1	1	0	857	13462	0	2	−	4, 1, 10	4, 1, 4	2, 1, 4	I_4,I_1,I_4^*	**2** : 2
B1	0	−1	1	−15206	−1184338	0	1	−	7, 4, 10	7, 4, 0	1, 2, 1	I_7,I_4,II*	
C1	0	−1	1	5	6	1	1	−	3, 2, 2	3, 2, 0	1, 2, 1	I_3,I_2,II	**3** : 2
C2	0	−1	1	−205	1203	1	1	−	1, 6, 2	1, 6, 0	1, 6, 1	I_1,I_6,II	**3** : 1
D1	0	1	1	229	−2614	0	3	−	3, 2, 8	3, 2, 0	3, 2, 3	I_3,I_2,IV*	**3** : 2
D2	0	1	1	−10061	−392605	0	1	−	1, 6, 8	1, 6, 0	1, 2, 3	I_1,I_6,IV*	**3** : 1
E1	1	0	0	−1	−64	1	2	−	1, 1, 6	1, 1, 0	1, 1, 2	I_1,I_1,I_0^*	**2** : 2
E2	1	0	0	−246	−1485	1	4	+	2, 2, 6	2, 2, 0	2, 2, 4	I_2,I_2,I_0^*	**2** : 1, 3, 4
E3	1	0	0	−3921	−94830	1	2	+	1, 1, 6	1, 1, 0	1, 1, 4	I_1,I_1,I_0^*	**2** : 2
E4	1	0	0	−491	1896	1	4	+	4, 4, 6	4, 4, 0	4, 2, 4	I_4,I_4,I_0^*	**2** : 2, 5, 6
E5	1	0	0	−6616	206471	1	4	+	8, 2, 6	8, 2, 0	8, 2, 4	I_8,I_2,I_0^*	**2** : 4, 7, 8
E6	1	0	0	1714	14685	1	2	−	2, 8, 6	2, 8, 0	2, 2, 2	I_2,I_8,I_0^*	**2** : 4
E7	1	0	0	−105841	13244636	1	2	+	4, 1, 6	4, 1, 0	4, 1, 2	I_4,I_1,I_0^*	**2** : 5
E8	1	0	0	−5391	285606	1	2	−	16, 1, 6	16, 1, 0	16, 1, 4	I_{16},I_1,I_0^*	**2** : 5
F1	0	1	1	−310	3364	1	1	−	7, 4, 4	7, 4, 0	7, 4, 3	I_7,I_4,IV	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
737				$N = 737 = 11 \cdot 67$ (1 isogeny class)									**737**
A1	0	−1	1	406	−686	1	1	−	4, 3	4, 3	4, 3	I_4,I_3	
738				$N = 738 = 2 \cdot 3^2 \cdot 41$ (10 isogeny classes)									**738**
A1	1	−1	0	66	116	1	1	−	5, 9, 1	5, 0, 1	1, 2, 1	I_5,III^*,I_1	
B1	1	−1	0	−1575	751869	0	1	−	25, 11, 1	25, 5, 1	1, 2, 1	I_{25},I_5^*,I_1	**5** : 2
B2	1	−1	0	−5215815	4586220189	0	1	−	5, 7, 5	5, 1, 5	1, 2, 1	I_5,I_1^*,I_5	**5** : 1
C1	1	−1	0	−81	−243	0	2	+	4, 8, 1	4, 2, 1	2, 2, 1	I_4,I_2^*,I_1	**2** : 2
C2	1	−1	0	−261	1377	0	4	+	2, 10, 2	2, 4, 2	2, 4, 2	I_2,I_4^*,I_2	**2** : 1, 3, 4
C3	1	−1	0	−3951	96579	0	2	+	1, 14, 1	1, 8, 1	1, 4, 1	I_1,I_8^*,I_1	**2** : 2
C4	1	−1	0	549	7695	0	2	−	1, 8, 4	1, 2, 4	1, 4, 2	I_1,I_2^*,I_4	**2** : 2
D1	1	−1	0	−2430	46732	1	1	−	3, 13, 1	3, 7, 1	1, 4, 1	I_3,I_7^*,I_1	
E1	1	−1	1	7	−7	1	1	−	5, 3, 1	5, 0, 1	5, 2, 1	I_5,III,I_1	
F1	1	−1	1	−374	2949	1	1	−	11, 7, 1	11, 1, 1	11, 4, 1	I_{11},I_1^*,I_1	
G1	1	−1	1	−599	−5457	0	2	+	6, 10, 1	6, 4, 1	6, 2, 1	I_6,I_4^*,I_1	**2** : 2
G2	1	−1	1	−239	−12225	0	2	−	3, 14, 2	3, 8, 2	3, 4, 2	I_3,I_8^*,I_2	**2** : 1
H1	1	−1	1	−4085069	3178971893	0	2	+	14, 18, 1	14, 12, 1	14, 2, 1	I_{14},I_{12}^*,I_1	**2** : 2
H2	1	−1	1	−4079309	3188379125	0	2	−	7, 30, 2	7, 24, 2	7, 4, 2	I_7,I_{24}^*,I_2	**2** : 1
I1	1	−1	1	−14	−7	0	2	+	2, 6, 1	2, 0, 1	2, 2, 1	I_2,I_0^*,I_1	**2** : 2
I2	1	−1	1	−104	425	0	2	+	1, 6, 2	1, 0, 2	1, 2, 2	I_1,I_0^*,I_2	**2** : 1
J1	1	−1	1	−14	−61	0	1	−	1, 9, 1	1, 3, 1	1, 2, 1	I_1,I_3^*,I_1	**3** : 2
J2	1	−1	1	121	1559	0	3	−	3, 7, 3	3, 1, 3	3, 2, 3	I_3,I_1^*,I_3	**3** : 1
739				$N = 739 = 739$ (1 isogeny class)									**739**
A1	0	0	1	1	1	0	1	−	1	1	1	I_1	
740				$N = 740 = 2^2 \cdot 5 \cdot 37$ (3 isogeny classes)									**740**
A1	0	0	0	−219448	39364772	0	1	+	8, 8, 5	0, 8, 5	3, 2, 1	IV^*,I_8,I_5	
B1	0	1	0	−181	−425	1	3	+	8, 2, 3	0, 2, 3	3, 2, 3	IV^*,I_2,I_3	**3** : 2
B2	0	1	0	−12021	−511321	1	1	+	8, 6, 1	0, 6, 1	1, 2, 1	IV^*,I_6,I_1	**3** : 1
C1	0	−1	0	−45	25	1	1	+	8, 4, 1	0, 4, 1	3, 4, 1	IV^*,I_4,I_1	
741				$N = 741 = 3 \cdot 13 \cdot 19$ (5 isogeny classes)									**741**
A1	1	1	0	−2	−3	0	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
B1	1	1	0	5571	−41634	0	1	−	7, 3, 5	7, 3, 5	1, 3, 1	I_7,I_3,I_5	
C1	1	0	1	−5227	−155497	0	1	−	11, 5, 1	11, 5, 1	11, 1, 1	I_{11},I_5,I_1	
D1	0	1	1	101470	57781877	0	1	−	10, 4, 7	10, 4, 7	10, 2, 1	I_{10},I_4,I_7	
E1	0	1	1	−5	23	1	1	−	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	
742				$N = 742 = 2 \cdot 7 \cdot 53$ (7 isogeny classes)									**742**
A1	1	−1	0	−5	7	1	1	−	1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	
B1	1	1	0	−63	245	0	2	−	4, 3, 2	4, 3, 2	2, 1, 2	I_4,I_3,I_2	**2** : 2
B2	1	1	0	−1123	14025	0	2	+	2, 6, 1	2, 6, 1	2, 2, 1	I_2,I_6,I_1	**2** : 1
C1	1	−1	0	727	11853	0	1	−	25, 2, 1	25, 2, 1	1, 2, 1	I_{25},I_2,I_1	
D1	1	−1	0	3668	−767536	0	1	−	8, 4, 5	8, 4, 5	2, 4, 1	I_8,I_4,I_5	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
742				$N = 742 = 2 \cdot 7 \cdot 53$ (continued)									**742**
E1	1	1	0	−29612	2027600	1	2	−	10, 5, 4	10, 5, 4	2, 5, 4	I_{10},I_5,I_4	**2** : 2
E2	1	1	0	−479052	127421360	1	2	+	5, 10, 2	5, 10, 2	1, 10, 2	I_5,I_{10},I_2	**2** : 1
F1	1	−1	1	−81	11797	0	1	−	2, 10, 1	2, 10, 1	2, 2, 1	I_2,I_{10},I_1	
G1	1	1	1	−14	75	1	1	−	10, 2, 1	10, 2, 1	10, 2, 1	I_{10},I_2,I_1	
744				$N = 744 = 2^3 \cdot 3 \cdot 31$ (7 isogeny classes)									**744**
A1	0	−1	0	4	−3	1	1	−	4, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	
B1	0	1	0	−279	−1890	0	2	+	4, 3, 1	0, 3, 1	2, 3, 1	III,I_3,I_1	**2** : 2
B2	0	1	0	−284	−1824	0	4	+	8, 6, 2	0, 6, 2	2, 6, 2	I_1^*,I_6,I_2	**2** : 1, 3, 4
B3	0	1	0	−904	8096	0	4	+	10, 12, 1	0, 12, 1	2, 12, 1	III*,I_{12},I_1	**2** : 2
B4	0	1	0	256	−7440	0	2	−	10, 3, 4	0, 3, 4	2, 3, 2	III*,I_3,I_4	**2** : 2
C1	0	1	0	8	89	1	1	−	4, 8, 1	0, 8, 1	2, 8, 1	III,I_8,I_1	
D1	0	−1	0	936	−25839	0	1	−	4, 6, 5	0, 6, 5	2, 2, 1	III,I_6,I_5	
E1	0	−1	0	−32	−84	0	1	−	11, 3, 1	0, 3, 1	1, 1, 1	II*,I_3,I_1	
F1	0	−1	0	−140	753	1	1	−	4, 4, 3	0, 4, 3	2, 2, 3	III,I_4,I_3	
G1	0	1	0	−96	333	1	1	−	4, 6, 1	0, 6, 1	2, 6, 1	III,I_6,I_1	
747				$N = 747 = 3^2 \cdot 83$ (5 isogeny classes)									**747**
A1	1	−1	1	−56	−134	1	2	+	9, 1	0, 1	2, 1	III*,I_1	**2** : 2
A2	1	−1	1	−191	892	1	2	+	9, 2	0, 2	2, 2	III*,I_2	**2** : 1
B1	1	−1	0	−6	7	0	2	+	3, 1	0, 1	2, 1	III,I_1	**2** : 2
B2	1	−1	0	−21	−26	0	2	+	3, 2	0, 2	2, 2	III,I_2	**2** : 1
C1	1	−1	0	−495	−4118	1	1	−	9, 1	3, 1	2, 1	I_3^*,I_1	
D1	1	−1	0	9	4	1	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	
E1	1	−1	1	13	−12	1	1	−	7, 1	1, 1	2, 1	I_1^*,I_1	
748				$N = 748 = 2^2 \cdot 11 \cdot 17$ (1 isogeny class)									**748**
A1	0	0	0	−496	−4252	0	1	−	8, 1, 2	0, 1, 2	3, 1, 2	IV*,I_1,I_2	
749				$N = 749 = 7 \cdot 107$ (1 isogeny class)									**749**
A1	1	0	0	−4	−5	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	
752				$N = 752 = 2^4 \cdot 47$ (1 isogeny class)									**752**
A1	0	0	0	5	42	1	2	−	14, 1	2, 1	4, 1	I_6^*,I_1	**2** : 2
A2	0	0	0	−155	714	1	2	+	13, 2	1, 2	4, 2	I_5^*,I_2	**2** : 1
753				$N = 753 = 3 \cdot 251$ (3 isogeny classes)									**753**
A1	0	−1	1	−4	−3	0	1	−	2, 1	2, 1	2, 1	I_2,I_1	
B1	0	1	1	−9	20	0	3	−	6, 1	6, 1	6, 1	I_6,I_1	**3** : 2
B2	0	1	1	81	−475	0	1	−	2, 3	2, 3	2, 1	I_2,I_3	**3** : 1
C1	0	1	1	5	7	1	1	−	4, 1	4, 1	4, 1	I_4,I_1	
754				$N = 754 = 2 \cdot 13 \cdot 29$ (4 isogeny classes)									**754**
A1	1	0	1	−377	2782	0	3	−	1, 3, 2	1, 3, 2	1, 3, 2	I_1,I_3,I_2	**3** : 2
A2	1	0	1	338	11752	0	1	−	3, 1, 6	3, 1, 6	1, 1, 2	I_3,I_1,I_6	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
754				$N = 754 = 2 \cdot 13 \cdot 29$ (continued)								**754**
B1	1	0	1	−10758	428760	1	1	− 13, 1, 4	13, 1, 4	1, 1, 4	I_{13},I_1,I_4	
C1	1	0	1	−7	−6	1	2	+ 4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
C2	1	0	1	13	−30	1	2	− 2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1
D1	1	0	0	43	−31	1	1	− 9, 1, 2	9, 1, 2	9, 1, 2	I_9,I_1,I_2	
755				$N = 755 = 5 \cdot 151$ (6 isogeny classes)								**755**
A1	0	0	1	2	−1	1	1	− 1, 1	1, 1	1, 1	I_1,I_1	
B1	1	0	1	1	1	1	1	− 1, 1	1, 1	1, 1	I_1,I_1	
C1	1	0	1	1	−3	0	2	− 2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
C2	1	0	1	−24	−43	0	2	+ 1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
D1	0	1	1	0	1	0	1	− 1, 1	1, 1	1, 1	I_1,I_1	
E1	0	0	1	−7	7	0	1	− 1, 1	1, 1	1, 1	I_1,I_1	
F1	0	0	1	−56917	−5226543	0	1	− 13, 1	13, 1	13, 1	I_{13},I_1	
756				$N = 756 = 2^2 \cdot 3^3 \cdot 7$ (6 isogeny classes)								**756**
A1	0	0	0	−432	3348	0	1	+ 8, 11, 1	0, 0, 1	1, 1, 1	IV*,II*,I_1	
B1	0	0	0	−24	−44	1	1	+ 8, 3, 1	0, 0, 1	1, 1, 1	IV*,II,I_1	**3** : 2
B2	0	0	0	−264	1636	1	3	+ 8, 5, 3	0, 0, 3	3, 3, 3	IV*,IV,I_3	**3** : 1
C1	0	0	0	−48	−124	1	1	+ 8, 5, 1	0, 0, 1	3, 1, 1	IV*,IV,I_1	
D1	0	0	0	−216	1188	0	3	+ 8, 9, 1	0, 0, 1	3, 3, 1	IV*,IV*,I_1	**3** : 2
D2	0	0	0	−2376	−44172	0	1	+ 8, 11, 3	0, 0, 3	1, 1, 3	IV*,II*,I_3	**3** : 1
E1	0	0	0	9	−2	0	1	− 8, 3, 1	0, 0, 1	1, 1, 1	IV*,II,I_1	**3** : 2
E2	0	0	0	−111	502	0	3	− 8, 5, 3	0, 0, 3	3, 1, 3	IV*,IV,I_3	**3** : 1
F1	0	0	0	81	54	0	3	− 8, 9, 1	0, 0, 1	3, 3, 1	IV*,IV*,I_1	**3** : 2
F2	0	0	0	−999	−13554	0	1	− 8, 11, 3	0, 0, 3	1, 1, 3	IV*,II*,I_3	**3** : 1
758				$N = 758 = 2 \cdot 379$ (2 isogeny classes)								**758**
A1	1	0	1	11	0	1	1	− 8, 1	8, 1	2, 1	I_8,I_1	
B1	1	1	1	−44	−131	0	1	− 4, 1	4, 1	4, 1	I_4,I_1	
759				$N = 759 = 3 \cdot 11 \cdot 23$ (2 isogeny classes)								**759**
A1	1	1	1	−23	−628	1	2	− 10, 2, 1	10, 2, 1	2, 2, 1	I_{10},I_2,I_1	**2** : 2
A2	1	1	1	−1238	−17152	1	2	+ 5, 4, 2	5, 4, 2	1, 4, 2	I_5,I_4,I_2	**2** : 1
B1	1	0	0	31	−192	1	4	− 8, 2, 1	8, 2, 1	8, 2, 1	I_8,I_2,I_1	**2** : 2
B2	1	0	0	−374	−2541	1	8	+ 4, 4, 2	4, 4, 2	4, 4, 2	I_4,I_4,I_2	**2** : 1, 3, 4
B3	1	0	0	−5819	−171336	1	4	+ 2, 2, 4	2, 2, 4	2, 2, 2	I_2,I_2,I_4	**2** : 2, 5, 6
B4	1	0	0	−1409	17538	1	4	+ 2, 8, 1	2, 8, 1	2, 8, 1	I_2,I_8,I_1	**2** : 2
B5	1	0	0	−93104	−10942305	1	2	+ 1, 1, 2	1, 1, 2	1, 1, 2	I_1,I_1,I_2	**2** : 3
B6	1	0	0	−5654	−181467	1	2	− 1, 1, 8	1, 1, 8	1, 1, 2	I_1,I_1,I_8	**2** : 3
760				$N = 760 = 2^3 \cdot 5 \cdot 19$ (5 isogeny classes)								**760**
A1	0	−1	0	5	0	0	2	− 4, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	**2** : 2
A2	0	−1	0	−20	20	0	2	+ 8, 1, 2	0, 1, 2	2, 1, 2	I_1^*,I_1,I_2	**2** : 1
B1	0	1	0	−26035	−1626942	0	2	− 4, 14, 1	0, 14, 1	2, 14, 1	III,I_{14},I_1	**2** : 2
B2	0	1	0	−416660	−103658192	0	2	+ 8, 7, 2	0, 7, 2	2, 7, 2	I_1^*,I_7,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

760 $N = 760 = 2^3 \cdot 5 \cdot 19$ (continued) 760

C1	0	0	0	−67	926	0	1	− 11, 2, 3	0, 2, 3	1, 2, 1	II*,I_2,I_3	
D1	0	1	0	−35	58	1	2	+ 4, 3, 2	0, 3, 2	2, 3, 2	III,I_3,I_2	**2** : 2
D2	0	1	0	60	400	1	2	− 8, 6, 1	0, 6, 1	2, 6, 1	I_1^*,I_6,I_1	**2** : 1
E1	0	0	0	−2	21	1	4	− 4, 4, 1	0, 4, 1	2, 4, 1	III,I_4,I_1	**2** : 2
E2	0	0	0	−127	546	1	4	+ 8, 2, 2	0, 2, 2	4, 2, 2	I_1^*,I_2,I_2	**2** : 1, 3, 4
E3	0	0	0	−227	−434	1	2	+ 10, 1, 4	0, 1, 4	2, 1, 2	III*,I_1,I_4	**2** : 2
E4	0	0	0	−2027	35126	1	2	+ 10, 1, 1	0, 1, 1	2, 1, 1	III*,I_1,I_1	**2** : 2

762 $N = 762 = 2 \cdot 3 \cdot 127$ (7 isogeny classes) 762

A1	1	0	1	−6	−8	0	1	− 5, 1, 1	5, 1, 1	1, 1, 1	I_5,I_1,I_1	
B1	1	0	1	−17677	−9208	0	1	+ 35, 4, 1	35, 4, 1	1, 4, 1	I_{35},I_4,I_1	
C1	1	0	1	−10	−10	1	1	+ 1, 4, 1	1, 4, 1	1, 4, 1	I_1,I_4,I_1	
D1	1	1	1	−21	27	1	1	+ 5, 2, 1	5, 2, 1	5, 2, 1	I_5,I_2,I_1	
E1	1	0	0	−267	1521	1	1	+ 11, 6, 1	11, 6, 1	11, 6, 1	I_{11},I_6,I_1	
F1	1	0	0	−8	−216	0	3	− 3, 9, 1	3, 9, 1	3, 9, 1	I_3,I_9,I_1	**3** : 2
F2	1	0	0	−2978	−62802	0	1	− 1, 3, 3	1, 3, 3	1, 3, 3	I_1,I_3,I_3	**3** : 1
G1	1	0	0	−101946	12401892	0	7	+ 21, 14, 1	21, 14, 1	21, 14, 1	I_{21},I_{14},I_1	**7** : 2
G2	1	0	0	−22361106	−40701264948	0	1	+ 3, 2, 7	3, 2, 7	3, 2, 7	I_3,I_2,I_7	**7** : 1

763 $N = 763 = 7 \cdot 109$ (1 isogeny class) 763

A1	0	0	1	−5	10	1	1	− 3, 1	3, 1	3, 1	I_3,I_1	

765 $N = 765 = 3^2 \cdot 5 \cdot 17$ (3 isogeny classes) 765

A1	1	−1	0	−150	791	0	2	− 9, 1, 2	0, 1, 2	2, 1, 2	III*,I_1,I_2	**2** : 2
A2	1	−1	0	−2445	47150	0	2	+ 9, 2, 1	0, 2, 1	2, 2, 1	III*,I_2,I_1	**2** : 1
B1	1	−1	1	−17	−24	0	2	− 3, 1, 2	0, 1, 2	2, 1, 2	III,I_1,I_2	**2** : 2
B2	1	−1	1	−272	−1656	0	2	+ 3, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	**2** : 1
C1	1	−1	1	−77	276	1	2	+ 6, 2, 1	0, 2, 1	2, 2, 1	I_0^*,I_2,I_1	**2** : 2
C2	1	−1	1	−32	564	1	2	− 6, 4, 2	0, 4, 2	2, 4, 2	I_0^*,I_4,I_2	**2** : 1

766 $N = 766 = 2 \cdot 383$ (1 isogeny class) 766

A1	1	1	0	11	45	0	1	− 11, 1	11, 1	1, 1	I_{11},I_1	

768 $N = 768 = 2^8 \cdot 3$ (8 isogeny classes) 768

A1	0	−1	0	−23	51	1	2	+ 9, 2	0, 2	2, 2	III,I_2	**2** : 2
A2	0	−1	0	−13	85	1	2	− 15, 4	0, 4	2, 2	III*,I_4	**2** : 1
B1	0	−1	0	1	3	1	2	− 9, 2	0, 2	2, 2	III,I_2	**2** : 2; **5** : 3
B2	0	−1	0	−29	69	1	2	+ 15, 1	0, 1	2, 1	III*,I_1	**2** : 1; **5** : 4
B3	0	−1	0	−159	−765	1	2	− 9, 10	0, 10	2, 2	III,I_{10}	**2** : 4; **5** : 1
B4	0	−1	0	−2589	−49851	1	2	+ 15, 5	0, 5	2, 1	III*,I_5	**2** : 3; **5** : 2
C1	0	1	0	−23	−51	0	2	+ 9, 2	0, 2	2, 2	III,I_2	**2** : 2
C2	0	1	0	−13	−85	0	2	− 15, 4	0, 4	2, 4	III*,I_4	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\text{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

768 $N = 768 = 2^8 \cdot 3$ (continued) 768

D1	0	1	0	−7	5	0	2	+	9, 1	0, 1	2, 1	III,I_1	**2** : 2; **5** : 3
D2	0	1	0	3	27	0	2	−	15, 2	0, 2	2, 2	III*,I_2	**2** : 1; **5** : 4
D3	0	1	0	−647	−6555	0	2	+	9, 5	0, 5	2, 5	III,I_5	**2** : 4; **5** : 1
D4	0	1	0	−637	−6757	0	2	−	15, 10	0, 10	2, 10	III*,I_{10}	**2** : 3; **5** : 2
E1	0	−1	0	−3	−9	0	2	−	9, 4	0, 4	2, 2	III,I_4	**2** : 2
E2	0	−1	0	−93	−315	0	2	+	15, 2	0, 2	2, 2	III*,I_2	**2** : 1
F1	0	−1	0	−7	−5	0	2	+	9, 1	0, 1	2, 1	III,I_1	**2** : 2; **5** : 3
F2	0	−1	0	3	−27	0	2	−	15, 2	0, 2	2, 2	III*,I_2	**2** : 1; **5** : 4
F3	0	−1	0	−647	6555	0	2	+	9, 5	0, 5	2, 1	III,I_5	**2** : 4; **5** : 1
F4	0	−1	0	−637	6757	0	2	−	15, 10	0, 10	2, 2	III*,I_{10}	**2** : 3; **5** : 2
G1	0	1	0	−3	9	1	2	−	9, 4	0, 4	2, 4	III,I_4	**2** : 2
G2	0	1	0	−93	315	1	2	+	15, 2	0, 2	2, 2	III*,I_2	**2** : 1
H1	0	1	0	1	−3	1	2	−	9, 2	0, 2	2, 2	III,I_2	**2** : 2; **5** : 3
H2	0	1	0	−29	−69	1	2	+	15, 1	0, 1	2, 1	III*,I_1	**2** : 1; **5** : 4
H3	0	1	0	−159	765	1	2	−	9, 10	0, 10	2, 10	III,I_{10}	**2** : 4; **5** : 1
H4	0	1	0	−2589	49851	1	2	+	15, 5	0, 5	2, 5	III*,I_5	**2** : 3; **5** : 2

770 $N = 770 = 2 \cdot 5 \cdot 7 \cdot 11$ (7 isogeny classes) 770

A1	1	1	0	−3	−7	0	2	−	2, 1, 2, 1	2, 1, 2, 1	2, 1, 2, 1	I_2,I_1,I_2,I_1	**2** : 2
A2	1	1	0	−73	−273	0	2	+	1, 2, 1, 2	1, 2, 1, 2	1, 2, 1, 2	I_1,I_2,I_1,I_2	**2** : 1
B1	1	0	1	−914	10596	0	6	−	6, 1, 6, 1	6, 1, 6, 1	2, 1, 6, 1	I_6,I_1,I_6,I_1	**2** : 2; **3** : 3
B2	1	0	1	−14634	680132	0	6	+	3, 2, 3, 2	3, 2, 3, 2	1, 2, 3, 2	I_3,I_2,I_3,I_2	**2** : 1; **3** : 4
B3	1	0	1	2271	56852	0	2	−	18, 3, 2, 3	18, 3, 2, 3	2, 1, 2, 1	I_{18},I_3,I_2,I_3	**2** : 4; **3** : 1
B4	1	0	1	−15649	580116	0	2	+	9, 6, 1, 6	9, 6, 1, 6	1, 2, 1, 2	I_9,I_6,I_1,I_6	**2** : 3; **3** : 2
C1	1	−1	0	−12089	−612755	0	2	−	8, 5, 8, 1	8, 5, 8, 1	2, 5, 2, 1	I_8,I_5,I_8,I_1	**2** : 2
C2	1	−1	0	−204169	−35456067	0	4	+	4, 10, 4, 2	4, 10, 4, 2	2, 10, 2, 2	I_4,I_{10},I_4,I_2	**2** : 1, 3, 4
C3	1	−1	0	−3266669	−2271693567	0	2	+	2, 5, 2, 4	2, 5, 2, 4	2, 5, 2, 2	I_2,I_5,I_2,I_4	**2** : 2
C4	1	−1	0	−214949	−31495495	0	4	+	2, 20, 2, 1	2, 20, 2, 1	2, 20, 2, 1	I_2,I_{20},I_2,I_1	**2** : 2
D1	1	0	1	32	558	1	2	−	8, 4, 1, 2	8, 4, 1, 2	2, 4, 1, 2	I_8,I_4,I_1,I_2	**2** : 2
D2	1	0	1	−848	9006	1	2	+	4, 8, 2, 1	4, 8, 2, 1	2, 8, 2, 1	I_4,I_8,I_2,I_1	**2** : 1
E1	1	−1	0	−29	−635	1	2	−	16, 1, 2, 1	16, 1, 2, 1	2, 1, 2, 1	I_{16},I_1,I_2,I_1	**2** : 2
E2	1	−1	0	−1309	−17787	1	4	+	8, 2, 4, 2	8, 2, 4, 2	2, 2, 4, 2	I_8,I_2,I_4,I_2	**2** : 1, 3, 4
E3	1	−1	0	−20909	−1158507	1	2	+	4, 1, 2, 4	4, 1, 2, 4	2, 1, 2, 2	I_4,I_1,I_2,I_4	**2** : 2
E4	1	−1	0	−2189	9845	1	4	+	4, 4, 8, 1	4, 4, 8, 1	2, 4, 8, 1	I_4,I_4,I_8,I_1	**2** : 2
F1	1	0	0	−56	3136	1	6	−	12, 2, 3, 2	12, 2, 3, 2	12, 2, 3, 2	I_{12},I_2,I_3,I_2	**2** : 2; **3** : 3
F2	1	0	0	−3576	81280	1	6	+	6, 4, 6, 1	6, 4, 6, 1	6, 2, 6, 1	I_6,I_4,I_6,I_1	**2** : 1; **3** : 4
F3	1	0	0	504	−84560	1	2	−	4, 6, 1, 6	4, 6, 1, 6	4, 2, 1, 2	I_4,I_6,I_1,I_6	**2** : 4; **3** : 1
F4	1	0	0	−26116	−1580604	1	2	+	2, 12, 2, 3	2, 12, 2, 3	2, 2, 2, 1	I_2,I_{12},I_2,I_3	**2** : 3; **3** : 2
G1	1	0	0	10	100	0	6	−	6, 3, 2, 1	6, 3, 2, 1	6, 3, 2, 1	I_6,I_3,I_2,I_1	**2** : 2; **3** : 3
G2	1	0	0	−270	1612	0	6	+	3, 6, 1, 2	3, 6, 1, 2	3, 6, 1, 2	I_3,I_6,I_1,I_2	**2** : 1; **3** : 4
G3	1	0	0	−90	−2720	0	2	−	2, 1, 6, 3	2, 1, 6, 3	2, 1, 6, 1	I_2,I_1,I_6,I_3	**2** : 4; **3** : 1
G4	1	0	0	−3520	−80238	0	2	+	1, 2, 3, 6	1, 2, 3, 6	1, 2, 3, 2	I_1,I_2,I_3,I_6	**2** : 3; **3** : 2

774 $N = 774 = 2 \cdot 3^2 \cdot 43$ (9 isogeny classes) 774

A1	1	−1	0	57	−243	0	3	−	4, 3, 3	4, 0, 3	2, 2, 3	I_4,III,I_3	**3** : 2
A2	1	−1	0	−1878	−30988	0	1	−	12, 9, 1	12, 0, 1	2, 2, 1	I_{12},III*,I_1	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
774				$N = 774 = 2 \cdot 3^2 \cdot 43$ (continued)									**774**
B1	1	−1	0	−216	832	0	2	+	12, 7, 1	12, 1, 1	2, 2, 1	I_{12},I_1^*,I_1	**2** : 2
B2	1	−1	0	−3096	67072	0	4	+	6, 8, 2	6, 2, 2	2, 4, 2	I_6,I_2^*,I_2	**2** : 1, 3, 4
B3	1	−1	0	−49536	4255960	0	2	+	3, 7, 1	3, 1, 1	1, 4, 1	I_3,I_1^*,I_1	**2** : 2
B4	1	−1	0	−2736	82984	0	2	−	3, 10, 4	3, 4, 4	1, 4, 2	I_3,I_4^*,I_4	**2** : 2
C1	1	−1	0	−397116	−96224252	0	1	−	2, 25, 1	2, 19, 1	2, 4, 1	I_2,I_{19}^*,I_1	
D1	1	−1	0	1431	−46899	1	1	−	14, 13, 1	14, 7, 1	2, 2, 1	I_{14},I_7^*,I_1	**7** : 2
D2	1	−1	0	−539109	152510121	1	1	−	2, 7, 7	2, 1, 7	2, 2, 7	I_2,I_1^*,I_7	**7** : 1
E1	1	−1	0	−18	0	1	2	+	2, 7, 1	2, 1, 1	2, 4, 1	I_2,I_1^*,I_1	**2** : 2
E2	1	−1	0	72	−54	1	2	−	1, 8, 2	1, 2, 2	1, 4, 2	I_1,I_2^*,I_2	**2** : 1
F1	1	−1	1	−209	1217	1	3	−	12, 3, 1	12, 0, 1	12, 2, 1	I_{12},III,I_1	**3** : 2
F2	1	−1	1	511	6049	1	1	−	4, 9, 3	4, 0, 3	4, 2, 3	I_4,III*,I_3	**3** : 1
G1	1	−1	1	22	105	1	1	−	6, 7, 1	6, 1, 1	6, 4, 1	I_6,I_1^*,I_1	
H1	1	−1	1	−17249	−866127	0	2	+	14, 13, 1	14, 7, 1	14, 2, 1	I_{14},I_7^*,I_1	**2** : 2
H2	1	−1	1	−11489	−1458255	0	2	−	7, 20, 2	7, 14, 2	7, 4, 2	I_7,I_{14}^*,I_2	**2** : 1
I1	1	−1	1	−131	−601	0	1	−	2, 11, 1	2, 5, 1	2, 2, 1	I_2,I_5^*,I_1	
775				$N = 775 = 5^2 \cdot 31$ (3 isogeny classes)									**775**
A1	0	1	1	−33	94	1	1	−	7, 1	1, 1	2, 1	I_1^*,I_1	
B1	1	0	1	−26	−177	0	2	−	8, 1	2, 1	4, 1	I_2^*,I_1	**2** : 2
B2	1	0	1	−651	−6427	0	2	+	7, 2	1, 2	2, 2	I_1^*,I_2	**2** : 1
C1	0	1	1	242	1269	0	1	−	11, 1	5, 1	4, 1	I_5^*,I_1	**5** : 2
C2	0	1	1	−21008	−1181231	0	1	−	7, 5	1, 5	4, 5	I_1^*,I_5	**5** : 1
776				$N = 776 = 2^3 \cdot 97$ (1 isogeny class)									**776**
A1	0	0	0	−31	66	1	2	+	8, 1	0, 1	4, 1	I_1^*,I_1	**2** : 2
A2	0	0	0	−11	150	1	2	−	10, 2	0, 2	2, 2	III*,I_2	**2** : 1
777				$N = 777 = 3 \cdot 7 \cdot 37$ (7 isogeny classes)									**777**
A1	1	1	0	−16	19	0	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
A2	1	1	0	−21	0	0	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
A3	1	1	0	−206	−1221	0	2	+	4, 4, 1	4, 4, 1	2, 2, 1	I_4,I_4,I_1	**2** : 2
A4	1	1	0	84	105	0	4	−	1, 1, 4	1, 1, 4	1, 1, 4	I_1,I_1,I_4	**2** : 2
B1	0	−1	1	−2531950	1551713040	0	1	−	10, 13, 1	10, 13, 1	2, 1, 1	I_{10},I_{13},I_1	
C1	0	−1	1	−169	−792	0	1	−	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	
D1	1	1	1	−14	26	1	4	−	1, 4, 1	1, 4, 1	1, 4, 1	I_1,I_4,I_1	**2** : 2
D2	1	1	1	−259	1496	1	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
D3	1	1	1	−294	1020	1	2	+	4, 1, 4	4, 1, 4	2, 1, 4	I_4,I_1,I_4	**2** : 2
D4	1	1	1	−4144	100952	1	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
E1	1	0	1	−1312	−18391	1	2	+	5, 1, 1	5, 1, 1	5, 1, 1	I_5,I_1,I_1	**2** : 2
E2	1	0	1	−1317	−18245	1	4	+	10, 2, 2	10, 2, 2	10, 2, 2	I_{10},I_2,I_2	**2** : 1, 3, 4
E3	1	0	1	−2612	23195	1	4	+	20, 1, 1	20, 1, 1	20, 1, 1	I_{20},I_1,I_1	**2** : 2
E4	1	0	1	−102	−50321	1	2	−	5, 4, 4	5, 4, 4	5, 2, 4	I_5,I_4,I_4	**2** : 2
F1	0	1	1	0	2	1	1	−	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	
G1	0	1	1	9	344	1	1	−	4, 5, 1	4, 5, 1	4, 5, 1	I_4,I_5,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

780 $N = 780 = 2^2 \cdot 3 \cdot 5 \cdot 13$ (4 isogeny classes) 780

A1	0	−1	0	−105	450	1	2	+	4, 4, 2, 1	0, 4, 2, 1	3, 2, 2, 1	IV,I_4,I_2,I_1	**2** : 2
A2	0	−1	0	−60	792	1	2	−	8, 2, 4, 2	0, 2, 4, 2	3, 2, 4, 2	IV*,I_2,I_4,I_2	**2** : 1
B1	0	−1	0	195	−195975	0	1	−	8, 13, 5, 1	0, 13, 5, 1	1, 1, 5, 1	IV*,I_{13},I_5,I_1	
C1	0	1	0	−81	0	1	2	+	4, 8, 2, 1	0, 8, 2, 1	3, 8, 2, 1	IV,I_8,I_2,I_1	**2** : 2
C2	0	1	0	324	324	1	2	−	8, 4, 4, 2	0, 4, 4, 2	3, 4, 2, 2	IV*,I_4,I_4,I_2	**2** : 1
D1	0	1	0	19	15	0	3	−	8, 3, 1, 1	0, 3, 1, 1	3, 3, 1, 1	IV*,I_3,I_1,I_1	**3** : 2
D2	0	1	0	−221	−1521	0	1	−	8, 1, 3, 3	0, 1, 3, 3	1, 1, 1, 3	IV*,I_1,I_3,I_3	**3** : 1

781 $N = 781 = 11 \cdot 71$ (2 isogeny classes) 781

A1	0	0	1	−1378	347	0	1	+	9, 1	9, 1	1, 1	I_9,I_1	
B1	0	0	1	−808	8840	1	1	+	3, 1	3, 1	3, 1	I_3,I_1	

782 $N = 782 = 2 \cdot 17 \cdot 23$ (5 isogeny classes) 782

A1	1	0	1	5	6	1	2	−	6, 1, 1	6, 1, 1	2, 1, 1	I_6,I_1,I_1	**2** : 2
A2	1	0	1	−35	54	1	2	+	3, 2, 2	3, 2, 2	1, 2, 2	I_3,I_2,I_2	**2** : 1
B1	1	0	0	−60	−184	0	1	−	3, 1, 1	3, 1, 1	3, 1, 1	I_3,I_1,I_1	
C1	1	0	0	−99153	−12025559	0	2	+	14, 1, 4	14, 1, 4	14, 1, 2	I_{14},I_1,I_4	**2** : 2
C2	1	0	0	−99793	−11862615	0	2	+	7, 2, 8	7, 2, 8	7, 2, 2	I_7,I_2,I_8	**2** : 1
D1	1	−1	1	0	1	0	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
E1	1	−1	1	−529	385	0	4	+	20, 1, 2	20, 1, 2	20, 1, 2	I_{20},I_1,I_2	**2** : 2
E2	1	−1	1	−5649	−161407	0	4	+	10, 2, 4	10, 2, 4	10, 2, 4	I_{10},I_2,I_4	**2** : 1, 3, 4
E3	1	−1	1	−90289	−10419775	0	2	+	5, 4, 2	5, 4, 2	5, 4, 2	I_5,I_4,I_2	**2** : 2
E4	1	−1	1	−2929	−319167	0	2	−	5, 1, 8	5, 1, 8	5, 1, 8	I_5,I_1,I_8	**2** : 2

784 $N = 784 = 2^4 \cdot 7^2$ (10 isogeny classes) 784

A1	0	1	0	−16	−29	1	1	+	4, 4	0, 0	1, 1	II,IV	
B1	0	0	0	−343	2401	1	1	+	4, 8	0, 0	1, 3	II,IV*	
C1	0	0	0	49	686	0	2	−	8, 7	0, 1	2, 2	I_0^*,I_1^*	**2** : 2
C2	0	0	0	−931	10290	0	4	+	10, 8	0, 2	4, 4	I_2^*,I_2^*	**2** : 1, 3, 4
C3	0	0	0	−2891	−47334	0	2	+	11, 10	0, 4	2, 4	I_3^*,I_4^*	**2** : 2
C4	0	0	0	−14651	682570	0	4	+	11, 7	0, 1	4, 4	I_3^*,I_1^*	**2** : 2
D1	0	−1	0	−800	8359	0	1	+	4, 10	0, 0	1, 1	II,II*	
E1	0	−1	0	−16	−1392	0	2	−	10, 7	0, 1	4, 4	I_2^*,I_1^*	**2** : 2
E2	0	−1	0	−1976	−32752	0	2	+	11, 8	0, 2	4, 4	I_3^*,I_2^*	**2** : 1
F1	0	0	0	−7	−7	0	1	+	4, 2	0, 0	1, 1	II,II	
G1	0	−1	0	−114	127	0	1	+	4, 8	0, 0	1, 1	II,IV*	**3** : 2
G2	0	−1	0	−6974	226507	0	1	+	4, 8	0, 0	1, 1	II,IV*	**3** : 1
H1	0	0	0	−35	98	1	2	−	12, 3	0, 0	4, 2	I_4^*,III	**2** : 2; **7** : 3
H2	0	0	0	−595	5586	1	2	+	12, 3	0, 0	2, 2	I_4^*,III	**2** : 1; **7** : 4
H3	0	0	0	−1715	−33614	1	2	−	12, 9	0, 0	4, 2	I_4^*,III*	**2** : 4; **7** : 1
H4	0	0	0	−29155	−1915998	1	2	+	12, 9	0, 0	2, 2	I_4^*,III*	**2** : 3; **7** : 2
I1	0	1	0	−2	−1	1	1	+	4, 2	0, 0	1, 1	II,II	**3** : 2
I2	0	1	0	−142	−701	1	1	+	4, 2	0, 0	1, 1	II,II	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
784				$N = 784 = 2^4 \cdot 7^2$ (continued)								**784**
J1	0	1	0	−408	6292	1	2	− 14, 7	2, 1	4, 4	I_6^*,I_1^*	**2** : 2; **3** : 3
J2	0	1	0	−8248	285396	1	2	+ 13, 8	1, 2	2, 4	I_5^*,I_2^*	**2** : 1; **3** : 4
J3	0	1	0	3512	−133260	1	2	− 18, 9	6, 3	4, 4	I_{10}^*,I_3^*	**2** : 4; **3** : 1, 5
J4	0	1	0	−27848	−1475468	1	2	+ 15, 12	3, 6	2, 4	I_7^*,I_6^*	**2** : 3; **3** : 2, 6
J5	0	1	0	−133688	−18913196	1	2	− 30, 7	18, 1	4, 4	I_{22}^*,I_1^*	**2** : 6; **3** : 3
J6	0	1	0	−2140728	−1206278060	1	2	+ 21, 8	9, 2	2, 4	I_{13}^*,I_2^*	**2** : 5; **3** : 4
786				$N = 786 = 2 \cdot 3 \cdot 131$ (13 isogeny classes)								**786**
A1	1	1	0	−8	6	1	1	+ 1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
B1	1	1	0	−281	1701	1	1	− 6, 3, 1	6, 3, 1	2, 1, 1	I_6,I_3,I_1	
C1	1	1	0	1217	6622405	1	1	− 9, 24, 1	9, 24, 1	1, 2, 1	I_9,I_{24},I_1	
D1	1	1	0	−3418	−78356	0	1	+ 3, 7, 1	3, 7, 1	1, 1, 1	I_3,I_7,I_1	
E1	1	1	0	−29	−3	0	2	+ 12, 1, 1	12, 1, 1	2, 1, 1	I_{12},I_1,I_1	**2** : 2
E2	1	1	0	−349	2365	0	4	+ 6, 2, 2	6, 2, 2	2, 2, 2	I_6,I_2,I_2	**2** : 1, 3, 4
E3	1	1	0	−5589	158517	0	2	+ 3, 4, 1	3, 4, 1	1, 2, 1	I_3,I_4,I_1	**2** : 2
E4	1	1	0	−229	4165	0	2	− 3, 1, 4	3, 1, 4	1, 1, 4	I_3,I_1,I_4	**2** : 2
F1	1	0	1	−40	92	0	3	+ 1, 3, 1	1, 3, 1	1, 3, 1	I_1,I_3,I_1	**3** : 2
F2	1	0	1	−145	−580	0	1	+ 3, 1, 3	3, 1, 3	1, 1, 1	I_3,I_1,I_3	**3** : 1
G1	1	0	1	−103	−406	1	1	+ 11, 1, 1	11, 1, 1	1, 1, 1	I_{11},I_1,I_1	
H1	1	0	1	−17	56	1	1	− 2, 7, 1	2, 7, 1	2, 7, 1	I_2,I_7,I_1	
I1	1	1	1	−71	−259	0	2	+ 6, 3, 1	6, 3, 1	6, 1, 1	I_6,I_3,I_1	**2** : 2
I2	1	1	1	−31	−499	0	2	− 3, 6, 2	3, 6, 2	3, 2, 2	I_3,I_6,I_2	**2** : 1
J1	1	1	1	−861	9267	1	1	+ 21, 1, 1	21, 1, 1	21, 1, 1	I_{21},I_1,I_1	
K1	1	1	1	10	11	1	1	− 3, 4, 1	3, 4, 1	3, 2, 1	I_3,I_4,I_1	
L1	1	0	0	−42	36	1	1	+ 7, 5, 1	7, 5, 1	7, 5, 1	I_7,I_5,I_1	
M1	1	0	0	−2135	35913	0	5	+ 5, 15, 1	5, 15, 1	5, 15, 1	I_5,I_{15},I_1	**5** : 2
M2	1	0	0	−227045	−41659377	0	1	+ 1, 3, 5	1, 3, 5	1, 3, 5	I_1,I_3,I_5	**5** : 1
790				$N = 790 = 2 \cdot 5 \cdot 79$ (1 isogeny class)								**790**
A1	1	0	0	−25	57	1	2	− 8, 2, 1	8, 2, 1	8, 2, 1	I_8,I_2,I_1	**2** : 2
A2	1	0	0	−425	3337	1	2	+ 4, 1, 2	4, 1, 2	4, 1, 2	I_4,I_1,I_2	**2** : 1
791				$N = 791 = 7 \cdot 113$ (3 isogeny classes)								**791**
A1	1	0	1	−31	117	0	2	− 3, 2	3, 2	1, 2	I_3,I_2	**2** : 2
A2	1	0	1	−596	5541	0	2	+ 6, 1	6, 1	2, 1	I_6,I_1	**2** : 1
B1	1	0	1	−38	−93	0	2	− 1, 2	1, 2	1, 2	I_1,I_2	**2** : 2
B2	1	0	1	−603	−5743	0	2	+ 2, 1	2, 1	2, 1	I_2,I_1	**2** : 1
C1	1	−1	1	−19	−14	1	4	+ 4, 1	4, 1	4, 1	I_4,I_1	**2** : 2
C2	1	−1	1	−264	−1582	1	4	+ 2, 2	2, 2	2, 2	I_2,I_2	**2** : 1, 3, 4
C3	1	−1	1	−4219	−104412	1	2	+ 1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
C4	1	−1	1	−229	−2044	1	2	− 1, 4	1, 4	1, 4	I_1,I_4	**2** : 2
792				$N = 792 = 2^3 \cdot 3^2 \cdot 11$ (7 isogeny classes)								**792**
A1	0	0	0	−135	−486	1	2	+ 8, 9, 1	0, 0, 1	2, 2, 1	I_1^*,III*,I_1	**2** : 2
A2	0	0	0	−675	6318	1	2	+ 10, 9, 2	0, 0, 2	2, 2, 2	III*,III*,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

792 $N = 792 = 2^3 \cdot 3^2 \cdot 11$ (continued) 792

B1	0	0	0	−75	−74	0	2	+	10, 7, 1	0, 1, 1	2, 2, 1	III*,I_1^*,I_1	**2** : 2
B2	0	0	0	285	−578	0	2	−	11, 8, 2	0, 2, 2	1, 4, 2	II*,I_2^*,I_2	**2** : 1
C1	0	0	0	−15	18	1	2	+	8, 3, 1	0, 0, 1	4, 2, 1	I_1^*,III,I_1	**2** : 2
C2	0	0	0	−75	−234	1	2	+	10, 3, 2	0, 0, 2	2, 2, 2	III*,III,I_2	**2** : 1
D1	0	0	0	−111	434	1	4	+	8, 7, 1	0, 1, 1	4, 4, 1	I_1^*,I_1^*,I_1	**2** : 2
D2	0	0	0	−291	−1330	1	4	+	10, 8, 2	0, 2, 2	2, 4, 2	III*,I_2^*,I_2	**2** : 1, 3, 4
D3	0	0	0	−4251	−106666	1	2	+	11, 10, 1	0, 4, 1	1, 4, 1	II*,I_4^*,I_1	**2** : 2
D4	0	0	0	789	−8890	1	2	−	11, 7, 4	0, 1, 4	1, 2, 2	II*,I_1^*,I_4	**2** : 2
E1	0	0	0	6	−155	0	2	−	4, 10, 1	0, 4, 1	2, 4, 1	III,I_4^*,I_1	**2** : 2
E2	0	0	0	−399	−2990	0	4	+	8, 8, 2	0, 2, 2	4, 4, 2	I_1^*,I_2^*,I_2	**2** : 1, 3, 4
E3	0	0	0	−6339	−194258	0	2	+	10, 7, 1	0, 1, 1	2, 2, 1	III*,I_1^*,I_1	**2** : 2
E4	0	0	0	−939	6838	0	4	+	10, 7, 4	0, 1, 4	2, 4, 4	III*,I_1^*,I_4	**2** : 2
F1	0	0	0	−36	−108	0	1	−	8, 6, 1	0, 0, 1	2, 1, 1	I_1^*,I_0^*,I_1	
G1	0	0	0	−72147	7458910	0	2	+	10, 13, 1	0, 7, 1	2, 2, 1	III*,I_7^*,I_1	**2** : 2
G2	0	0	0	−71787	7537030	0	2	−	11, 20, 2	0, 14, 2	1, 4, 2	II*,I_{14}^*,I_2	**2** : 1

793 $N = 793 = 13 \cdot 61$ (1 isogeny class) 793

A1	1	−1	0	−16	−21	1	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
A2	1	−1	0	−11	−38	1	2	−	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1

794 $N = 794 = 2 \cdot 397$ (4 isogeny classes) 794

A1	1	0	1	−3	2	2	1	−	2, 1	2, 1	2, 1	I_2,I_1	
B1	1	0	0	−57	161	1	3	−	3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
B2	1	0	0	13	539	1	1	−	1, 3	1, 3	1, 3	I_1,I_3	**3** : 1
C1	1	1	1	4	−3	1	1	−	5, 1	5, 1	5, 1	I_5,I_1	
D1	1	0	0	47	−471	1	3	−	18, 1	18, 1	18, 1	I_{18},I_1	**3** : 2
D2	1	0	0	−3473	−79127	1	3	−	6, 3	6, 3	6, 3	I_6,I_3	**3** : 1, 3
D3	1	0	0	−281373	−57471035	1	1	−	2, 1	2, 1	2, 1	I_2,I_1	**3** : 2

795 $N = 795 = 3 \cdot 5 \cdot 53$ (4 isogeny classes) 795

A1	1	1	0	−8	3	1	2	+	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
A2	1	1	0	−53	−168	1	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
A3	1	1	0	−848	−9867	1	2	+	1, 4, 1	1, 4, 1	1, 2, 1	I_1,I_4,I_1	**2** : 2
A4	1	1	0	22	−513	1	2	−	1, 1, 4	1, 1, 4	1, 1, 2	I_1,I_1,I_4	**2** : 2
B1	0	−1	1	−221	−1198	0	1	−	3, 5, 1	3, 5, 1	1, 1, 1	I_3,I_5,I_1	
C1	0	1	1	−491	15251	0	3	−	15, 3, 1	15, 3, 1	15, 1, 1	I_{15},I_3,I_1	**3** : 2
C2	0	1	1	4369	−387400	0	1	−	5, 9, 3	5, 9, 3	5, 1, 1	I_5,I_9,I_3	**3** : 1
D1	1	0	1	21	−23	0	2	−	3, 4, 1	3, 4, 1	3, 2, 1	I_3,I_4,I_1	**2** : 2
D2	1	0	1	−104	−223	0	4	+	6, 2, 2	6, 2, 2	6, 2, 2	I_6,I_2,I_2	**2** : 1, 3, 4
D3	1	0	1	−1429	−20893	0	2	+	12, 1, 1	12, 1, 1	12, 1, 1	I_{12},I_1,I_1	**2** : 2
D4	1	0	1	−779	8147	0	2	+	3, 1, 4	3, 1, 4	3, 1, 2	I_3,I_1,I_4	**2** : 2

797 $N = 797 = 797$ (1 isogeny class) 797

A1	1	0	0	2	1	1	1	−	1	1	1	I_1	

	$a_1\,a_2\,a_3$	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
798		$N = 798 = 2 \cdot 3 \cdot 7 \cdot 19$ (9 isogeny classes)								**798**
A1	1 1 0	−10	4	1	2	+ 4, 1, 2, 1	4, 1, 2, 1	2, 1, 2, 1	I_4,I_1,I_2,I_1	**2** : 2
A2	1 1 0	−150	648	1	2	+ 2, 2, 1, 2	2, 2, 1, 2	2, 2, 1, 2	I_2,I_2,I_1,I_2	**2** : 1
B1	1 0 1	−80	−226	0	2	+12, 1, 2, 1	12, 1, 2, 1	2, 1, 2, 1	I_{12},I_1,I_2,I_1	**2** : 2
B2	1 0 1	−400	2846	0	4	+ 6, 2, 4, 2	6, 2, 4, 2	2, 2, 2, 2	I_6,I_2,I_4,I_2	**2** : 1, 3, 4
B3	1 0 1	−6280	191006	0	2	+ 3, 1, 2, 4	3, 1, 2, 4	1, 1, 2, 2	I_3,I_1,I_2,I_4	**2** : 2
B4	1 0 1	360	12574	0	2	− 3, 4, 8, 1	3, 4, 8, 1	1, 4, 2, 1	I_3,I_4,I_8,I_1	**2** : 2
C1	1 0 1	−92	326	1	2	+ 2, 5, 2, 1	2, 5, 2, 1	2, 5, 2, 1	I_2,I_5,I_2,I_1	**2** : 2
C2	1 0 1	−22	830	1	2	− 1, 10, 1, 2	1, 10, 1, 2	1, 10, 1, 2	I_1,I_{10},I_1,I_2	**2** : 1
D1	1 0 1	−162	−476	1	2	+ 4, 5, 4, 1	4, 5, 4, 1	2, 5, 4, 1	I_4,I_5,I_4,I_1	**2** : 2
D2	1 0 1	−1142	14420	1	4	+2, 10, 2, 2	2, 10, 2, 2	2, 10, 2, 2	I_2,I_{10},I_2,I_2	**2** : 1, 3, 4
D3	1 0 1	−18152	939764	1	2	+ 1, 5, 1, 4	1, 5, 1, 4	1, 5, 1, 2	I_1,I_5,I_1,I_4	**2** : 2
D4	1 0 1	188	46340	1	2	− 1, 20, 1, 1	1, 20, 1, 1	1, 20, 1, 1	I_1,I_{20},I_1,I_1	**2** : 2
E1	1 0 1	−7801	264524	0	6	+ 4, 9, 2, 1	4, 9, 2, 1	2, 9, 2, 1	I_4,I_9,I_2,I_1	**2** : 2; **3** : 3
E2	1 0 1	−7941	254500	0	6	+2, 18, 1, 2	2, 18, 1, 2	2, 18, 1, 2	I_2,I_{18},I_1,I_2	**2** : 1; **3** : 4
E3	1 0 1	−11176	13046	0	6	+12, 3, 6, 3	12, 3, 6, 3	2, 3, 6, 3	I_{12},I_3,I_6,I_3	**2** : 4; **3** : 1, 5
E4	1 0 1	−120936	−16143626	0	6	+ 6, 6, 3, 6	6, 6, 3, 6	2, 6, 3, 6	I_6,I_6,I_3,I_6	**2** : 3; **3** : 2, 6
E5	1 0 1	−611671	−184179718	0	2	+36, 1, 2, 1	36, 1, 2, 1	2, 1, 2, 1	I_{36},I_1,I_2,I_1	**2** : 6; **3** : 3
E6	1 0 1	−9786711	−11785100294	0	2	+18, 2, 1, 2	18, 2, 1, 2	2, 2, 1, 2	I_{18},I_2,I_1,I_2	**2** : 5; **3** : 4
F1	1 0 1	−39	−86	0	2	+ 8, 1, 2, 1	8, 1, 2, 1	2, 1, 2, 1	I_8,I_1,I_2,I_1	**2** : 2
F2	1 0 1	−599	−5686	0	2	+ 4, 2, 1, 2	4, 2, 1, 2	2, 2, 1, 2	I_4,I_2,I_1,I_2	**2** : 1
G1	1 1 1	−354	−2193	1	2	+10, 1, 2, 3	10, 1, 2, 3	10, 1, 2, 3	I_{10},I_1,I_2,I_3	**2** : 2
G2	1 1 1	766	−12049	1	2	− 5, 2, 1, 6	5, 2, 1, 6	5, 2, 1, 6	I_5,I_2,I_1,I_6	**2** : 1
H1	1 0 0	−1015	11561	1	2	+12, 7, 2, 1	12, 7, 2, 1	12, 7, 2, 1	I_{12},I_7,I_2,I_1	**2** : 2
H2	1 0 0	−3255	−57879	1	2	+6, 14, 1, 2	6, 14, 1, 2	6, 14, 1, 2	I_6,I_{14},I_1,I_2	**2** : 1
I1	1 0 0	3	−15	0	2	− 8, 1, 1, 1	8, 1, 1, 1	8, 1, 1, 1	I_8,I_1,I_1,I_1	**2** : 2
I2	1 0 0	−77	−255	0	4	+ 4, 2, 2, 2	4, 2, 2, 2	4, 2, 2, 2	I_4,I_2,I_2,I_2	**2** : 1, 3, 4
I3	1 0 0	−1217	−16443	0	2	+ 2, 1, 4, 1	2, 1, 4, 1	2, 1, 2, 1	I_2,I_1,I_4,I_1	**2** : 2
I4	1 0 0	−217	893	0	4	+ 2, 4, 1, 4	2, 4, 1, 4	2, 4, 1, 4	I_2,I_4,I_1,I_4	**2** : 2
799		$N = 799 = 17 \cdot 47$ (2 isogeny classes)								**799**
A1	1 1 1	−16	16	0	2	+ 1, 2	1, 2	1, 2	I_1,I_2	**2** : 2
A2	1 1 1	−251	1426	0	2	+ 2, 1	2, 1	2, 1	I_2,I_1	**2** : 1
B1	1 1 1	−118	418	1	2	+ 3, 2	3, 2	3, 2	I_3,I_2	**2** : 2
B2	1 1 1	−353	−2120	1	2	+ 6, 1	6, 1	6, 1	I_6,I_1	**2** : 1
800		$N = 800 = 2^5 \cdot 5^2$ (9 isogeny classes)								**800**
A1	0 0 0	−25	0	1	4	+ 6, 6	0, 0	2, 4	III,I_0^*	**2** : 2, 3, 4
A2	0 0 0	−275	−1750	1	2	+ 9, 6	0, 0	1, 2	I_0^*,I_0^*	**2** : 1
A3	0 0 0	−275	1750	1	2	+ 9, 6	0, 0	2, 2	I_0^*,I_0^*	**2** : 1
A4	0 0 0	100	0	1	2	− 12, 6	0, 0	2, 4	I_3^*,I_0^*	**2** : 1
B1	0 1 0	−8	8	1	1	− 9, 2	0, 0	2, 1	I_0^*,II	
C1	0 1 0	−158	−812	1	2	+ 6, 7	0, 1	2, 2	III,I_1^*	**2** : 2
C2	0 1 0	−33	−1937	1	2	− 12, 8	0, 2	4, 4	I_3^*,I_2^*	**2** : 1
D1	0 0 0	−125	0	0	2	+ 6, 9	0, 0	2, 2	III,III*	**2** : 2
D2	0 0 0	500	0	0	2	− 12, 9	0, 0	4, 2	I_3^*,III*	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
800					$N = 800 = 2^5 \cdot 5^2$ (continued)								**800**
E1	0	1	0	−208	−1412	0	1	−	9, 8	0, 0	1, 3	I_0^*,IV^*	
F1	0	−1	0	−8	−8	0	1	−	9, 2	0, 0	1, 1	I_0^*,II	
G1	0	−1	0	−158	812	0	2	+	6, 7	0, 1	2, 2	III,I_1^*	**2** : 2
G2	0	−1	0	−33	1937	0	2	−	12, 8	0, 2	2, 4	I_3^*,I_2^*	**2** : 1
H1	0	0	0	−5	0	1	2	+	6, 3	0, 0	2, 2	III,III	**2** : 2
H2	0	0	0	20	0	1	2	−	12, 3	0, 0	2, 2	I_3^*,III	**2** : 1
I1	0	−1	0	−208	1412	1	1	−	9, 8	0, 0	2, 3	I_0^*,IV^*	
801					$N = 801 = 3^2 \cdot 89$ (4 isogeny classes)								**801**
A1	0	0	1	−3972	−169349	0	1	−	23, 1	17, 1	2, 1	I_{17}^*,I_1	
B1	1	−1	1	−14	−12	0	2	+	6, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
B2	1	−1	1	31	−102	0	2	−	6, 2	0, 2	2, 2	I_0^*,I_2	**2** : 1
C1	0	0	1	−30	−90	1	1	−	9, 1	3, 1	4, 1	I_3^*,I_1	**3** : 2
C2	0	0	1	240	1233	1	3	−	7, 3	1, 3	4, 3	I_1^*,I_3	**3** : 1
D1	1	−1	0	−9	−14	1	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	
802					$N = 802 = 2 \cdot 401$ (2 isogeny classes)								**802**
A1	1	−1	1	2	−1	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	
B1	1	0	0	−9	−11	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
B2	1	0	0	−19	15	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
804					$N = 804 = 2^2 \cdot 3 \cdot 67$ (4 isogeny classes)								**804**
A1	0	−1	0	59	−122	0	2	−	4, 5, 2	0, 5, 2	3, 1, 2	IV,I_5,I_2	**2** : 2
A2	0	−1	0	−276	−792	0	2	+	8, 10, 1	0, 10, 1	3, 2, 1	IV^*,I_{10},I_1	**2** : 1
B1	0	−1	0	−1373	−19191	1	1	−	8, 10, 1	0, 10, 1	3, 2, 1	IV^*,I_{10},I_1	
C1	0	−1	0	−12	24	1	1	−	8, 1, 1	0, 1, 1	3, 1, 1	IV^*,I_1,I_1	
D1	0	1	0	84	36	1	1	−	8, 7, 1	0, 7, 1	3, 7, 1	IV^*,I_7,I_1	
805					$N = 805 = 5 \cdot 7 \cdot 23$ (4 isogeny classes)								**805**
A1	0	−1	1	23004	2393001	1	1	−	5, 11, 2	5, 11, 2	1, 1, 2	I_5,I_{11},I_2	
B1	1	−1	1	−163	−758	0	2	+	2, 3, 1	2, 3, 1	2, 1, 1	I_2,I_3,I_1	**2** : 2
B2	1	−1	1	−138	−1018	0	2	−	1, 6, 2	1, 6, 2	1, 2, 2	I_1,I_6,I_2	**2** : 1
C1	1	−1	1	2	2356	0	4	−	2, 3, 4	2, 3, 4	2, 1, 4	I_2,I_3,I_4	**2** : 2
C2	1	−1	1	−2643	52082	0	4	+	4, 6, 2	4, 6, 2	2, 2, 2	I_4,I_6,I_2	**2** : 1, 3, 4
C3	1	−1	1	−5518	−79018	0	2	+	2, 12, 1	2, 12, 1	2, 2, 1	I_2,I_{12},I_1	**2** : 2
C4	1	−1	1	−42088	3333906	0	2	+	8, 3, 1	8, 3, 1	2, 1, 1	I_8,I_3,I_1	**2** : 2
D1	0	0	1	−13	49	0	1	−	1, 3, 2	1, 3, 2	1, 1, 2	I_1,I_3,I_2	
806					$N = 806 = 2 \cdot 13 \cdot 31$ (6 isogeny classes)								**806**
A1	1	0	1	−3	30	1	1	−	5, 1, 2	5, 1, 2	1, 1, 2	I_5,I_1,I_2	
B1	1	1	0	52	−176	1	1	−	11, 1, 2	11, 1, 2	1, 1, 2	I_{11},I_1,I_2	
C1	1	0	0	−97	361	1	1	−	5, 1, 2	5, 1, 2	5, 1, 2	I_5,I_1,I_2	
D1	1	−1	1	318	−2367	1	1	−	11, 3, 2	11, 3, 2	11, 3, 2	I_{11},I_3,I_2	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

806 $N = 806 = 2 \cdot 13 \cdot 31$ (continued) 806

E1	1	0	0	2511	39401	0	3	−	27, 1, 2	27, 1, 2	27, 1, 2	I_{27},I_1,I_2	**3** : 2
E2	1	0	0	−25649	−2195479	0	3	−	9, 3, 6	9, 3, 6	9, 3, 6	I_9,I_3,I_6	**3** : 1, 3
E3	1	0	0	−2293609	−1337178239	0	1	−	3, 9, 2	3, 9, 2	3, 9, 2	I_3,I_9,I_2	**3** : 2
F1	1	1	1	−14105	638919	0	5	−	5, 5, 2	5, 5, 2	5, 5, 2	I_5,I_5,I_2	**5** : 2
F2	1	1	1	66885	2264179	0	1	−	1, 1, 10	1, 1, 10	1, 1, 10	I_1,I_1,I_{10}	**5** : 1

807 $N = 807 = 3 \cdot 269$ (1 isogeny class) 807

A1	0	1	1	−49	115	0	3	+	6, 1	6, 1	6, 1	I_6,I_1	**3** : 2
A2	0	1	1	−409	−3260	0	1	+	2, 3	2, 3	2, 1	I_2,I_3	**3** : 1

808 $N = 808 = 2^3 \cdot 101$ (2 isogeny classes) 808

A1	0	0	0	−11	−26	0	1	−	11, 1	0, 1	1, 1	II*,I_1	
B1	0	−1	0	−129	−523	0	1	+	8, 1	0, 1	2, 1	I_1^*,I_1	

810 $N = 810 = 2 \cdot 3^4 \cdot 5$ (8 isogeny classes) 810

A1	1	−1	0	−9	15	0	3	−	1, 4, 3	1, 0, 3	1, 1, 3	I_1,II,I_3	**3** : 2
A2	1	−1	0	66	−100	0	1	−	3, 12, 1	3, 0, 1	1, 1, 1	I_3,II*,I_1	**3** : 1
B1	1	−1	0	36	120	0	3	−	3, 4, 6	3, 0, 6	1, 1, 6	I_3,II,I_6	**3** : 2
B2	1	−1	0	−339	−4555	0	1	−	9, 12, 2	9, 0, 2	1, 1, 2	I_9,II*,I_2	**3** : 1
C1	1	−1	0	−114	−10252	0	3	−	5, 6, 9	5, 0, 9	1, 3, 9	I_5,IV,I_9	**3** : 2
C2	1	−1	0	−39489	−3010627	0	1	−	15, 10, 3	15, 0, 3	1, 3, 3	I_{15},IV*,I_3	**3** : 1
D1	1	−1	0	−24	80	1	3	−	4, 6, 3	4, 0, 3	2, 3, 3	I_4,IV,I_3	**3** : 2
D2	1	−1	0	201	−1315	1	1	−	12, 10, 1	12, 0, 1	2, 1, 1	I_{12},IV*,I_1	**3** : 1
E1	1	−1	1	7	1	0	3	−	3, 6, 1	3, 0, 1	3, 3, 1	I_3,IV,I_1	**3** : 2
E2	1	−1	1	−83	−323	0	1	−	1, 10, 3	1, 0, 3	1, 3, 1	I_1,IV*,I_3	**3** : 1
F1	1	−1	1	22	41	0	3	−	12, 4, 1	12, 0, 1	12, 1, 1	I_{12},II,I_1	**3** : 2
F2	1	−1	1	−218	−1943	0	1	−	4, 12, 3	4, 0, 3	4, 1, 1	I_4,II*,I_3	**3** : 1
G1	1	−1	1	−4388	112967	0	3	−	15, 4, 3	15, 0, 3	15, 1, 1	I_{15},II,I_3	**3** : 2
G2	1	−1	1	−1028	277831	0	1	−	5, 12, 9	5, 0, 9	5, 1, 1	I_5,II*,I_9	**3** : 1
H1	1	−1	1	−38	181	1	3	−	9, 6, 2	9, 0, 2	9, 3, 2	I_9,IV,I_2	**3** : 2
H2	1	−1	1	322	−3563	1	1	−	3, 10, 6	3, 0, 6	3, 1, 2	I_3,IV*,I_6	**3** : 1

811 $N = 811 = 811$ (1 isogeny class) 811

A1	0	0	1	−2	−2	1	1	−	1	1	1	I_1	

812 $N = 812 = 2^2 \cdot 7 \cdot 29$ (2 isogeny classes) 812

A1	0	0	0	−40	−124	0	1	−	8, 3, 1	0, 3, 1	3, 1, 1	IV*,I_3,I_1	
B1	0	−1	0	−36	232	1	1	−	8, 4, 1	0, 4, 1	3, 4, 1	IV*,I_4,I_1	

813 $N = 813 = 3 \cdot 271$ (2 isogeny classes) 813

A1	0	1	1	−2	−1	0	1	+	1, 1	1, 1	1, 1	I_1,I_1	
B1	0	1	1	−73	190	1	3	+	9, 1	9, 1	9, 1	I_9,I_1	**3** : 2
B2	0	1	1	−1423	−21113	1	3	+	3, 3	3, 3	3, 3	I_3,I_3	**3** : 1, 3
B3	0	1	1	−115243	−15096572	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	**3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
814							$N = 814 = 2 \cdot 11 \cdot 37$ (2 isogeny classes)						**814**
A1	1	0	1	5	30	1	3	−	3, 3, 1	3, 3, 1	1, 3, 1	I_3,I_3,I_1	**3** : 2
A2	1	0	1	−50	−828	1	1	−	9, 1, 3	9, 1, 3	1, 1, 3	I_9,I_1,I_3	**3** : 1
B1	1	−1	1	−28	63	1	1	−	5, 1, 1	5, 1, 1	5, 1, 1	I_5,I_1,I_1	
815							$N = 815 = 5 \cdot 163$ (1 isogeny class)						**815**
A1	0	1	1	15	−69	1	3	−	6, 1	6, 1	6, 1	I_6,I_1	**3** : 2
A2	0	1	1	−985	−12244	1	1	−	2, 3	2, 3	2, 3	I_2,I_3	**3** : 1
816							$N = 816 = 2^4 \cdot 3 \cdot 17$ (10 isogeny classes)						**816**
A1	0	−1	0	−48	144	1	2	+	10, 2, 1	0, 2, 1	4, 2, 1	I_2^*,I_2,I_1	**2** : 2
A2	0	−1	0	−8	336	1	2	−	11, 4, 2	0, 4, 2	2, 2, 2	I_3^*,I_4,I_2	**2** : 1
B1	0	−1	0	−52	−128	0	2	+	8, 2, 1	0, 2, 1	2, 2, 1	I_0^*,I_2,I_1	**2** : 2
B2	0	−1	0	−72	0	0	4	+	10, 4, 2	0, 4, 2	4, 2, 2	I_2^*,I_4,I_2	**2** : 1, 3, 4
B3	0	−1	0	−752	8160	0	2	+	11, 8, 1	0, 8, 1	2, 2, 1	I_3^*,I_8,I_1	**2** : 2
B4	0	−1	0	288	−288	0	4	−	11, 2, 4	0, 2, 4	4, 2, 4	I_3^*,I_2,I_4	**2** : 2
C1	0	−1	0	−17	−51	0	1	−	8, 5, 1	0, 5, 1	1, 1, 1	I_0^*,I_5,I_1	
D1	0	1	0	511	1899	0	1	−	8, 3, 5	0, 3, 5	1, 3, 1	I_0^*,I_3,I_5	
E1	0	−1	0	−4088	−99216	0	2	+	18, 6, 1	6, 6, 1	4, 2, 1	I_{10}^*,I_6,I_1	**2** : 2; **3** : 3
E2	0	−1	0	−3448	−131984	0	2	−	15, 12, 2	3, 12, 2	4, 2, 2	I_7^*,I_{12},I_2	**2** : 1; **3** : 4
E3	0	−1	0	−12008	386928	0	2	+	30, 2, 3	18, 2, 3	4, 2, 1	I_{22}^*,I_2,I_3	**2** : 4; **3** : 1
E4	0	−1	0	28952	2418544	0	2	−	21, 4, 6	9, 4, 6	4, 2, 2	I_{13}^*,I_4,I_6	**2** : 3; **3** : 2
F1	0	−1	0	11	61	0	1	−	12, 3, 1	0, 3, 1	1, 1, 1	II*,I_3,I_1	**3** : 2
F2	0	−1	0	−949	11581	0	1	−	12, 1, 3	0, 1, 3	1, 1, 1	II*,I_1,I_3	**3** : 1
G1	0	−1	0	−5	9	1	1	−	8, 1, 1	0, 1, 1	2, 1, 1	I_0^*,I_1,I_1	
H1	0	−1	0	−544	−4352	1	2	+	20, 4, 1	8, 4, 1	4, 2, 1	I_{12}^*,I_4,I_1	**2** : 2
H2	0	−1	0	−1824	25344	1	4	+	16, 8, 2	4, 8, 2	4, 2, 2	I_8^*,I_8,I_2	**2** : 1, 3, 4
H3	0	−1	0	−27744	1787904	1	8	+	14, 4, 4	2, 4, 4	4, 2, 4	I_6^*,I_4,I_4	**2** : 2, 5, 6
H4	0	−1	0	3616	142848	1	2	−	14, 16, 1	2, 16, 1	2, 2, 1	I_6^*,I_{16},I_1	**2** : 2
H5	0	−1	0	−443904	113984640	1	4	+	13, 2, 2	1, 2, 2	4, 2, 2	I_5^*,I_2,I_2	**2** : 3
H6	0	−1	0	−26304	1980288	1	4	−	13, 2, 8	1, 2, 8	2, 2, 8	I_5^*,I_2,I_8	**2** : 3
I1	0	1	0	−1621	24623	1	1	−	8, 11, 1	0, 11, 1	2, 11, 1	I_0^*,I_{11},I_1	
J1	0	1	0	−40	−76	1	2	+	14, 2, 1	2, 2, 1	4, 2, 1	I_6^*,I_2,I_1	**2** : 2
J2	0	1	0	120	−396	1	2	−	13, 4, 2	1, 4, 2	4, 4, 2	I_5^*,I_4,I_2	**2** : 1
817							$N = 817 = 19 \cdot 43$ (2 isogeny classes)						**817**
A1	0	1	1	1	6	2	1	−	2, 1	2, 1	2, 1	I_2,I_1	
B1	0	1	1	−16649	821406	1	1	−	2, 5	2, 5	2, 5	I_2,I_5	
819							$N = 819 = 3^2 \cdot 7 \cdot 13$ (6 isogeny classes)						**819**
A1	1	−1	0	−42	−73	1	2	+	9, 1, 1	0, 1, 1	2, 1, 1	III*,I_1,I_1	**2** : 2
A2	1	−1	0	93	−532	1	2	−	9, 2, 2	0, 2, 2	2, 2, 2	III*,I_2,I_2	**2** : 1
B1	1	−1	1	−5	4	1	2	+	3, 1, 1	0, 1, 1	2, 1, 1	III,I_1,I_1	**2** : 2
B2	1	−1	1	10	16	1	2	−	3, 2, 2	0, 2, 2	2, 2, 2	III,I_2,I_2	**2** : 1
C1	0	0	1	9	−7	0	1	−	6, 1, 1	0, 1, 1	2, 1, 1	I_0^*,I_1,I_1	
D1	0	0	1	22857	4273542	0	1	−	14, 7, 3	8, 7, 3	2, 1, 1	I_8^*,I_7,I_3	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
819				$N = 819 = 3^2 \cdot 7 \cdot 13$ (continued)								**819**
E1	0	0	1	−66	−207	0	1	− 6, 1, 1	0, 1, 1	2, 1, 1	I_0^*,I_1,I_1	**3** : 2
E2	0	0	1	114	−1026	0	3	− 6, 3, 3	0, 3, 3	2, 3, 3	I_0^*,I_3,I_3	**3** : 1, 3
E3	0	0	1	−1056	32553	0	3	− 6, 9, 1	0, 9, 1	2, 9, 1	I_0^*,I_9,I_1	**3** : 2
F1	0	0	1	−237	−1607	0	1	− 10, 3, 1	4, 3, 1	2, 3, 1	I_4^*,I_3,I_1	
822				$N = 822 = 2 \cdot 3 \cdot 137$ (6 isogeny classes)								**822**
A1	1	1	0	−3	−9	1	1	− 1, 4, 1	1, 4, 1	1, 2, 1	I_1,I_4,I_1	
B1	1	0	1	−18716	−987046	0	2	+ 10, 8, 1	10, 8, 1	2, 8, 1	I_{10},I_8,I_1	**2** : 2
B2	1	0	1	−18556	−1004710	0	2	− 5, 16, 2	5, 16, 2	1, 16, 2	I_5,I_{16},I_2	**2** : 1
C1	1	0	1	−1122	14548	0	3	− 5, 12, 1	5, 12, 1	1, 12, 1	I_5,I_{12},I_1	**3** : 2
C2	1	0	1	4143	72868	0	1	− 15, 4, 3	15, 4, 3	1, 4, 1	I_{15},I_4,I_3	**3** : 1
D1	1	0	1	31	20	1	1	− 6, 5, 1	6, 5, 1	2, 5, 1	I_6,I_5,I_1	
E1	1	0	0	−47	57	0	4	+ 12, 2, 1	12, 2, 1	12, 2, 1	I_{12},I_2,I_1	**2** : 2
E2	1	0	0	−367	−2695	0	4	+ 6, 4, 2	6, 4, 2	6, 4, 2	I_6,I_4,I_2	**2** : 1, 3, 4
E3	1	0	0	−5847	−172575	0	2	+ 3, 8, 1	3, 8, 1	3, 8, 1	I_3,I_8,I_1	**2** : 2
E4	1	0	0	−7	−7663	0	2	− 3, 2, 4	3, 2, 4	3, 2, 4	I_3,I_2,I_4	**2** : 2
F1	1	0	0	−4	−4	0	1	− 2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	
825				$N = 825 = 3 \cdot 5^2 \cdot 11$ (3 isogeny classes)								**825**
A1	0	−1	1	−23	53	1	1	− 3, 2, 2	3, 0, 2	1, 1, 2	I_3,II,I_2	**3** : 2
A2	0	−1	1	127	38	1	1	− 1, 2, 6	1, 0, 6	1, 1, 2	I_1,II,I_6	**3** : 1
B1	1	0	0	−163	−808	1	2	+ 3, 6, 1	3, 0, 1	3, 2, 1	I_3,I_0^*,I_1	**2** : 2
B2	1	0	0	−288	567	1	4	+ 6, 6, 2	6, 0, 2	6, 4, 2	I_6,I_0^*,I_2	**2** : 1, 3, 4
B3	1	0	0	−3663	84942	1	2	+ 3, 6, 4	3, 0, 4	3, 2, 4	I_3,I_0^*,I_4	**2** : 2
B4	1	0	0	1087	4692	1	2	− 12, 6, 1	12, 0, 1	12, 4, 1	I_{12},I_0^*,I_1	**2** : 2
C1	0	1	1	−583	5494	1	3	− 3, 8, 2	3, 0, 2	3, 3, 2	I_3,IV^*,I_2	**3** : 2
C2	0	1	1	3167	11119	1	1	− 1, 8, 6	1, 0, 6	1, 1, 2	I_1,IV^*,I_6	**3** : 1
826				$N = 826 = 2 \cdot 7 \cdot 59$ (2 isogeny classes)								**826**
A1	1	1	0	21	−49	0	1	− 1, 5, 1	1, 5, 1	1, 1, 1	I_1,I_5,I_1	
B1	1	1	0	−136	−672	0	1	− 5, 3, 1	5, 3, 1	1, 3, 1	I_5,I_3,I_1	
827				$N = 827 = 827$ (1 isogeny class)								**827**
A1	0	0	1	−10	12	1	1	− 1	1	1	I_1	
828				$N = 828 = 2^2 \cdot 3^2 \cdot 23$ (4 isogeny classes)								**828**
A1	0	0	0	−24	45	0	2	+ 4, 3, 1	0, 0, 1	1, 2, 1	IV,III,I_1	**2** : 2
A2	0	0	0	−39	−18	0	2	+ 8, 3, 2	0, 0, 2	1, 2, 2	IV^*,III,I_2	**2** : 1
B1	0	0	0	−216	−1215	1	2	+ 4, 9, 1	0, 0, 1	3, 2, 1	IV,III^*,I_1	**2** : 2
B2	0	0	0	−351	486	1	2	+ 8, 9, 2	0, 0, 2	3, 2, 2	IV^*,III^*,I_2	**2** : 1
C1	0	0	0	−9	−27	1	1	− 4, 6, 1	0, 0, 1	1, 1, 1	IV,I_0^*,I_1	
D1	0	0	0	15	−11	0	1	− 4, 6, 1	0, 0, 1	1, 1, 1	IV,I_0^*,I_1	**3** : 2
D2	0	0	0	−165	997	0	3	− 4, 6, 3	0, 0, 3	3, 1, 3	IV,I_0^*,I_3	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

829 $N = 829 = 829$ (1 isogeny class) 829

A1	0	0	1	−4	−3	1	1	+	1	1	1	I_1	

830 $N = 830 = 2 \cdot 5 \cdot 83$ (3 isogeny classes) 830

A1	1	0	1	37	−62	0	3	−	2, 6, 1	2, 6, 1	2, 6, 1	I_2,I_6,I_1	**3** : 2
A2	1	0	1	−838	−9512	0	1	−	6, 2, 3	6, 2, 3	2, 2, 1	I_6,I_2,I_3	**3** : 1
B1	1	1	1	−11185	456015	1	1	−	16, 8, 1	16, 8, 1	16, 8, 1	I_{16},I_8,I_1	
C1	1	−1	1	3	69	1	1	−	10, 2, 1	10, 2, 1	10, 2, 1	I_{10},I_2,I_1	

831 $N = 831 = 3 \cdot 277$ (1 isogeny class) 831

A1	1	0	0	−68	285	1	1	−	10, 1	10, 1	10, 1	I_{10},I_1	

832 $N = 832 = 2^6 \cdot 13$ (10 isogeny classes) 832

A1	0	1	0	−1	31	1	1	−	15, 1	0, 1	4, 1	I_5^*,I_1	
B1	0	−1	0	−1	−31	1	1	−	15, 1	0, 1	4, 1	I_5^*,I_1	
C1	0	−1	0	31	97	1	1	−	19, 1	1, 1	4, 1	I_9^*,I_1	**3** : 2
C2	0	−1	0	−289	−3679	1	1	−	21, 3	3, 3	4, 1	I_{11}^*,I_3	**3** : 1, 3
C3	0	−1	0	−29409	−1931423	1	1	−	27, 1	9, 1	4, 1	I_{17}^*,I_1	**3** : 2
D1	0	0	0	−16	−24	0	2	+	10, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
D2	0	0	0	4	−80	0	2	−	14, 2	0, 2	2, 2	I_4^*,I_2	**2** : 1
E1	0	−1	0	−65	−191	0	1	−	17, 1	0, 1	2, 1	I_7^*,I_1	
F1	0	0	0	−172	1328	0	1	−	25, 1	7, 1	2, 1	I_{15}^*,I_1	**7** : 2
F2	0	0	0	−13612	−670672	0	1	−	19, 7	1, 7	2, 7	I_9^*,I_7	**7** : 1
G1	0	1	0	31	−97	0	1	−	19, 1	1, 1	2, 1	I_9^*,I_1	**3** : 2
G2	0	1	0	−289	3679	0	1	−	21, 3	3, 3	2, 1	I_{11}^*,I_3	**3** : 1, 3
G3	0	1	0	−29409	1931423	0	1	−	27, 1	9, 1	2, 1	I_{17}^*,I_1	**3** : 2
H1	0	0	0	−16	24	1	2	+	10, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
H2	0	0	0	4	80	1	2	−	14, 2	0, 2	4, 2	I_4^*,I_2	**2** : 1
I1	0	1	0	−65	191	1	1	−	17, 1	0, 1	4, 1	I_7^*,I_1	
J1	0	0	0	−172	−1328	1	1	−	25, 1	7, 1	4, 1	I_{15}^*,I_1	**7** : 2
J2	0	0	0	−13612	670672	1	1	−	19, 7	1, 7	4, 7	I_9^*,I_7	**7** : 1

833 $N = 833 = 7^2 \cdot 17$ (1 isogeny class) 833

A1	1	−1	1	−34	−24	0	2	+	6, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
A2	1	−1	1	−279	1838	0	4	+	6, 2	0, 2	4, 2	I_0^*,I_2	**2** : 1, 3, 4
A3	1	−1	1	−4444	115126	0	2	+	6, 1	0, 1	2, 1	I_0^*,I_1	**2** : 2
A4	1	−1	1	−34	4778	0	2	−	6, 4	0, 4	2, 2	I_0^*,I_4	**2** : 2

834 $N = 834 = 2 \cdot 3 \cdot 139$ (7 isogeny classes) 834

A1	1	0	1	−11795	−233746	0	2	+	28, 7, 1	28, 7, 1	2, 7, 1	I_{28},I_7,I_1	**2** : 2
A2	1	0	1	−93715	10874606	0	4	+	14, 14, 2	14, 14, 2	2, 14, 2	I_{14},I_{14},I_2	**2** : 1, 3, 4
A3	1	0	1	−1493395	702316526	0	2	+	7, 7, 4	7, 7, 4	1, 7, 2	I_7,I_7,I_4	**2** : 2
A4	1	0	1	−4755	30694894	0	2	−	7, 28, 1	7, 28, 1	1, 28, 1	I_7,I_{28},I_1	**2** : 2
B1	1	0	1	−60	−182	0	1	−	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	
C1	1	0	1	0	10	1	1	−	2, 4, 1	2, 4, 1	2, 4, 1	I_2,I_4,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

834 $N = 834 = 2 \cdot 3 \cdot 139$ (continued) 834

D1	1	1	1	−8	5	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
D2	1	1	1	2	29	0	2	−	1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
E1	1	1	1	2	−1	1	1	−	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	
F1	1	1	1	−1027	12257	1	1	−	14, 4, 1	14, 4, 1	14, 2, 1	I_{14},I_4,I_1	
G1	1	0	0	−70	356	1	5	−	10, 5, 1	10, 5, 1	10, 5, 1	I_{10},I_5,I_1	**5** : 2
G2	1	0	0	−1090	−40504	1	1	−	2, 1, 5	2, 1, 5	2, 1, 1	I_2,I_1,I_5	**5** : 1

836 $N = 836 = 2^2 \cdot 11 \cdot 19$ (2 isogeny classes) 836

A1	0	−1	0	−5	−47	1	1	−	8, 1, 2	0, 1, 2	1, 1, 2	IV*,I_1,I_2	
B1	0	−1	0	3	−10	0	2	−	4, 2, 1	0, 2, 1	3, 2, 1	IV,I_2,I_1	**2** : 2
B2	0	−1	0	−52	−120	0	2	+	8, 1, 2	0, 1, 2	3, 1, 2	IV*,I_1,I_2	**2** : 1

840 $N = 840 = 2^3 \cdot 3 \cdot 5 \cdot 7$ (10 isogeny classes) 840

A1	0	−1	0	−316	−2060	1	2	+	8, 3, 1, 1	0, 3, 1, 1	2, 1, 1, 1	I_1^*,I_3,I_1,I_1	**2** : 2
A2	0	−1	0	−336	−1764	1	4	+	10, 6, 2, 2	0, 6, 2, 2	2, 2, 2, 2	III*,I_6,I_2,I_2	**2** : 1, 3, 4
A3	0	−1	0	−1736	26796	1	2	+	11, 12, 1, 1	0, 12, 1, 1	1, 2, 1, 1	II*,I_{12},I_1,I_1	**2** : 2
A4	0	−1	0	744	−11700	1	2	−	11, 3, 4, 4	0, 3, 4, 4	1, 1, 2, 2	II*,I_3,I_4,I_4	**2** : 2
B1	0	−1	0	9	−84	0	4	−	4, 1, 2, 4	0, 1, 2, 4	2, 1, 2, 4	III,I_1,I_2,I_4	**2** : 2
B2	0	−1	0	−236	−1260	0	4	+	8, 2, 4, 2	0, 2, 4, 2	2, 2, 2, 2	I_1^*,I_2,I_4,I_2	**2** : 1, 3, 4
B3	0	−1	0	−3736	−86660	0	2	+	10, 4, 2, 1	0, 4, 2, 1	2, 2, 2, 1	III*,I_4,I_2,I_1	**2** : 2
B4	0	−1	0	−656	4956	0	2	+	10, 1, 8, 1	0, 1, 8, 1	2, 1, 2, 1	III*,I_1,I_8,I_1	**2** : 2
C1	0	−1	0	−15	12	0	4	+	4, 1, 4, 1	0, 1, 4, 1	2, 1, 4, 1	III,I_1,I_4,I_1	**2** : 2
C2	0	−1	0	−140	−588	0	4	+	8, 2, 2, 2	0, 2, 2, 2	2, 2, 2, 2	I_1^*,I_2,I_2,I_2	**2** : 1, 3, 4
C3	0	−1	0	−2240	−40068	0	2	+	10, 1, 1, 1	0, 1, 1, 1	2, 1, 1, 1	III*,I_1,I_1,I_1	**2** : 2
C4	0	−1	0	−40	−1508	0	2	−	10, 4, 1, 4	0, 4, 1, 4	2, 2, 1, 2	III*,I_4,I_1,I_4	**2** : 2
D1	0	1	0	−27991	−1811530	0	2	+	4, 5, 8, 3	0, 5, 8, 3	2, 5, 2, 1	III,I_5,I_8,I_3	**2** : 2
D2	0	1	0	−31116	−1385280	0	4	+	8, 10, 4, 6	0, 10, 4, 6	2, 10, 2, 2	I_1^*,I_{10},I_4,I_6	**2** : 1, 3, 4
D3	0	1	0	−202616	34012320	0	4	+	10, 20, 2, 3	0, 20, 2, 3	2, 20, 2, 1	III*,I_{20},I_2,I_3	**2** : 2
D4	0	1	0	90384	−9452880	0	2	−	10, 5, 2, 12	0, 5, 2, 12	2, 5, 2, 2	III*,I_5,I_2,I_{12}	**2** : 2
E1	0	−1	0	9	0	1	2	−	4, 4, 1, 1	0, 4, 1, 1	2, 2, 1, 1	III,I_4,I_1,I_1	**2** : 2
E2	0	−1	0	−36	36	1	4	+	8, 2, 2, 2	0, 2, 2, 2	4, 2, 2, 2	I_1^*,I_2,I_2,I_2	**2** : 1, 3, 4
E3	0	−1	0	−336	−2244	1	2	+	10, 1, 1, 4	0, 1, 1, 4	2, 1, 1, 4	III*,I_1,I_1,I_4	**2** : 2
E4	0	−1	0	−456	3900	1	2	+	10, 1, 4, 1	0, 1, 4, 1	2, 1, 2, 1	III*,I_1,I_4,I_1	**2** : 2
F1	0	−1	0	−175	952	1	4	+	4, 1, 2, 1	0, 1, 2, 1	2, 1, 2, 1	III,I_1,I_2,I_1	**2** : 2
F2	0	−1	0	−180	900	1	8	+	8, 2, 4, 2	0, 2, 4, 2	4, 2, 4, 2	I_1^*,I_2,I_4,I_2	**2** : 1, 3, 4
F3	0	−1	0	−680	−5700	1	4	+	10, 4, 2, 4	0, 4, 2, 4	2, 2, 2, 2	III*,I_4,I_2,I_4	**2** : 2, 5, 6
F4	0	−1	0	240	4092	1	4	−	10, 1, 8, 1	0, 1, 8, 1	2, 1, 8, 1	III*,I_1,I_8,I_1	**2** : 2
F5	0	−1	0	−10480	−409460	1	2	+	11, 8, 1, 2	0, 8, 1, 2	1, 2, 1, 2	II*,I_8,I_1,I_2	**2** : 3
F6	0	−1	0	1120	−32340	1	2	−	11, 2, 1, 8	0, 2, 1, 8	1, 2, 1, 2	II*,I_2,I_1,I_8	**2** : 3
G1	0	−1	0	−735	7920	0	4	+	4, 2, 1, 2	0, 2, 1, 2	2, 2, 1, 2	III,I_2,I_1,I_2	**2** : 2
G2	0	−1	0	−740	7812	0	8	+	8, 4, 2, 4	0, 4, 2, 4	4, 2, 2, 4	I_1^*,I_4,I_2,I_4	**2** : 1, 3, 4
G3	0	−1	0	−1720	−16100	0	4	+	10, 8, 4, 2	0, 8, 4, 2	2, 2, 4, 2	III*,I_8,I_4,I_2	**2** : 2, 5, 6
G4	0	−1	0	160	24732	0	4	−	10, 2, 1, 8	0, 2, 1, 8	2, 2, 1, 8	III*,I_2,I_1,I_8	**2** : 2
G5	0	−1	0	−24400	−1458548	0	2	+	11, 4, 8, 1	0, 4, 8, 1	1, 2, 8, 1	II*,I_4,I_8,I_1	**2** : 3
G6	0	−1	0	5280	−119700	0	2	−	11, 16, 2, 1	0, 16, 2, 1	1, 2, 2, 1	II*,I_{16},I_2,I_1	**2** : 3

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
840					$N = 840 = 2^3 \cdot 3 \cdot 5 \cdot 7$ (continued)								**840**
H1	0	1	0	−71	−246	1	2	+	4, 3, 4, 1	0, 3, 4, 1	2, 3, 2, 1	III,I_3,I_4,I_1	**2** : 2
H2	0	1	0	−196	704	1	4	+	8, 6, 2, 2	0, 6, 2, 2	4, 6, 2, 2	I_1^*,I_6,I_2,I_2	**2** : 1, 3, 4
H3	0	1	0	−2896	59024	1	2	+	10, 3, 1, 4	0, 3, 1, 4	2, 3, 1, 2	III*,I_3,I_1,I_4	**2** : 2
H4	0	1	0	504	5184	1	2	−	10, 12, 1, 1	0, 12, 1, 1	2, 12, 1, 1	III*,I_{12},I_1,I_1	**2** : 2
I1	0	1	0	−36	−96	0	2	+	8, 1, 1, 1	0, 1, 1, 1	4, 1, 1, 1	I_1^*,I_1,I_1,I_1	**2** : 2
I2	0	1	0	−56	0	0	4	+	10, 2, 2, 2	0, 2, 2, 2	2, 2, 2, 2	III*,I_2,I_2,I_2	**2** : 1, 3, 4
I3	0	1	0	−656	6240	0	2	+	11, 1, 1, 4	0, 1, 1, 4	1, 1, 1, 4	II*,I_1,I_1,I_4	**2** : 2
I4	0	1	0	224	224	0	2	−	11, 4, 4, 1	0, 4, 4, 1	1, 4, 2, 1	II*,I_4,I_4,I_1	**2** : 2
J1	0	1	0	−15	90	0	4	−	4, 8, 1, 1	0, 8, 1, 1	2, 8, 1, 1	III,I_8,I_1,I_1	**2** : 2
J2	0	1	0	−420	3168	0	8	+	8, 4, 2, 2	0, 4, 2, 2	4, 4, 2, 2	I_1^*,I_4,I_2,I_2	**2** : 1, 3, 4
J3	0	1	0	−600	0	0	4	+	10, 2, 4, 4	0, 2, 4, 4	2, 2, 4, 2	III*,I_2,I_4,I_4	**2** : 2, 5, 6
J4	0	1	0	−6720	209808	0	4	+	10, 2, 1, 1	0, 2, 1, 1	2, 2, 1, 1	III*,I_2,I_1,I_1	**2** : 2
J5	0	1	0	−6480	−202272	0	2	+	11, 1, 8, 2	0, 1, 8, 2	1, 1, 8, 2	II*,I_1,I_8,I_2	**2** : 3
J6	0	1	0	2400	2400	0	2	−	11, 1, 2, 8	0, 1, 2, 8	1, 1, 2, 2	II*,I_1,I_2,I_8	**2** : 3
842					$N = 842 = 2 \cdot 421$ (2 isogeny classes)								**842**
A1	1	0	1	−10	−12	1	1	+	3, 1	3, 1	1, 1	I_3,I_1	
B1	1	0	0	−59	145	1	1	+	13, 1	13, 1	13, 1	I_{13},I_1	
843					$N = 843 = 3 \cdot 281$ (1 isogeny class)								**843**
A1	1	1	0	5	4	1	1	−	3, 1	3, 1	1, 1	I_3,I_1	
845					$N = 845 = 5 \cdot 13^2$ (1 isogeny class)								**845**
A1	1	0	1	−173	171	0	2	+	1, 7	1, 1	1, 4	I_1,I_1^*	**2** : 2
A2	1	0	1	672	1523	0	2	−	2, 8	2, 2	2, 4	I_2,I_2^*	**2** : 1
846					$N = 846 = 2 \cdot 3^2 \cdot 47$ (3 isogeny classes)								**846**
A1	1	−1	0	−135	−707	0	2	−	8, 8, 1	8, 2, 1	2, 4, 1	I_8,I_2^*,I_1	**2** : 2
A2	1	−1	0	−2295	−41747	0	2	+	4, 7, 2	4, 1, 2	2, 2, 2	I_4,I_1^*,I_2	**2** : 1
B1	1	−1	0	3	17	1	2	−	2, 6, 1	2, 0, 1	2, 4, 1	I_2,I_0^*,I_1	**2** : 2
B2	1	−1	0	−87	323	1	2	+	1, 6, 2	1, 0, 2	1, 2, 2	I_1,I_0^*,I_2	**2** : 1
C1	1	−1	0	522	2164	1	2	−	12, 10, 1	12, 4, 1	2, 4, 1	I_{12},I_4^*,I_1	**2** : 2
C2	1	−1	0	−2358	20020	1	4	+	6, 14, 2	6, 8, 2	2, 4, 2	I_6,I_8^*,I_2	**2** : 1, 3, 4
C3	1	−1	0	−19278	−1012100	1	2	+	3, 22, 1	3, 16, 1	1, 4, 1	I_3,I_{16}^*,I_1	**2** : 2
C4	1	−1	0	−31518	2160364	1	2	+	3, 10, 4	3, 4, 4	1, 2, 4	I_3,I_4^*,I_4	**2** : 2
847					$N = 847 = 7 \cdot 11^2$ (3 isogeny classes)								**847**
A1	0	1	1	−10809	−436166	0	1	−	2, 7	2, 1	2, 4	I_2,I_1^*	**3** : 2
A2	0	1	1	−5969	−822761	0	1	−	6, 9	6, 3	2, 4	I_6,I_3^*	**3** : 1, 3
A3	0	1	1	53321	21262764	0	1	−	2, 15	2, 9	2, 4	I_2,I_9^*	**3** : 2
B1	0	0	1	242	−333	1	1	−	2, 7	2, 1	2, 4	I_2,I_1^*	
C1	1	1	1	421	−12440	1	2	−	3, 8	3, 2	3, 4	I_3,I_2^*	**2** : 2
C2	1	1	1	−6234	−177484	1	2	+	6, 7	6, 1	6, 4	I_6,I_1^*	**2** : 1
848					$N = 848 = 2^4 \cdot 53$ (7 isogeny classes)								**848**
A1	0	1	0	−120	−556	0	1	−	16, 1	4, 1	2, 1	I_8^*,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
848					$N = 848 = 2^4 \cdot 53$ (continued)								**848**
B1	0	−1	0	−4528	150464	0	1	−	36, 1	24, 1	2, 1	I_{28}^*,I_1	**3** : 2
B2	0	−1	0	−393648	95194048	0	1	−	20, 3	8, 3	2, 1	I_{12}^*,I_3	**3** : 1
C1	0	−1	0	16	−64	0	1	−	15, 1	3, 1	2, 1	I_7^*,I_1	**3** : 2
C2	0	−1	0	−144	1856	0	1	−	13, 3	1, 3	2, 1	I_5^*,I_3	**3** : 1
D1	0	1	0	−12	40	0	2	−	8, 2	0, 2	1, 2	I_0^*,I_2	**2** : 2
D2	0	1	0	−17	22	0	2	+	4, 1	0, 1	1, 1	II,I_1	**2** : 1
E1	0	0	0	5	−22	0	1	−	12, 1	0, 1	2, 1	I_4^*,I_1	
F1	0	1	0	−4	−8	1	1	−	8, 1	0, 1	1, 1	I_0^*,I_1	
G1	0	1	0	−440	3412	1	1	−	17, 1	5, 1	4, 1	I_9^*,I_1	
849					$N = 849 = 3 \cdot 283$ (1 isogeny class)								**849**
A1	1	1	1	5	−4	1	1	−	4, 1	4, 1	2, 1	I_4,I_1	
850					$N = 850 = 2 \cdot 5^2 \cdot 17$ (12 isogeny classes)								**850**
A1	1	1	0	9975	−114875	0	1	−	21, 9, 1	21, 3, 1	1, 2, 1	I_{21},I_3^*,I_1	**3** : 2
A2	1	1	0	−166025	−26946875	0	1	−	7, 15, 3	7, 9, 3	1, 2, 3	I_7,I_9^*,I_3	**3** : 1
B1	1	1	0	−75	125	0	2	+	6, 6, 1	6, 0, 1	2, 2, 1	I_6,I_0^*,I_1	**2** : 2; **3** : 3
B2	1	1	0	−1075	13125	0	2	+	3, 6, 2	3, 0, 2	1, 2, 2	I_3,I_0^*,I_2	**2** : 1; **3** : 4
B3	1	1	0	−2575	−51375	0	2	+	2, 6, 3	2, 0, 3	2, 2, 3	I_2,I_0^*,I_3	**2** : 4; **3** : 1
B4	1	1	0	−2825	−41125	0	2	+	1, 6, 6	1, 0, 6	1, 2, 6	I_1,I_0^*,I_6	**2** : 3; **3** : 2
C1	1	0	1	−451	4798	1	1	−	7, 9, 1	7, 0, 1	1, 2, 1	I_7,III*,I_1	
D1	1	0	1	33924	−387702	1	1	−	4, 8, 7	4, 0, 7	2, 1, 7	I_4,IV*,I_7	
E1	1	−1	0	8	16	1	1	−	4, 4, 1	4, 0, 1	2, 3, 1	I_4,IV,I_1	
F1	1	1	1	1357	−2559	0	1	−	4, 2, 7	4, 0, 7	4, 1, 1	I_4,II,I_7	
G1	1	1	1	−188	781	0	2	+	4, 8, 1	4, 2, 1	4, 2, 1	I_4,I_2^*,I_1	**2** : 2
G2	1	1	1	312	4781	0	2	−	2, 10, 2	2, 4, 2	2, 4, 2	I_2,I_4^*,I_2	**2** : 1
H1	1	1	1	−63838	6181531	0	2	+	8, 8, 3	8, 2, 3	8, 2, 1	I_8,I_2^*,I_3	**2** : 2; **3** : 3
H2	1	1	1	−61838	6589531	0	2	−	4, 10, 6	4, 4, 6	4, 4, 2	I_4,I_4^*,I_6	**2** : 1; **3** : 4
H3	1	1	1	−104213	−2590469	0	2	+	24, 12, 1	24, 6, 1	24, 2, 1	I_{24},I_6^*,I_1	**2** : 4; **3** : 1
H4	1	1	1	407787	−19998469	0	2	−	12, 18, 2	12, 12, 2	12, 4, 2	I_{12},I_{12}^*,I_2	**2** : 3; **3** : 2
I1	1	−1	1	195	2197	0	1	−	4, 10, 1	4, 0, 1	4, 1, 1	I_4,II*,I_1	
J1	1	−1	1	−255	−1503	0	1	−	1, 7, 1	1, 1, 1	1, 2, 1	I_1,I_1^*,I_1	
K1	1	1	1	−63	781	1	1	−	3, 9, 1	3, 3, 1	3, 4, 1	I_3,I_3^*,I_1	**3** : 2
K2	1	1	1	562	−20469	1	1	−	9, 7, 3	9, 1, 3	9, 4, 3	I_9,I_1^*,I_3	**3** : 1
L1	1	1	1	−18	31	1	1	−	7, 3, 1	7, 0, 1	7, 2, 1	I_7,III,I_1	
851					$N = 851 = 23 \cdot 37$ (1 isogeny class)								**851**
A1	0	1	1	−28	48	1	1	+	2, 1	2, 1	2, 1	I_2,I_1	
854					$N = 854 = 2 \cdot 7 \cdot 61$ (4 isogeny classes)								**854**
A1	1	0	1	−722	7396	1	1	+	10, 3, 1	10, 3, 1	2, 1, 1	I_{10},I_3,I_1	
B1	1	0	1	−2706	53940	1	3	+	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**3** : 2
B2	1	0	1	−2801	49924	1	3	+	12, 3, 3	12, 3, 3	2, 3, 3	I_{12},I_3,I_3	**3** : 1, 3
B3	1	0	1	−56176	−5122754	1	1	+	36, 1, 1	36, 1, 1	2, 1, 1	I_{36},I_1,I_1	**3** : 2

	a_1 a_2 a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

854 $N = 854 = 2 \cdot 7 \cdot 61$ (continued) 854

C1	1 1 1	−13	3	1	1	+ 8, 1, 1	8, 1, 1	8, 1, 1	I_8,I_1,I_1	
D1	1 1 1	−399	1237	1	1	+ 6, 7, 1	6, 7, 1	6, 7, 1	I_6,I_7,I_1	

855 $N = 855 = 3^2 \cdot 5 \cdot 19$ (3 isogeny classes) 855

A1	1 −1 1	202	4956	0	2	− 14, 3, 1	8, 3, 1	4, 1, 1	I_8^*,I_3,I_1	**2** : 2
A2	1 −1 1	−3443	73482	0	4	+ 10, 6, 2	4, 6, 2	4, 2, 2	I_4^*,I_6,I_2	**2** : 1, 3, 4
A3	1 −1 1	−11138	−363594	0	2	+ 8, 12, 1	2, 12, 1	4, 2, 1	I_2^*,I_{12},I_1	**2** : 2
A4	1 −1 1	−54068	4852482	0	2	+ 8, 3, 4	2, 3, 4	2, 1, 2	I_2^*,I_3,I_4	**2** : 2
B1	1 −1 1	13	474	1	2	− 7, 3, 2	1, 3, 2	2, 3, 2	I_1^*,I_3,I_2	**2** : 2
B2	1 −1 1	−842	9366	1	2	+ 8, 6, 1	2, 6, 1	4, 6, 1	I_2^*,I_6,I_1	**2** : 1
C1	1 −1 0	171	0	0	2	− 11, 1, 2	5, 1, 2	4, 1, 2	I_5^*,I_1,I_2	**2** : 2
C2	1 −1 0	−684	513	0	2	+ 16, 2, 1	10, 2, 1	4, 2, 1	I_{10}^*,I_2,I_1	**2** : 1

856 $N = 856 = 2^3 \cdot 107$ (4 isogeny classes) 856

A1	0 1 0	−3	2	1	1	− 4, 1	0, 1	2, 1	III,I_1	
B1	0 1 0	0	−16	1	1	− 10, 1	0, 1	2, 1	III*,I_1	
C1	0 −1 0	−28	68	1	1	− 8, 1	0, 1	4, 1	I_1^*,I_1	
D1	0 −1 0	−432	−3316	1	1	− 11, 1	0, 1	1, 1	II*,I_1	

858 $N = 858 = 2 \cdot 3 \cdot 11 \cdot 13$ (13 isogeny classes) 858

A1	1 1 0	6	−108	0	2	− 12, 2, 1, 1	12, 2, 1, 1	2, 2, 1, 1	I_{12},I_2,I_1,I_1	**2** : 2
A2	1 1 0	−314	−2220	0	4	+ 6, 4, 2, 2	6, 4, 2, 2	2, 2, 2, 2	I_6,I_4,I_2,I_2	**2** : 1, 3, 4
A3	1 1 0	−4994	−137940	0	2	+ 3, 2, 4, 1	3, 2, 4, 1	1, 2, 4, 1	I_3,I_2,I_4,I_1	**2** : 2
A4	1 1 0	−754	4732	0	2	+ 3, 8, 1, 4	3, 8, 1, 4	1, 2, 1, 2	I_3,I_8,I_1,I_4	**2** : 2
B1	1 0 1	359	1916	1	6	− 8, 6, 1, 3	8, 6, 1, 3	2, 6, 1, 3	I_8,I_6,I_1,I_3	**2** : 2; **3** : 3
B2	1 0 1	−1801	16604	1	6	+ 4, 3, 2, 6	4, 3, 2, 6	2, 3, 2, 6	I_4,I_3,I_2,I_6	**2** : 1; **3** : 4
B3	1 0 1	−3736	−117658	1	2	− 24, 2, 3, 1	24, 2, 3, 1	2, 2, 1, 1	I_{24},I_2,I_3,I_1	**2** : 4; **3** : 1
B4	1 0 1	−65176	−6409114	1	2	+ 12, 1, 6, 2	12, 1, 6, 2	2, 1, 2, 2	I_{12},I_1,I_6,I_2	**2** : 3; **3** : 2
C1	1 0 1	−7	−10	0	2	− 2, 1, 2, 1	2, 1, 2, 1	2, 1, 2, 1	I_2,I_1,I_2,I_1	**2** : 2
C2	1 0 1	−117	−494	0	2	+ 1, 2, 1, 2	1, 2, 1, 2	1, 2, 1, 2	I_1,I_2,I_1,I_2	**2** : 1
D1	1 0 1	−103987	12897998	0	3	− 13, 6, 3, 1	13, 6, 3, 1	1, 6, 3, 1	I_{13},I_6,I_3,I_1	**3** : 2
D2	1 0 1	−80722	18827108	0	1	− 39, 2, 1, 3	39, 2, 1, 3	1, 2, 1, 3	I_{39},I_2,I_1,I_3	**3** : 1
E1	1 1 1	−1067	12953	0	4	+ 12, 3, 1, 2	12, 3, 1, 2	12, 1, 1, 2	I_{12},I_3,I_1,I_2	**2** : 2
E2	1 1 1	−1387	4121	0	4	+ 6, 6, 2, 4	6, 6, 2, 4	6, 2, 2, 2	I_6,I_6,I_2,I_4	**2** : 1, 3, 4
E3	1 1 1	−13267	−589879	0	2	+ 3, 3, 1, 8	3, 3, 1, 8	3, 1, 1, 2	I_3,I_3,I_1,I_8	**2** : 2
E4	1 1 1	5373	39273	0	2	− 3, 12, 4, 2	3, 12, 4, 2	3, 2, 2, 2	I_3,I_{12},I_4,I_2	**2** : 2
F1	1 1 1	−572	118685	1	1	− 11, 6, 1, 5	11, 6, 1, 5	11, 2, 1, 5	I_{11},I_6,I_1,I_5	
G1	1 1 1	−46	107	1	1	− 9, 2, 1, 1	9, 2, 1, 1	9, 2, 1, 1	I_9,I_2,I_1,I_1	
H1	1 1 1	−154	791	0	4	− 4, 3, 4, 1	4, 3, 4, 1	4, 1, 4, 1	I_4,I_3,I_4,I_1	**2** : 2
H2	1 1 1	−2574	49191	0	4	+ 2, 6, 2, 2	2, 6, 2, 2	2, 2, 2, 2	I_2,I_6,I_2,I_2	**2** : 1, 3, 4
H3	1 1 1	−2684	44615	0	2	+ 1, 12, 1, 4	1, 12, 1, 4	1, 2, 1, 4	I_1,I_{12},I_1,I_4	**2** : 2
H4	1 1 1	−41184	3199767	0	2	+ 1, 3, 1, 1	1, 3, 1, 1	1, 1, 1, 1	I_1,I_3,I_1,I_1	**2** : 2
I1	1 1 1	−2301	−43629	0	2	− 16, 6, 1, 1	16, 6, 1, 1	16, 2, 1, 1	I_{16},I_6,I_1,I_1	**2** : 2
I2	1 1 1	−36861	−2739309	0	2	+ 8, 3, 2, 2	8, 3, 2, 2	8, 1, 2, 2	I_8,I_3,I_2,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
858				$N = 858 = 2 \cdot 3 \cdot 11 \cdot 13$ (continued)								**858**
J1	1	0	0	13	−39	0	3	− 3, 6, 1, 1	3, 6, 1, 1	3, 6, 1, 1	I_3,I_6,I_1,I_1	**3** : 2
J2	1	0	0	−617	−5961	0	1	− 1, 2, 3, 3	1, 2, 3, 3	1, 2, 1, 3	I_1,I_2,I_3,I_3	**3** : 1
K1	1	0	0	−5774401	5346023177	0	7	− 7, 14, 7, 3	7, 14, 7, 3	7, 14, 7, 1	I_7,I_{14},I_7,I_3	**7** : 2
K2	1	0	0	16353089	−335543012233	0	1	− 1, 2, 1, 21	1, 2, 1, 21	1, 2, 1, 1	I_1,I_2,I_1,I_{21}	**7** : 1
L1	1	0	0	−332	−6000	0	2	− 14, 1, 2, 3	14, 1, 2, 3	14, 1, 2, 1	I_{14},I_1,I_2,I_3	**2** : 2
L2	1	0	0	−7372	−243952	0	2	+ 7, 2, 1, 6	7, 2, 1, 6	7, 2, 1, 2	I_7,I_2,I_1,I_6	**2** : 1
M1	1	0	0	−1	−7	0	2	− 4, 2, 1, 1	4, 2, 1, 1	4, 2, 1, 1	I_4,I_2,I_1,I_1	**2** : 2
M2	1	0	0	−61	−187	0	2	+ 2, 1, 2, 2	2, 1, 2, 2	2, 1, 2, 2	I_2,I_1,I_2,I_2	**2** : 1
861				$N = 861 = 3 \cdot 7 \cdot 41$ (4 isogeny classes)								**861**
A1	1	1	1	3	−6	0	2	− 4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
A2	1	1	1	−42	−114	0	4	+ 2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
A3	1	1	1	−657	−6756	0	2	+ 1, 4, 1	1, 4, 1	1, 4, 1	I_1,I_4,I_1	**2** : 2
A4	1	1	1	−147	516	0	2	+ 1, 1, 4	1, 1, 4	1, 1, 2	I_1,I_1,I_4	**2** : 2
B1	1	0	1	706	−64375	1	1	− 17, 3, 1	17, 3, 1	17, 1, 1	I_{17},I_3,I_1	
C1	1	0	0	2941	18606	1	1	− 7, 1, 5	7, 1, 5	7, 1, 5	I_7,I_1,I_5	
D1	1	0	0	−7	14	1	1	− 5, 1, 1	5, 1, 1	5, 1, 1	I_5,I_1,I_1	
862				$N = 862 = 2 \cdot 431$ (6 isogeny classes)								**862**
A1	1	0	1	1	−2	1	1	− 2, 1	2, 1	2, 1	I_2,I_1	
B1	1	−1	0	−70	244	1	1	− 6, 1	6, 1	2, 1	I_6,I_1	
C1	1	−1	1	6	−7	0	2	− 6, 1	6, 1	6, 1	I_6,I_1	**2** : 2
C2	1	−1	1	−34	−39	0	2	+ 3, 2	3, 2	3, 2	I_3,I_2	**2** : 1
D1	1	0	0	8	64	0	3	− 12, 1	12, 1	12, 1	I_{12},I_1	**3** : 2
D2	1	0	0	−72	−1744	0	1	− 4, 3	4, 3	4, 1	I_4,I_3	**3** : 1
E1	1	1	1	−2460	45949	1	5	− 20, 1	20, 1	20, 1	I_{20},I_1	**5** : 2
E2	1	1	1	15380	−102531	1	1	− 4, 5	4, 5	4, 5	I_4,I_5	**5** : 1
F1	1	1	1	−2	15	1	1	− 8, 1	8, 1	8, 1	I_8,I_1	
864				$N = 864 = 2^5 \cdot 3^3$ (12 isogeny classes)								**864**
A1	0	0	0	−3	6	1	1	− 9, 3	0, 0	2, 1	I_0^*,II	
B1	0	0	0	−24	48	1	1	− 12, 3	0, 0	2, 1	III*,II	
C1	0	0	0	24	−16	1	1	− 12, 5	0, 0	2, 3	III*,IV	
D1	0	0	0	−3	−6	0	1	− 9, 3	0, 0	1, 1	I_0^*,II	
E1	0	0	0	216	−432	0	1	− 12, 11	0, 0	2, 1	III*,II*	
F1	0	0	0	−24	−48	0	1	− 12, 3	0, 0	2, 1	III*,II	
G1	0	0	0	−27	162	0	1	− 9, 9	0, 0	1, 1	I_0^*,IV*	
H1	0	0	0	216	432	0	1	− 12, 11	0, 0	2, 1	III*,II*	
I1	0	0	0	−216	−1296	0	1	− 12, 9	0, 0	2, 1	III*,IV*	
J1	0	0	0	−27	−162	1	1	− 9, 9	0, 0	2, 3	I_0^*,IV*	
K1	0	0	0	24	16	1	1	− 12, 5	0, 0	2, 1	III*,IV	
L1	0	0	0	−216	1296	1	1	− 12, 9	0, 0	2, 3	III*,IV*	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

866 $N = 866 = 2 \cdot 433$ (1 isogeny class) 866

A1	1	0	0	−8	64	1	3	−	12, 1	12, 1	12, 1	I_{12},I_1	**3** : 2
A2	1	0	0	72	−1712	1	1	−	4, 3	4, 3	4, 3	I_4,I_3	**3** : 1

867 $N = 867 = 3 \cdot 17^2$ (5 isogeny classes) 867

A1	0	−1	1	193	−5023	1	1	−	3, 7	3, 1	1, 4	I_3,I_1^*	**3** : 2
A2	0	−1	1	−17147	−859018	1	1	−	1, 9	1, 3	1, 4	I_1,I_3^*	**3** : 1
B1	1	1	1	−23	20	1	2	+	4, 3	4, 0	2, 2	I_4,III	**2** : 2
B2	1	1	1	62	224	1	2	−	8, 3	8, 0	2, 2	I_8,III	**2** : 1
C1	0	−1	1	1638	−13693	1	1	−	1, 9	1, 0	1, 2	I_1,III*	**5** : 2
C2	0	−1	1	−244012	−46313805	1	1	−	5, 9	5, 0	1, 2	I_5,III*	**5** : 1
D1	1	0	0	−6653	145704	0	2	+	4, 9	4, 0	4, 2	I_4,III*	**2** : 2
D2	1	0	0	17912	976001	0	2	−	8, 9	8, 0	8, 2	I_8,III*	**2** : 1
E1	0	1	1	6	−1	0	1	−	1, 3	1, 0	1, 2	I_1,III	**5** : 2
E2	0	1	1	−844	−9725	0	1	−	5, 3	5, 0	5, 2	I_5,III	**5** : 1

869 $N = 869 = 11 \cdot 79$ (4 isogeny classes) 869

A1	1	0	1	−138	609	1	1	+	2, 1	2, 1	2, 1	I_2,I_1	
B1	0	1	1	10	−2	1	1	−	1, 2	1, 2	1, 2	I_1,I_2	
C1	1	0	0	−2	−5	0	2	−	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
C2	1	0	0	−57	−170	0	2	+	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
D1	1	1	0	−512	4237	1	1	+	2, 3	2, 3	2, 3	I_2,I_3	

870 $N = 870 = 2 \cdot 3 \cdot 5 \cdot 29$ (9 isogeny classes) 870

A1	1	1	0	−87	261	1	2	+	4, 4, 3, 1	4, 4, 3, 1	2, 2, 3, 1	I_4,I_4,I_3,I_1	**2** : 2
A2	1	1	0	−267	−1431	1	4	+	2, 2, 6, 2	2, 2, 6, 2	2, 2, 6, 2	I_2,I_2,I_6,I_2	**2** : 1, 3, 4
A3	1	1	0	−4017	−99681	1	2	+	1, 1, 3, 4	1, 1, 3, 4	1, 1, 3, 4	I_1,I_1,I_3,I_4	**2** : 2
A4	1	1	0	603	−7869	1	2	−	1, 1, 12, 1	1, 1, 12, 1	1, 1, 12, 1	I_1,I_1,I_{12},I_1	**2** : 2
B1	1	0	1	−2829	55816	1	6	+	10, 6, 1, 3	10, 6, 1, 3	2, 6, 1, 3	I_{10},I_6,I_1,I_3	**2** : 2; **3** : 3
B2	1	0	1	−7149	−156728	1	6	+	5, 3, 2, 6	5, 3, 2, 6	1, 3, 2, 6	I_5,I_3,I_2,I_6	**2** : 1; **3** : 4
B3	1	0	1	−32844	−2275958	1	2	+	30, 2, 3, 1	30, 2, 3, 1	2, 2, 1, 1	I_{30},I_2,I_3,I_1	**2** : 4; **3** : 1
B4	1	0	1	−524364	−146193014	1	2	+	15, 1, 6, 2	15, 1, 6, 2	1, 1, 2, 2	I_{15},I_1,I_6,I_2	**2** : 3; **3** : 2
C1	1	0	1	−58	56	1	6	+	2, 6, 3, 1	2, 6, 3, 1	2, 6, 3, 1	I_2,I_6,I_3,I_1	**2** : 2; **3** : 3
C2	1	0	1	212	488	1	6	−	1, 3, 6, 2	1, 3, 6, 2	1, 3, 6, 2	I_1,I_3,I_6,I_2	**2** : 1; **3** : 4
C3	1	0	1	−2533	−49264	1	2	+	6, 2, 1, 3	6, 2, 1, 3	2, 2, 1, 1	I_6,I_2,I_1,I_3	**2** : 4; **3** : 1
C4	1	0	1	−2413	−54112	1	2	−	3, 1, 2, 6	3, 1, 2, 6	1, 1, 2, 2	I_3,I_1,I_2,I_6	**2** : 3; **3** : 2
D1	1	0	1	−113	−124	0	2	+	16, 2, 1, 1	16, 2, 1, 1	2, 2, 1, 1	I_{16},I_2,I_1,I_1	**2** : 2
D2	1	0	1	−1393	−20092	0	4	+	8, 4, 2, 2	8, 4, 2, 2	2, 4, 2, 2	I_8,I_4,I_2,I_2	**2** : 1, 3, 4
D3	1	0	1	−22273	−1281244	0	2	+	4, 2, 4, 1	4, 2, 4, 1	2, 2, 4, 1	I_4,I_2,I_4,I_1	**2** : 2
D4	1	0	1	−993	−31772	0	4	−	4, 8, 1, 4	4, 8, 1, 4	2, 8, 1, 4	I_4,I_8,I_1,I_4	**2** : 2
E1	1	1	1	−11	−7	1	2	+	6, 2, 1, 1	6, 2, 1, 1	6, 2, 1, 1	I_6,I_2,I_1,I_1	**2** : 2
E2	1	1	1	−131	−631	1	2	+	3, 1, 2, 2	3, 1, 2, 2	3, 1, 2, 2	I_3,I_1,I_2,I_2	**2** : 1
F1	1	1	1	−1760	27137	1	2	+	14, 2, 5, 1	14, 2, 5, 1	14, 2, 5, 1	I_{14},I_2,I_5,I_1	**2** : 2
F2	1	1	1	160	85505	1	2	−	7, 1, 10, 2	7, 1, 10, 2	7, 1, 10, 2	I_7,I_1,I_{10},I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
870					$N = 870 = 2 \cdot 3 \cdot 5 \cdot 29$ (continued)								**870**
G1	1	1	1	−250	1415	0	4	+	8, 4, 1, 1	8, 4, 1, 1	8, 2, 1, 1	I_8,I_4,I_1,I_1	**2** : 2
G2	1	1	1	−330	327	0	4	+	4, 8, 2, 2	4, 8, 2, 2	4, 2, 2, 2	I_4,I_8,I_2,I_2	**2** : 1, 3, 4
G3	1	1	1	−3230	−71593	0	2	+	2, 16, 1, 1	2, 16, 1, 1	2, 2, 1, 1	I_2,I_{16},I_1,I_1	**2** : 2
G4	1	1	1	1290	4215	0	4	−	2, 4, 4, 4	2, 4, 4, 4	2, 2, 4, 4	I_2,I_4,I_4,I_4	**2** : 2
H1	1	0	0	−5	−3	0	2	+	2, 2, 1, 1	2, 2, 1, 1	2, 2, 1, 1	I_2,I_2,I_1,I_1	**2** : 2
H2	1	0	0	−35	75	0	2	+	1, 1, 2, 2	1, 1, 2, 2	1, 1, 2, 2	I_1,I_1,I_2,I_2	**2** : 1
I1	1	0	0	−4480	−25600	0	10	+	10, 10, 5, 1	10, 10, 5, 1	10, 10, 5, 1	I_{10},I_{10},I_5,I_1	**2** : 2; **5** : 3
I2	1	0	0	−43360	3450272	0	10	+	5, 5, 10, 2	5, 5, 10, 2	5, 5, 10, 2	I_5,I_5,I_{10},I_2	**2** : 1; **5** : 4
I3	1	0	0	−2136580	−1202240020	0	2	+	2, 2, 1, 5	2, 2, 1, 5	2, 2, 1, 1	I_2,I_2,I_1,I_5	**2** : 4; **5** : 1
I4	1	0	0	−2136610	−1202204578	0	2	+	1, 1, 2, 10	1, 1, 2, 10	1, 1, 2, 2	I_1,I_1,I_2,I_{10}	**2** : 3; **5** : 2
871					$N = 871 = 13 \cdot 67$ (1 isogeny class)								**871**
A1	0	−1	1	−42	139	0	1	−	4, 1	4, 1	2, 1	I_4,I_1	
872					$N = 872 = 2^3 \cdot 109$ (1 isogeny class)								**872**
A1	0	1	0	0	16	1	1	−	10, 1	0, 1	2, 1	III*,I_1	
873					$N = 873 = 3^2 \cdot 97$ (4 isogeny classes)								**873**
A1	1	−1	0	−27	−32	0	2	+	8, 1	2, 1	4, 1	I_2^*,I_1	**2** : 2
A2	1	−1	0	−162	805	0	2	+	7, 2	1, 2	2, 2	I_1^*,I_2	**2** : 1
B1	1	−1	0	−1476	−21461	1	2	+	10, 1	4, 1	4, 1	I_4^*,I_1	**2** : 2
B2	1	−1	0	−1521	−20048	1	4	+	14, 2	8, 2	4, 2	I_8^*,I_2	**2** : 1, 3, 4
B3	1	−1	0	−5886	153679	1	2	+	22, 1	16, 1	4, 1	I_{16}^*,I_1	**2** : 2
B4	1	−1	0	2124	−103883	1	2	−	10, 4	4, 4	2, 4	I_4^*,I_4	**2** : 2
C1	0	0	1	−19569	−4064513	1	1	−	29, 1	23, 1	4, 1	I_{23}^*,I_1	
D1	0	0	1	−3	22	1	1	−	7, 1	1, 1	4, 1	I_1^*,I_1	
874					$N = 874 = 2 \cdot 19 \cdot 23$ (6 isogeny classes)								**874**
A1	1	−1	0	−19	−13	0	1	+	1, 3, 1	1, 3, 1	1, 1, 1	I_1,I_3,I_1	
B1	1	−1	0	−13189	575701	0	1	+	25, 3, 1	25, 3, 1	1, 1, 1	I_{25},I_3,I_1	
C1	1	1	0	−38	76	1	1	+	3, 1, 1	3, 1, 1	1, 1, 1	I_3,I_1,I_1	
D1	1	0	0	−12	−16	1	1	+	5, 1, 1	5, 1, 1	5, 1, 1	I_5,I_1,I_1	
E1	1	1	1	−410	903	1	5	+	5, 1, 5	5, 1, 5	5, 1, 5	I_5,I_1,I_5	**5** : 2
E2	1	1	1	−142320	−20724857	1	1	+	1, 5, 1	1, 5, 1	1, 1, 1	I_1,I_5,I_1	**5** : 1
F1	1	0	0	−7929	−270343	0	3	+	21, 1, 3	21, 1, 3	21, 1, 3	I_{21},I_1,I_3	**3** : 2
F2	1	0	0	−640889	−197533063	0	1	+	7, 3, 1	7, 3, 1	7, 3, 1	I_7,I_3,I_1	**3** : 1
876					$N = 876 = 2^2 \cdot 3 \cdot 73$ (2 isogeny classes)								**876**
A1	0	−1	0	−48885	4176513	1	1	−	8, 11, 1	0, 11, 1	1, 1, 1	IV*,I_{11},I_1	
B1	0	1	0	−61	191	1	1	−	8, 5, 1	0, 5, 1	3, 5, 1	IV*,I_5,I_1	
880					$N = 880 = 2^4 \cdot 5 \cdot 11$ (10 isogeny classes)								**880**
A1	0	0	0	2	3	1	2	−	4, 2, 1	0, 2, 1	1, 2, 1	II,I_2,I_1	**2** : 2
A2	0	0	0	−23	38	1	2	+	8, 1, 2	0, 1, 2	2, 1, 2	I_0^*,I_1,I_2	**2** : 1
B1	0	0	0	−38	87	0	2	+	4, 3, 2	0, 3, 2	1, 1, 2	II,I_3,I_2	**2** : 2
B2	0	0	0	17	318	0	2	−	8, 6, 1	0, 6, 1	2, 2, 1	I_0^*,I_6,I_1	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

880 $N = 880 = 2^4 \cdot 5 \cdot 11$ (continued) 880

C1	0	0	0	−5042	−137801	1	2	+ 4, 3, 2	0, 3, 2	1, 3, 2	II,I_3,I_2	**2** : 2
C2	0	0	0	−5047	−137514	1	4	+ 8, 6, 4	0, 6, 4	2, 6, 4	I_0^*,I_6,I_4	**2** : 1, 3, 4
C3	0	0	0	−7547	12986	1	4	+ 10, 3, 8	0, 3, 8	4, 3, 8	I_2^*,I_3,I_8	**2** : 2
C4	0	0	0	−2627	−269646	1	4	− 10, 12, 2	0, 12, 2	2, 12, 2	I_2^*,I_{12},I_2	**2** : 2
D1	0	0	0	−67	226	1	1	− 11, 3, 1	0, 3, 1	4, 3, 1	I_3^*,I_3,I_1	
E1	0	−1	0	−1416	−20240	0	1	− 19, 1, 3	7, 1, 3	2, 1, 1	I_{11}^*,I_1,I_3	**3** : 2
E2	0	−1	0	4744	−108944	0	1	− 33, 3, 1	21, 3, 1	2, 1, 1	I_{25}^*,I_3,I_1	**3** : 1
F1	0	−1	0	−16	−64	1	1	− 15, 1, 1	3, 1, 1	4, 1, 1	I_7^*,I_1,I_1	**3** : 2
F2	0	−1	0	144	1600	1	1	− 13, 3, 3	1, 3, 3	4, 1, 3	I_5^*,I_3,I_3	**3** : 1
G1	0	1	0	160	3188	1	1	− 17, 5, 1	5, 5, 1	4, 5, 1	I_9^*,I_5,I_1	**5** : 2
G2	0	1	0	−95040	11245748	1	1	− 13, 1, 5	1, 1, 5	4, 1, 1	I_5^*,I_1,I_5	**5** : 1
H1	0	1	0	−5	−2	1	2	+ 4, 1, 2	0, 1, 2	1, 1, 2	II,I_1,I_2	**2** : 2
H2	0	1	0	−60	−200	1	2	+ 8, 2, 1	0, 2, 1	1, 2, 1	I_0^*,I_2,I_1	**2** : 1
I1	0	0	0	13	−14	0	2	− 12, 1, 1	0, 1, 1	4, 1, 1	I_4^*,I_1,I_1	**2** : 2
I2	0	0	0	−67	−126	0	4	+ 12, 2, 2	0, 2, 2	4, 2, 2	I_4^*,I_2,I_2	**2** : 1, 3, 4
I3	0	0	0	−947	−11214	0	2	+ 12, 4, 1	0, 4, 1	2, 4, 1	I_4^*,I_4,I_1	**2** : 2
I4	0	0	0	−467	3794	0	4	+ 12, 1, 4	0, 1, 4	4, 1, 4	I_4^*,I_1,I_4	**2** : 2
J1	0	−1	0	−45	−100	0	2	+ 4, 3, 2	0, 3, 2	1, 3, 2	II,I_3,I_2	**2** : 2; **3** : 3
J2	0	−1	0	−100	252	0	2	+ 8, 6, 1	0, 6, 1	1, 6, 1	I_0^*,I_6,I_1	**2** : 1; **3** : 4
J3	0	−1	0	−445	3720	0	2	+ 4, 1, 6	0, 1, 6	1, 1, 6	II,I_1,I_6	**2** : 4; **3** : 1
J4	0	−1	0	−7100	232652	0	2	+ 8, 2, 3	0, 2, 3	1, 2, 3	I_0^*,I_2,I_3	**2** : 3; **3** : 2

882 $N = 882 = 2 \cdot 3^2 \cdot 7^2$ (12 isogeny classes) 882

A1	1	−1	0	−4566	119916	1	3	− 3, 3, 8	3, 0, 0	1, 2, 3	I_3,III,IV^*	**3** : 2
A2	1	−1	0	579	366533	1	1	− 9, 9, 8	9, 0, 0	1, 2, 3	I_9,III^*,IV^*	**3** : 1
B1	1	−1	0	−93	−323	0	1	− 3, 3, 2	3, 0, 0	1, 2, 1	I_3,III,II	**3** : 2
B2	1	−1	0	12	−1072	0	1	− 9, 9, 2	9, 0, 0	1, 2, 1	I_9,III^*,II	**3** : 1
C1	1	−1	0	−450	−8366	0	1	− 1, 7, 8	1, 1, 0	1, 2, 1	I_1,I_1^*,IV^*	**7** : 2
C2	1	−1	0	−62190	6208852	0	1	− 7, 13, 8	7, 7, 0	1, 2, 1	I_7,I_7^*,IV^*	**7** : 1
D1	1	−1	0	−9	27	1	1	− 1, 7, 2	1, 1, 0	1, 4, 1	I_1,I_1^*,II	**7** : 2
D2	1	−1	0	−1269	−17739	1	1	− 7, 13, 2	7, 7, 0	1, 4, 1	I_7,I_7^*,II	**7** : 1
E1	1	−1	0	−1773	63909	1	2	− 8, 8, 7	8, 2, 1	2, 2, 4	I_8,I_2^*,I_1^*	**2** : 2
E2	1	−1	0	−37053	2752245	1	4	+ 4, 10, 8	4, 4, 2	2, 4, 4	I_4,I_4^*,I_2^*	**2** : 1, 3, 4
E3	1	−1	0	−45873	1349865	1	4	+ 2, 14, 10	2, 8, 4	2, 4, 4	I_2,I_8^*,I_4^*	**2** : 2, 5, 6
E4	1	−1	0	−592713	175784769	1	2	+ 2, 8, 7	2, 2, 1	2, 4, 2	I_2,I_2^*,I_1^*	**2** : 2
E5	1	−1	0	−403083	−97454421	1	2	+ 1, 10, 14	1, 4, 8	1, 2, 4	I_1,I_4^*,I_8^*	**2** : 3
E6	1	−1	0	170217	10295991	1	2	− 1, 22, 8	1, 16, 2	1, 4, 2	I_1,I_{16}^*,I_2^*	**2** : 3
F1	1	−1	1	64	−13597	0	3	− 9, 3, 8	9, 0, 0	9, 2, 3	I_9,III,IV^*	**3** : 2
F2	1	−1	1	−41096	−3196637	0	1	− 3, 9, 8	3, 0, 0	3, 2, 3	I_3,III^*,IV^*	**3** : 1
G1	1	−1	1	1	39	1	1	− 9, 3, 2	9, 0, 0	9, 2, 1	I_9,III,II	**3** : 2
G2	1	−1	1	−839	9559	1	1	− 3, 9, 2	3, 0, 0	3, 2, 1	I_3,III^*,II	**3** : 1
H1	1	−1	1	211	1397	1	1	− 5, 9, 4	5, 3, 0	5, 4, 3	I_5,I_3^*,IV	**3** : 2
H2	1	−1	1	−6404	199847	1	3	− 15, 7, 4	15, 1, 0	15, 4, 3	I_{15},I_1^*,IV	**3** : 1

	a_1 a_2 a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

882 $N = 882 = 2 \cdot 3^2 \cdot 7^2$ (continued) 882

I1	1 −1 1	−230	2769	0	2	− 2, 6, 7	2, 0, 1	2, 2, 2	I_2,I_0^*,I_1^*	**2** : 2; **3** : 3
I2	1 −1 1	−4640	122721	0	2	+ 1, 6, 8	1, 0, 2	1, 2, 4	I_1,I_0^*,I_2^*	**2** : 1; **3** : 4
I3	1 −1 1	1975	−57207	0	2	− 6, 6, 9	6, 0, 3	6, 2, 2	I_6,I_0^*,I_3^*	**2** : 4; **3** : 1, 5
I4	1 −1 1	−15665	−614631	0	2	+ 3, 6, 12	3, 0, 6	3, 2, 4	I_3,I_0^*,I_6^*	**2** : 3; **3** : 2, 6
I5	1 −1 1	−75200	−7941405	0	2	− 18, 6, 7	18, 0, 1	18, 2, 2	I_{18},I_0^*,I_1^*	**2** : 6; **3** : 3
I6	1 −1 1	−1204160	−508296477	0	2	+ 9, 6, 8	9, 0, 2	9, 2, 4	I_9,I_0^*,I_2^*	**2** : 5; **3** : 4
J1	1 −1 1	10354	−499971	0	1	− 5, 9, 10	5, 3, 0	5, 2, 1	I_5,I_3^*,II*	**3** : 2
J2	1 −1 1	−313781	−67920051	0	1	− 15, 7, 10	15, 1, 0	15, 2, 1	I_{15},I_1^*,II*	**3** : 1
K1	1 −1 1	22	−871	0	2	− 4, 10, 3	4, 4, 0	4, 2, 2	I_4,I_4^*,III	**2** : 2
K2	1 −1 1	−1238	−15991	0	2	+ 2, 14, 3	2, 8, 0	2, 4, 2	I_2,I_8^*,III	**2** : 1
L1	1 −1 1	1093	296475	0	2	− 4, 10, 9	4, 4, 0	4, 2, 2	I_4,I_4^*,III*	**2** : 2
L2	1 −1 1	−60647	5606115	0	2	+ 2, 14, 9	2, 8, 0	2, 4, 2	I_2,I_8^*,III*	**2** : 1

885 $N = 885 = 3 \cdot 5 \cdot 59$ (4 isogeny classes) 885

A1	0 −1 1	−126	587	0	1	+ 7, 1, 1	7, 1, 1	1, 1, 1	I_7,I_1,I_1	
B1	1 1 0	−92	−381	1	2	+ 1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	**2** : 2
B2	1 1 0	−97	−344	1	4	+ 2, 4, 2	2, 4, 2	2, 4, 2	I_2,I_4,I_2	**2** : 1, 3, 4
B3	1 1 0	−472	3481	1	4	+ 1, 2, 4	1, 2, 4	1, 2, 4	I_1,I_2,I_4	**2** : 2
B4	1 1 0	198	−1701	1	2	− 4, 8, 1	4, 8, 1	2, 8, 1	I_4,I_8,I_1	**2** : 2
C1	0 1 1	−5	−4	1	1	+ 3, 1, 1	3, 1, 1	3, 1, 1	I_3,I_1,I_1	
D1	0 1 1	−280	1684	1	5	+ 5, 5, 1	5, 5, 1	5, 5, 1	I_5,I_5,I_1	**5** : 2
D2	0 1 1	−19330	−1040876	1	1	+ 1, 1, 5	1, 1, 5	1, 1, 1	I_1,I_1,I_5	**5** : 1

886 $N = 886 = 2 \cdot 443$ (5 isogeny classes) 886

A1	1 −1 0	−14	24	1	1	+ 2, 1	2, 1	2, 1	I_2,I_1	
B1	1 0 1	−1203	15950	1	1	− 9, 1	9, 1	1, 1	I_9,I_1	
C1	1 1 0	−283	−1635	0	1	+ 20, 1	20, 1	2, 1	I_{20},I_1	
D1	1 −1 1	−241390	45705725	1	1	+ 38, 1	38, 1	38, 1	I_{38},I_1	
E1	1 −1 1	−4	7	1	1	− 5, 1	5, 1	5, 1	I_5,I_1	

888 $N = 888 = 2^3 \cdot 3 \cdot 37$ (4 isogeny classes) 888

A1	0 −1 0	−200	−1044	0	1	− 11, 5, 1	0, 5, 1	1, 1, 1	II*,I_5,I_1	
B1	0 1 0	−39	−18	1	4	+ 4, 8, 1	0, 8, 1	2, 8, 1	III,I_8,I_1	**2** : 2
B2	0 1 0	−444	−3744	1	4	+ 8, 4, 2	0, 4, 2	2, 4, 2	I_1^*,I_4,I_2	**2** : 1, 3, 4
B3	0 1 0	−7104	−232848	1	2	+ 10, 2, 1	0, 2, 1	2, 2, 1	III*,I_2,I_1	**2** : 2
B4	0 1 0	−264	−6624	1	4	− 10, 2, 4	0, 2, 4	2, 2, 4	III*,I_2,I_4	**2** : 2
C1	0 −1 0	−3	−36	1	2	− 4, 3, 2	0, 3, 2	2, 1, 2	III,I_3,I_2	**2** : 2
C2	0 −1 0	−188	−924	1	2	+ 8, 6, 1	0, 6, 1	4, 2, 1	I_1^*,I_6,I_1	**2** : 1
D1	0 1 0	−11	−18	0	2	+ 4, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	**2** : 2
D2	0 1 0	4	−48	0	2	− 8, 1, 2	0, 1, 2	4, 1, 2	I_1^*,I_1,I_2	**2** : 1

890 $N = 890 = 2 \cdot 5 \cdot 89$ (8 isogeny classes) 890

A1	1 −1 0	−5	1	1	2	+ 2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
A2	1 −1 0	−55	171	1	2	+ 1, 1, 2	1, 1, 2	1, 1, 2	I_1,I_1,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
890					$N = 890 = 2 \cdot 5 \cdot 89$ (continued)							**890**
B1	1	0	1	−9	−4	1	2	+ 4, 2, 1	4, 2, 1	2, 2, 1	I_4,I_2,I_1	**2** : 2
B2	1	0	1	−109	−444	1	2	+ 2, 1, 2	2, 1, 2	2, 1, 2	I_2,I_1,I_2	**2** : 1
C1	1	1	0	−418	3072	0	2	+ 2, 8, 1	2, 8, 1	2, 2, 1	I_2,I_8,I_1	**2** : 2
C2	1	1	0	−6668	206822	0	2	+ 1, 4, 2	1, 4, 2	1, 2, 2	I_1,I_4,I_2	**2** : 1
D1	1	0	1	−13	16	1	1	− 3, 1, 1	3, 1, 1	1, 1, 1	I_3,I_1,I_1	
E1	1	0	1	−1138	−14844	1	2	+ 12, 4, 1	12, 4, 1	2, 4, 1	I_{12},I_4,I_1	**2** : 2
E2	1	0	1	−818	−23292	1	2	− 6, 8, 2	6, 8, 2	2, 8, 2	I_6,I_8,I_2	**2** : 1
F1	1	−1	1	12	87	1	1	− 13, 1, 1	13, 1, 1	13, 1, 1	I_{13},I_1,I_1	
G1	1	1	1	10	147	1	5	− 5, 5, 1	5, 5, 1	5, 5, 1	I_5,I_5,I_1	**5** : 2
G2	1	1	1	−2040	−38093	1	1	− 1, 1, 5	1, 1, 5	1, 1, 1	I_1,I_1,I_5	**5** : 1
H1	1	−1	1	−52	151	0	4	+ 8, 2, 1	8, 2, 1	8, 2, 1	I_8,I_2,I_1	**2** : 2
H2	1	−1	1	−132	−361	0	4	+ 4, 4, 2	4, 4, 2	4, 4, 2	I_4,I_4,I_2	**2** : 1, 3, 4
H3	1	−1	1	−1912	−31689	0	2	+ 2, 8, 1	2, 8, 1	2, 8, 1	I_2,I_8,I_1	**2** : 2
H4	1	−1	1	368	−2761	0	4	− 2, 2, 4	2, 2, 4	2, 2, 4	I_2,I_2,I_4	**2** : 2
891					$N = 891 = 3^4 \cdot 11$ (8 isogeny classes)							**891**
A1	1	−1	1	7	10	1	1	− 6, 2	0, 2	1, 2	IV,I_2	
B1	0	0	1	6	−15	0	3	− 4, 3	0, 3	1, 3	II,I_3	**3** : 2
B2	0	0	1	−324	−2248	0	1	− 12, 1	0, 1	1, 1	II*,I_1	**3** : 1
C1	1	−1	0	66	−343	0	1	− 12, 2	0, 2	1, 2	II*,I_2	
D1	1	−1	0	−339	2492	0	1	− 12, 1	0, 1	1, 1	II*,I_1	**7** : 2
D2	1	−1	0	876	−154729	0	1	− 12, 7	0, 7	1, 7	II*,I_7	**7** : 1
E1	0	0	1	−81	−304	0	1	− 12, 1	0, 1	1, 1	II*,I_1	
F1	0	0	1	−36	83	0	3	− 6, 1	0, 1	3, 1	IV,I_1	**3** : 2
F2	0	0	1	54	398	0	1	− 10, 3	0, 3	1, 1	IV*,I_3	**3** : 1
G1	1	−1	1	−38	−80	0	1	− 6, 1	0, 1	1, 1	IV,I_1	**7** : 2
G2	1	−1	1	97	5698	0	1	− 6, 7	0, 7	1, 1	IV,I_7	**7** : 1
H1	0	0	1	−9	11	0	1	− 6, 1	0, 1	1, 1	IV,I_1	
892					$N = 892 = 2^2 \cdot 223$ (3 isogeny classes)							**892**
A1	0	0	0	−415	3254	0	1	+ 8, 1	0, 1	1, 1	IV*,I_1	
B1	0	1	0	−188	932	1	3	+ 8, 1	0, 1	3, 1	IV*,I_1	**3** : 2
B2	0	1	0	−388	−1580	1	1	+ 8, 3	0, 3	1, 3	IV*,I_3	**3** : 1
C1	0	−1	0	−12	−8	1	1	+ 8, 1	0, 1	3, 1	IV*,I_1	
894					$N = 894 = 2 \cdot 3 \cdot 149$ (7 isogeny classes)							**894**
A1	1	1	0	−18630	971028	1	1	− 13, 8, 1	13, 8, 1	1, 2, 1	I_{13},I_8,I_1	
B1	1	1	0	−59	−201	1	1	+ 1, 5, 1	1, 5, 1	1, 1, 1	I_1,I_5,I_1	
C1	1	0	1	−407	−268	0	3	+ 1, 15, 1	1, 15, 1	1, 15, 1	I_1,I_{15},I_1	**3** : 2
C2	1	0	1	−23492	−1387798	0	1	+ 3, 5, 3	3, 5, 3	1, 5, 1	I_3,I_5,I_3	**3** : 1
D1	1	0	1	−13	−16	1	1	+ 3, 3, 1	3, 3, 1	1, 3, 1	I_3,I_3,I_1	
E1	1	1	1	−38	−15325	1	1	− 23, 4, 1	23, 4, 1	23, 2, 1	I_{23},I_4,I_1	
F1	1	1	1	−42	87	1	1	+ 5, 1, 1	5, 1, 1	5, 1, 1	I_5,I_1,I_1	
G1	1	0	0	−247	809	1	1	+ 11, 7, 1	11, 7, 1	11, 7, 1	I_{11},I_7,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

895 $N = 895 = 5 \cdot 179$ (2 isogeny classes) 895

A1	1	0	0	−6	5	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
B1	1	−1	1	−183	352	0	1	+	9, 1	9, 1	1, 1	I_9,I_1	

896 $N = 896 = 2^7 \cdot 7$ (4 isogeny classes) 896

A1	0	0	0	−10	−12	1	2	+	8, 1	0, 1	2, 1	III,I_1	**2** : 2
A2	0	0	0	−20	16	1	2	+	13, 2	0, 2	2, 2	I_2^*,I_2	**2** : 1
B1	0	0	0	−5	2	1	2	+	7, 2	0, 2	1, 2	II,I_2	**2** : 2
B2	0	0	0	−40	−96	1	2	+	14, 1	0, 1	2, 1	III*,I_1	**2** : 1
C1	0	0	0	−5	−2	0	2	+	7, 2	0, 2	1, 2	II,I_2	**2** : 2
C2	0	0	0	−40	96	0	2	+	14, 1	0, 1	2, 1	III*,I_1	**2** : 1
D1	0	0	0	−10	12	1	2	+	8, 1	0, 1	2, 1	III,I_1	**2** : 2
D2	0	0	0	−20	−16	1	2	+	13, 2	0, 2	4, 2	I_2^*,I_2	**2** : 1

897 $N = 897 = 3 \cdot 13 \cdot 23$ (6 isogeny classes) 897

A1	1	1	0	−97	5560	0	2	−	8, 2, 3	8, 2, 3	2, 2, 1	I_8,I_2,I_3	**2** : 2
A2	1	1	0	−5362	147715	0	2	+	4, 1, 6	4, 1, 6	2, 1, 2	I_4,I_1,I_6	**2** : 1
B1	1	1	1	−52	164	0	4	−	2, 4, 1	2, 4, 1	2, 4, 1	I_2,I_4,I_1	**2** : 2
B2	1	1	1	−897	9966	0	4	+	4, 2, 2	4, 2, 2	2, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
B3	1	1	1	−962	8354	0	2	+	8, 1, 4	8, 1, 4	2, 1, 2	I_8,I_1,I_4	**2** : 2
B4	1	1	1	−14352	655806	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
C1	1	1	1	−19	−40	1	2	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	**2** : 2
C2	1	1	1	−24	−24	1	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
C3	1	1	1	−219	1146	1	4	+	1, 1, 4	1, 1, 4	1, 1, 4	I_1,I_1,I_4	**2** : 2
C4	1	1	1	91	−70	1	2	−	4, 4, 1	4, 4, 1	2, 4, 1	I_4,I_4,I_1	**2** : 2
D1	1	0	1	130884	−59725523	1	2	−	12, 10, 1	12, 10, 1	12, 10, 1	I_{12},I_{10},I_1	**2** : 2
D2	1	0	1	−1725581	−795628249	1	2	+	24, 5, 2	24, 5, 2	24, 5, 2	I_{24},I_5,I_2	**2** : 1
E1	1	0	0	−19602	1069443	1	4	−	20, 2, 1	20, 2, 1	20, 2, 1	I_{20},I_2,I_1	**2** : 2
E2	1	0	0	−314847	67971960	1	4	+	10, 4, 2	10, 4, 2	10, 4, 2	I_{10},I_4,I_2	**2** : 1, 3, 4
E3	1	0	0	−316062	67420593	1	2	+	5, 8, 4	5, 8, 4	5, 8, 2	I_5,I_8,I_4	**2** : 2
E4	1	0	0	−5037552	4351465395	1	2	+	5, 2, 1	5, 2, 1	5, 2, 1	I_5,I_2,I_1	**2** : 2
F1	1	0	0	0	−9	1	2	−	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
F2	1	0	0	−65	−204	1	2	+	4, 1, 2	4, 1, 2	4, 1, 2	I_4,I_1,I_2	**2** : 1

898 $N = 898 = 2 \cdot 449$ (4 isogeny classes) 898

A1	1	0	1	−202	1084	1	1	+	7, 1	7, 1	1, 1	I_7,I_1	
B1	1	1	0	−451	3789	0	1	−	21, 1	21, 1	1, 1	I_{21},I_1	
C1	1	1	1	−12	−19	0	2	+	6, 1	6, 1	6, 1	I_6,I_1	**2** : 2
C2	1	1	1	−52	109	0	2	+	3, 2	3, 2	3, 2	I_3,I_2	**2** : 1
D1	1	1	1	−4	−3	1	1	+	3, 1	3, 1	3, 1	I_3,I_1	

899 $N = 899 = 29 \cdot 31$ (2 isogeny classes) 899

A1	1	0	1	−3	−1	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
B1	0	1	1	−2	1	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

900 $N = 900 = 2^2 \cdot 3^2 \cdot 5^2$ (8 isogeny classes) 900

A1	0	0	0	0	12500	0	1	− 8, 3, 10	0, 0, 0	1, 2, 1	IV*,III,II*	**3** : 2
A2	0	0	0	0	−337500	0	1	− 8, 9, 10	0, 0, 0	3, 2, 1	IV*,III*,II*	**3** : 1
B1	0	0	0	0	125	0	2	− 4, 3, 6	0, 0, 0	1, 2, 2	IV,III,I_0^*	**2** : 2; **3** : 3
B2	0	0	0	−375	2750	0	2	+ 8, 3, 6	0, 0, 0	1, 2, 2	IV*,III,I_0^*	**2** : 1; **3** : 4
B3	0	0	0	0	−3375	0	2	− 4, 9, 6	0, 0, 0	3, 2, 2	IV,III*,I_0^*	**2** : 4; **3** : 1
B4	0	0	0	−3375	−74250	0	2	+ 8, 9, 6	0, 0, 0	3, 2, 2	IV*,III*,I_0^*	**2** : 3; **3** : 2
C1	0	0	0	0	100	1	3	− 8, 3, 4	0, 0, 0	3, 2, 3	IV*,III,IV	**3** : 2
C2	0	0	0	0	−2700	1	1	− 8, 9, 4	0, 0, 0	1, 2, 1	IV*,III*,IV	**3** : 1
D1	0	0	0	−120	740	1	1	− 8, 9, 2	0, 3, 0	3, 4, 1	IV*,I_3^*,II	**3** : 2
D2	0	0	0	−10920	439220	1	1	− 8, 7, 2	0, 1, 0	1, 4, 1	IV*,I_1^*,II	**3** : 1
E1	0	0	0	−300	−1375	1	2	+ 4, 6, 7	0, 0, 1	3, 2, 4	IV,I_0^*,I_1^*	**2** : 2; **3** : 3
E2	0	0	0	825	−9250	1	2	− 8, 6, 8	0, 0, 2	3, 2, 4	IV*,I_0^*,I_2^*	**2** : 1; **3** : 4
E3	0	0	0	−9300	345125	1	2	+ 4, 6, 9	0, 0, 3	1, 2, 4	IV,I_0^*,I_3^*	**2** : 4; **3** : 1
E4	0	0	0	−8175	431750	1	2	− 8, 6, 12	0, 0, 6	1, 2, 4	IV*,I_0^*,I_6^*	**2** : 3; **3** : 2
F1	0	0	0	−3000	92500	0	1	− 8, 9, 8	0, 3, 0	1, 2, 1	IV*,I_3^*,IV*	**3** : 2
F2	0	0	0	−273000	54902500	0	3	− 8, 7, 8	0, 1, 0	3, 2, 3	IV*,I_1^*,IV*	**3** : 1
G1	0	0	0	−3000	−59375	0	2	+ 4, 8, 9	0, 2, 0	3, 2, 2	IV,I_2^*,III*	**2** : 2
G2	0	0	0	2625	−256250	0	2	− 8, 10, 9	0, 4, 0	3, 4, 2	IV*,I_4^*,III*	**2** : 1
H1	0	0	0	−120	−475	0	2	+ 4, 8, 3	0, 2, 0	1, 2, 2	IV,I_2^*,III	**2** : 2
H2	0	0	0	105	−2050	0	2	− 8, 10, 3	0, 4, 0	1, 4, 2	IV*,I_4^*,III	**2** : 1

901 $N = 901 = 17 \cdot 53$ (6 isogeny classes) 901

A1	1	−1	1	−85	−220	1	2	+ 3, 2	3, 2	1, 2	I_3,I_2	**2** : 2
A2	1	−1	1	180	−1492	1	2	− 6, 1	6, 1	2, 1	I_6,I_1	**2** : 1
B1	1	1	1	−29598	1947602	1	2	+ 5, 2	5, 2	1, 2	I_5,I_2	**2** : 2
B2	1	1	1	−29863	1910608	1	2	+ 10, 1	10, 1	2, 1	I_{10},I_1	**2** : 1
C1	0	1	1	−17	7	0	3	+ 3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
C2	0	1	1	−697	−7320	0	1	+ 1, 3	1, 3	1, 1	I_1,I_3	**3** : 1
D1	1	−1	1	−346	−68922	0	1	− 3, 5	3, 5	3, 1	I_3,I_5	
E1	0	0	1	−1507	4209	1	1	+ 5, 3	5, 3	5, 3	I_5,I_3	
F1	0	−1	1	−4	−2	1	1	+ 1, 1	1, 1	1, 1	I_1,I_1	

902 $N = 902 = 2 \cdot 11 \cdot 41$ (2 isogeny classes) 902

A1	1	0	1	−2382	77312	1	1	− 18, 5, 1	18, 5, 1	2, 1, 1	I_{18},I_5,I_1	
B1	1	0	0	−64	192	0	3	− 6, 1, 1	6, 1, 1	6, 1, 1	I_6,I_1,I_1	**3** : 2
B2	1	0	0	76	892	0	1	− 2, 3, 3	2, 3, 3	2, 1, 1	I_2,I_3,I_3	**3** : 1

903 $N = 903 = 3 \cdot 7 \cdot 43$ (2 isogeny classes) 903

A1	0	1	1	7	2	1	1	− 2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	
B1	0	1	1	−43	−43484	0	3	− 18, 2, 1	18, 2, 1	18, 2, 1	I_{18},I_2,I_1	**3** : 2
B2	0	1	1	−94813	−11269355	0	3	− 6, 6, 3	6, 6, 3	6, 6, 3	I_6,I_6,I_3	**3** : 1, 3
B3	0	1	1	−7680013	−8194581338	0	1	− 2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**3** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
904					$N = 904 = 2^3 \cdot 113$ (1 isogeny class)								**904**
A1	0	0	0	−35	78	1	2	+	10, 1	0, 1	2, 1	III*,I_1	**2** : 2
A2	0	0	0	5	246	1	2	−	11, 2	0, 2	1, 2	II*,I_2	**2** : 1
905					$N = 905 = 5 \cdot 181$ (2 isogeny classes)								**905**
A1	1	1	0	−18	23	1	2	+	1, 1	1, 1	1, 1	I_1,I_1	**2** : 2
A2	1	1	0	−13	42	1	2	−	2, 2	2, 2	2, 2	I_2,I_2	**2** : 1
B1	1	0	1	−388	−2969	0	1	−	5, 1	5, 1	5, 1	I_5,I_1	
906					$N = 906 = 2 \cdot 3 \cdot 151$ (9 isogeny classes)								**906**
A1	1	1	0	3395	−211907	1	1	−	26, 7, 1	26, 7, 1	2, 1, 1	I_{26},I_7,I_1	
B1	1	1	0	−16	−32	1	1	+	5, 1, 1	5, 1, 1	1, 1, 1	I_5,I_1,I_1	
C1	1	0	1	54	64	1	3	−	2, 9, 1	2, 9, 1	2, 9, 1	I_2,I_9,I_1	**3** : 2
C2	1	0	1	−621	−7064	1	3	−	6, 3, 3	6, 3, 3	2, 3, 3	I_6,I_3,I_3	**3** : 1, 3
C3	1	0	1	−52716	−4662998	1	1	−	18, 1, 1	18, 1, 1	2, 1, 1	I_{18},I_1,I_1	**3** : 2
D1	1	0	1	−1715	27182	1	3	+	5, 3, 1	5, 3, 1	1, 3, 1	I_5,I_3,I_1	**3** : 2
D2	1	0	1	−1970	18500	1	1	+	15, 1, 3	15, 1, 3	1, 1, 3	I_{15},I_1,I_3	**3** : 1
E1	1	1	1	−40466325	99063769563	0	1	+	5, 7, 1	5, 7, 1	5, 1, 1	I_5,I_7,I_1	
F1	1	1	1	−11	−19	0	1	−	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	
G1	1	1	1	−21	−45	1	1	+	3, 3, 1	3, 3, 1	3, 1, 1	I_3,I_3,I_1	
H1	1	0	0	−152	576	1	1	+	11, 5, 1	11, 5, 1	11, 5, 1	I_{11},I_5,I_1	
I1	1	0	0	−6	−6	0	1	+	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
909					$N = 909 = 3^2 \cdot 101$ (3 isogeny classes)								**909**
A1	0	0	1	−1776	3834	0	1	+	20, 1	14, 1	2, 1	I_{14}^*,I_1	
B1	0	0	1	−57	−117	0	1	+	10, 1	4, 1	2, 1	I_4^*,I_1	
C1	0	0	1	−12	9	1	1	+	6, 1	0, 1	2, 1	I_0^*,I_1	
910					$N = 910 = 2 \cdot 5 \cdot 7 \cdot 13$ (11 isogeny classes)								**910**
A1	1	−1	0	−2000	32000	0	2	+	20, 3, 2, 1	20, 3, 2, 1	2, 1, 2, 1	I_{20},I_3,I_2,I_1	**2** : 2
A2	1	−1	0	−7120	−194304	0	4	+	10, 6, 4, 2	10, 6, 4, 2	2, 2, 4, 2	I_{10},I_6,I_4,I_2	**2** : 1, 3, 4
A3	1	−1	0	−109040	−13831200	0	2	+	5, 12, 2, 1	5, 12, 2, 1	1, 2, 2, 1	I_5,I_{12},I_2,I_1	**2** : 2
A4	1	−1	0	12880	−1102304	0	2	−	5, 3, 8, 4	5, 3, 8, 4	1, 1, 8, 2	I_5,I_3,I_8,I_4	**2** : 2
B1	1	0	1	6	42	1	3	−	1, 2, 1, 3	1, 2, 1, 3	1, 2, 1, 3	I_1,I_2,I_1,I_3	**3** : 2
B2	1	0	1	−59	−1154	1	1	−	3, 6, 3, 1	3, 6, 3, 1	1, 2, 3, 1	I_3,I_6,I_3,I_1	**3** : 1
C1	1	0	1	−234	1352	1	6	+	2, 1, 2, 3	2, 1, 2, 3	2, 1, 2, 3	I_2,I_1,I_2,I_3	**2** : 2; **3** : 3
C2	1	0	1	−304	456	1	6	+	1, 2, 1, 6	1, 2, 1, 6	1, 2, 1, 6	I_1,I_2,I_1,I_6	**2** : 1; **3** : 4
C3	1	0	1	−949	−9984	1	2	+	6, 3, 6, 1	6, 3, 6, 1	2, 1, 6, 1	I_6,I_3,I_6,I_1	**2** : 4; **3** : 1
C4	1	0	1	−14669	−685008	1	2	+	3, 6, 3, 2	3, 6, 3, 2	1, 2, 3, 2	I_3,I_6,I_3,I_2	**2** : 3; **3** : 2
D1	1	−1	0	−29	−47	1	2	+	2, 3, 2, 1	2, 3, 2, 1	2, 3, 2, 1	I_2,I_3,I_2,I_1	**2** : 2
D2	1	−1	0	41	−285	1	2	−	1, 6, 1, 2	1, 6, 1, 2	1, 6, 1, 2	I_1,I_6,I_1,I_2	**2** : 1
E1	1	0	1	−578448	183565278	0	3	−	7, 18, 3, 1	7, 18, 3, 1	1, 18, 3, 1	I_7,I_{18},I_3,I_1	**3** : 2
E2	1	0	1	3562177	−168122222	0	3	−	21, 6, 9, 3	21, 6, 9, 3	1, 6, 9, 3	I_{21},I_6,I_9,I_3	**3** : 1, 3
E3	1	0	1	−50503198	−146507820272	0	1	−	63, 2, 3, 1	63, 2, 3, 1	1, 2, 3, 1	I_{63},I_2,I_3,I_1	**3** : 2
F1	1	−1	1	−33898	2219177	1	2	+	22, 1, 2, 5	22, 1, 2, 5	22, 1, 2, 5	I_{22},I_1,I_2,I_5	**2** : 2
F2	1	−1	1	37782	10304681	1	2	−	11, 2, 1, 10	11, 2, 1, 10	11, 2, 1, 10	I_{11},I_2,I_1,I_{10}	**2** : 1

	a_1 a_2 a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
910	$N = 910 = 2 \cdot 5 \cdot 7 \cdot 13$ (continued)									**910**
G1	1 −1 1	−33	81	1	1	− 5, 2, 1, 1	5, 2, 1, 1	5, 2, 1, 1	I_5,I_2,I_1,I_1	
H1	1 1 1	−196	5829	1	1	− 17, 2, 3, 1	17, 2, 3, 1	17, 2, 3, 1	I_{17},I_2,I_3,I_1	
I1	1 1 1	−6	−1	0	2	+ 2, 1, 2, 1	2, 1, 2, 1	2, 1, 2, 1	I_2,I_1,I_2,I_1	**2** : 2
I2	1 1 1	−76	223	0	2	+ 1, 2, 1, 2	1, 2, 1, 2	1, 2, 1, 2	I_1,I_2,I_1,I_2	**2** : 1
J1	1 0 0	−1196	15760	0	6	+ 18, 1, 2, 1	18, 1, 2, 1	18, 1, 2, 1	I_{18},I_1,I_2,I_1	**2** : 2; **3** : 3
J2	1 0 0	−19116	1015696	0	6	+ 9, 2, 1, 2	9, 2, 1, 2	9, 2, 1, 2	I_9,I_2,I_1,I_2	**2** : 1; **3** : 4
J3	1 0 0	−6636	−196784	0	6	+ 6, 3, 6, 3	6, 3, 6, 3	6, 1, 6, 3	I_6,I_3,I_6,I_3	**2** : 4; **3** : 1, 5
J4	1 0 0	−20356	876120	0	6	+ 3, 6, 3, 6	3, 6, 3, 6	3, 2, 3, 6	I_3,I_6,I_3,I_6	**2** : 3; **3** : 2, 6
J5	1 0 0	−528976	−148126020	0	2	+ 2, 9, 2, 1	2, 9, 2, 1	2, 1, 2, 1	I_2,I_9,I_2,I_1	**2** : 6; **3** : 3
J6	1 0 0	−529046	−148084874	0	2	+ 1, 18, 1, 2	1, 18, 1, 2	1, 2, 1, 2	I_1,I_{18},I_1,I_2	**2** : 5; **3** : 4
K1	1 0 0	−1145	12025	1	2	+ 14, 5, 2, 1	14, 5, 2, 1	14, 5, 2, 1	I_{14},I_5,I_2,I_1	**2** : 2
K2	1 0 0	−5625	−151943	1	2	+ 7, 10, 1, 2	7, 10, 1, 2	7, 10, 1, 2	I_7,I_{10},I_1,I_2	**2** : 1
912	$N = 912 = 2^4 \cdot 3 \cdot 19$ (12 isogeny classes)									**912**
A1	0 −1 0	−57	−171	1	1	− 8, 6, 1	0, 6, 1	1, 2, 1	I_0^*,I_6,I_1	
B1	0 −1 0	−172	928	0	2	+ 8, 3, 1	0, 3, 1	2, 1, 1	I_0^*,I_3,I_1	**2** : 2
B2	0 −1 0	−192	720	0	4	+ 10, 6, 2	0, 6, 2	4, 2, 2	I_2^*,I_6,I_2	**2** : 1, 3, 4
B3	0 −1 0	−1272	−16560	0	2	+ 11, 3, 4	0, 3, 4	2, 1, 4	I_3^*,I_3,I_4	**2** : 2
B4	0 −1 0	568	4368	0	2	− 11, 12, 1	0, 12, 1	4, 2, 1	I_3^*,I_{12},I_1	**2** : 2
C1	0 1 0	55	−93	0	1	− 8, 2, 3	0, 2, 3	1, 2, 1	I_0^*,I_2,I_3	
D1	0 1 0	−16	−28	0	2	+ 10, 1, 1	0, 1, 1	4, 1, 1	I_2^*,I_1,I_1	**2** : 2
D2	0 1 0	24	−108	0	2	− 11, 2, 2	0, 2, 2	2, 2, 2	I_3^*,I_2,I_2	**2** : 1
E1	0 −1 0	−128	0	0	2	+ 18, 3, 1	6, 3, 1	4, 1, 1	I_{10}^*,I_3,I_1	**2** : 2; **3** : 3
E2	0 −1 0	512	−512	0	2	− 15, 6, 2	3, 6, 2	2, 2, 2	I_7^*,I_6,I_2	**2** : 1; **3** : 4
E3	0 −1 0	−6848	220416	0	2	+ 14, 1, 3	2, 1, 3	4, 1, 1	I_6^*,I_1,I_3	**2** : 4; **3** : 1
E4	0 −1 0	−6688	231040	0	2	− 13, 2, 6	1, 2, 6	2, 2, 2	I_5^*,I_2,I_6	**2** : 3; **3** : 2
F1	0 −1 0	315	2349	1	1	− 12, 10, 1	0, 10, 1	1, 2, 1	II*,I_{10},I_1	**5** : 2
F2	0 −1 0	−70245	7189389	1	1	− 12, 2, 5	0, 2, 5	1, 2, 5	II*,I_2,I_5	**5** : 1
G1	0 −1 0	−24	48	1	2	+ 12, 1, 1	0, 1, 1	4, 1, 1	I_4^*,I_1,I_1	**2** : 2
G2	0 −1 0	−104	−336	1	4	+ 12, 2, 2	0, 2, 2	4, 2, 2	I_4^*,I_2,I_2	**2** : 1, 3, 4
G3	0 −1 0	−1624	−24656	1	2	+ 12, 4, 1	0, 4, 1	2, 2, 1	I_4^*,I_4,I_1	**2** : 2
G4	0 −1 0	136	−1872	1	4	− 12, 1, 4	0, 1, 4	4, 1, 4	I_4^*,I_1,I_4	**2** : 2
H1	0 1 0	−1528	22484	1	2	+ 14, 5, 1	2, 5, 1	4, 5, 1	I_6^*,I_5,I_1	**2** : 2
H2	0 1 0	−1368	27540	1	2	− 13, 10, 2	1, 10, 2	4, 10, 2	I_5^*,I_{10},I_2	**2** : 1
I1	0 1 0	3	−9	1	1	− 8, 2, 1	0, 2, 1	2, 2, 1	I_0^*,I_2,I_1	
J1	0 1 0	3	−18	0	2	− 4, 3, 2	0, 3, 2	1, 3, 2	II,I_3,I_2	**2** : 2
J2	0 1 0	−92	−360	0	2	+ 8, 6, 1	0, 6, 1	1, 6, 1	I_0^*,I_6,I_1	**2** : 1
K1	0 1 0	−5632	144308	0	2	+ 32, 3, 1	20, 3, 1	4, 3, 1	I_{24}^*,I_3,I_1	**2** : 2
K2	0 1 0	−87552	9941940	0	4	+ 22, 6, 2	10, 6, 2	4, 6, 2	I_{14}^*,I_6,I_2	**2** : 1, 3, 4
K3	0 1 0	−1400832	637689780	0	2	+ 17, 3, 1	5, 3, 1	4, 3, 1	I_9^*,I_3,I_1	**2** : 2
K4	0 1 0	−84992	10553268	0	4	− 17, 12, 4	5, 12, 4	2, 12, 4	I_9^*,I_{12},I_4	**2** : 2
L1	0 1 0	−37	−109	0	1	− 12, 2, 1	0, 2, 1	1, 2, 1	II*,I_2,I_1	
913	$N = 913 = 11 \cdot 83$ (2 isogeny classes)									**913**
A1	1 −1 1	−115	−476	0	1	− 5, 1	5, 1	1, 1	I_5,I_1	

	a_1	a_2	a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
913					$N = 913 = 11 \cdot 83$ (continued)								**913**
B1	0	0	1	−1	13	0	1	−	1, 2	1, 2	1, 2	I_1,I_2	
914					$N = 914 = 2 \cdot 457$ (2 isogeny classes)								**914**
A1	1	−1	0	−52	−48	1	2	+	14, 1	14, 1	2, 1	I_{14},I_1	**2** : 2
A2	1	−1	0	−692	−6832	1	2	+	7, 2	7, 2	1, 2	I_7,I_2	**2** : 1
B1	1	0	1	−2	−2	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	
915					$N = 915 = 3 \cdot 5 \cdot 61$ (4 isogeny classes)								**915**
A1	0	−1	1	−460	−11577	0	1	−	1, 7, 3	1, 7, 3	1, 7, 1	I_1,I_7,I_3	
B1	1	1	0	−57	144	1	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
B2	1	1	0	−62	111	1	4	+	4, 2, 2	4, 2, 2	2, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
B3	1	1	0	−367	−2756	1	2	+	8, 4, 1	8, 4, 1	2, 4, 1	I_8,I_4,I_1	**2** : 2
B4	1	1	0	163	966	1	4	−	2, 1, 4	2, 1, 4	2, 1, 4	I_2,I_1,I_4	**2** : 2
C1	0	1	1	−6	−25	0	1	−	3, 3, 1	3, 3, 1	3, 1, 1	I_3,I_3,I_1	
D1	1	0	0	50	107	1	2	−	3, 3, 2	3, 3, 2	3, 3, 2	I_3,I_3,I_2	**2** : 2
D2	1	0	0	−255	900	1	2	+	6, 6, 1	6, 6, 1	6, 6, 1	I_6,I_6,I_1	**2** : 1
916					$N = 916 = 2^2 \cdot 229$ (5 isogeny classes)								**916**
A1	0	0	0	−71	−290	0	2	−	8, 2	0, 2	3, 2	IV^*,I_2	**2** : 2
A2	0	0	0	−76	−255	0	2	+	4, 1	0, 1	3, 1	IV,I_1	**2** : 1
B1	0	0	0	−1013692	392832257	0	1	+	4, 1	0, 1	3, 1	IV,I_1	
C1	0	0	0	−4	1	2	1	+	4, 1	0, 1	3, 1	IV,I_1	
D1	0	1	0	−77	236	1	3	+	4, 1	0, 1	3, 1	IV,I_1	**3** : 2
D2	0	1	0	−157	−416	1	1	+	4, 3	0, 3	1, 3	IV,I_3	**3** : 1
E1	0	−1	0	−5	−2	1	1	+	4, 1	0, 1	3, 1	IV,I_1	
918					$N = 918 = 2 \cdot 3^3 \cdot 17$ (12 isogeny classes)								**918**
A1	1	−1	0	−24990	1526804	1	1	−	8, 11, 1	8, 0, 1	2, 1, 1	I_8,II^*,I_1	
B1	1	−1	0	0	−18	1	1	−	1, 5, 2	1, 0, 2	1, 3, 2	I_1,IV,I_2	
C1	1	−1	0	−771	−8875	1	1	−	11, 11, 1	11, 0, 1	1, 1, 1	I_{11},II^*,I_1	
D1	1	−1	0	−48	−768	0	1	−	15, 3, 2	15, 0, 2	1, 1, 2	I_{15},II,I_2	**3** : 2
D2	1	−1	0	432	20448	0	3	−	5, 5, 6	5, 0, 6	1, 3, 6	I_5,IV,I_6	**3** : 1
E1	1	−1	0	3	−3	1	1	−	3, 3, 1	3, 0, 1	1, 1, 1	I_3,II,I_1	**3** : 2
E2	1	−1	0	−27	99	1	3	−	1, 5, 3	1, 0, 3	1, 1, 3	I_1,IV,I_3	**3** : 1
F1	1	−1	0	24	48	1	3	−	4, 3, 3	4, 0, 3	2, 1, 3	I_4,II,I_3	**3** : 2
F2	1	−1	0	−231	−2179	1	1	−	12, 9, 1	12, 0, 1	2, 3, 1	I_{12},IV^*,I_1	**3** : 1
G1	1	−1	1	−26	89	0	3	−	12, 3, 1	12, 0, 1	12, 1, 1	I_{12},II,I_1	**3** : 2
G2	1	−1	1	214	−1511	0	1	−	4, 9, 3	4, 0, 3	4, 1, 1	I_4,IV^*,I_3	**3** : 1
H1	1	−1	1	−86	357	1	1	−	11, 5, 1	11, 0, 1	11, 3, 1	I_{11},IV,I_1	
I1	1	−1	1	25	55	1	3	−	3, 9, 1	3, 0, 1	3, 3, 1	I_3,IV^*,I_1	**3** : 2
I2	1	−1	1	−245	−2429	1	1	−	1, 11, 3	1, 0, 3	1, 1, 1	I_1,II^*,I_3	**3** : 1
J1	1	−1	1	−434	21169	1	3	−	15, 9, 2	15, 0, 2	15, 3, 2	I_{15},IV^*,I_2	**3** : 2
J2	1	−1	1	3886	−555983	1	1	−	5, 11, 6	5, 0, 6	5, 1, 2	I_5,II^*,I_6	**3** : 1
K1	1	−1	1	−2777	−55623	0	1	−	8, 5, 1	8, 0, 1	8, 1, 1	I_8,IV,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

918 $N = 918 = 2 \cdot 3^3 \cdot 17$ (continued) 918

L1	1	−1	1	−2	487	0	1	−	1, 11, 2	1, 0, 2	1, 1, 2	I_1,II^*,I_2	

920 $N = 920 = 2^3 \cdot 5 \cdot 23$ (4 isogeny classes) 920

A1	0	0	0	1468	−2844	1	1	−	8, 3, 5	0, 3, 5	4, 3, 5	I_1^*,I_3,I_5	
B1	0	0	0	−187	991	1	1	−	4, 6, 1	0, 6, 1	2, 6, 1	III,I_6,I_1	
C1	0	1	0	4	5	1	1	−	4, 2, 1	0, 2, 1	2, 2, 1	III,I_2,I_1	
D1	0	−1	0	0	−23	1	1	−	4, 4, 1	0, 4, 1	2, 4, 1	III,I_4,I_1	

921 $N = 921 = 3 \cdot 307$ (2 isogeny classes) 921

A1	0	−1	1	−3058	−64080	0	1	−	6, 1	6, 1	2, 1	I_6,I_1	
B1	0	1	1	−23	41	1	3	−	6, 1	6, 1	6, 1	I_6,I_1	**3** : 2
B2	0	1	1	157	−130	1	1	−	2, 3	2, 3	2, 3	I_2,I_3	**3** : 1

922 $N = 922 = 2 \cdot 461$ (1 isogeny class) 922

A1	1	0	0	−2	−2	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	

923 $N = 923 = 13 \cdot 71$ (1 isogeny class) 923

A1	0	0	1	−4	19	0	1	−	3, 1	3, 1	1, 1	I_3,I_1	

924 $N = 924 = 2^2 \cdot 3 \cdot 7 \cdot 11$ (8 isogeny classes) 924

A1	0	−1	0	25158	−775719	0	1	−	4, 5, 5, 7	0, 5, 5, 7	3, 1, 1, 1	IV,I_5,I_5,I_7	
B1	0	−1	0	14	1057	1	1	−	4, 3, 1, 5	0, 3, 1, 5	3, 1, 1, 5	IV,I_3,I_1,I_5	
C1	0	−1	0	14	−11	1	1	−	4, 1, 3, 1	0, 1, 3, 1	1, 1, 3, 1	IV,I_1,I_3,I_1	
D1	0	−1	0	−470	−4311	0	1	−	4, 13, 1, 1	0, 13, 1, 1	3, 1, 1, 1	IV,I_{13},I_1,I_1	
E1	0	1	0	−22	41	1	1	−	4, 5, 1, 1	0, 5, 1, 1	3, 5, 1, 1	IV,I_5,I_1,I_1	
F1	0	1	0	−1706	−27699	0	1	−	4, 5, 3, 1	0, 5, 3, 1	1, 5, 1, 1	IV,I_5,I_3,I_1	
G1	0	1	0	6	9	0	3	−	4, 3, 1, 1	0, 3, 1, 1	3, 3, 1, 1	IV,I_3,I_1,I_1	**3** : 2
G2	0	1	0	−54	−291	0	1	−	4, 1, 3, 3	0, 1, 3, 3	1, 1, 3, 1	IV,I_1,I_3,I_3	**3** : 1
H1	0	1	0	−17242	875009	1	3	−	4, 9, 5, 3	0, 9, 5, 3	3, 9, 5, 3	IV,I_9,I_5,I_3	**3** : 2
H2	0	1	0	59978	4520981	1	1	−	4, 3, 15, 1	0, 3, 15, 1	1, 3, 15, 1	IV,I_3,I_{15},I_1	**3** : 1

925 $N = 925 = 5^2 \cdot 37$ (5 isogeny classes) 925

A1	0	1	1	−133	519	1	1	+	8, 1	2, 1	2, 1	I_2^*,I_1	
B1	0	−1	1	−83	318	1	1	+	6, 1	0, 1	2, 1	I_0^*,I_1	**3** : 2
B2	0	−1	1	−583	−5057	1	1	+	6, 3	0, 3	2, 1	I_0^*,I_3	**3** : 1, 3
B3	0	−1	1	−46833	−3885432	1	1	+	6, 1	0, 1	2, 1	I_0^*,I_1	**3** : 2
C1	1	1	1	−88	−344	0	2	+	7, 1	1, 1	4, 1	I_1^*,I_1	**2** : 2
C2	1	1	1	37	−1094	0	2	−	8, 2	2, 2	4, 2	I_2^*,I_2	**2** : 1
D1	0	−1	1	−3908	95343	0	1	+	10, 1	4, 1	2, 1	I_4^*,I_1	
E1	0	0	1	−25	31	0	1	+	6, 1	0, 1	2, 1	I_0^*,I_1	

926 $N = 926 = 2 \cdot 463$ (1 isogeny class) 926

A1	1	1	1	7	7	0	2	−	6, 1	6, 1	6, 1	I_6,I_1	**2** : 2
A2	1	1	1	−33	23	0	2	+	3, 2	3, 2	3, 2	I_3,I_2	**2** : 1

	a_1 a_2 a_3	a_4	a_6	r	$\lvert\mathrm{T}\rvert$	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
927		$N = 927 = 3^2 \cdot 103$ (1 isogeny class)								**927**
A1	1 −1 0	−54	−243	1	1	− 11, 1	5, 1	2, 1	I_5^*,I_1	
928		$N = 928 = 2^5 \cdot 29$ (2 isogeny classes)								**928**
A1	0 1 0	−1	−17	1	1	− 12, 1	0, 1	4, 1	I_3^*,I_1	
B1	0 −1 0	−1	17	1	1	− 12, 1	0, 1	4, 1	I_3^*,I_1	
930		$N = 930 = 2 \cdot 3 \cdot 5 \cdot 31$ (15 isogeny classes)								**930**
A1	1 1 0	−108	−432	1	2	+ 12, 3, 1, 1	12, 3, 1, 1	2, 1, 1, 1	I_{12},I_3,I_1,I_1	**2** : 2
A2	1 1 0	−428	2832	1	4	+ 6, 6, 2, 2	6, 6, 2, 2	2, 2, 2, 2	I_6,I_6,I_2,I_2	**2** : 1, 3, 4
A3	1 1 0	−6628	204952	1	2	+ 3, 12, 1, 1	3, 12, 1, 1	1, 2, 1, 1	I_3,I_{12},I_1,I_1	**2** : 2
A4	1 1 0	652	16008	1	2	− 3, 3, 4, 4	3, 3, 4, 4	1, 1, 2, 2	I_3,I_3,I_4,I_4	**2** : 2
B1	1 1 0	−203	−1347	0	1	− 9, 1, 5, 1	9, 1, 5, 1	1, 1, 1, 1	I_9,I_1,I_5,I_1	
C1	1 1 0	98	244	0	1	− 11, 5, 1, 1	11, 5, 1, 1	1, 1, 1, 1	I_{11},I_5,I_1,I_1	
D1	1 1 0	2238	181236	1	2	− 16, 1, 7, 2	16, 1, 7, 2	2, 1, 7, 2	I_{16},I_1,I_7,I_2	**2** : 2
D2	1 1 0	−37442	2585844	1	2	+ 8, 2, 14, 1	8, 2, 14, 1	2, 2, 14, 1	I_8,I_2,I_{14},I_1	**2** : 1
E1	1 1 0	3	9	1	2	− 2, 2, 2, 1	2, 2, 2, 1	2, 2, 2, 1	I_2,I_2,I_2,I_1	**2** : 2
E2	1 1 0	−47	99	1	2	+ 1, 4, 1, 2	1, 4, 1, 2	1, 2, 1, 2	I_1,I_4,I_1,I_2	**2** : 1
F1	1 0 1	−10400749	13377941672	0	1	− 23, 11, 3, 5	23, 11, 3, 5	1, 11, 1, 1	I_{23},I_{11},I_3,I_5	
G1	1 0 1	−244	1442	0	2	+ 4, 1, 3, 1	4, 1, 3, 1	2, 1, 1, 1	I_4,I_1,I_3,I_1	**2** : 2
G2	1 0 1	−264	1186	0	4	+ 2, 2, 6, 2	2, 2, 6, 2	2, 2, 2, 2	I_2,I_2,I_6,I_2	**2** : 1, 3, 4
G3	1 0 1	−1514	−21814	0	2	+ 1, 4, 3, 4	1, 4, 3, 4	1, 4, 1, 2	I_1,I_4,I_3,I_4	**2** : 2
G4	1 0 1	666	7882	0	2	− 1, 1, 12, 1	1, 1, 12, 1	1, 1, 2, 1	I_1,I_1,I_{12},I_1	**2** : 2
H1	1 0 1	467	−1432	1	2	− 8, 5, 3, 2	8, 5, 3, 2	2, 5, 3, 2	I_8,I_5,I_3,I_2	**2** : 2
H2	1 0 1	−2013	−12344	1	2	+ 4, 10, 6, 1	4, 10, 6, 1	2, 10, 6, 1	I_4,I_{10},I_6,I_1	**2** : 1
I1	1 0 1	2	−22	0	3	− 1, 3, 3, 1	1, 3, 3, 1	1, 3, 3, 1	I_1,I_3,I_3,I_1	**3** : 2
I2	1 0 1	−523	−4642	0	1	− 3, 1, 1, 3	3, 1, 1, 3	1, 1, 1, 3	I_3,I_1,I_1,I_3	**3** : 1
J1	1 0 1	−13648	613406	0	2	− 26, 2, 2, 1	26, 2, 2, 1	2, 2, 2, 1	I_{26},I_2,I_2,I_1	**2** : 2
J2	1 0 1	−218448	39279646	0	2	+ 13, 4, 1, 2	13, 4, 1, 2	1, 4, 1, 2	I_{13},I_4,I_1,I_2	**2** : 1
K1	1 1 1	−41	−121	0	2	− 4, 1, 1, 2	4, 1, 1, 2	4, 1, 1, 2	I_4,I_1,I_1,I_2	**2** : 2
K2	1 1 1	−661	−6817	0	2	+ 2, 2, 2, 1	2, 2, 2, 1	2, 2, 2, 1	I_2,I_2,I_2,I_1	**2** : 1
L1	1 1 1	−23051	1344449	0	1	− 3, 3, 13, 1	3, 3, 13, 1	3, 1, 1, 1	I_3,I_3,I_{13},I_1	
M1	1 1 1	39	39	1	2	− 6, 4, 2, 1	6, 4, 2, 1	6, 2, 2, 1	I_6,I_4,I_2,I_1	**2** : 2
M2	1 1 1	−161	119	1	2	+ 3, 8, 1, 2	3, 8, 1, 2	3, 2, 1, 2	I_3,I_8,I_1,I_2	**2** : 1
N1	1 0 0	1389	−22239	0	6	− 12, 9, 1, 2	12, 9, 1, 2	12, 9, 1, 2	I_{12},I_9,I_1,I_2	**2** : 2; **3** : 3
N2	1 0 0	−8531	−218655	0	6	+ 6, 18, 2, 1	6, 18, 2, 1	6, 18, 2, 1	I_6,I_{18},I_2,I_1	**2** : 1; **3** : 4
N3	1 0 0	−39651	−3060495	0	2	− 4, 3, 3, 6	4, 3, 3, 6	4, 3, 1, 6	I_4,I_3,I_3,I_6	**2** : 4; **3** : 1
N4	1 0 0	−635471	−195033699	0	2	+ 2, 6, 6, 3	2, 6, 6, 3	2, 6, 2, 3	I_2,I_6,I_6,I_3	**2** : 3; **3** : 2
O1	1 0 0	60	−1008	0	4	− 16, 2, 2, 1	16, 2, 2, 1	16, 2, 2, 1	I_{16},I_2,I_2,I_1	**2** : 2
O2	1 0 0	−1220	−15600	0	8	+ 8, 4, 4, 2	8, 4, 4, 2	8, 4, 4, 2	I_8,I_4,I_4,I_2	**2** : 1, 3, 4
O3	1 0 0	−19220	−1027200	0	4	+ 4, 2, 2, 4	4, 2, 2, 4	4, 2, 2, 2	I_4,I_2,I_2,I_4	**2** : 2, 5, 6
O4	1 0 0	−3700	67232	0	8	+ 4, 8, 8, 1	4, 8, 8, 1	4, 8, 8, 1	I_4,I_8,I_8,I_1	**2** : 2
O5	1 0 0	−307520	−65664060	0	2	+ 2, 1, 1, 2	2, 1, 1, 2	2, 1, 1, 2	I_2,I_1,I_1,I_2	**2** : 3
O6	1 0 0	−18920	−1060740	0	2	− 2, 1, 1, 8	2, 1, 1, 8	2, 1, 1, 2	I_2,I_1,I_1,I_8	**2** : 3

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

931 $N = 931 = 7^2 \cdot 19$ (3 isogeny classes) 931

A1	0	−1	1	−114	727	0	1	−	8, 1	0, 1	3, 1	IV*,I_1	
B1	0	−1	1	33	−8	0	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	**3** : 2
B2	0	−1	1	−457	4157	0	1	−	6, 3	0, 3	1, 1	I_0^*,I_3	**3** : 1, 3
B3	0	−1	1	−37697	2829742	0	1	−	6, 1	0, 1	1, 1	I_0^*,I_1	**3** : 2
C1	0	1	1	−2	−3	0	1	−	2, 1	0, 1	1, 1	II,I_1	

933 $N = 933 = 3 \cdot 311$ (2 isogeny classes) 933

A1	0	−1	1	−3	−1	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
B1	0	1	1	−399	−3184	1	1	+	11, 1	11, 1	11, 1	I_{11},I_1	

934 $N = 934 = 2 \cdot 467$ (3 isogeny classes) 934

A1	1	0	1	−3	0	1	1	+	1, 1	1, 1	1, 1	I_1,I_1	
B1	1	0	0	−129	521	0	3	+	15, 1	15, 1	15, 1	I_{15},I_1	**3** : 2
B2	1	0	0	−1889	−31639	0	1	+	5, 3	5, 3	5, 1	I_5,I_3	**3** : 1
C1	1	−1	1	−183	−905	0	1	+	3, 1	3, 1	3, 1	I_3,I_1	

935 $N = 935 = 5 \cdot 11 \cdot 17$ (2 isogeny classes) 935

A1	0	1	1	−1	−4	1	1	−	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	
B1	0	1	1	−13155	576381	0	3	−	6, 3, 1	6, 3, 1	6, 1, 1	I_6,I_3,I_1	**3** : 2
B2	0	1	1	−9655	893306	0	1	−	2, 9, 3	2, 9, 3	2, 1, 1	I_2,I_9,I_3	**3** : 1

936 $N = 936 = 2^3 \cdot 3^2 \cdot 13$ (9 isogeny classes) 936

A1	0	0	0	9	10	1	2	−	8, 3, 1	0, 0, 1	2, 2, 1	I_1^*,III,I_1	**2** : 2
A2	0	0	0	−51	94	1	2	+	10, 3, 2	0, 0, 2	2, 2, 2	III*,III,I_2	**2** : 1
B1	0	0	0	−147	718	0	1	−	11, 6, 1	0, 0, 1	1, 1, 1	II*,I_0^*,I_1	
C1	0	0	0	42	−335	0	2	−	4, 9, 2	0, 3, 2	2, 2, 2	III,I_3^*,I_2	**2** : 2
C2	0	0	0	−543	−4430	0	2	+	8, 12, 1	0, 6, 1	2, 4, 1	I_1^*,I_6^*,I_1	**2** : 1
D1	0	0	0	−5862	−162295	0	2	+	4, 16, 3	0, 10, 3	2, 4, 1	III,I_{10}^*,I_3	**2** : 2
D2	0	0	0	5073	−698110	0	2	−	8, 11, 6	0, 5, 6	2, 4, 2	I_1^*,I_5^*,I_6	**2** : 1
E1	0	0	0	−66	−119	1	2	+	4, 10, 1	0, 4, 1	2, 4, 1	III,I_4^*,I_1	**2** : 2
E2	0	0	0	−471	3850	1	4	+	8, 8, 2	0, 2, 2	2, 4, 2	I_1^*,I_2^*,I_2	**2** : 1, 3, 4
E3	0	0	0	−7491	249550	1	4	+	10, 7, 1	0, 1, 1	2, 4, 1	III*,I_1^*,I_1	**2** : 2
E4	0	0	0	69	12166	1	2	−	10, 7, 4	0, 1, 4	2, 2, 4	III*,I_1^*,I_4	**2** : 2
F1	0	0	0	81	−270	0	2	−	8, 9, 1	0, 0, 1	4, 2, 1	I_1^*,III*,I_1	**2** : 2
F2	0	0	0	−459	−2538	0	2	+	10, 9, 2	0, 0, 2	2, 2, 2	III*,III*,I_2	**2** : 1
G1	0	0	0	−30	133	1	2	−	4, 7, 2	0, 1, 2	2, 2, 2	III,I_1^*,I_2	**2** : 2
G2	0	0	0	−615	5866	1	2	+	8, 8, 1	0, 2, 1	4, 4, 1	I_1^*,I_2^*,I_1	**2** : 1
H1	0	0	0	−30	29	1	2	+	4, 8, 1	0, 2, 1	2, 4, 1	III,I_2^*,I_1	**2** : 2
H2	0	0	0	105	218	1	2	−	8, 7, 2	0, 1, 2	4, 4, 2	I_1^*,I_1^*,I_2	**2** : 1
I1	0	0	0	−354	−2563	0	2	+	4, 8, 1	0, 2, 1	2, 4, 1	III,I_2^*,I_1	**2** : 2
I2	0	0	0	−399	−1870	0	4	+	8, 10, 2	0, 4, 2	4, 4, 2	I_1^*,I_4^*,I_2	**2** : 1, 3, 4
I3	0	0	0	−2739	53822	0	2	+	10, 14, 1	0, 8, 1	2, 4, 1	III*,I_8^*,I_1	**2** : 2
I4	0	0	0	1221	−13210	0	2	−	10, 8, 4	0, 2, 4	2, 2, 4	III*,I_2^*,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
938							$N = 938 = 2 \cdot 7 \cdot 67$		(4 isogeny classes)				**938**
A1	1	0	1	−4	−2	1	1	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	
B1	1	0	1	−365	13608	1	2	−	10, 5, 2	10, 5, 2	2, 5, 2	I_{10},I_5,I_2	**2** : 2
B2	1	0	1	−11085	446696	1	2	+	5, 10, 1	5, 10, 1	1, 10, 1	I_5,I_{10},I_1	**2** : 1
C1	1	1	1	−56	−135	1	1	+	8, 3, 1	8, 3, 1	8, 3, 1	I_8,I_3,I_1	
D1	1	0	0	−179	737	0	3	+	18, 1, 1	18, 1, 1	18, 1, 1	I_{18},I_1,I_1	**3** : 2
D2	1	0	0	−4339	−110303	0	3	+	6, 3, 3	6, 3, 3	6, 3, 3	I_6,I_3,I_3	**3** : 1, 3
D3	1	0	0	−351399	−80206123	0	1	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**3** : 2
939							$N = 939 = 3 \cdot 313$		(3 isogeny classes)				**939**
A1	0	−1	1	−321	−9817	1	1	−	17, 1	17, 1	1, 1	I_{17},I_1	
B1	1	0	1	−6	−5	1	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
B2	1	0	1	9	−23	1	2	−	1, 2	1, 2	1, 2	I_1,I_2	**2** : 1
C1	0	1	1	4	14	1	1	−	5, 1	5, 1	5, 1	I_5,I_1	
940							$N = 940 = 2^2 \cdot 5 \cdot 47$		(5 isogeny classes)				**940**
A1	0	1	0	21619	−57905	0	1	−	8, 1, 7	0, 1, 7	3, 1, 1	IV*,I_1,I_7	
B1	0	0	0	−103	398	0	1	+	8, 3, 1	0, 3, 1	1, 1, 1	IV*,I_3,I_1	
C1	0	1	0	−7076	226340	1	3	+	8, 5, 3	0, 5, 3	3, 1, 3	IV*,I_5,I_3	**3** : 2
C2	0	1	0	−31516	−1956716	1	1	+	8, 15, 1	0, 15, 1	1, 1, 1	IV*,I_{15},I_1	**3** : 1
D1	0	−1	0	−20	40	1	1	+	8, 1, 1	0, 1, 1	3, 1, 1	IV*,I_1,I_1	
E1	0	−1	0	−45	−103	0	1	−	8, 1, 1	0, 1, 1	3, 1, 1	IV*,I_1,I_1	
942							$N = 942 = 2 \cdot 3 \cdot 157$		(4 isogeny classes)				**942**
A1	1	0	1	15	4	0	1	−	9, 1, 1	9, 1, 1	1, 1, 1	I_9,I_1,I_1	
B1	1	1	1	−215539	−38605903	0	1	−	8, 18, 1	8, 18, 1	8, 2, 1	I_8,I_{18},I_1	
C1	1	0	0	146	37508	1	1	−	16, 10, 1	16, 10, 1	16, 10, 1	I_{16},I_{10},I_1	
D1	1	0	0	−65	201	1	1	−	6, 4, 1	6, 4, 1	6, 4, 1	I_6,I_4,I_1	
943							$N = 943 = 23 \cdot 41$		(1 isogeny class)				**943**
A1	1	−1	0	−13	24	0	2	−	1, 2	1, 2	1, 2	I_1,I_2	**2** : 2
A2	1	−1	0	−218	1295	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 1
944							$N = 944 = 2^4 \cdot 59$		(11 isogeny classes)				**944**
A1	0	1	0	4	−4	1	1	−	8, 1	0, 1	2, 1	I_0^*,I_1	
B1	0	1	0	−276	1676	1	1	−	8, 1	0, 1	2, 1	I_0^*,I_1	
C1	0	1	0	8	−12	1	1	−	11, 1	0, 1	4, 1	I_3^*,I_1	
D1	0	0	0	2	−1	0	1	−	4, 1	0, 1	1, 1	II,I_1	
E1	0	0	0	−19	34	2	1	−	10, 1	0, 1	4, 1	I_2^*,I_1	
F1	0	1	0	−1	−2	0	1	−	4, 1	0, 1	1, 1	II,I_1	
G1	0	1	0	888	14068	0	1	−	31, 1	19, 1	2, 1	I_{23}^*,I_1	
H1	0	1	0	−400	−3308	1	1	−	22, 1	10, 1	4, 1	I_{14}^*,I_1	**5** : 2
H2	0	1	0	1840	162452	1	1	−	14, 5	2, 5	4, 5	I_6^*,I_5	**5** : 1
I1	0	1	0	8	−44	1	1	−	14, 1	2, 1	4, 1	I_6^*,I_1	

	a_1	a_2	a_3	a_4	a_6	r	$\|\mathrm{T}\|$	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
944					$N = 944 = 2^4 \cdot 59$ (continued)								**944**
J1	0	−1	0	−9	−8	1	1	−	4, 1	0, 1	1, 1	II,I_1	**3** : 2
J2	0	−1	0	31	−68	1	1	−	4, 3	0, 3	1, 3	II,I_3	**3** : 1
K1	0	1	0	−64	180	1	1	−	13, 1	1, 1	4, 1	I_5^*,I_1	
946					$N = 946 = 2 \cdot 11 \cdot 43$ (3 isogeny classes)								**946**
A1	1	−1	0	−11	−11	0	2	+	4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	**2** : 2
A2	1	−1	0	−31	57	0	4	+	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1, 3, 4
A3	1	−1	0	−461	3927	0	2	+	1, 4, 1	1, 4, 1	1, 2, 1	I_1,I_4,I_1	**2** : 2
A4	1	−1	0	79	299	0	2	−	1, 1, 4	1, 1, 4	1, 1, 4	I_1,I_1,I_4	**2** : 2
B1	1	0	1	14	−8	1	3	−	2, 3, 1	2, 3, 1	2, 3, 1	I_2,I_3,I_1	**3** : 2
B2	1	0	1	−261	−1680	1	1	−	6, 1, 3	6, 1, 3	2, 1, 3	I_6,I_1,I_3	**3** : 1
C1	1	0	0	−1806	−29692	0	1	−	10, 1, 1	10, 1, 1	10, 1, 1	I_{10},I_1,I_1	
948					$N = 948 = 2^2 \cdot 3 \cdot 79$ (3 isogeny classes)								**948**
A1	0	−1	0	−17	−78	0	2	−	4, 3, 2	0, 3, 2	3, 1, 2	IV,I_3,I_2	**2** : 2
A2	0	−1	0	−412	−3080	0	2	+	8, 6, 1	0, 6, 1	3, 2, 1	IV^*,I_6,I_1	**2** : 1
B1	0	−1	0	−796	8968	0	1	−	8, 9, 1	0, 9, 1	1, 1, 1	IV^*,I_9,I_1	
C1	0	1	0	12	36	0	3	−	8, 3, 1	0, 3, 1	3, 3, 1	IV^*,I_3,I_1	**3** : 2
C2	0	1	0	−108	−1068	0	1	−	8, 1, 3	0, 1, 3	1, 1, 3	IV^*,I_1,I_3	**3** : 1
950					$N = 950 = 2 \cdot 5^2 \cdot 19$ (5 isogeny classes)								**950**
A1	1	0	1	−1	148	1	1	−	5, 6, 1	5, 0, 1	1, 2, 1	I_5,I_0^*,I_1	**5** : 2
A2	1	0	1	−1751	−31352	1	1	−	1, 6, 5	1, 0, 5	1, 2, 1	I_1,I_0^*,I_5	**5** : 1
B1	1	1	0	−750	−12500	0	1	−	3, 12, 1	3, 6, 1	1, 2, 1	I_3,I_6^*,I_1	**3** : 2
B2	1	1	0	−69500	−7081250	0	1	−	1, 8, 3	1, 2, 3	1, 2, 3	I_1,I_2^*,I_3	**3** : 1
C1	1	−1	0	−1192	17216	0	1	−	11, 8, 1	11, 2, 1	1, 2, 1	I_{11},I_2^*,I_1	
D1	1	0	0	37	167	0	1	−	1, 8, 1	1, 2, 1	1, 2, 1	I_1,I_2^*,I_1	
E1	1	1	1	−388	2781	1	1	−	3, 6, 1	3, 0, 1	3, 2, 1	I_3,I_0^*,I_1	**3** : 2
E2	1	1	1	237	11281	1	1	−	9, 6, 3	9, 0, 3	9, 2, 3	I_9,I_0^*,I_3	**3** : 1, 3
E3	1	1	1	−2138	−306969	1	1	−	27, 6, 1	27, 0, 1	27, 2, 1	I_{27},I_0^*,I_1	**3** : 2
954					$N = 954 = 2 \cdot 3^2 \cdot 53$ (13 isogeny classes)								**954**
A1	1	−1	0	−96	−640	1	1	−	7, 9, 1	7, 0, 1	1, 2, 1	I_7,III^*,I_1	
B1	1	−1	0	12	−100	0	2	−	2, 9, 1	2, 0, 1	2, 2, 1	I_2,III^*,I_1	**2** : 2
B2	1	−1	0	−258	−1450	0	2	+	1, 9, 2	1, 0, 2	1, 2, 2	I_1,III^*,I_2	**2** : 1
C1	1	−1	0	−108	−1328	0	1	−	11, 8, 1	11, 2, 1	1, 2, 1	I_{11},I_2^*,I_1	
D1	1	−1	0	18	202	1	1	−	1, 11, 1	1, 5, 1	1, 4, 1	I_1,I_5^*,I_1	
E1	1	−1	0	−2547	63477	1	1	−	24, 6, 1	24, 0, 1	2, 1, 1	I_{24},I_0^*,I_1	**3** : 2
E2	1	−1	0	−221427	40159989	1	3	−	8, 6, 3	8, 0, 3	2, 1, 3	I_8,I_0^*,I_3	**3** : 1
F1	1	−1	0	9	−27	1	1	−	3, 6, 1	3, 0, 1	1, 2, 1	I_3,I_0^*,I_1	**3** : 2
F2	1	−1	0	−81	783	1	3	−	1, 6, 3	1, 0, 3	1, 2, 3	I_1,I_0^*,I_3	**3** : 1
G1	1	−1	1	1	3	0	2	−	2, 3, 1	2, 0, 1	2, 2, 1	I_2,III,I_1	**2** : 2
G2	1	−1	1	−29	63	0	2	+	1, 3, 2	1, 0, 2	1, 2, 2	I_1,III,I_2	**2** : 1
H1	1	−1	1	−11	27	1	1	−	7, 3, 1	7, 0, 1	7, 2, 1	I_7,III,I_1	
I1	1	−1	1	−248	1563	1	1	−	5, 6, 1	5, 0, 1	5, 2, 1	I_5,I_0^*,I_1	

	a_1 a_2 a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

954 $N = 954 = 2 \cdot 3^2 \cdot 53$ (continued) 954

J1	1 −1 1	1273	−3585	1	1	− 17, 9, 1	17, 3, 1	17, 4, 1	I_{17},I_3^*,I_1	
K1	1 −1 1	−545	−4759	0	1	− 3, 9, 1	3, 3, 1	3, 2, 1	I_3,I_3^*,I_1	**3** : 2
K2	1 −1 1	400	−19501	0	3	− 9, 7, 3	9, 1, 3	9, 2, 3	I_9,I_1^*,I_3	**3** : 1
L1	1 −1 1	58	303	0	1	− 1, 12, 1	1, 6, 1	1, 2, 1	I_1,I_6^*,I_1	
M1	1 −1 1	−68	−201	0	1	− 4, 6, 1	4, 0, 1	4, 1, 1	I_4,I_0^*,I_1	

955 $N = 955 = 5 \cdot 191$ (1 isogeny class) 955

A1	1 −1 1	−1038	13292	0	2	− 10, 1	10, 1	2, 1	I_{10},I_1	**2** : 2
A2	1 −1 1	−16663	832042	0	2	+ 5, 2	5, 2	1, 2	I_5,I_2	**2** : 1

956 $N = 956 = 2^2 \cdot 239$ (1 isogeny class) 956

A1	0 0 0	−1	−3	0	1	− 4, 1	0, 1	1, 1	IV,I_1	

957 $N = 957 = 3 \cdot 11 \cdot 29$ (1 isogeny class) 957

A1	1 1 0	−491	3984	0	2	+ 7, 1, 2	7, 1, 2	1, 1, 2	I_7,I_1,I_2	**2** : 2
A2	1 1 0	−346	6565	0	2	− 14, 2, 1	14, 2, 1	2, 2, 1	I_{14},I_2,I_1	**2** : 1

960 $N = 960 = 2^6 \cdot 3 \cdot 5$ (16 isogeny classes) 960

A1	0 −1 0	4	6	1	2	− 6, 4, 1	0, 4, 1	1, 2, 1	II,I_4,I_1	**2** : 2
A2	0 −1 0	−41	105	1	4	+ 12, 2, 2	0, 2, 2	4, 2, 2	I_2^*,I_2,I_2	**2** : 1, 3, 4
A3	0 −1 0	−161	−639	1	2	+ 15, 1, 4	0, 1, 4	2, 1, 2	I_5^*,I_1,I_4	**2** : 2
A4	0 −1 0	−641	6465	1	2	+ 15, 1, 1	0, 1, 1	2, 1, 1	I_5^*,I_1,I_1	**2** : 2
B1	0 −1 0	−61	205	1	2	+ 10, 2, 1	0, 2, 1	2, 2, 1	I_0^*,I_2,I_1	**2** : 2
B2	0 −1 0	−81	81	1	4	+ 14, 4, 2	0, 4, 2	4, 2, 2	I_4^*,I_4,I_2	**2** : 1, 3, 4
B3	0 −1 0	−801	−8415	1	4	+ 16, 2, 4	0, 2, 4	4, 2, 2	I_6^*,I_2,I_4	**2** : 2, 5, 6
B4	0 −1 0	319	321	1	2	− 16, 8, 1	0, 8, 1	2, 2, 1	I_6^*,I_8,I_1	**2** : 2
B5	0 −1 0	−12801	−553215	1	2	+ 17, 1, 2	0, 1, 2	2, 1, 2	I_7^*,I_1,I_2	**2** : 3
B6	0 −1 0	−321	−18879	1	2	− 17, 1, 8	0, 1, 8	2, 1, 2	I_7^*,I_1,I_8	**2** : 3
C1	0 −1 0	15	−15	0	2	− 14, 1, 1	0, 1, 1	4, 1, 1	I_4^*,I_1,I_1	**2** : 2
C2	0 −1 0	−65	−63	0	4	+ 16, 2, 2	0, 2, 2	4, 2, 2	I_6^*,I_2,I_2	**2** : 1, 3, 4
C3	0 −1 0	−865	−9503	0	2	+ 17, 4, 1	0, 4, 1	4, 2, 1	I_7^*,I_4,I_1	**2** : 2
C4	0 −1 0	−545	5025	0	4	+ 17, 1, 4	0, 1, 4	4, 1, 4	I_7^*,I_1,I_4	**2** : 2
D1	0 −1 0	−900	−10098	0	2	+ 6, 3, 2	0, 3, 2	1, 1, 2	II,I_3,I_2	**2** : 2
D2	0 −1 0	−905	−9975	0	4	+ 12, 6, 4	0, 6, 4	4, 2, 4	I_2^*,I_6,I_4	**2** : 1, 3, 4
D3	0 −1 0	−1985	19617	0	4	+ 15, 3, 8	0, 3, 8	4, 1, 8	I_5^*,I_3,I_8	**2** : 2
D4	0 −1 0	95	−31775	0	2	− 15, 12, 2	0, 12, 2	4, 2, 2	I_5^*,I_{12},I_2	**2** : 2
E1	0 −1 0	95	1057	0	2	− 22, 3, 1	4, 3, 1	4, 1, 1	I_{12}^*,I_3,I_1	**2** : 2; **3** : 3
E2	0 −1 0	−1185	14625	0	4	+ 20, 6, 2	2, 6, 2	4, 2, 2	I_{10}^*,I_6,I_2	**2** : 1, 4, 5; **3** : 6
E3	0 −1 0	−865	−31775	0	2	− 30, 1, 3	12, 1, 3	4, 1, 3	I_{20}^*,I_1,I_3	**2** : 6; **3** : 1
E4	0 −1 0	−4385	−94815	0	2	+ 19, 12, 1	1, 12, 1	4, 2, 1	I_9^*,I_{12},I_1	**2** : 2; **3** : 7
E5	0 −1 0	−18465	971937	0	4	+ 19, 3, 4	1, 3, 4	4, 1, 4	I_9^*,I_3,I_4	**2** : 2; **3** : 8
E6	0 −1 0	−21345	−1190943	0	4	+ 24, 2, 6	6, 2, 6	4, 2, 6	I_{14}^*,I_2,I_6	**2** : 3, 7, 8; **3** : 2
E7	0 −1 0	−341345	−76646943	0	2	+ 21, 4, 3	3, 4, 3	4, 2, 3	I_{11}^*,I_4,I_3	**2** : 6; **3** : 4
E8	0 −1 0	−29025	−249375	0	4	+ 21, 1, 12	3, 1, 12	4, 1, 12	I_{11}^*,I_1,I_{12}	**2** : 6; **3** : 5

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

960 $N = 960 = 2^6 \cdot 3 \cdot 5$ (continued) **960**

F1	0	1	0	4	−6	0	2	−	6, 4, 1	0, 4, 1	1, 4, 1	II,I_4,I_1	**2** : 2
F2	0	1	0	−41	−105	0	4	+	12, 2, 2	0, 2, 2	4, 2, 2	I_2^*,I_2,I_2	**2** : 1, 3, 4
F3	0	1	0	−641	−6465	0	2	+	15, 1, 1	0, 1, 1	2, 1, 1	I_5^*,I_1,I_1	**2** : 2
F4	0	1	0	−161	639	0	2	+	15, 1, 4	0, 1, 4	2, 1, 2	I_5^*,I_1,I_4	**2** : 2
G1	0	1	0	−1	95	0	2	−	18, 1, 1	0, 1, 1	4, 1, 1	I_8^*,I_1,I_1	**2** : 2
G2	0	1	0	−321	2079	0	4	+	18, 2, 2	0, 2, 2	4, 2, 2	I_8^*,I_2,I_2	**2** : 1, 3, 4
G3	0	1	0	−641	−3105	0	4	+	18, 4, 4	0, 4, 4	4, 4, 2	I_8^*,I_4,I_4	**2** : 2, 5, 6
G4	0	1	0	−5121	139359	0	2	+	18, 1, 1	0, 1, 1	4, 1, 1	I_8^*,I_1,I_1	**2** : 2
G5	0	1	0	−8641	−311905	0	4	+	18, 8, 2	0, 8, 2	4, 8, 2	I_8^*,I_8,I_2	**2** : 3, 7, 8
G6	0	1	0	2239	−20961	0	2	−	18, 2, 8	0, 2, 8	4, 2, 2	I_8^*,I_2,I_8	**2** : 3
G7	0	1	0	−138241	−19829665	0	2	+	18, 4, 1	0, 4, 1	2, 4, 1	I_8^*,I_4,I_1	**2** : 5
G8	0	1	0	−7041	−429345	0	2	−	18, 16, 1	0, 16, 1	2, 16, 1	I_8^*,I_{16},I_1	**2** : 5
H1	0	1	0	−900	10098	1	2	+	6, 3, 2	0, 3, 2	1, 3, 2	II,I_3,I_2	**2** : 2
H2	0	1	0	−905	9975	1	4	+	12, 6, 4	0, 6, 4	4, 6, 4	I_2^*,I_6,I_4	**2** : 1, 3, 4
H3	0	1	0	−1985	−19617	1	2	+	15, 3, 8	0, 3, 8	4, 3, 8	I_5^*,I_3,I_8	**2** : 2
H4	0	1	0	95	31775	1	4	−	15, 12, 2	0, 12, 2	4, 12, 2	I_5^*,I_{12},I_2	**2** : 2
I1	0	−1	0	−1	−95	0	2	−	18, 1, 1	0, 1, 1	4, 1, 1	I_8^*,I_1,I_1	**2** : 2
I2	0	−1	0	−321	−2079	0	4	+	18, 2, 2	0, 2, 2	4, 2, 2	I_8^*,I_2,I_2	**2** : 1, 3, 4
I3	0	−1	0	−5121	−139359	0	2	+	18, 1, 1	0, 1, 1	2, 1, 1	I_8^*,I_1,I_1	**2** : 2
I4	0	−1	0	−641	3105	0	4	+	18, 4, 4	0, 4, 4	4, 2, 2	I_8^*,I_4,I_4	**2** : 2, 5, 6
I5	0	−1	0	−8641	311905	0	4	+	18, 8, 2	0, 8, 2	4, 2, 2	I_8^*,I_8,I_2	**2** : 4, 7, 8
I6	0	−1	0	2239	20961	0	2	−	18, 2, 8	0, 2, 8	2, 2, 2	I_8^*,I_2,I_8	**2** : 4
I7	0	−1	0	−138241	19829665	0	2	+	18, 4, 1	0, 4, 1	2, 2, 1	I_8^*,I_4,I_1	**2** : 5
I8	0	−1	0	−7041	429345	0	2	−	18, 16, 1	0, 16, 1	4, 2, 1	I_8^*,I_{16},I_1	**2** : 5
J1	0	−1	0	4	−30	0	2	−	6, 2, 4	0, 2, 4	1, 2, 2	II,I_2,I_4	**2** : 2
J2	0	−1	0	−121	−455	0	4	+	12, 4, 2	0, 4, 2	4, 2, 2	I_2^*,I_4,I_2	**2** : 1, 3, 4
J3	0	−1	0	−1921	−31775	0	2	+	15, 2, 1	0, 2, 1	4, 2, 1	I_5^*,I_2,I_1	**2** : 2
J4	0	−1	0	−321	1665	0	2	+	15, 8, 1	0, 8, 1	2, 2, 1	I_5^*,I_8,I_1	**2** : 2
K1	0	−1	0	−20	42	1	2	+	6, 1, 1	0, 1, 1	1, 1, 1	II,I_1,I_1	**2** : 2
K2	0	−1	0	−25	25	1	4	+	12, 2, 2	0, 2, 2	4, 2, 2	I_2^*,I_2,I_2	**2** : 1, 3, 4
K3	0	−1	0	−225	−1215	1	2	+	15, 4, 1	0, 4, 1	2, 2, 1	I_5^*,I_4,I_1	**2** : 2
K4	0	−1	0	95	97	1	4	−	15, 1, 4	0, 1, 4	4, 1, 4	I_5^*,I_1,I_4	**2** : 2
L1	0	1	0	−61	−205	1	2	+	10, 2, 1	0, 2, 1	2, 2, 1	I_0^*,I_2,I_1	**2** : 2
L2	0	1	0	−81	−81	1	4	+	14, 4, 2	0, 4, 2	4, 4, 2	I_4^*,I_4,I_2	**2** : 1, 3, 4
L3	0	1	0	−801	8415	1	4	+	16, 2, 4	0, 2, 4	4, 2, 2	I_6^*,I_2,I_4	**2** : 2, 5, 6
L4	0	1	0	319	−321	1	2	−	16, 8, 1	0, 8, 1	4, 8, 1	I_6^*,I_8,I_1	**2** : 2
L5	0	1	0	−12801	553215	1	2	+	17, 1, 2	0, 1, 2	4, 1, 2	I_7^*,I_1,I_2	**2** : 3
L6	0	1	0	−321	18879	1	2	−	17, 1, 8	0, 1, 8	2, 1, 2	I_7^*,I_1,I_8	**2** : 3
M1	0	1	0	4	30	1	2	−	6, 2, 4	0, 2, 4	1, 2, 2	II,I_2,I_4	**2** : 2
M2	0	1	0	−121	455	1	4	+	12, 4, 2	0, 4, 2	4, 4, 2	I_2^*,I_4,I_2	**2** : 1, 3, 4
M3	0	1	0	−321	−1665	1	2	+	15, 8, 1	0, 8, 1	4, 8, 1	I_5^*,I_8,I_1	**2** : 2
M4	0	1	0	−1921	31775	1	2	+	15, 2, 1	0, 2, 1	2, 2, 1	I_5^*,I_2,I_1	**2** : 2
N1	0	1	0	−20	−42	0	2	+	6, 1, 1	0, 1, 1	1, 1, 1	II,I_1,I_1	**2** : 2
N2	0	1	0	−25	−25	0	4	+	12, 2, 2	0, 2, 2	4, 2, 2	I_2^*,I_2,I_2	**2** : 1, 3, 4
N3	0	1	0	−225	1215	0	4	+	15, 4, 1	0, 4, 1	4, 4, 1	I_5^*,I_4,I_1	**2** : 2
N4	0	1	0	95	−97	0	2	−	15, 1, 4	0, 1, 4	2, 1, 4	I_5^*,I_1,I_4	**2** : 2

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

960 $N = 960 = 2^6 \cdot 3 \cdot 5$ (continued) 960

O1	0	1	0	95	−1057	0	2	−	22, 3, 1	4, 3, 1	4, 3, 1	I_{12}^*,I_3,I_1	**2** : 2; **3** : 3
O2	0	1	0	−1185	−14625	0	4	+	20, 6, 2	2, 6, 2	4, 6, 2	I_{10}^*,I_6,I_2	**2** : 1, 4, 5; **3** : 6
O3	0	1	0	−865	31775	0	2	−	30, 1, 3	12, 1, 3	4, 1, 3	I_{20}^*,I_1,I_3	**2** : 6; **3** : 1
O4	0	1	0	−18465	−971937	0	2	+	19, 3, 4	1, 3, 4	2, 3, 4	I_9^*,I_3,I_4	**2** : 2; **3** : 7
O5	0	1	0	−4385	94815	0	4	+	19, 12, 1	1, 12, 1	4, 12, 1	I_9^*,I_{12},I_1	**2** : 2; **3** : 8
O6	0	1	0	−21345	1190943	0	4	+	24, 2, 6	6, 2, 6	4, 2, 6	I_{14}^*,I_2,I_6	**2** : 3, 7, 8; **3** : 2
O7	0	1	0	−29025	249375	0	2	+	21, 1, 12	3, 1, 12	2, 1, 12	I_{11}^*,I_1,I_{12}	**2** : 6; **3** : 4
O8	0	1	0	−341345	76646943	0	4	+	21, 4, 3	3, 4, 3	4, 4, 3	I_{11}^*,I_4,I_3	**2** : 6; **3** : 5
P1	0	1	0	15	15	0	2	−	14, 1, 1	0, 1, 1	4, 1, 1	I_4^*,I_1,I_1	**2** : 2
P2	0	1	0	−65	63	0	4	+	16, 2, 2	0, 2, 2	4, 2, 2	I_6^*,I_2,I_2	**2** : 1, 3, 4
P3	0	1	0	−545	−5025	0	2	+	17, 1, 4	0, 1, 4	2, 1, 4	I_7^*,I_1,I_4	**2** : 2
P4	0	1	0	−865	9503	0	4	+	17, 4, 1	0, 4, 1	4, 4, 1	I_7^*,I_4,I_1	**2** : 2

962 $N = 962 = 2 \cdot 13 \cdot 37$ (1 isogeny class) 962

A1	1	−1	1	−9	−7	0	2	+	4, 1, 1	4, 1, 1	4, 1, 1	I_4,I_1,I_1	**2** : 2
A2	1	−1	1	11	−47	0	2	−	2, 2, 2	2, 2, 2	2, 2, 2	I_2,I_2,I_2	**2** : 1

964 $N = 964 = 2^2 \cdot 241$ (1 isogeny class) 964

A1	0	1	0	−20	−44	0	1	−	8, 1	0, 1	1, 1	IV*,I_1	

965 $N = 965 = 5 \cdot 193$ (1 isogeny class) 965

A1	1	−1	0	−100	411	0	2	+	2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1	−1	0	−95	450	0	2	−	4, 2	4, 2	2, 2	I_4,I_2	**2** : 1

966 $N = 966 = 2 \cdot 3 \cdot 7 \cdot 23$ (11 isogeny classes) 966

A1	1	1	0	334	5556	1	2	−	10, 4, 3, 2	10, 4, 3, 2	2, 2, 1, 2	I_{10},I_4,I_3,I_2	**2** : 2
A2	1	1	0	−3346	63700	1	2	+	5, 8, 6, 1	5, 8, 6, 1	1, 2, 2, 1	I_5,I_8,I_6,I_1	**2** : 1
B1	1	1	0	−5131	−144323	0	1	−	13, 3, 5, 1	13, 3, 5, 1	1, 1, 5, 1	I_{13},I_3,I_5,I_1	
C1	1	1	0	−14744	836928	1	2	−	22, 8, 1, 2	22, 8, 1, 2	2, 2, 1, 2	I_{22},I_8,I_1,I_2	**2** : 2
C2	1	1	0	−250264	48082240	1	2	+	11, 16, 2, 1	11, 16, 2, 1	1, 2, 2, 1	I_{11},I_{16},I_2,I_1	**2** : 1
D1	1	1	0	18	0	1	2	−	2, 4, 2, 1	2, 4, 2, 1	2, 2, 2, 1	I_2,I_4,I_2,I_1	**2** : 2
D2	1	1	0	−72	−90	1	2	+	1, 2, 4, 2	1, 2, 4, 2	1, 2, 4, 2	I_1,I_2,I_4,I_2	**2** : 1
E1	1	0	1	−1	116	1	2	−	6, 4, 2, 1	6, 4, 2, 1	2, 4, 2, 1	I_6,I_4,I_2,I_1	**2** : 2
E2	1	0	1	−361	2564	1	2	+	3, 2, 4, 2	3, 2, 4, 2	1, 2, 2, 2	I_3,I_2,I_4,I_2	**2** : 1
F1	1	0	1	4644	858394	0	6	−	10, 12, 2, 3	10, 12, 2, 3	2, 12, 2, 3	I_{10},I_{12},I_2,I_3	**2** : 2; **3** : 3
F2	1	0	1	−111996	13735450	0	6	+	5, 6, 4, 6	5, 6, 4, 6	1, 6, 4, 6	I_5,I_6,I_4,I_6	**2** : 1; **3** : 4
F3	1	0	1	−41931	−23576714	0	2	−	30, 4, 6, 1	30, 4, 6, 1	2, 4, 6, 1	I_{30},I_4,I_6,I_1	**2** : 4; **3** : 1
F4	1	0	1	−1516491	−715440266	0	2	+	15, 2, 12, 2	15, 2, 12, 2	1, 2, 12, 2	I_{15},I_2,I_{12},I_2	**2** : 3; **3** : 2
G1	1	1	1	126	1167	1	4	−	16, 2, 2, 1	16, 2, 2, 1	16, 2, 2, 1	I_{16},I_2,I_2,I_1	**2** : 2
G2	1	1	1	−1154	12431	1	8	+	8, 4, 4, 2	8, 4, 4, 2	8, 2, 4, 2	I_8,I_4,I_4,I_2	**2** : 1, 3, 4
G3	1	1	1	−5074	−128689	1	4	+	4, 8, 2, 4	4, 8, 2, 4	4, 2, 2, 2	I_4,I_8,I_2,I_4	**2** : 2, 5, 6
G4	1	1	1	−17714	900047	1	8	+	4, 2, 8, 1	4, 2, 8, 1	4, 2, 8, 1	I_4,I_2,I_8,I_1	**2** : 2
G5	1	1	1	−79134	−8601153	1	2	+	2, 16, 1, 2	2, 16, 1, 2	2, 2, 1, 2	I_2,I_{16},I_1,I_2	**2** : 3
G6	1	1	1	6266	−609505	1	2	−	2, 4, 1, 8	2, 4, 1, 8	2, 2, 1, 2	I_2,I_4,I_1,I_8	**2** : 3
H1	1	1	1	−615	−6147	0	1	−	5, 9, 1, 1	5, 9, 1, 1	5, 1, 1, 1	I_5,I_9,I_1,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
966								$N = 966 = 2 \cdot 3 \cdot 7 \cdot 23$	(continued)				**966**
I1	1	0	0	−599	−9255	0	4	−	4, 6, 1, 4	4, 6, 1, 4	4, 6, 1, 4	I_4,I_6,I_1,I_4	**2** : 2
I2	1	0	0	−11179	−455731	0	4	+	2, 12, 2, 2	2, 12, 2, 2	2, 12, 2, 2	I_2,I_{12},I_2,I_2	**2** : 1, 3, 4
I3	1	0	0	−178849	−29127301	0	2	+	1, 6, 4, 1	1, 6, 4, 1	1, 6, 2, 1	I_1,I_6,I_4,I_1	**2** : 2
I4	1	0	0	−12789	−316305	0	2	+	1, 24, 1, 1	1, 24, 1, 1	1, 24, 1, 1	I_1,I_{24},I_1,I_1	**2** : 2
J1	1	0	0	9096	224832	0	1	−	9, 1, 11, 1	9, 1, 11, 1	9, 1, 1, 1	I_9,I_1,I_{11},I_1	
K1	1	0	0	3	9	0	3	−	3, 3, 1, 1	3, 3, 1, 1	3, 3, 1, 1	I_3,I_3,I_1,I_1	**3** : 2
K2	1	0	0	−27	−249	0	1	−	1, 1, 3, 3	1, 1, 3, 3	1, 1, 3, 1	I_1,I_1,I_3,I_3	**3** : 1
968								$N = 968 = 2^3 \cdot 11^2$	(5 isogeny classes)				**968**
A1	0	1	0	15	−13	1	1	−	8, 3	0, 0	4, 2	I_1^*,III	
B1	0	0	0	−1331	−29282	0	1	−	10, 8	0, 0	2, 3	III*,IV*	
C1	0	1	0	1775	24451	0	1	−	8, 9	0, 0	2, 2	I_1^*,III*	
D1	0	0	0	−11	22	1	1	−	10, 2	0, 0	2, 1	III*,II	
E1	0	0	0	−484	−5324	1	1	−	8, 7	0, 1	2, 4	I_1^*,I_1^*	
969								$N = 969 = 3 \cdot 17 \cdot 19$	(1 isogeny class)				**969**
A1	1	0	1	−10	−1	0	2	+	2, 1, 2	2, 1, 2	2, 1, 2	I_2,I_1,I_2	**2** : 2
A2	1	0	1	−105	−419	0	2	+	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	**2** : 1
970								$N = 970 = 2 \cdot 5 \cdot 97$	(2 isogeny classes)				**970**
A1	1	0	1	−21444	1420226	0	1	−	11, 13, 1	11, 13, 1	1, 1, 1	I_{11},I_{13},I_1	
B1	1	0	0	−5	−5	0	1	−	1, 1, 1	1, 1, 1	1, 1, 1	I_1,I_1,I_1	
972								$N = 972 = 2^2 \cdot 3^5$	(4 isogeny classes)				**972**
A1	0	0	0	0	−12	0	1	−	8, 5	0, 0	1, 1	IV*,II	**3** : 2
A2	0	0	0	0	324	0	3	−	8, 11	0, 0	3, 3	IV*,IV*	**3** : 1
B1	0	0	0	0	−3	0	1	−	4, 5	0, 0	1, 1	IV,II	**3** : 2
B2	0	0	0	0	81	0	3	−	4, 11	0, 0	3, 3	IV,IV*	**3** : 1
C1	0	0	0	0	9	1	3	−	4, 7	0, 0	3, 3	IV,IV	**3** : 2
C2	0	0	0	0	−243	1	1	−	4, 13	0, 0	1, 1	IV,II*	**3** : 1
D1	0	0	0	0	36	1	3	−	8, 7	0, 0	3, 3	IV*,IV	**3** : 2
D2	0	0	0	0	−972	1	1	−	8, 13	0, 0	1, 1	IV*,II*	**3** : 1
973								$N = 973 = 7 \cdot 139$	(2 isogeny classes)				**973**
A1	0	1	1	−26	43	0	1	+	1, 1	1, 1	1, 1	I_1,I_1	
B1	0	1	1	−203	1048	1	3	+	1, 1	1, 1	1, 1	I_1,I_1	**3** : 2
B2	0	1	1	−253	441	1	3	+	3, 3	3, 3	3, 3	I_3,I_3	**3** : 1, 3
B3	0	1	1	−11373	−470630	1	1	+	9, 1	9, 1	9, 1	I_9,I_1	**3** : 2
974								$N = 974 = 2 \cdot 487$	(8 isogeny classes)				**974**
A1	1	−1	0	−13	−27	0	1	−	9, 1	9, 1	1, 1	I_9,I_1	
B1	1	1	0	−9421	−355915	0	1	−	3, 1	3, 1	1, 1	I_3,I_1	
C1	1	1	0	8	0	0	2	−	6, 1	6, 1	2, 1	I_6,I_1	**2** : 2
C2	1	1	0	−32	−40	0	2	+	3, 2	3, 2	1, 2	I_3,I_2	**2** : 1
D1	1	−1	0	−178	980	0	1	−	15, 1	15, 1	1, 1	I_{15},I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
974					$N = 974 = 2 \cdot 487$ (continued)							**974**
E1	1	1	1	−5	3	1	1	− 3, 1	3, 1	3, 1	I_3,I_1	
F1	1	1	1	−91	297	1	1	− 9, 1	9, 1	9, 1	I_9,I_1	
G1	1	−1	1	3	−3	1	1	− 3, 1	3, 1	3, 1	I_3,I_1	
H1	1	−1	1	51	117	1	1	− 15, 1	15, 1	15, 1	I_{15},I_1	
975					$N = 975 = 3 \cdot 5^2 \cdot 13$ (11 isogeny classes)							**975**
A1	1	1	0	−2750	54375	1	2	+ 4, 7, 1	4, 1, 1	2, 2, 1	I_4,I_1^*,I_1	**2** : 2
A2	1	1	0	−2875	49000	1	4	+ 8, 8, 2	8, 2, 2	2, 4, 2	I_8,I_2^*,I_2	**2** : 1, 3, 4
A3	1	1	0	−13000	−528125	1	4	+ 4, 10, 4	4, 4, 4	2, 4, 2	I_4,I_4^*,I_4	**2** : 2, 5, 6
A4	1	1	0	5250	284625	1	2	− 16, 7, 1	16, 1, 1	2, 2, 1	I_{16},I_1^*,I_1	**2** : 2
A5	1	1	0	−203125	−35321000	1	4	+ 2, 14, 2	2, 8, 2	2, 4, 2	I_2,I_8^*,I_2	**2** : 3, 7, 8
A6	1	1	0	15125	−2468750	1	2	− 2, 8, 8	2, 2, 8	2, 4, 2	I_2,I_2^*,I_8	**2** : 3
A7	1	1	0	−3250000	−2256492875	1	2	+ 1, 10, 1	1, 4, 1	1, 4, 1	I_1,I_4^*,I_1	**2** : 5
A8	1	1	0	−198250	−37090625	1	2	− 1, 22, 1	1, 16, 1	1, 4, 1	I_1,I_{16}^*,I_1	**2** : 5
B1	0	−1	1	−8	−82	1	1	− 1, 7, 1	1, 1, 1	1, 4, 1	I_1,I_1^*,I_1	
C1	1	1	0	300	14625	0	1	− 6, 10, 1	6, 0, 1	2, 1, 1	I_6,II^*,I_1	
D1	0	−1	1	−1658	−40282	0	1	− 3, 13, 1	3, 7, 1	1, 2, 1	I_3,I_7^*,I_1	
E1	1	1	1	−1138	−15844	0	1	− 2, 8, 3	2, 0, 3	2, 1, 1	I_2,IV^*,I_3	
F1	0	−1	1	−83	3818	1	1	− 5, 9, 1	5, 0, 1	1, 2, 1	I_5,III^*,I_1	
G1	1	0	0	12	−33	0	2	− 1, 6, 1	1, 0, 1	1, 4, 1	I_1,I_0^*,I_1	**2** : 2
G2	1	0	0	−113	−408	0	4	+ 2, 6, 2	2, 0, 2	2, 4, 2	I_2,I_0^*,I_2	**2** : 1, 3, 4
G3	1	0	0	−1738	−28033	0	2	+ 4, 6, 1	4, 0, 1	4, 2, 1	I_4,I_0^*,I_1	**2** : 2
G4	1	0	0	−488	3717	0	2	+ 1, 6, 4	1, 0, 4	1, 2, 2	I_1,I_0^*,I_4	**2** : 2
H1	1	0	1	−46	−127	1	1	− 2, 2, 3	2, 0, 3	2, 1, 3	I_2,II,I_3	
I1	0	1	1	−4758	128144	1	1	− 7, 7, 3	7, 1, 3	7, 4, 3	I_7,I_1^*,I_3	
J1	0	1	1	−3	29	1	1	− 5, 3, 1	5, 0, 1	5, 2, 1	I_5,III,I_1	
K1	1	0	0	12	117	1	1	− 6, 4, 1	6, 0, 1	6, 3, 1	I_6,IV,I_1	
976					$N = 976 = 2^4 \cdot 61$ (3 isogeny classes)							**976**
A1	0	−1	0	40	−16	0	1	− 16, 1	4, 1	2, 1	I_8^*,I_1	
B1	0	−1	0	−32	−64	0	1	− 12, 1	0, 1	2, 1	I_4^*,I_1	
C1	0	0	0	1	−6	1	1	− 8, 1	0, 1	1, 1	I_0^*,I_1	
978					$N = 978 = 2 \cdot 3 \cdot 163$ (8 isogeny classes)							**978**
A1	1	1	0	−37670	2798484	0	1	− 19, 5, 1	19, 5, 1	1, 1, 1	I_{19},I_5,I_1	
B1	1	1	0	−9	−15	0	2	+ 2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
B2	1	1	0	1	−33	0	2	− 1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
C1	1	1	0	−2188119	−1243572651	0	1	+ 13, 26, 1	13, 26, 1	1, 2, 1	I_{13},I_{26},I_1	
D1	1	1	0	458	−2060	0	1	− 5, 13, 1	5, 13, 1	1, 1, 1	I_5,I_{13},I_1	
E1	1	0	1	−5	2	1	1	+ 1, 2, 1	1, 2, 1	1, 2, 1	I_1,I_2,I_1	
F1	1	1	1	−121	455	1	1	+ 11, 2, 1	11, 2, 1	11, 2, 1	I_{11},I_2,I_1	
G1	1	0	0	−132	144	1	1	+ 7, 8, 1	7, 8, 1	7, 8, 1	I_7,I_8,I_1	
H1	1	0	0	−3	9	0	3	− 3, 3, 1	3, 3, 1	3, 3, 1	I_3,I_3,I_1	**3** : 2
H2	1	0	0	27	−237	0	1	− 1, 1, 3	1, 1, 3	1, 1, 3	I_1,I_1,I_3	**3** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
979					$N = 979 = 11 \cdot 89$ (2 isogeny classes)								**979**
A1	0	−1	1	1	−2	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	
B1	1	1	0	−14646	−688345	1	2	+	4, 3	4, 3	4, 3	I_4,I_3	**2** : 2
B2	1	1	0	−14041	−747030	1	2	−	2, 6	2, 6	2, 6	I_2,I_6	**2** : 1
980					$N = 980 = 2^2 \cdot 5 \cdot 7^2$ (9 isogeny classes)								**980**
A1	0	1	0	−996	11780	0	3	−	8, 3, 4	0, 3, 0	3, 1, 3	IV^*,I_3,IV	**3** : 2
A2	0	1	0	964	51764	0	1	−	8, 9, 4	0, 9, 0	1, 1, 3	IV^*,I_9,IV	**3** : 1
B1	0	0	0	−343	−4802	0	1	−	8, 1, 8	0, 1, 0	1, 1, 1	IV^*,I_1,IV^*	
C1	0	1	0	19	−1	1	1	−	8, 1, 3	0, 1, 0	1, 1, 2	IV^*,I_1,III	
D1	0	−1	0	−261	8065	1	1	−	8, 3, 7	0, 3, 1	3, 1, 4	IV^*,I_3,I_1^*	**3** : 2
D2	0	−1	0	−39461	3030385	1	1	−	8, 1, 9	0, 1, 3	1, 1, 4	IV^*,I_1,I_3^*	**3** : 1
E1	0	−1	0	915	2185	0	1	−	8, 1, 9	0, 1, 0	1, 1, 2	IV^*,I_1,III^*	
F1	0	−1	0	−48820	−4138168	0	1	−	8, 3, 10	0, 3, 0	3, 3, 1	IV^*,I_3,II^*	**3** : 2
F2	0	−1	0	47220	−17660600	0	1	−	8, 9, 10	0, 9, 0	1, 9, 1	IV^*,I_9,II^*	**3** : 1
G1	0	−1	0	−65	−118	0	2	+	4, 1, 6	0, 1, 0	3, 1, 2	IV,I_1,I_0^*	**2** : 2; **3** : 3
G2	0	−1	0	180	−1000	0	2	−	8, 2, 6	0, 2, 0	3, 2, 2	IV^*,I_2,I_0^*	**2** : 1; **3** : 4
G3	0	−1	0	−2025	35750	0	2	+	4, 3, 6	0, 3, 0	1, 3, 2	IV,I_3,I_0^*	**2** : 4; **3** : 1
G4	0	−1	0	−1780	44472	0	2	−	8, 6, 6	0, 6, 0	1, 6, 2	IV^*,I_6,I_0^*	**2** : 3; **3** : 2
H1	0	0	0	−7	14	0	1	−	8, 1, 2	0, 1, 0	1, 1, 1	IV^*,I_1,II	
I1	0	0	0	1568	−72716	0	1	−	8, 1, 11	0, 1, 5	1, 1, 2	IV^*,I_1,I_5^*	
981					$N = 981 = 3^2 \cdot 109$ (2 isogeny classes)								**981**
A1	1	−1	0	36	81	1	1	−	10, 1	4, 1	2, 1	I_4^*,I_1	
B1	1	−1	1	−74	262	1	1	−	6, 1	0, 1	2, 1	I_0^*,I_1	
982					$N = 982 = 2 \cdot 491$ (1 isogeny class)								**982**
A1	1	0	1	−22	40	1	1	−	8, 1	8, 1	2, 1	I_8,I_1	
984					$N = 984 = 2^3 \cdot 3 \cdot 41$ (4 isogeny classes)								**984**
A1	0	−1	0	184	1644	0	1	−	11, 9, 1	0, 9, 1	1, 1, 1	II^*,I_9,I_1	
B1	0	−1	0	−577	−5147	0	1	−	8, 3, 1	0, 3, 1	4, 1, 1	I_1^*,I_3,I_1	
C1	0	−1	0	−369	4293	1	1	−	8, 5, 3	0, 5, 3	2, 1, 3	I_1^*,I_5,I_3	
D1	0	1	0	7	27	1	1	−	8, 3, 1	0, 3, 1	2, 3, 1	I_1^*,I_3,I_1	
985					$N = 985 = 5 \cdot 197$ (2 isogeny classes)								**985**
A1	1	−1	0	−89	−302	0	1	−	3, 1	3, 1	3, 1	I_3,I_1	
B1	0	1	1	−20	24	1	1	+	4, 1	4, 1	4, 1	I_4,I_1	
986					$N = 986 = 2 \cdot 17 \cdot 29$ (6 isogeny classes)								**986**
A1	1	0	1	9	−34	0	3	−	2, 3, 1	2, 3, 1	2, 3, 1	I_2,I_3,I_1	**3** : 2
A2	1	0	1	−586	−5508	0	1	−	6, 1, 3	6, 1, 3	2, 1, 1	I_6,I_1,I_3	**3** : 1
B1	1	1	0	−10407	−413003	1	1	−	12, 2, 1	12, 2, 1	2, 2, 1	I_{12},I_2,I_1	
C1	1	1	0	−276	1616	1	2	+	12, 1, 2	12, 1, 2	2, 1, 2	I_{12},I_1,I_2	**2** : 2
C2	1	1	0	44	5520	1	2	−	6, 2, 4	6, 2, 4	2, 2, 4	I_6,I_2,I_4	**2** : 1
D1	1	0	0	8	16	1	1	−	4, 2, 1	4, 2, 1	4, 2, 1	I_4,I_2,I_1	

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
986								$N = 986 = 2 \cdot 17 \cdot 29$	(continued)				**986**
E1	1	0	0	3467	−83679	1	1	−	14, 1, 5	14, 1, 5	14, 1, 5	I_{14},I_1,I_5	
F1	1	−1	1	−1	17	1	1	−	8, 1, 1	8, 1, 1	8, 1, 1	I_8,I_1,I_1	
987								$N = 987 = 3 \cdot 7 \cdot 47$	(5 isogeny classes)				**987**
A1	1	1	0	7	0	0	2	−	2, 2, 1	2, 2, 1	2, 2, 1	I_2,I_2,I_1	**2** : 2
A2	1	1	0	−28	−35	0	2	+	4, 1, 2	4, 1, 2	2, 1, 2	I_4,I_1,I_2	**2** : 1
B1	1	1	1	−62	−214	0	2	+	2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
B2	1	1	1	−67	−184	0	4	+	4, 2, 2	4, 2, 2	2, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
B3	1	1	1	−382	2588	0	4	+	2, 1, 4	2, 1, 4	2, 1, 4	I_2,I_1,I_4	**2** : 2
B4	1	1	1	168	−936	0	2	−	8, 4, 1	8, 4, 1	2, 2, 1	I_8,I_4,I_1	**2** : 2
C1	0	−1	1	−208	1227	0	1	−	3, 3, 1	3, 3, 1	1, 1, 1	I_3,I_3,I_1	
D1	0	1	1	−2066	100013	0	1	−	7, 5, 3	7, 5, 3	7, 1, 1	I_7,I_5,I_3	
E1	1	0	0	1596	9783	1	2	−	10, 2, 3	10, 2, 3	10, 2, 3	I_{10},I_2,I_3	**2** : 2
E2	1	0	0	−6909	79524	1	2	+	5, 1, 6	5, 1, 6	5, 1, 6	I_5,I_1,I_6	**2** : 1
988								$N = 988 = 2^2 \cdot 13 \cdot 19$	(4 isogeny classes)				**988**
A1	0	−1	0	114	−247	0	1	−	4, 5, 1	0, 5, 1	3, 1, 1	IV,I_5,I_1	
B1	0	0	0	−362249	165197113	1	1	−	4, 1, 13	0, 1, 13	3, 1, 13	IV,I_1,I_{13}	
C1	0	0	0	16	36	1	1	−	8, 2, 1	0, 2, 1	3, 2, 1	IV*,I_2,I_1	
D1	0	1	0	−18	−71	0	3	−	4, 1, 3	0, 1, 3	3, 1, 3	IV,I_1,I_3	**3** : 2
D2	0	1	0	−1918	−32979	0	1	−	4, 3, 1	0, 3, 1	1, 3, 1	IV,I_3,I_1	**3** : 1
989								$N = 989 = 23 \cdot 43$	(1 isogeny class)				**989**
A1	1	−1	0	−241	1502	0	1	−	1, 1	1, 1	1, 1	I_1,I_1	
990								$N = 990 = 2 \cdot 3^2 \cdot 5 \cdot 11$	(12 isogeny classes)				**990**
A1	1	−1	0	−15	25	1	2	+	2, 3, 2, 1	2, 0, 2, 1	2, 2, 2, 1	I_2,III,I_2,I_1	**2** : 2
A2	1	−1	0	15	91	1	2	−	1, 3, 4, 2	1, 0, 4, 2	1, 2, 2, 2	I_1,III,I_4,I_2	**2** : 1
B1	1	−1	0	−10734	430740	0	6	+	6, 3, 6, 1	6, 0, 6, 1	2, 2, 6, 1	I_6,III,I_6,I_1	**2** : 2; **3** : 3
B2	1	−1	0	−10614	440748	0	6	−	3, 3, 12, 2	3, 0, 12, 2	1, 2, 12, 2	I_3,III,I_{12},I_2	**2** : 1; **3** : 4
B3	1	−1	0	−14109	140165	0	2	+	18, 9, 2, 3	18, 0, 2, 3	2, 2, 2, 1	I_{18},III*,I_2,I_3	**2** : 4; **3** : 1
B4	1	−1	0	55011	1066373	0	2	−	9, 9, 4, 6	9, 0, 4, 6	1, 2, 4, 2	I_9,III*,I_4,I_6	**2** : 3; **3** : 2
C1	1	−1	0	2295	−4595	0	2	−	16, 9, 1, 2	16, 3, 1, 2	2, 2, 1, 2	I_{16},I_3^*,I_1,I_2	**2** : 2
C2	1	−1	0	−9225	−29939	0	4	+	8, 12, 2, 4	8, 6, 2, 4	2, 4, 2, 2	I_8,I_6^*,I_2,I_4	**2** : 1, 3, 4
C3	1	−1	0	−106425	−13307459	0	2	+	4, 9, 1, 8	4, 3, 1, 8	2, 4, 1, 2	I_4,I_3^*,I_1,I_8	**2** : 2
C4	1	−1	0	−96345	11487325	0	4	+	4, 18, 4, 2	4, 12, 4, 2	2, 4, 2, 2	I_4,I_{12}^*,I_4,I_2	**2** : 2, 5, 6
C5	1	−1	0	−1539765	735795481	0	2	+	2, 12, 8, 1	2, 6, 8, 1	2, 2, 2, 1	I_2,I_6^*,I_8,I_1	**2** : 4
C6	1	−1	0	−46845	23238625	0	2	−	2, 30, 2, 1	2, 24, 2, 1	2, 4, 2, 1	I_2,I_{24}^*,I_2,I_1	**2** : 4
D1	1	−1	0	90	1300	0	1	−	5, 6, 5, 1	5, 0, 5, 1	1, 1, 1, 1	I_5,I_0^*,I_5,I_1	**5** : 2
D2	1	−1	0	−53460	4771030	0	1	−	1, 6, 1, 5	1, 0, 1, 5	1, 1, 1, 1	I_1,I_0^*,I_1,I_5	**5** : 1
E1	1	−1	0	45	−459	1	2	−	8, 8, 1, 1	8, 2, 1, 1	2, 2, 1, 1	I_8,I_2^*,I_1,I_1	**2** : 2
E2	1	−1	0	−675	−6075	1	4	+	4, 10, 2, 2	4, 4, 2, 2	2, 4, 2, 2	I_4,I_4^*,I_2,I_2	**2** : 1, 3, 4
E3	1	−1	0	−10575	−415935	1	2	+	2, 14, 1, 1	2, 8, 1, 1	2, 4, 1, 1	I_2,I_8^*,I_1,I_1	**2** : 2
E4	1	−1	0	−2295	35721	1	4	+	2, 8, 4, 4	2, 2, 4, 4	2, 4, 2, 4	I_2,I_2^*,I_4,I_4	**2** : 2, 5, 6
E5	1	−1	0	−34965	2525175	1	2	+	1, 7, 8, 2	1, 1, 8, 2	1, 2, 2, 2	I_1,I_1^*,I_8,I_2	**2** : 4
E6	1	−1	0	4455	201771	1	2	−	1, 7, 2, 8	1, 1, 2, 8	1, 4, 2, 8	I_1,I_1^*,I_2,I_8	**2** : 4

	a_1 a_2 a_3	a_4	a_6	r	|T|	s ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies

990 $N = 990 = 2 \cdot 3^2 \cdot 5 \cdot 11$ (continued) 990

F1	1 −1 0	−9	−27	0	1	− 3, 6, 1, 1	3, 0, 1, 1	1, 1, 1, 1	I_3,I_0^*,I_1,I_1	**3** : 2
F2	1 −1 0	81	675	0	3	− 1, 6, 3, 3	1, 0, 3, 3	1, 1, 3, 3	I_1,I_0^*,I_3,I_3	**3** : 1
G1	1 −1 0	−362394	−79244492	0	2	+28, 11, 4, 1	28, 5, 4, 1	2, 4, 4, 1	I_{28},I_5^*,I_4,I_1	**2** : 2
G2	1 −1 0	−1099674	346460980	0	4	+14, 16, 8, 2	14, 10, 8, 2	2, 4, 8, 2	I_{14},I_{10}^*,I_8,I_2	**2** : 1, 3, 4
G3	1 −1 0	−1649615	25790683828	0	2	+7, 11, 16, 1	7, 5, 16, 1	1, 2, 16, 1	I_7,I_5^*,I_{16},I_1	**2** : 2
G4	1 −1 0	2500326	2138540980	0	2	− 7, 26, 4, 4	7, 20, 4, 4	1, 4, 4, 4	I_7,I_{20}^*,I_4,I_4	**2** : 2
H1	1 −1 1	−96608	−11533373	1	2	+ 6, 9, 6, 1	6, 0, 6, 1	6, 2, 2, 1	I_6,III*,I_6,I_1	**2** : 2; **3** : 3
H2	1 −1 1	−95528	−11804669	1	2	− 3, 9, 12, 2	3, 0, 12, 2	3, 2, 2, 2	I_3,III*,I_{12},I_2	**2** : 1; **3** : 4
H3	1 −1 1	−1568	−4669	1	6	+ 18, 3, 2, 3	18, 0, 2, 3	18, 2, 2, 3	I_{18},III,I_2,I_3	**2** : 4; **3** : 1
H4	1 −1 1	6112	−41533	1	6	− 9, 3, 4, 6	9, 0, 4, 6	9, 2, 2, 6	I_9,III,I_4,I_6	**2** : 3; **3** : 2
I1	1 −1 1	−137	−539	0	2	+ 2, 9, 2, 1	2, 0, 2, 1	2, 2, 2, 1	I_2,III*,I_2,I_1	**2** : 2
I2	1 −1 1	133	−2591	0	2	− 1, 9, 4, 2	1, 0, 4, 2	1, 2, 4, 2	I_1,III*,I_4,I_2	**2** : 1
J1	1 −1 1	−203	987	1	4	+ 8, 7, 2, 1	8, 1, 2, 1	8, 4, 2, 1	I_8,I_1^*,I_2,I_1	**2** : 2
J2	1 −1 1	−923	−9669	1	4	+ 4, 8, 4, 2	4, 2, 4, 2	4, 4, 2, 2	I_4,I_2^*,I_4,I_2	**2** : 1, 3, 4
J3	1 −1 1	−14423	−663069	1	2	+ 2, 7, 2, 4	2, 1, 2, 4	2, 2, 2, 2	I_2,I_1^*,I_2,I_4	**2** : 2
J4	1 −1 1	1057	−46893	1	2	− 2, 10, 8, 1	2, 4, 8, 1	2, 4, 2, 1	I_2,I_4^*,I_8,I_1	**2** : 2
K1	1 −1 1	−12542	543741	0	4	+ 4, 11, 2, 1	4, 5, 2, 1	4, 4, 2, 1	I_4,I_5^*,I_2,I_1	**2** : 2
K2	1 −1 1	−12722	527469	0	4	+ 2, 16, 4, 2	2, 10, 4, 2	2, 4, 4, 2	I_2,I_{10}^*,I_4,I_2	**2** : 1, 3, 4
K3	1 −1 1	−37472	−2125731	0	2	+ 1, 26, 2, 1	1, 20, 2, 1	1, 4, 2, 1	I_1,I_{20}^*,I_2,I_1	**2** : 2
K4	1 −1 1	9148	2137101	0	2	− 1, 11, 8, 4	1, 5, 8, 4	1, 2, 8, 2	I_1,I_5^*,I_8,I_4	**2** : 2
L1	1 −1 1	−797	−8539	0	1	− 7, 6, 1, 3	7, 0, 1, 3	7, 1, 1, 1	I_7,I_0^*,I_1,I_3	**3** : 2
L2	1 −1 1	2668	−45961	0	3	− 21, 6, 3, 1	21, 0, 3, 1	21, 1, 3, 1	I_{21},I_0^*,I_3,I_1	**3** : 1

994 $N = 994 = 2 \cdot 7 \cdot 71$ (7 isogeny classes) 994

A1	1 0 1	−1	4	1	1	− 4, 1, 1	4, 1, 1	2, 1, 1	I_4,I_1,I_1	
B1	1 0 1	255	−796	0	2	− 4, 5, 2	4, 5, 2	2, 1, 2	I_4,I_5,I_2	**2** : 2
B2	1 0 1	−1165	−7044	0	2	+ 2, 10, 1	2, 10, 1	2, 2, 1	I_2,I_{10},I_1	**2** : 1
C1	1 1 0	−371	−3091	0	2	− 8, 3, 2	8, 3, 2	2, 3, 2	I_8,I_3,I_2	**2** : 2
C2	1 1 0	−6051	−183715	0	2	+ 4, 6, 1	4, 6, 1	2, 6, 1	I_4,I_6,I_1	**2** : 1
D1	1 0 1	164	922	1	3	− 8, 1, 3	8, 1, 3	2, 1, 3	I_8,I_1,I_3	**3** : 2
D2	1 0 1	−1611	−39690	1	1	− 24, 3, 1	24, 3, 1	2, 3, 1	I_{24},I_3,I_1	**3** : 1
E1	1 0 0	−11	13	0	2	+ 2, 1, 1	2, 1, 1	2, 1, 1	I_2,I_1,I_1	**2** : 2
E2	1 0 0	−21	−17	0	2	+ 1, 2, 2	1, 2, 2	1, 2, 2	I_1,I_2,I_2	**2** : 1
F1	1 −1 1	−16	−13	1	2	+ 8, 1, 1	8, 1, 1	8, 1, 1	I_8,I_1,I_1	**2** : 2
F2	1 −1 1	−96	371	1	4	+ 4, 2, 2	4, 2, 2	4, 2, 2	I_4,I_2,I_2	**2** : 1, 3, 4
F3	1 −1 1	−1516	23091	1	4	+ 2, 4, 1	2, 4, 1	2, 4, 1	I_2,I_4,I_1	**2** : 2
F4	1 −1 1	44	1267	1	2	− 2, 1, 4	2, 1, 4	2, 1, 2	I_2,I_1,I_4	**2** : 2
G1	1 0 0	−678	−5660	1	6	+ 18, 3, 1	18, 3, 1	18, 3, 1	I_{18},I_3,I_1	**2** : 2; **3** : 3
G2	1 0 0	−3238	65508	1	6	+ 9, 6, 2	9, 6, 2	9, 6, 2	I_9,I_6,I_2	**2** : 1; **3** : 4
G3	1 0 0	−52198	−4594524	1	2	+ 6, 1, 3	6, 1, 3	6, 1, 1	I_6,I_1,I_3	**2** : 4; **3** : 1
G4	1 0 0	−52238	−4587140	1	2	+ 3, 2, 6	3, 2, 6	3, 2, 2	I_3,I_2,I_6	**2** : 3; **3** : 2

995 $N = 995 = 5 \cdot 199$ (2 isogeny classes) 995

A1	1 0 1	2	3	0	2	− 2, 1	2, 1	2, 1	I_2,I_1	**2** : 2
A2	1 0 1	−23	33	0	2	+ 1, 2	1, 2	1, 2	I_1,I_2	**2** : 1

	a_1	a_2	a_3	a_4	a_6	r	|T|	s	ord(Δ)	ord$_-(j)$	c_p	Kodaira	Isogenies
995							$N = 995 = 5 \cdot 199$ (continued)						**995**
B1	0	1	1	−15	19	1	3	−	3, 1	3, 1	3, 1	I_3,I_1	**3** : 2
B2	0	1	1	85	64	1	1	−	1, 3	1, 3	1, 3	I_1,I_3	**3** : 1
996							$N = 996 = 2^2 \cdot 3 \cdot 83$ (3 isogeny classes)						**996**
A1	0	−1	0	19	−42	0	2	−	4, 6, 1	0, 6, 1	3, 2, 1	IV,I_6,I_1	**2** : 2
A2	0	−1	0	−116	−312	0	2	+	8, 3, 2	0, 3, 2	3, 1, 2	IV*,I_3,I_2	**2** : 1
B1	0	1	0	164	−8764	1	1	−	8, 13, 1	0, 13, 1	3, 13, 1	IV*,I_{13},I_1	
C1	0	1	0	−12	36	1	3	−	8, 3, 1	0, 3, 1	3, 3, 1	IV*,I_3,I_1	**3** : 2
C2	0	1	0	108	−876	1	1	−	8, 1, 3	0, 1, 3	1, 1, 1	IV*,I_1,I_3	**3** : 1
997							$N = 997 = 997$ (3 isogeny classes)						**997**
A1	0	−1	1	−18	36	1	1	+	1	1	1	I_1	
B1	0	−1	1	−5	−3	2	1	+	1	1	1	I_1	
C1	0	−1	1	−24	54	2	1	+	1	1	1	I_1	
999							$N = 999 = 3^3 \cdot 37$ (2 isogeny classes)						**999**
A1	1	−1	0	−69	−208	1	1	−	9, 1	0, 1	1, 1	IV*,I_1	
B1	1	−1	1	−8	10	1	1	−	3, 1	0, 1	1, 1	II,I_1	