

Index of single and double Wahl singularities by blowing up extremal elliptic surfaces

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1 $I_9 + 3I_1$

Fibration given by the pencil

$$F_\lambda = y^3 - zx^2 + z^2x + 3\lambda xyz.$$

The nine exceptionals are as follows:

- $E_1 - E_4$ at $[0, 0, 1]$.
- $E_5 - E_8$ at $[1, 0, 0]$.
- E_9 at $[1, 0, 1]$.

Let w be a primitive third root of unity, then singular fibers are as follows:

- $\lambda = \infty$: I_9 fiber given by $y, E_1, E_2, E_3, x, z, E_7, E_6, E_5$ in order.
- $\lambda = -1$: I_1 fiber called F_3 with node at $[-1, -1, 1]$.
- $\lambda = -w$: I_1 fiber called F_1 with node at $[-1, -w^2, 1]$.
- $\lambda = -w^2$: I_1 fiber called F_2 with node at $[-1, -w, 1]$.

Extra curves:

- $H = x - z$, a triple section that passes through all nodes of the I_1 's and through the intersection of x and z .
- $K = x + z$, double section through $x \cap z$ and $[1, 0, 1]$.
- $T_i = y - w^{2i}x$, $i = 1, 2, 3$, double section through $[-1, -w^{2i}, 1]$ and $[0, 0, 1]$.
- $S_i = y + w^{2i}z$, $i = 1, 2, 3$, double section through $[-1, -w^{2i}, 1]$ and $[1, 0, 0]$.
- $R_i = 2y + w^{2i}(z - x)$, $i = 1, 2, 3$, double section through $[-1, -w^{2i}, 1]$ and $[1, 0, 1]$.

Input: Result:

2 $I_8 + I_2 + 2I_1$

(2858 examples from 101122048 tests)

Base curves:

- $L_1 = y - \sqrt{3}x$.
- $L_2 = 2y - 3z$.
- $L_3 = y + \sqrt{3}x$.
- $C = x^2 + (y - 2)^2 - z^2$.
- $L = x$.

Fibration given by pencil

$$F_\lambda = L_1 L_2 L_3 + \lambda C L.$$

Nine exceptionals are as follows:

- $E_1 - E_3$ at $L_1 \cap L_2 \cap C = [\sqrt{3}, 3, 2]$.
- $E_4 - E_5$ at $L_1 \cap L_3 \cap L = [0, 0, 1]$.
- E_6 at $L_2 \cap L = [0, 3, 2]$.
- $E_7 - E_9$ at $L_3 \cap L_2 \cap C = [-\sqrt{3}, 3, 2]$.

Singular fibers are as follows:

- $\lambda = \infty$: I_2 fiber given by C and L . with nodes at $N_{I_2,1} = [0, 3, 1]$ and $N_{I_2,2} = [0, 1, 1]$.
- $\lambda = 0$: I_8 fiber given by $L_2, E_7, E_8, L_3, E_4, L_1, E_2, E_1$ in order.
- $\lambda = \frac{3\sqrt{3}}{2}$: I_1 fiber called F_1 with node at $N_{F_1} = [-\sqrt{3}, 0, 1]$.
- $\lambda = -\frac{3\sqrt{3}}{2}$: I_1 fiber called F_2 with node at $N_{F_2} = [\sqrt{3}, 0, 1]$.

Classification of degree 1 double sections by intersections with I_8 and I_2

1. $L_2 + E_4 + 2C$

$$R_\alpha = y - \alpha x, \quad \alpha \in \mathbb{C} \setminus \{-\sqrt{3}, \sqrt{3}\}$$

Degenerations:

- $\alpha = 0$: R_α intersects N_{F_1} and N_{F_2}

2. $E_1 + L_3 + C + L$

$$M_\alpha^R = y - \alpha x + \frac{\sqrt{3}\alpha - 3}{2}z, \quad \alpha \in \widehat{\mathbb{C}} \setminus \{0, \sqrt{3}\}$$

Degenerations:

- $\alpha = -\sqrt{3}$: M_α^R intersects N_{F_2} and $N_{I_2,1}$
- $\alpha = \frac{1}{\sqrt{3}}$: M_α^R intersects N_{F_1} and $N_{I_2,2}$

3. $E_7 + L_1 + C + L$

$$M_\alpha^L = y + \alpha x + \frac{\sqrt{3}\alpha - 3}{2}z, \quad \alpha \in \widehat{\mathbb{C}} \setminus \{0, \sqrt{3}\}$$

Degenerations:

- $\alpha = -\sqrt{3}$: M_α^L intersects N_{F_1} and $N_{I_2,1}$
- $\alpha = \frac{1}{\sqrt{3}}$: M_α^L intersects N_{F_2} and $N_{I_2,2}$

4. $L_1 + L_2 + 2C$ (also intersects E_6)

$$S_\alpha = 2y - \alpha x - 3z, \quad \alpha \in \mathbb{C} \setminus \{0\}$$

Degenerations:

- $\alpha = \sqrt{3}$: S_α intersects N_{F_1}
- $\alpha = -\sqrt{3}$: S_α intersects N_{F_2}

Classification of degree 2 double sections by intersections with I_8 and I_2

1. $E_1 + L_1 + 2L$ (also intersects E_9)

$$D_\alpha^L = L_3 L_2 + \alpha C, \quad \alpha \in \mathbb{C} \setminus \{0\}$$

Degenerations:

- $\alpha = 3/2$: D_α^L intersects N_{F_2}
- $\alpha = -3/2$: D_α^L intersects N_{F_1}

2. $E_1 + E_7 + 2C$ (also intersects E_5)

$$E_\alpha = L L_2 + \alpha L_1 L_3, \quad \alpha \in \mathbb{C} \setminus \{0\}$$

Degenerations:

- $\alpha = \frac{1}{\sqrt{3}}$: E_α intersects N_{F_1}
- $\alpha = -\frac{1}{\sqrt{3}}$: E_α intersects N_{F_2}

3. $E_2 + E_8 + 2L$

$$A_\alpha = L_1 L_3 + \alpha C, \quad \alpha \in \mathbb{C} \setminus \{0\}$$

Degenerations:

- $\alpha = \frac{3}{2}$: E_α intersects N_{F_1} and N_{F_2}

4. $2L_1 + C + L$ (also intersects E_9 and E_6)

$$B_\alpha^L = C - \frac{1}{3} L_3 M_{-\sqrt{3}}^L + \alpha L_2 L_3, \quad \alpha \in \mathbb{C}$$

Degenerations:

- $\alpha = 0$: B_α^L intersects $N_{I_2,1}$
- $\alpha = 2/3$: B_α^L intersects $N_{I_2,2}$
- $\alpha = 4/3$: B_α^L intersects N_{F_2}
- $\alpha = -2/3$: B_α^L intersects N_{F_1}

5. $2L_3 + C + L$ (also intersects E_3 and E_6)

$$B_\alpha^R = C - \frac{1}{3} L_1 M_{-\sqrt{3}}^R + \alpha L_2 L_1, \quad \alpha \in \mathbb{C}$$

Degenerations:

- $\alpha = 0$: B_α^R intersects $N_{I_2,1}$
- $\alpha = 2/3$: B_α^R intersects $N_{I_2,2}$
- $\alpha = 4/3$: B_α^R intersects N_{F_1}
- $\alpha = -2/3$: B_α^R intersects N_{F_2}

6. $E_7 + L_3 + 2L$ (also intersects E_3)

$$D_\alpha^R = L_1 L_2 + \alpha C, \quad \alpha \in \mathbb{C} \setminus \{0\}$$

Degenerations:

- $\alpha = 3/2$: D_α^R intersects N_{F_2}
- $\alpha = -3/2$: D_α^R intersects N_{F_1}

Input:

```
1 Output: jsonl/8211
2 Summary_Output: summary/8211
3 Summary_Style: LaTeX_Table
4
5 Single_Chain: Y
6 Double_Chain: Y
7 Single_QHD: Y
8 Double_QHD: Y
9 Keep_First: global
10 Search_For: 1 2 3 4 5 6 7 8 9
11
12 Nef_Check: print
13 Effective_Check: print
14 Obstruction_Check: print
15
16 Summary_Include_GCD: Y
17
18 Threads: 4
19
20 Tests: 6
21 Fibers:
22     I8 Try Try Fix Try Fix Fix
23         L_2 E_7 E_8 L_3 E_4 L_1 E_2 E_1
24     I2 Try Fix Dis Fix Dis Fix
25         C L
26     I1 Fix Fix Fix Ign Ign Ign
27         F_1
28     I1 Fix Ign Ign Fix Fix Ign
29         F_2
30 Merge:
31     G_1 Try
32         F_1 F_1
33     G_2 Try
34         F_2 F_2
35     P_1 Try
36         C L
37     P_2 Try
38         C L
39 Sections:
40     E_3 Try
41         E_2 F_1 C F_2
42     E_5 Try
43         E_4 F_1 L F_2
44     E_6 Try
45         L_2 F_1 L F_2
46     E_9 Try
47         E_8 F_1 C F_2
48 DoubleSections:
49     S_1 Try
50         L_3 L_1 C C G_1 E_6 F_2 F_2
51     S_2 Try
52         L_3 L_1 C C G_2 E_6 F_1 F_1
53 Sections(0):
54     Q_1 Try
55         L_3 E_1 P_1 G_1 F_2 F_2 S_2
56     T_1 Try
57         L_1 E_7 P_2 G_1 F_2 F_2 S_2
58     Q_2 Try
59         L_1 E_7 P_1 F_1 F_1 G_2 S_1
60     T_2 Try
61         L_3 E_1 P_2 F_1 F_1 G_2 S_1
62 Name:
63     Ay Try
64         S_1 Q_2
65 Sections(0):
66     M Try
67         L_1 E_1 L L F_2 F_2 E_9 Ay S_2 S_2 G_1 T_2
```

Result:

2.1 1 chain, $K^2 = 1$

1 chain, $K^2 = 1$					
(n, a)	Length	Nef	Q-ef	Obstruction 0	Index
(11, 7)	5	YES	YES	YES	1
(13, 8)	5	YES	YES	YES	2
(13, 9)	6	YES	YES	YES	3
(14, 5)	6	YES	YES	YES	4
(16, 5)	7	YES	YES	YES	5
(16, 9)	6	YES	YES	YES	6
(17, 7)	6	YES	YES	YES	7
(19, 5)	7	YES	YES	YES	8
(19, 8)	6	YES	YES	YES	9
(21, 5)	8	YES	YES	YES	10
(24, 5)	8	YES	YES	YES	11
(26, 7)	7	YES	YES	YES	12
(30, 7)	8	YES	YES	YES	13
$(a; 1, 0, 0; 13)$	5	YES	YES	YES	14
$(b; 0, 0, 0; 14)$	5	YES	YES	YES	15
$(j; 0, 0, 0; 8)$	5	YES	YES	YES	16
$(j; 0, 1, 0; 10)$	6	YES	YES	YES	17

2.2 1 chain, $K^2 = 2$

1 chain, $K^2 = 2$					
(n, a)	Length	Nef	Q-ef	Obstruction 0	Index
(27, 19)	7	YES	YES	YES	18
(29, 21)	7	YES	YES	YES	19
(31, 22)	8	YES	YES	YES	20
(31, 24)	8	YES	YES	NO(2)	21
(32, 23)	8	YES	YES	YES	22
(32, 25)	8	YES	YES	YES	23
(33, 20)	9	YES	YES	YES	24
(37, 27)	8	YES	YES	YES	25
(37, 29)	8	YES	YES	YES	26
(39, 25)	8	YES	YES	YES	27
(40, 23)	9	YES	YES	YES	28
(41, 26)	8	YES	YES	YES	29
(41, 30)	8	YES	YES	NO(2)	30
(42, 29)	9	YES	YES	YES	31
(44, 25)	10	YES	YES	YES	32
(45, 13)	10	YES	YES	YES	33
(45, 31)	9	YES	YES	YES	34
(46, 21)	10	YES	YES	YES	35
(48, 17)	9	YES	YES	YES	36
(49, 13)	9	YES	YES	YES	37
(49, 18)	8	YES	YES	YES	38
(49, 22)	9	YES	YES	NO(2)	39
(49, 34)	9	YES	YES	NO(2)	40
(50, 31)	8	YES	YES	NO(2)	41

(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(51, 20)	9	YES	YES	YES	42
(53, 19)	9	YES	YES	YES	43
(55, 24)	9	YES	YES	YES	44
(57, 17)	10	YES	YES	NO(2)	45
(57, 25)	9	YES	YES	YES	46
(59, 13)	11	YES	YES	YES	47
(62, 27)	9	YES	YES	YES	48
(64, 17)	10	YES	YES	YES	49
(64, 23)	9	YES	YES	YES	50
(65, 24)	9	YES	YES	YES	51
(67, 16)	11	YES	YES	YES	52
(71, 13)	12	YES	YES	NO(2)	53
(71, 17)	11	YES	YES	YES	54
(71, 19)	10	YES	YES	YES	55
(71, 22)	10	YES	YES	NO(2)	56
(72, 19)	10	YES	YES	YES	57
(74, 17)	11	YES	YES	YES	58
(77, 16)	11	YES	YES	YES	59
(79, 14)	11	YES	YES	YES	60
(80, 19)	11	YES	YES	YES	61
(81, 19)	11	YES	YES	NO(2)	62
(89, 27)	10	YES	YES	YES	63
(90, 19)	11	YES	YES	NO(2)	64
(91, 19)	11	YES	YES	YES	65
(96, 17)	12	YES	YES	YES	66
$(a; 3, 1, 0; 31)$	8	YES	YES	NO(2)	67
$(b; 0, 0, 3; 32)$	8	YES	YES	YES	68
$(b; 0, 3, 0; 29)$	8	YES	YES	YES	69
$(c; 0, 3, 1; 23)$	8	YES	YES	YES	70
$(c; 0, 4, 1; 9)$	9	YES	YES	YES	71
$(d; 0, 0, 3; 22)$	8	YES	YES	YES	72
$(d; 0, 0, 4; 13)$	9	YES	YES	YES	73
$(d; 0, 1, 3; 27)$	9	YES	YES	YES	74
$(d; 0, 3, 1; 23)$	9	YES	YES	YES	75
$(e; 3, 0, 0; 10)$	8	YES	YES	YES	76

2.3 1 chain, $K^2 = 3$

1 chain, $K^2 = 3$					
(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(64, 39)	9	YES	YES	NO(2)	77
(71, 45)	9	YES	YES	NO(2)	78
(76, 31)	10	YES	YES	NO(2)	79
(92, 53)	10	YES	YES	YES	80
(97, 79)	11	YES	YES	YES	81
(98, 41)	10	YES	YES	YES	82
(101, 64)	10	YES	YES	NO(2)	83
(101, 71)	10	YES	YES	NO(2)	84
(101, 79)	11	YES	YES	NO(2)	85
(104, 45)	11	YES	YES	YES	86
(104, 73)	11	YES	YES	NO(2)	87
(109, 79)	10	YES	YES	NO(2)	88
(113, 71)	11	YES	YES	YES	89

(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(113, 78)	11	YES	YES	NO(2)	90
(115, 63)	11	YES	YES	NO(2)	91
(119, 74)	11	YES	YES	YES	92
(119, 82)	11	YES	YES	NO(2)	93
(120, 53)	11	YES	YES	NO(2)	94
(125, 46)	12	YES	YES	YES	95
(125, 49)	11	YES	YES	YES	96
(129, 56)	11	YES	YES	NO(2)	97
(135, 103)	12	YES	YES	YES	98
(137, 63)	12	YES	YES	NO(2)	99
(144, 43)	13	YES	YES	NO(2)	100
(145, 51)	12	YES	YES	YES	101
(149, 46)	13	YES	YES	YES	102
(151, 53)	12	YES	YES	NO(2)	103
(151, 62)	11	YES	YES	YES	104
(152, 55)	12	YES	YES	YES	105
(152, 67)	11	YES	YES	NO(2)	106
(153, 64)	11	YES	YES	YES	107
(161, 48)	12	YES	YES	NO(2)	108
(169, 64)	11	YES	YES	YES	109
(171, 71)	12	YES	YES	YES	110
(183, 67)	11	YES	YES	YES	111
(188, 39)	13	YES	YES	YES	112
(201, 37)	14	YES	YES	NO(2)	113
(207, 37)	15	YES	YES	YES	114
(211, 50)	14	YES	YES	NO(2)	115
(213, 38)	15	YES	YES	NO(2)	116
(213, 62)	12	YES	YES	YES	117
(231, 83)	12	YES	YES	YES	118
(241, 63)	13	YES	YES	NO(2)	119
(243, 38)	16	YES	YES	NO(2)	120
(246, 91)	12	YES	YES	NO(2)	121
(272, 59)	13	YES	YES	YES	122
$(b; 4, 0, 1; 56)$	10	YES	YES	YES	123

2.4 1 chain, $K^2 = 4$

1 chain, $K^2 = 4$					
(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(178, 63)	12	YES	YES	YES	124
(252, 107)	13	YES	YES	YES	125
(289, 223)	13	YES	YES	NO(2)	126
(298, 131)	13	YES	YES	NO(2)	127
(323, 116)	13	YES	YES	NO(2)	128
(336, 137)	14	YES	YES	YES	129
(375, 143)	14	YES	YES	YES	130
(379, 165)	13	YES	YES	YES	131
(412, 107)	16	YES	YES	NO(2)	132
(497, 107)	15	YES	YES	YES	133
(539, 200)	14	YES	YES	NO(2)	134
(618, 239)	14	YES	YES	NO(2)	135
(635, 132)	16	YES	YES	YES	136
(636, 179)	16	YES	YES	NO(2)	137

(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(727, 282)	14	YES	YES	NO(2)	138
(832, 191)	17	YES	YES	NO(2)	139
(1058, 409)	15	YES	YES	YES	140
(1190, 349)	16	YES	YES	YES	141
$(g; 2, 3, 1; 19)$	12	YES	YES	YES	142

2.5 1 chain, $K^2 = 5$

1 chain, $K^2 = 5$					
(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(1005, 412)	15	YES	YES	NO(2)	143

2.6 2 chains, $K^2 = 1$

2 chains, $K^2 = 1$									
(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(5, 2)	3	(5, 2)	3	5	YES	YES	YES	NO	144
(7, 3)	4	(5, 1)	4	1	YES	YES	YES	NO	145
(7, 3)	4	(5, 1)	4	1	YES	YES	YES	NO	146
(7, 3)	4	(7, 2)	4	7	YES	YES	YES	NO	147
(7, 3)	4	(7, 2)	4	7	YES	YES	YES	NO	148
(7, 3)	4	(7, 2)	4	7	YES	YES	YES	NO	149
(8, 3)	4	(4, 1)	3	4	YES	YES	YES	NO	150
(8, 3)	4	(4, 1)	3	4	YES	YES	YES	NO	151
(8, 3)	4	(5, 1)	4	1	YES	YES	YES	NO	152
(8, 3)	4	(5, 1)	4	1	YES	YES	YES	NO	153
(8, 3)	4	(5, 1)	4	1	YES	YES	YES	NO	154
(8, 3)	4	(5, 2)	3	1	YES	YES	YES	NO	155
(8, 3)	4	(7, 2)	4	1	YES	YES	YES	NO	156
(8, 3)	4	(7, 2)	4	1	YES	YES	YES	NO	157
(8, 3)	4	(7, 3)	4	1	YES	YES	YES	NO	158
(8, 3)	4	(7, 3)	4	1	YES	YES	YES	NO	159
(8, 3)	4	(7, 3)	4	1	YES	YES	YES	NO	160
(9, 4)	5	(4, 1)	3	1	YES	YES	YES	NO	161
(9, 4)	5	(4, 1)	3	1	YES	YES	YES	NO	162
(9, 4)	5	(5, 2)	3	1	YES	YES	YES	NO	163
(9, 2)	5	(7, 3)	4	1	YES	YES	YES	NO	164
(9, 2)	5	(7, 3)	4	1	YES	YES	YES	NO	165
(9, 4)	5	(7, 2)	4	1	YES	YES	NO(2)	NO	166
(9, 4)	5	(7, 2)	4	1	YES	YES	NO(2)	NO	167
(9, 4)	5	(9, 2)	5	9	YES	YES	NO(2)	NO	168
(10, 3)	5	(4, 1)	3	2	YES	YES	YES	177	169
(10, 3)	5	(4, 1)	3	2	YES	YES	YES	NO	170
(10, 3)	5	(5, 1)	4	5	YES	YES	YES	NO	171
(10, 3)	5	(5, 1)	4	5	YES	YES	YES	NO	172
(10, 3)	5	(5, 2)	3	5	YES	YES	YES	NO	173
(11, 3)	5	(2, 1)	1	1	YES	YES	YES	NO	174
(11, 3)	5	(2, 1)	1	1	YES	YES	YES	NO	175
(11, 4)	5	(2, 1)	1	1	YES	YES	YES	NO	176
(11, 3)	5	(3, 1)	2	1	YES	YES	YES	169	177
(11, 3)	5	(3, 1)	2	1	YES	YES	YES	NO	178

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(11, 4)	5	(3, 1)	2	1	YES	YES	YES	NO	179
(11, 4)	5	(3, 1)	2	1	YES	YES	YES	NO	180
(11, 5)	6	(3, 1)	2	1	YES	YES	YES	NO	181
(11, 5)	6	(3, 1)	2	1	YES	YES	YES	NO	182
(11, 3)	5	(4, 1)	3	1	YES	YES	YES	NO	183
(11, 3)	5	(4, 1)	3	1	YES	YES	YES	NO	184
(11, 3)	5	(4, 1)	3	1	YES	YES	YES	NO	185
(11, 4)	5	(4, 1)	3	1	YES	YES	YES	NO	186
(11, 4)	5	(4, 1)	3	1	YES	YES	YES	NO	187
(11, 5)	6	(4, 1)	3	1	YES	YES	YES	NO	188
(11, 5)	6	(4, 1)	3	1	YES	YES	YES	NO	189
(11, 5)	6	(4, 1)	3	1	YES	YES	YES	NO	190
(11, 3)	5	(5, 1)	4	1	YES	YES	YES	NO	191
(11, 3)	5	(5, 1)	4	1	YES	YES	YES	NO	192
(11, 5)	6	(5, 2)	3	1	YES	YES	YES	NO	193
(11, 5)	6	(5, 2)	3	1	YES	YES	YES	NO	194
(11, 5)	6	(6, 1)	5	1	YES	YES	YES	NO	195
(11, 5)	6	(6, 1)	5	1	YES	YES	YES	NO	196
(11, 4)	5	(8, 3)	4	1	YES	YES	YES	NO	197
(11, 5)	6	(9, 4)	5	1	YES	YES	YES	NO	198
(11, 5)	6	(11, 5)	6	11	YES	YES	YES	NO	199
(12, 5)	5	(3, 1)	2	3	YES	YES	YES	NO	200
(12, 5)	5	(3, 1)	2	3	YES	YES	YES	NO	201
(12, 5)	5	(3, 1)	2	3	YES	YES	YES	NO	202
(12, 5)	5	(4, 1)	3	4	YES	YES	YES	NO	203
(12, 5)	5	(4, 1)	3	4	YES	YES	YES	NO	204
(12, 5)	5	(4, 1)	3	4	YES	YES	YES	NO	205
(12, 5)	5	(5, 2)	3	1	YES	YES	NO(2)	NO	206
(12, 5)	5	(5, 2)	3	1	YES	YES	NO(2)	NO	207
(12, 5)	5	(7, 2)	4	1	YES	YES	YES	NO	208
(12, 5)	5	(7, 2)	4	1	YES	YES	YES	NO	209
(12, 5)	5	(9, 2)	5	3	YES	YES	NO(2)	NO	210
(12, 5)	5	(9, 4)	5	3	YES	YES	NO(2)	NO	211
(13, 3)	6	(2, 1)	1	1	YES	YES	YES	NO	212
(13, 5)	5	(2, 1)	1	1	YES	YES	YES	NO	213
(13, 4)	6	(3, 1)	2	1	YES	YES	YES	NO	214
(13, 4)	6	(3, 1)	2	1	YES	YES	YES	NO	215
(13, 5)	5	(3, 1)	2	1	YES	YES	YES	NO	216
(13, 5)	5	(3, 1)	2	1	YES	YES	YES	NO	217
(13, 3)	6	(4, 1)	3	1	YES	YES	YES	NO	218
(13, 3)	6	(4, 1)	3	1	YES	YES	YES	NO	219
(13, 4)	6	(4, 1)	3	1	YES	YES	YES	NO	220
(13, 4)	6	(4, 1)	3	1	YES	YES	YES	NO	221
(13, 4)	6	(7, 2)	4	1	YES	YES	YES	246	222
(13, 4)	6	(7, 2)	4	1	YES	YES	YES	NO	223
(13, 3)	6	(11, 3)	5	1	YES	YES	YES	NO	224
(13, 5)	5	(13, 5)	5	13	YES	YES	YES	NO	225
(14, 5)	6	(3, 1)	2	1	NO	YES	YES	NO	226
(15, 4)	6	(4, 1)	3	1	NO	YES	YES	NO	227
(15, 4)	6	(9, 2)	5	3	YES	YES	NO(2)	NO	228
(16, 5)	7	(3, 1)	2	1	YES	YES	YES	NO	229
(16, 5)	7	(3, 1)	2	1	NO	YES	YES	NO	230
(16, 7)	6	(3, 1)	2	1	YES	YES	NO(2)	NO	231

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(16, 7)	6	(3, 1)	2	1	YES	YES	NO(2)	NO	232
(16, 7)	6	(4, 1)	3	4	YES	YES	NO(2)	NO	233
(16, 7)	6	(4, 1)	3	4	YES	YES	NO(2)	NO	234
(16, 5)	7	(5, 1)	4	1	YES	YES	NO(2)	NO	235
(16, 7)	6	(5, 1)	4	1	YES	YES	YES	NO	236
(16, 7)	6	(5, 1)	4	1	YES	YES	YES	NO	237
(16, 7)	6	(5, 2)	3	1	YES	YES	NO(2)	NO	238
(16, 5)	7	(7, 1)	6	1	YES	YES	YES	NO	239
(16, 5)	7	(7, 2)	4	1	YES	YES	NO(2)	NO	240
(16, 7)	6	(9, 4)	5	1	YES	YES	NO(2)	NO	241
(16, 5)	7	(13, 4)	6	1	YES	YES	YES	NO	242
(16, 7)	6	(16, 7)	6	16	YES	YES	NO(2)	NO	243
(17, 7)	6	(2, 1)	1	1	YES	YES	YES	NO	244
(17, 5)	6	(3, 1)	2	1	NO	YES	YES	NO	245
(17, 5)	6	(3, 1)	2	1	YES	YES	YES	222	246
(17, 4)	7	(4, 1)	3	1	NO	YES	YES	NO	247
(17, 4)	7	(4, 1)	3	1	NO	YES	YES	NO	248
(17, 7)	6	(12, 5)	5	1	YES	YES	NO(2)	NO	249
(17, 7)	6	(17, 7)	6	17	YES	YES	NO(2)	NO	250
(18, 5)	6	(3, 1)	2	3	YES	YES	NO(3)	NO	251
(19, 8)	6	(2, 1)	1	1	YES	YES	YES	NO	252
(19, 8)	6	(2, 1)	1	1	NO	YES	YES	NO	253
(19, 5)	7	(4, 1)	3	1	YES	YES	YES	NO	254
(19, 8)	6	(4, 1)	3	1	YES	YES	YES	NO	255
(19, 5)	7	(5, 1)	4	1	YES	YES	NO(2)	NO	256
(19, 5)	7	(6, 1)	5	1	YES	YES	NO(2)	NO	257
(19, 5)	7	(7, 1)	6	1	YES	YES	YES	NO	258
(19, 5)	7	(11, 3)	5	1	YES	YES	YES	267	259
(19, 5)	7	(15, 4)	6	1	YES	YES	NO(2)	NO	260
(19, 5)	7	(19, 5)	7	19	YES	YES	NO(2)	NO	261
(19, 8)	6	(19, 8)	6	19	YES	YES	NO(2)	NO	262
(21, 8)	6	(2, 1)	1	1	NO	YES	YES	NO	263
(23, 10)	7	(2, 1)	1	1	NO	YES	YES	NO	264
(23, 7)	7	(3, 1)	2	1	NO	YES	YES	NO	265
(25, 11)	7	(2, 1)	1	1	NO	YES	NO(2)	NO	266
(26, 7)	7	(4, 1)	3	2	YES	YES	YES	259	267
(26, 7)	7	(26, 7)	7	26	YES	YES	NO(2)	NO	268
(30, 7)	8	(3, 1)	2	3	YES	YES	NO(2)	NO	269
(30, 7)	8	(9, 2)	5	3	YES	YES	NO(2)	NO	270
$(a; 1, 0, 0; 13)$	5	(2, 1)	1	1	YES	YES	YES	NO	271
$(a; 1, 0, 0; 13)$	5	(5, 2)	3	1	YES	YES	NO(2)	NO	272
$(b; 0, 0, 0; 14)$	5	(2, 1)	1	2	YES	YES	NO(2)	NO	273
$(c; 0, 1, 1; 5)$	6	(2, 1)	1	1	YES	YES	YES	NO	274
$(c; 0, 2, 0; 7)$	6	(2, 1)	1	1	YES	YES	YES	NO	275
$(d; 0, 0, 0; 5)$	5	(2, 1)	1	1	YES	YES	YES	NO	276
$(d; 0, 0, 0; 5)$	5	(3, 1)	2	1	YES	YES	YES	NO	277
$(f; 0, 0, 0; 6)$	4	(4, 1)	3	2	YES	YES	YES	NO	278
$(f; 0, 0, 0; 6)$	4	(5, 2)	3	1	YES	YES	YES	NO	279
$(f; 0, 0, 0; 6)$	4	(7, 2)	4	1	YES	YES	YES	NO	280
$(f; 0, 0, 0; 6)$	4	(9, 2)	5	3	YES	YES	YES	NO	281
$(f; 0, 1, 0; 7)$	5	(2, 1)	1	1	YES	YES	YES	NO	282
$(f; 0, 1, 0; 7)$	5	(4, 1)	3	1	YES	YES	YES	NO	283
$(j; 0, 0, 0; 8)$	5	(3, 1)	2	1	YES	YES	YES	NO	284

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(j; 0, 1, 0; 10)$	6	$(3, 1)$	2	1	YES	YES	NO(2)	NO	285
$(j; 0, 1, 0; 10)$	6	$(4, 1)$	3	2	YES	YES	NO(2)	NO	286

2.7 2 chains, $K^2 = 2$

2 chains, $K^2 = 2$									
(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(11, 3)	5	(5, 2)	3	1	YES	YES	YES	NO	287
(11, 4)	5	(9, 2)	5	1	YES	YES	YES	NO	288
(11, 4)	5	(9, 2)	5	1	YES	YES	NO(2)	NO	289
(11, 4)	5	(10, 3)	5	1	YES	YES	YES	NO	290
(12, 5)	5	(11, 5)	6	1	YES	YES	YES	NO	291
(13, 3)	6	(9, 4)	5	1	YES	YES	YES	NO	292
(13, 3)	6	(9, 4)	5	1	YES	YES	YES	NO	293
(13, 3)	6	(9, 4)	5	1	YES	YES	YES	NO	294
(13, 5)	5	(9, 2)	5	1	YES	YES	YES	NO	295
(13, 6)	7	(10, 3)	5	1	YES	YES	YES	NO	296
(13, 6)	7	(10, 3)	5	1	YES	YES	YES	NO	297
(13, 3)	6	(11, 4)	5	1	YES	YES	YES	NO	298
(13, 3)	6	(11, 4)	5	1	YES	YES	YES	NO	299
(13, 3)	6	(11, 4)	5	1	YES	YES	YES	498	300
(13, 3)	6	(11, 5)	6	1	YES	YES	NO(2)	NO	301
(13, 4)	6	(11, 2)	6	1	YES	YES	NO(2)	NO	302
(13, 4)	6	(11, 2)	6	1	YES	YES	NO(2)	NO	303
(13, 5)	5	(11, 4)	5	1	YES	YES	YES	NO	304
(13, 5)	5	(11, 5)	6	1	YES	YES	YES	NO	305
(13, 6)	7	(13, 3)	6	13	YES	YES	YES	NO	306
(14, 5)	6	(9, 2)	5	1	YES	YES	YES	NO	307
(14, 5)	6	(9, 2)	5	1	YES	YES	YES	NO	308
(14, 3)	6	(10, 3)	5	2	YES	YES	YES	NO	309
(14, 3)	6	(10, 3)	5	2	YES	YES	YES	NO	310
(14, 5)	6	(10, 3)	5	2	YES	YES	YES	NO	311
(14, 3)	6	(11, 3)	5	1	YES	YES	YES	NO	312
(14, 3)	6	(11, 3)	5	1	YES	YES	YES	NO	313
(14, 5)	6	(11, 3)	5	1	YES	YES	YES	NO	314
(14, 5)	6	(11, 3)	5	1	YES	YES	YES	NO	315
(14, 3)	6	(13, 4)	6	1	YES	YES	NO(2)	NO	316
(14, 3)	6	(13, 4)	6	1	YES	YES	NO(2)	NO	317
(14, 5)	6	(13, 3)	6	1	YES	YES	NO(2)	NO	318
(15, 4)	6	(7, 2)	4	1	YES	YES	NO(2)	NO	319
(15, 4)	6	(11, 2)	6	1	YES	YES	NO(2)	NO	320
(15, 4)	6	(11, 2)	6	1	YES	YES	NO(2)	NO	321
(15, 4)	6	(11, 3)	5	1	YES	YES	NO(2)	NO	322
(15, 4)	6	(11, 3)	5	1	YES	YES	NO(2)	NO	323
(15, 4)	6	(12, 5)	5	3	YES	YES	YES	NO	324
(16, 7)	6	(8, 3)	4	8	YES	YES	YES	NO	325
(16, 5)	7	(9, 2)	5	1	YES	YES	YES	NO	326
(16, 5)	7	(9, 2)	5	1	YES	YES	YES	NO	327
(16, 5)	7	(9, 2)	5	1	YES	YES	YES	NO	328
(16, 5)	7	(9, 4)	5	1	YES	YES	YES	NO	329
(16, 5)	7	(9, 4)	5	1	YES	YES	YES	NO	330
(16, 5)	7	(10, 3)	5	2	YES	YES	NO(2)	NO	331
(16, 5)	7	(11, 2)	6	1	YES	YES	NO(2)	NO	332

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(16, 5)	7	(11, 3)	5	1	YES	YES	YES	NO	333
(16, 5)	7	(11, 3)	5	1	YES	YES	YES	NO	334
(16, 5)	7	(12, 5)	5	4	YES	YES	YES	NO	335
(16, 5)	7	(12, 5)	5	4	YES	YES	YES	NO	336
(16, 5)	7	(12, 5)	5	4	YES	YES	YES	NO	337
(16, 7)	6	(15, 4)	6	1	YES	YES	YES	NO	338
(17, 7)	6	(5, 1)	4	1	YES	YES	YES	NO	339
(17, 7)	6	(6, 1)	5	1	YES	YES	YES	NO	340
(17, 7)	6	(6, 1)	5	1	YES	YES	YES	NO	341
(17, 6)	7	(7, 2)	4	1	YES	YES	YES	NO	342
(17, 6)	7	(7, 2)	4	1	YES	YES	YES	NO	343
(17, 7)	6	(7, 2)	4	1	YES	YES	NO(2)	NO	344
(17, 5)	6	(9, 4)	5	1	YES	YES	NO(2)	NO	345
(17, 5)	6	(9, 4)	5	1	YES	YES	NO(2)	NO	346
(17, 4)	7	(11, 5)	6	1	YES	YES	YES	NO	347
(17, 6)	7	(13, 3)	6	1	YES	YES	YES	NO	348
(17, 6)	7	(13, 5)	5	1	YES	YES	YES	NO	349
(17, 7)	6	(13, 6)	7	1	YES	YES	YES	NO	350
(17, 4)	7	(14, 5)	6	1	YES	YES	YES	NO	351
(17, 6)	7	(14, 3)	6	1	YES	YES	NO(2)	NO	352
(17, 4)	7	(16, 7)	6	1	YES	YES	YES	NO	353
(17, 7)	6	(16, 7)	6	1	YES	YES	YES	NO	354
(17, 7)	6	(16, 7)	6	1	YES	YES	NO(2)	NO	355
(18, 7)	6	(5, 1)	4	1	YES	YES	YES	NO	356
(18, 7)	6	(5, 1)	4	1	YES	YES	YES	NO	357
(18, 7)	6	(6, 1)	5	6	YES	YES	YES	NO	358
(18, 7)	6	(6, 1)	5	6	YES	YES	YES	NO	359
(18, 7)	6	(6, 1)	5	6	YES	YES	YES	NO	360
(18, 7)	6	(9, 2)	5	9	YES	YES	NO(2)	NO	361
(18, 7)	6	(9, 2)	5	9	YES	YES	NO(2)	NO	362
(18, 7)	6	(9, 4)	5	9	YES	YES	NO(2)	NO	363
(18, 5)	6	(11, 5)	6	1	YES	YES	NO(2)	NO	364
(18, 5)	6	(14, 5)	6	2	YES	YES	NO(2)	NO	365
(19, 4)	7	(5, 2)	3	1	YES	YES	YES	NO	366
(19, 4)	7	(5, 2)	3	1	YES	YES	YES	NO	367
(19, 5)	7	(5, 2)	3	1	YES	YES	YES	NO	368
(19, 6)	8	(5, 2)	3	1	YES	YES	YES	NO	369
(19, 8)	6	(5, 1)	4	1	YES	YES	NO(2)	NO	370
(19, 8)	6	(6, 1)	5	1	YES	YES	NO(2)	NO	371
(19, 8)	6	(6, 1)	5	1	YES	YES	NO(2)	NO	372
(19, 8)	6	(6, 1)	5	1	YES	YES	NO(2)	NO	373
(19, 4)	7	(7, 2)	4	1	YES	YES	YES	NO	374
(19, 4)	7	(7, 2)	4	1	YES	YES	YES	NO	375
(19, 5)	7	(7, 2)	4	1	YES	YES	YES	NO	376
(19, 5)	7	(7, 3)	4	1	YES	YES	YES	NO	377
(19, 6)	8	(7, 3)	4	1	YES	YES	YES	NO	378
(19, 6)	8	(7, 3)	4	1	YES	YES	YES	NO	379
(19, 7)	6	(8, 3)	4	1	YES	YES	YES	NO	380
(19, 8)	6	(8, 3)	4	1	YES	YES	YES	NO	381
(19, 8)	6	(8, 3)	4	1	YES	YES	NO(2)	NO	382
(19, 4)	7	(9, 4)	5	1	YES	YES	YES	NO	383
(19, 4)	7	(9, 4)	5	1	YES	YES	YES	NO	384
(19, 7)	6	(9, 4)	5	1	YES	YES	YES	NO	385

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(19, 7)	6	(9, 4)	5	1	YES	YES	YES	NO	386
(19, 5)	7	(10, 3)	5	1	YES	YES	YES	NO	387
(19, 5)	7	(10, 3)	5	1	YES	YES	YES	NO	388
(19, 7)	6	(10, 3)	5	1	YES	YES	YES	NO	389
(19, 4)	7	(11, 4)	5	1	YES	YES	YES	NO	390
(19, 7)	6	(11, 5)	6	1	YES	YES	NO(2)	NO	391
(19, 7)	6	(11, 5)	6	1	YES	YES	NO(2)	NO	392
(19, 7)	6	(14, 5)	6	1	YES	YES	YES	NO	393
(19, 3)	8	(17, 6)	7	1	YES	YES	YES	NO	394
(19, 7)	6	(17, 4)	7	1	YES	YES	YES	NO	395
(19, 7)	6	(17, 6)	7	1	YES	YES	NO(2)	585	396
(19, 7)	6	(18, 7)	6	1	YES	YES	YES	NO	397
(20, 9)	7	(5, 2)	3	5	YES	YES	NO(2)	NO	398
(20, 9)	7	(7, 2)	4	1	YES	YES	YES	NO	399
(20, 9)	7	(8, 3)	4	4	YES	YES	YES	NO	400
(20, 9)	7	(10, 3)	5	10	YES	YES	YES	NO	401
(20, 9)	7	(11, 3)	5	1	YES	YES	YES	NO	402
(20, 9)	7	(11, 3)	5	1	YES	YES	NO(2)	NO	403
(20, 9)	7	(11, 4)	5	1	YES	YES	YES	NO	404
(20, 3)	8	(13, 6)	7	1	YES	YES	YES	NO	405
(20, 7)	8	(13, 3)	6	1	YES	YES	NO(2)	NO	406
(20, 9)	7	(13, 3)	6	1	YES	YES	YES	NO	407
(20, 3)	8	(17, 6)	7	1	YES	YES	YES	NO	408
(20, 9)	7	(17, 7)	6	1	YES	YES	YES	542	409
(20, 9)	7	(19, 8)	6	1	YES	YES	YES	NO	410
(21, 8)	6	(5, 1)	4	1	YES	YES	NO(2)	NO	411
(21, 8)	6	(6, 1)	5	3	YES	YES	NO(2)	NO	412
(21, 8)	6	(6, 1)	5	3	YES	YES	NO(2)	NO	413
(21, 8)	6	(6, 1)	5	3	YES	YES	YES	NO	414
(21, 5)	8	(7, 3)	4	7	YES	YES	NO(2)	NO	415
(21, 8)	6	(9, 4)	5	3	YES	YES	NO(2)	NO	416
(21, 8)	6	(9, 4)	5	3	YES	YES	NO(2)	NO	417
(21, 8)	6	(9, 4)	5	3	YES	YES	NO(2)	NO	418
(21, 8)	6	(11, 5)	6	1	YES	YES	NO(2)	NO	419
(21, 4)	8	(13, 6)	7	1	YES	YES	NO(2)	NO	420
(21, 4)	8	(13, 6)	7	1	YES	YES	NO(2)	NO	421
(21, 5)	8	(13, 4)	6	1	YES	YES	YES	NO	422
(21, 8)	6	(14, 5)	6	7	YES	YES	NO(2)	NO	423
(21, 5)	8	(21, 4)	8	21	YES	YES	YES	NO	424
(22, 9)	7	(9, 4)	5	1	YES	YES	YES	NO	425
(22, 5)	7	(11, 5)	6	11	YES	YES	YES	NO	426
(22, 9)	7	(11, 5)	6	11	YES	YES	YES	NO	427
(22, 5)	7	(14, 5)	6	2	YES	YES	NO(2)	NO	428
(23, 5)	7	(3, 1)	2	1	YES	YES	YES	NO	429
(23, 5)	7	(4, 1)	3	1	YES	YES	YES	NO	430
(23, 5)	7	(4, 1)	3	1	YES	YES	YES	NO	431
(23, 9)	7	(5, 1)	4	1	YES	YES	YES	NO	432
(23, 9)	7	(5, 2)	3	1	YES	YES	YES	NO	433
(23, 6)	8	(7, 3)	4	1	YES	YES	YES	NO	434
(23, 9)	7	(7, 3)	4	1	YES	YES	YES	NO	435
(23, 9)	7	(7, 3)	4	1	YES	YES	YES	NO	436
(23, 9)	7	(9, 4)	5	1	YES	YES	YES	NO	437
(23, 4)	8	(11, 5)	6	1	YES	YES	YES	NO	438

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(23, 4)	8	(11, 5)	6	1	YES	YES	YES	NO	439
(23, 9)	7	(11, 4)	5	1	YES	YES	YES	NO	440
(23, 10)	7	(11, 5)	6	1	YES	YES	NO(2)	731	441
(23, 4)	8	(13, 6)	7	1	YES	YES	NO(2)	NO	442
(23, 4)	8	(13, 6)	7	1	YES	YES	NO(2)	NO	443
(23, 6)	8	(13, 4)	6	1	YES	YES	YES	NO	444
(23, 4)	8	(14, 5)	6	1	YES	YES	YES	NO	445
(23, 6)	8	(14, 3)	6	1	YES	YES	YES	NO	446
(23, 10)	7	(14, 3)	6	1	YES	YES	NO(2)	NO	447
(23, 6)	8	(16, 3)	7	1	YES	YES	YES	NO	448
(23, 6)	8	(16, 3)	7	1	YES	YES	YES	NO	449
(23, 6)	8	(20, 3)	8	1	YES	YES	YES	NO	450
(23, 4)	8	(21, 5)	8	1	YES	YES	YES	NO	451
(24, 7)	7	(4, 1)	3	4	YES	YES	YES	NO	452
(24, 7)	7	(4, 1)	3	4	YES	YES	YES	NO	453
(24, 7)	7	(5, 1)	4	1	YES	YES	YES	NO	454
(24, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	455
(24, 7)	7	(6, 1)	5	6	YES	YES	YES	NO	456
(24, 7)	7	(6, 1)	5	6	YES	YES	YES	NO	457
(24, 7)	7	(6, 1)	5	6	YES	YES	YES	NO	458
(24, 11)	8	(7, 3)	4	1	YES	YES	NO(2)	NO	459
(24, 5)	8	(9, 4)	5	3	YES	YES	YES	NO	460
(24, 5)	8	(11, 4)	5	1	YES	YES	YES	NO	461
(24, 5)	8	(11, 4)	5	1	YES	YES	YES	NO	462
(24, 5)	8	(13, 4)	6	1	YES	YES	YES	NO	463
(24, 11)	8	(20, 9)	7	4	YES	YES	YES	NO	464
(24, 5)	8	(21, 5)	8	3	YES	YES	YES	NO	465
(24, 5)	8	(23, 4)	8	1	YES	YES	YES	NO	466
(25, 9)	7	(3, 1)	2	1	YES	YES	YES	NO	467
(25, 9)	7	(3, 1)	2	1	YES	YES	NO(2)	NO	468
(25, 11)	7	(3, 1)	2	1	YES	YES	YES	NO	469
(25, 9)	7	(4, 1)	3	1	YES	YES	YES	NO	470
(25, 9)	7	(4, 1)	3	1	YES	YES	YES	NO	471
(25, 9)	7	(4, 1)	3	1	YES	YES	YES	NO	472
(25, 9)	7	(5, 2)	3	5	YES	YES	YES	NO	473
(25, 6)	9	(7, 3)	4	1	YES	YES	YES	NO	474
(25, 11)	7	(7, 2)	4	1	YES	YES	YES	NO	475
(25, 11)	7	(7, 2)	4	1	YES	YES	YES	NO	476
(25, 11)	7	(8, 3)	4	1	YES	YES	YES	752	477
(25, 11)	7	(8, 3)	4	1	YES	YES	YES	NO	478
(25, 7)	7	(11, 5)	6	1	YES	YES	NO(2)	NO	479
(25, 9)	7	(11, 3)	5	1	YES	YES	NO(2)	NO	480
(25, 9)	7	(13, 3)	6	1	YES	YES	YES	NO	481
(25, 11)	7	(13, 3)	6	1	YES	YES	YES	NO	482
(25, 11)	7	(13, 3)	6	1	YES	YES	YES	NO	483
(25, 9)	7	(19, 7)	6	1	YES	YES	YES	NO	484
(25, 6)	9	(20, 3)	8	5	YES	YES	YES	NO	485
(25, 4)	9	(24, 5)	8	1	YES	YES	YES	NO	486
(26, 7)	7	(3, 1)	2	1	YES	YES	NO(2)	NO	487
(26, 7)	7	(5, 1)	4	1	YES	YES	NO(2)	NO	488
(26, 7)	7	(5, 1)	4	1	YES	YES	NO(2)	NO	489
(26, 11)	7	(5, 1)	4	1	YES	YES	NO(2)	NO	490
(26, 7)	7	(7, 2)	4	1	YES	YES	YES	NO	491

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(26, 11)	7	(7, 3)	4	1	YES	YES	YES	NO	492
(26, 11)	7	(7, 3)	4	1	YES	YES	NO(2)	NO	493
(26, 11)	7	(8, 3)	4	2	YES	YES	NO(2)	NO	494
(27, 11)	8	(3, 1)	2	3	YES	YES	YES	NO	495
(27, 11)	8	(4, 1)	3	1	YES	YES	YES	NO	496
(27, 11)	8	(4, 1)	3	1	YES	YES	YES	NO	497
(27, 10)	7	(5, 1)	4	1	YES	YES	YES	300	498
(27, 10)	7	(5, 1)	4	1	YES	YES	YES	NO	499
(27, 11)	8	(6, 1)	5	3	YES	YES	YES	NO	500
(27, 8)	7	(7, 3)	4	1	YES	YES	YES	NO	501
(27, 11)	8	(7, 2)	4	1	YES	YES	YES	NO	502
(27, 11)	8	(9, 4)	5	9	YES	YES	YES	NO	503
(27, 11)	8	(12, 5)	5	3	YES	YES	YES	NO	504
(27, 10)	7	(17, 6)	7	1	YES	YES	YES	NO	505
(27, 11)	8	(22, 9)	7	1	YES	YES	YES	NO	506
(27, 11)	8	(27, 11)	8	27	YES	YES	YES	NO	507
(28, 11)	8	(2, 1)	1	2	YES	YES	YES	NO	508
(28, 11)	8	(3, 1)	2	1	YES	YES	YES	NO	509
(28, 11)	8	(4, 1)	3	4	YES	YES	YES	NO	510
(28, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	511
(28, 11)	8	(6, 1)	5	2	YES	YES	YES	NO	512
(28, 11)	8	(7, 2)	4	7	YES	YES	NO(2)	NO	513
(28, 5)	8	(11, 5)	6	1	YES	YES	YES	NO	514
(28, 11)	8	(11, 2)	6	1	YES	YES	NO(2)	NO	515
(28, 11)	8	(13, 5)	5	1	YES	YES	YES	NO	516
(28, 5)	8	(14, 5)	6	14	YES	YES	YES	NO	517
(28, 5)	8	(14, 5)	6	14	YES	YES	NO(2)	NO	518
(28, 5)	8	(21, 5)	8	7	YES	YES	NO(2)	NO	519
(28, 11)	8	(23, 9)	7	1	YES	YES	YES	NO	520
(28, 11)	8	(28, 11)	8	28	YES	YES	YES	NO	521
(29, 11)	7	(3, 1)	2	1	YES	YES	YES	NO	522
(29, 9)	8	(4, 1)	3	1	YES	YES	YES	NO	523
(29, 9)	8	(4, 1)	3	1	YES	YES	YES	NO	524
(29, 9)	8	(4, 1)	3	1	YES	YES	YES	NO	525
(29, 11)	7	(4, 1)	3	1	YES	YES	NO(2)	NO	526
(29, 13)	8	(4, 1)	3	1	YES	YES	YES	NO	527
(29, 6)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	528
(29, 9)	8	(5, 1)	4	1	YES	YES	YES	NO	529
(29, 9)	8	(5, 1)	4	1	YES	YES	YES	NO	530
(29, 9)	8	(5, 2)	3	1	YES	YES	YES	NO	531
(29, 9)	8	(5, 2)	3	1	YES	YES	YES	NO	532
(29, 11)	7	(5, 2)	3	1	YES	YES	YES	NO	533
(29, 13)	8	(5, 2)	3	1	YES	YES	YES	NO	534
(29, 9)	8	(7, 3)	4	1	YES	YES	YES	NO	535
(29, 11)	7	(7, 3)	4	1	YES	YES	YES	750	536
(29, 9)	8	(8, 3)	4	1	YES	YES	YES	NO	537
(29, 13)	8	(9, 2)	5	1	YES	YES	YES	NO	538
(29, 13)	8	(9, 2)	5	1	YES	YES	YES	NO	539
(29, 13)	8	(9, 2)	5	1	YES	YES	NO(2)	NO	540
(29, 12)	7	(10, 3)	5	1	YES	YES	NO(2)	NO	541
(29, 12)	7	(11, 5)	6	1	YES	YES	YES	409	542
(29, 13)	8	(12, 5)	5	1	YES	YES	YES	NO	543
(29, 6)	9	(13, 3)	6	1	YES	YES	NO(2)	NO	544

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(29, 7)	10	(13, 3)	6	1	YES	YES	NO(2)	NO	545
(29, 6)	9	(23, 4)	8	1	YES	YES	NO(2)	NO	546
(29, 9)	8	(23, 7)	7	1	YES	YES	YES	NO	547
(29, 4)	10	(25, 6)	9	1	YES	YES	NO(2)	NO	548
(29, 12)	7	(26, 11)	7	1	YES	YES	NO(2)	NO	549
(29, 6)	9	(29, 4)	10	29	YES	YES	NO(2)	NO	550
(29, 11)	7	(29, 11)	7	29	YES	YES	YES	NO	551
(30, 11)	7	(3, 1)	2	3	YES	YES	YES	NO	552
(30, 11)	7	(5, 1)	4	5	YES	YES	NO(2)	NO	553
(30, 11)	7	(5, 2)	3	5	YES	YES	YES	NO	554
(30, 11)	7	(5, 2)	3	5	YES	YES	YES	647	555
(30, 11)	7	(7, 2)	4	1	YES	YES	YES	NO	556
(30, 11)	7	(7, 2)	4	1	YES	YES	YES	NO	557
(30, 11)	7	(7, 3)	4	1	YES	YES	YES	853	558
(30, 13)	8	(7, 3)	4	1	YES	YES	NO(2)	NO	559
(30, 13)	8	(7, 3)	4	1	YES	YES	NO(2)	NO	560
(30, 11)	7	(10, 3)	5	10	YES	YES	YES	NO	561
(30, 11)	7	(13, 5)	5	1	YES	YES	YES	NO	562
(30, 13)	8	(13, 6)	7	1	YES	YES	NO(2)	NO	563
(30, 11)	7	(17, 6)	7	1	YES	YES	YES	NO	564
(30, 11)	7	(30, 11)	7	30	YES	YES	NO(2)	NO	565
(31, 7)	8	(2, 1)	1	1	YES	YES	YES	NO	566
(31, 9)	8	(2, 1)	1	1	YES	YES	YES	NO	567
(31, 7)	8	(3, 1)	2	1	YES	YES	YES	NO	568
(31, 7)	8	(3, 1)	2	1	YES	YES	YES	NO	569
(31, 11)	8	(3, 1)	2	1	YES	YES	YES	NO	570
(31, 11)	8	(3, 1)	2	1	YES	YES	YES	NO	571
(31, 11)	8	(4, 1)	3	1	YES	YES	NO(2)	NO	572
(31, 14)	8	(4, 1)	3	1	YES	YES	YES	NO	573
(31, 14)	8	(4, 1)	3	1	YES	YES	YES	NO	574
(31, 7)	8	(5, 1)	4	1	YES	YES	YES	NO	575
(31, 7)	8	(5, 1)	4	1	YES	YES	YES	NO	576
(31, 7)	8	(5, 1)	4	1	YES	YES	YES	NO	577
(31, 9)	8	(5, 2)	3	1	YES	YES	YES	NO	578
(31, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	579
(31, 13)	7	(5, 2)	3	1	YES	YES	YES	NO	580
(31, 13)	7	(5, 2)	3	1	YES	YES	YES	NO	581
(31, 7)	8	(7, 3)	4	1	YES	YES	YES	NO	582
(31, 11)	8	(7, 3)	4	1	YES	YES	YES	NO	583
(31, 12)	7	(7, 3)	4	1	YES	YES	NO(2)	NO	584
(31, 11)	8	(8, 3)	4	1	YES	YES	NO(2)	396	585
(31, 6)	10	(9, 4)	5	1	YES	YES	YES	NO	586
(31, 7)	8	(9, 2)	5	1	YES	YES	NO(2)	NO	587
(31, 12)	7	(9, 4)	5	1	YES	YES	NO(2)	NO	588
(31, 14)	8	(13, 6)	7	1	YES	YES	YES	NO	589
(31, 6)	10	(19, 3)	8	1	YES	YES	YES	NO	590
(31, 11)	8	(19, 7)	6	1	YES	YES	YES	NO	591
(31, 14)	8	(20, 9)	7	1	YES	YES	YES	NO	592
(31, 6)	10	(23, 4)	8	1	YES	YES	YES	NO	593
(31, 7)	8	(24, 5)	8	1	YES	YES	YES	NO	594
(31, 11)	8	(25, 9)	7	1	YES	YES	NO(2)	NO	595
(31, 12)	7	(28, 11)	8	1	YES	YES	NO(2)	896	596
(31, 11)	8	(31, 11)	8	31	YES	YES	YES	NO	597

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(31, 14)	8	(31, 14)	8	31	YES	YES	YES	NO	598
(32, 7)	8	(2, 1)	1	2	YES	YES	YES	NO	599
(32, 13)	9	(2, 1)	1	2	YES	YES	YES	NO	600
(32, 7)	8	(3, 1)	2	1	YES	YES	YES	NO	601
(32, 7)	8	(3, 1)	2	1	YES	YES	NO(2)	NO	602
(32, 9)	8	(3, 1)	2	1	YES	YES	NO(2)	NO	603
(32, 13)	9	(3, 1)	2	1	YES	YES	YES	NO	604
(32, 7)	8	(4, 1)	3	4	YES	YES	YES	NO	605
(32, 7)	8	(4, 1)	3	4	YES	YES	YES	NO	606
(32, 13)	9	(4, 1)	3	4	YES	YES	YES	NO	607
(32, 7)	8	(5, 1)	4	1	YES	YES	YES	NO	608
(32, 7)	8	(5, 1)	4	1	YES	YES	YES	NO	609
(32, 9)	8	(5, 2)	3	1	YES	YES	YES	NO	610
(32, 13)	9	(5, 1)	4	1	YES	YES	YES	NO	611
(32, 13)	9	(5, 1)	4	1	YES	YES	YES	NO	612
(32, 13)	9	(6, 1)	5	2	YES	YES	YES	NO	613
(32, 9)	8	(7, 2)	4	1	YES	YES	YES	NO	614
(32, 13)	9	(7, 3)	4	1	YES	YES	YES	NO	615
(32, 7)	8	(9, 2)	5	1	YES	YES	YES	NO	616
(32, 7)	8	(11, 4)	5	1	YES	YES	NO(2)	NO	617
(32, 9)	8	(13, 4)	6	1	YES	YES	YES	NO	618
(32, 7)	8	(14, 3)	6	2	YES	YES	YES	713	619
(32, 13)	9	(17, 7)	6	1	YES	YES	YES	NO	620
(32, 7)	8	(21, 5)	8	1	YES	YES	YES	NO	621
(32, 13)	9	(22, 9)	7	2	YES	YES	YES	871	622
(32, 13)	9	(27, 11)	8	1	YES	YES	YES	NO	623
(32, 7)	8	(32, 7)	8	32	YES	YES	NO(2)	NO	624
(33, 13)	9	(2, 1)	1	1	YES	YES	YES	NO	625
(33, 13)	9	(2, 1)	1	1	YES	YES	YES	NO	626
(33, 13)	9	(3, 1)	2	3	YES	YES	YES	NO	627
(33, 14)	8	(3, 1)	2	3	YES	YES	YES	NO	628
(33, 13)	9	(4, 1)	3	1	YES	YES	YES	NO	629
(33, 13)	9	(4, 1)	3	1	YES	YES	YES	NO	630
(33, 13)	9	(5, 1)	4	1	YES	YES	YES	NO	631
(33, 13)	9	(6, 1)	5	3	YES	YES	YES	NO	632
(33, 13)	9	(6, 1)	5	3	YES	YES	NO(2)	NO	633
(33, 13)	9	(8, 3)	4	1	YES	YES	YES	NO	634
(33, 14)	8	(8, 3)	4	1	YES	YES	YES	NO	635
(33, 10)	8	(11, 4)	5	11	YES	YES	NO(2)	NO	636
(33, 10)	8	(13, 4)	6	1	YES	YES	NO(2)	689	637
(33, 13)	9	(18, 7)	6	3	YES	YES	YES	NO	638
(33, 13)	9	(23, 9)	7	1	YES	YES	YES	891	639
(33, 13)	9	(28, 11)	8	1	YES	YES	YES	NO	640
(33, 14)	8	(33, 14)	8	33	YES	YES	YES	NO	641
(34, 9)	8	(2, 1)	1	2	YES	YES	YES	NO	642
(34, 13)	7	(2, 1)	1	2	YES	YES	YES	NO	643
(34, 9)	8	(3, 1)	2	1	YES	YES	YES	NO	644
(34, 9)	8	(3, 1)	2	1	YES	YES	YES	NO	645
(34, 13)	7	(3, 1)	2	1	YES	YES	YES	NO	646
(34, 13)	7	(3, 1)	2	1	YES	YES	YES	555	647
(34, 13)	7	(5, 2)	3	1	YES	YES	YES	NO	648
(34, 15)	8	(5, 2)	3	1	YES	YES	YES	NO	649
(34, 15)	8	(5, 2)	3	1	YES	YES	YES	NO	650

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(34, 13)	7	(7, 3)	4	1	YES	YES	YES	NO	651
(34, 9)	8	(8, 3)	4	2	YES	YES	NO(2)	NO	652
(34, 15)	8	(8, 3)	4	2	YES	YES	YES	NO	653
(34, 9)	8	(11, 3)	5	1	YES	YES	YES	NO	654
(34, 15)	8	(11, 5)	6	1	YES	YES	YES	NO	655
(34, 15)	8	(12, 5)	5	2	YES	YES	YES	952	656
(34, 15)	8	(13, 6)	7	1	YES	YES	NO(2)	NO	657
(34, 9)	8	(19, 5)	7	1	YES	YES	YES	NO	658
(34, 15)	8	(23, 10)	7	1	YES	YES	NO(2)	940	659
(35, 11)	9	(2, 1)	1	1	YES	YES	YES	NO	660
(35, 11)	9	(3, 1)	2	1	YES	YES	YES	NO	661
(35, 11)	9	(3, 1)	2	1	YES	YES	YES	NO	662
(35, 13)	8	(3, 1)	2	1	YES	YES	YES	NO	663
(35, 13)	8	(4, 1)	3	1	YES	YES	YES	NO	664
(35, 6)	10	(5, 2)	3	5	YES	YES	NO(2)	NO	665
(35, 6)	10	(5, 2)	3	5	YES	YES	NO(2)	NO	666
(35, 6)	10	(5, 2)	3	5	YES	YES	NO(2)	NO	667
(35, 13)	8	(6, 1)	5	1	YES	YES	YES	NO	668
(35, 13)	8	(6, 1)	5	1	YES	YES	YES	NO	669
(35, 8)	8	(7, 3)	4	7	YES	YES	YES	NO	670
(35, 8)	8	(7, 3)	4	7	YES	YES	YES	NO	671
(35, 11)	9	(7, 2)	4	7	YES	YES	YES	NO	672
(35, 16)	9	(9, 4)	5	1	YES	YES	YES	NO	673
(35, 16)	9	(11, 2)	6	1	YES	YES	NO(2)	NO	674
(35, 11)	9	(13, 4)	6	1	YES	YES	YES	NO	675
(35, 13)	8	(14, 5)	6	7	YES	YES	YES	NO	676
(35, 16)	9	(16, 7)	6	1	YES	YES	NO(2)	NO	677
(35, 6)	10	(20, 3)	8	5	YES	YES	YES	NO	678
(35, 6)	10	(22, 3)	9	1	YES	YES	YES	NO	679
(35, 8)	8	(25, 6)	9	5	YES	YES	YES	965	680
(36, 11)	8	(2, 1)	1	2	YES	YES	NO(2)	NO	681
(36, 11)	8	(3, 1)	2	3	YES	YES	YES	NO	682
(36, 11)	8	(3, 1)	2	3	YES	YES	YES	NO	683
(36, 13)	8	(3, 1)	2	3	YES	YES	YES	NO	684
(36, 13)	8	(3, 1)	2	3	YES	YES	YES	NO	685
(36, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	686
(36, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	687
(36, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	688
(36, 11)	8	(10, 3)	5	2	YES	YES	NO(2)	637	689
(36, 11)	8	(16, 5)	7	4	YES	YES	YES	NO	690
(36, 13)	8	(36, 13)	8	36	YES	YES	YES	NO	691
(37, 8)	8	(2, 1)	1	1	YES	YES	NO(2)	NO	692
(37, 14)	8	(2, 1)	1	1	YES	YES	YES	NO	693
(37, 14)	8	(2, 1)	1	1	YES	YES	YES	NO	694
(37, 8)	8	(3, 1)	2	1	YES	YES	NO(2)	NO	695
(37, 8)	8	(3, 1)	2	1	YES	YES	NO(2)	NO	696
(37, 10)	8	(3, 1)	2	1	YES	YES	NO(2)	NO	697
(37, 10)	8	(3, 1)	2	1	YES	YES	NO(2)	NO	698
(37, 14)	8	(3, 1)	2	1	YES	YES	YES	NO	699
(37, 14)	8	(3, 1)	2	1	YES	YES	YES	NO	700
(37, 14)	8	(3, 1)	2	1	YES	YES	NO(2)	NO	701
(37, 17)	9	(3, 1)	2	1	YES	YES	YES	NO	702
(37, 8)	8	(5, 1)	4	1	YES	YES	NO(2)	NO	703

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(37, 8)	8	(5, 1)	4	1	YES	YES	NO(2)	NO	704
(37, 8)	8	(5, 1)	4	1	YES	YES	NO(2)	NO	705
(37, 13)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	706
(37, 13)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	707
(37, 10)	8	(7, 2)	4	1	YES	YES	NO(2)	NO	708
(37, 10)	8	(7, 3)	4	1	YES	YES	YES	NO	709
(37, 16)	9	(7, 1)	6	1	YES	YES	YES	NO	710
(37, 16)	9	(7, 1)	6	1	YES	YES	YES	NO	711
(37, 13)	9	(8, 3)	4	1	YES	YES	YES	NO	712
(37, 8)	8	(9, 2)	5	1	YES	YES	YES	619	713
(37, 8)	8	(11, 4)	5	1	YES	YES	NO(2)	NO	714
(37, 17)	9	(13, 6)	7	1	YES	YES	YES	NO	715
(37, 8)	8	(14, 3)	6	1	YES	YES	YES	NO	716
(37, 10)	8	(14, 3)	6	1	YES	YES	NO(2)	NO	717
(37, 8)	8	(21, 5)	8	1	YES	YES	NO(2)	NO	718
(37, 10)	8	(34, 9)	8	1	YES	YES	NO(2)	NO	719
(37, 16)	9	(37, 16)	9	37	YES	YES	YES	NO	720
(38, 17)	9	(4, 1)	3	2	YES	YES	YES	NO	721
(38, 17)	9	(5, 1)	4	1	YES	YES	YES	NO	722
(38, 17)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	723
(38, 17)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	724
(38, 17)	9	(6, 1)	5	2	YES	YES	YES	NO	725
(38, 17)	9	(6, 1)	5	2	YES	YES	YES	NO	726
(38, 17)	9	(7, 3)	4	1	YES	YES	YES	NO	727
(38, 17)	9	(8, 3)	4	2	YES	YES	NO(2)	NO	728
(38, 17)	9	(29, 13)	8	1	YES	YES	YES	NO	729
(38, 17)	9	(38, 17)	9	38	YES	YES	YES	NO	730
(39, 17)	8	(2, 1)	1	1	YES	YES	NO(2)	441	731
(39, 14)	8	(3, 1)	2	3	YES	YES	YES	NO	732
(39, 14)	8	(3, 1)	2	3	YES	YES	YES	NO	733
(39, 17)	8	(3, 1)	2	3	YES	YES	YES	NO	734
(39, 17)	8	(3, 1)	2	3	YES	YES	YES	NO	735
(39, 14)	8	(4, 1)	3	1	YES	YES	YES	NO	736
(39, 14)	8	(4, 1)	3	1	YES	YES	NO(2)	NO	737
(39, 14)	8	(4, 1)	3	1	YES	YES	NO(2)	NO	738
(39, 14)	8	(7, 2)	4	1	YES	YES	YES	NO	739
(39, 17)	8	(9, 4)	5	3	YES	YES	YES	NO	740
(39, 17)	8	(39, 17)	8	39	YES	YES	YES	NO	741
(40, 11)	8	(2, 1)	1	2	YES	YES	NO(2)	NO	742
(40, 17)	9	(2, 1)	1	2	YES	YES	YES	NO	743
(40, 17)	9	(4, 1)	3	4	YES	YES	YES	NO	744
(40, 11)	8	(11, 3)	5	1	YES	YES	NO(2)	NO	745
(41, 11)	8	(2, 1)	1	1	YES	YES	NO(2)	NO	746
(41, 13)	10	(2, 1)	1	1	YES	YES	YES	NO	747
(41, 15)	8	(2, 1)	1	1	YES	YES	YES	NO	748
(41, 11)	8	(3, 1)	2	1	YES	YES	YES	NO	749
(41, 17)	8	(3, 1)	2	1	YES	YES	YES	536	750
(41, 17)	8	(3, 1)	2	1	YES	YES	YES	NO	751
(41, 18)	8	(3, 1)	2	1	YES	YES	YES	477	752
(41, 18)	8	(3, 1)	2	1	YES	YES	YES	NO	753
(41, 13)	10	(4, 1)	3	1	YES	YES	YES	NO	754
(41, 15)	8	(4, 1)	3	1	YES	YES	YES	NO	755
(41, 18)	8	(4, 1)	3	1	YES	YES	YES	NO	756

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(41, 18)	8	(4, 1)	3	1	YES	YES	YES	NO	757
(41, 15)	8	(5, 1)	4	1	YES	YES	YES	NO	758
(41, 15)	8	(5, 1)	4	1	YES	YES	YES	NO	759
(41, 15)	8	(6, 1)	5	1	YES	YES	YES	NO	760
(41, 15)	8	(6, 1)	5	1	YES	YES	YES	NO	761
(41, 11)	8	(8, 3)	4	1	YES	YES	YES	NO	762
(41, 15)	8	(11, 4)	5	1	YES	YES	YES	NO	763
(41, 18)	8	(11, 5)	6	1	YES	YES	YES	NO	764
(41, 11)	8	(23, 6)	8	1	YES	YES	YES	NO	765
(41, 15)	8	(41, 15)	8	41	YES	YES	YES	NO	766
(42, 13)	9	(2, 1)	1	2	YES	YES	YES	NO	767
(42, 19)	9	(2, 1)	1	2	YES	YES	YES	NO	768
(42, 19)	9	(2, 1)	1	2	YES	YES	YES	NO	769
(42, 13)	9	(3, 1)	2	3	YES	YES	NO(2)	NO	770
(42, 13)	9	(3, 1)	2	3	YES	YES	NO(2)	NO	771
(42, 19)	9	(3, 1)	2	3	YES	YES	YES	NO	772
(42, 19)	9	(3, 1)	2	3	YES	YES	NO(2)	NO	773
(42, 19)	9	(4, 1)	3	2	YES	YES	YES	NO	774
(42, 19)	9	(4, 1)	3	2	YES	YES	NO(2)	NO	775
(42, 13)	9	(5, 1)	4	1	YES	YES	YES	NO	776
(42, 13)	9	(5, 1)	4	1	YES	YES	YES	NO	777
(42, 19)	9	(5, 2)	3	1	YES	YES	YES	NO	778
(42, 19)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	779
(42, 19)	9	(6, 1)	5	6	YES	YES	YES	NO	780
(42, 19)	9	(6, 1)	5	6	YES	YES	YES	NO	781
(42, 19)	9	(7, 3)	4	7	YES	YES	YES	NO	782
(42, 19)	9	(9, 4)	5	3	YES	YES	YES	NO	783
(42, 19)	9	(42, 19)	9	42	YES	YES	YES	NO	784
(43, 19)	9	(2, 1)	1	1	YES	YES	YES	NO	785
(43, 16)	9	(3, 1)	2	1	YES	YES	YES	NO	786
(43, 19)	9	(3, 1)	2	1	YES	YES	YES	NO	787
(43, 16)	9	(4, 1)	3	1	YES	YES	YES	NO	788
(43, 19)	9	(5, 1)	4	1	YES	YES	YES	NO	789
(43, 19)	9	(5, 1)	4	1	YES	YES	YES	NO	790
(43, 19)	9	(7, 1)	6	1	YES	YES	YES	NO	791
(43, 19)	9	(7, 1)	6	1	YES	YES	YES	NO	792
(43, 19)	9	(7, 3)	4	1	YES	YES	YES	NO	793
(43, 19)	9	(9, 4)	5	1	YES	YES	YES	NO	794
(43, 16)	9	(11, 4)	5	1	YES	YES	YES	NO	795
(43, 16)	9	(35, 13)	8	1	YES	YES	YES	NO	796
(43, 19)	9	(43, 19)	9	43	YES	YES	YES	NO	797
(44, 17)	8	(2, 1)	1	2	YES	YES	YES	NO	798
(44, 19)	10	(2, 1)	1	2	YES	YES	YES	NO	799
(44, 17)	8	(3, 1)	2	1	YES	YES	YES	NO	800
(44, 17)	8	(3, 1)	2	1	YES	YES	YES	NO	801
(44, 19)	10	(3, 1)	2	1	YES	YES	YES	NO	802
(44, 17)	8	(7, 3)	4	1	YES	YES	YES	NO	803
(44, 19)	10	(9, 4)	5	1	YES	YES	YES	NO	804
(45, 13)	10	(2, 1)	1	1	YES	YES	YES	NO	805
(45, 14)	9	(2, 1)	1	1	YES	YES	YES	NO	806
(45, 14)	9	(2, 1)	1	1	YES	YES	YES	NO	807
(45, 17)	9	(2, 1)	1	1	YES	YES	YES	NO	808
(45, 14)	9	(3, 1)	2	3	YES	YES	YES	NO	809

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(45, 14)	9	(3, 1)	2	3	NO	YES	YES	NO	810
(45, 17)	9	(3, 1)	2	3	YES	YES	YES	NO	811
(45, 17)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	812
(45, 16)	9	(5, 1)	4	5	YES	YES	NO(2)	NO	813
(45, 14)	9	(6, 1)	5	3	YES	YES	YES	NO	814
(45, 14)	9	(6, 1)	5	3	YES	YES	YES	NO	815
(45, 17)	9	(6, 1)	5	3	YES	YES	NO(2)	NO	816
(45, 16)	9	(17, 6)	7	1	YES	YES	NO(2)	848	817
(45, 17)	9	(21, 8)	6	3	YES	YES	NO(2)	NO	818
(45, 17)	9	(37, 14)	8	1	YES	YES	NO(2)	NO	819
(46, 19)	8	(2, 1)	1	2	YES	YES	YES	NO	820
(46, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	821
(46, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	822
(46, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	823
(46, 13)	10	(4, 1)	3	2	YES	YES	YES	NO	824
(46, 19)	8	(4, 1)	3	2	YES	YES	YES	NO	825
(46, 21)	10	(4, 1)	3	2	YES	YES	NO(2)	NO	826
(46, 21)	10	(4, 1)	3	2	YES	YES	NO(2)	NO	827
(46, 19)	8	(5, 2)	3	1	YES	YES	YES	NO	828
(46, 21)	10	(5, 1)	4	1	YES	YES	NO(2)	NO	829
(46, 21)	10	(5, 1)	4	1	YES	YES	NO(2)	NO	830
(46, 17)	8	(7, 2)	4	1	YES	YES	NO(2)	NO	831
(46, 21)	10	(7, 3)	4	1	YES	YES	NO(2)	NO	832
(46, 17)	8	(14, 5)	6	2	YES	YES	NO(2)	NO	833
(46, 21)	10	(24, 11)	8	2	YES	YES	NO(2)	941	834
(46, 21)	10	(35, 16)	9	1	YES	YES	NO(2)	NO	835
(46, 13)	10	(39, 11)	9	1	YES	YES	YES	NO	836
(47, 14)	9	(2, 1)	1	1	YES	YES	NO(2)	NO	837
(47, 20)	10	(2, 1)	1	1	NO	YES	YES	NO	838
(47, 14)	9	(10, 3)	5	1	YES	YES	NO(2)	NO	839
(48, 17)	9	(2, 1)	1	2	YES	YES	YES	NO	840
(48, 17)	9	(2, 1)	1	2	YES	YES	NO(2)	NO	841
(48, 17)	9	(3, 1)	2	3	YES	YES	YES	NO	842
(48, 17)	9	(3, 1)	2	3	YES	YES	YES	NO	843
(48, 11)	9	(4, 1)	3	4	NO	YES	YES	NO	844
(48, 17)	9	(4, 1)	3	4	YES	YES	YES	NO	845
(48, 17)	9	(6, 1)	5	6	YES	YES	YES	NO	846
(48, 17)	9	(11, 4)	5	1	YES	YES	YES	954	847
(48, 17)	9	(14, 5)	6	2	YES	YES	NO(2)	817	848
(48, 17)	9	(17, 6)	7	1	YES	YES	YES	NO	849
(48, 17)	9	(20, 7)	8	4	YES	YES	NO(2)	NO	850
(48, 17)	9	(31, 11)	8	1	YES	YES	YES	NO	851
(48, 17)	9	(48, 17)	9	48	YES	YES	YES	NO	852
(49, 18)	8	(2, 1)	1	1	YES	YES	YES	558	853
(49, 18)	8	(2, 1)	1	1	YES	YES	YES	NO	854
(49, 22)	9	(2, 1)	1	1	YES	YES	YES	NO	855
(49, 15)	9	(3, 1)	2	1	YES	YES	YES	NO	856
(49, 15)	9	(3, 1)	2	1	YES	YES	YES	NO	857
(49, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	858
(49, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	859
(49, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	860
(49, 20)	9	(3, 1)	2	1	YES	YES	YES	NO	861
(49, 22)	9	(3, 1)	2	1	YES	YES	YES	NO	862

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(49, 19)	8	(4, 1)	3	1	YES	YES	YES	NO	863
(49, 22)	9	(4, 1)	3	1	YES	YES	YES	NO	864
(49, 22)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	865
(49, 15)	9	(5, 1)	4	1	YES	YES	NO(2)	NO	866
(49, 15)	9	(5, 1)	4	1	YES	YES	NO(2)	NO	867
(49, 15)	9	(5, 2)	3	1	YES	YES	YES	NO	868
(49, 20)	9	(5, 1)	4	1	YES	YES	YES	NO	869
(49, 20)	9	(5, 1)	4	1	YES	YES	YES	NO	870
(49, 20)	9	(5, 2)	3	1	YES	YES	YES	622	871
(49, 18)	8	(8, 3)	4	1	YES	YES	YES	NO	872
(49, 13)	9	(9, 2)	5	1	YES	YES	YES	NO	873
(49, 13)	9	(11, 3)	5	1	YES	YES	YES	NO	874
(49, 22)	9	(20, 9)	7	1	YES	YES	YES	NO	875
(49, 11)	10	(22, 5)	7	1	YES	YES	YES	NO	876
(49, 13)	9	(23, 6)	8	1	YES	YES	YES	1007	877
(49, 9)	10	(28, 5)	8	7	YES	YES	YES	NO	878
(49, 22)	9	(29, 13)	8	1	YES	YES	YES	NO	879
(49, 20)	9	(49, 20)	9	49	YES	YES	YES	NO	880
(50, 19)	8	(2, 1)	1	2	YES	YES	YES	NO	881
(50, 23)	10	(2, 1)	1	2	NO	YES	YES	NO	882
(50, 11)	10	(7, 2)	4	1	YES	YES	NO(2)	NO	883
(51, 20)	9	(2, 1)	1	1	YES	YES	YES	NO	884
(51, 23)	9	(2, 1)	1	1	YES	YES	YES	NO	885
(51, 16)	10	(3, 1)	2	3	NO	YES	NO(2)	NO	886
(51, 20)	9	(3, 1)	2	3	YES	YES	NO(2)	NO	887
(51, 20)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	888
(51, 20)	9	(5, 1)	4	1	YES	YES	YES	NO	889
(51, 20)	9	(5, 1)	4	1	YES	YES	NO(2)	NO	890
(51, 20)	9	(5, 2)	3	1	YES	YES	YES	639	891
(51, 23)	9	(6, 1)	5	3	YES	YES	NO(2)	NO	892
(51, 23)	9	(6, 1)	5	3	YES	YES	NO(2)	NO	893
(51, 20)	9	(8, 3)	4	1	YES	YES	NO(2)	NO	894
(51, 23)	9	(9, 4)	5	3	YES	YES	YES	NO	895
(51, 20)	9	(13, 5)	5	1	YES	YES	NO(2)	596	896
(51, 23)	9	(20, 9)	7	1	YES	YES	YES	NO	897
(51, 20)	9	(51, 20)	9	51	YES	YES	NO(2)	NO	898
(52, 19)	9	(3, 1)	2	1	YES	YES	YES	NO	899
(52, 19)	9	(7, 1)	6	1	YES	YES	YES	NO	900
(52, 19)	9	(11, 4)	5	1	YES	YES	YES	NO	901
(52, 19)	9	(19, 7)	6	1	YES	YES	YES	NO	902
(53, 19)	9	(3, 1)	2	1	YES	YES	YES	NO	903
(53, 19)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	904
(53, 19)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	905
(53, 14)	9	(4, 1)	3	1	YES	YES	YES	NO	906
(53, 19)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	907
(53, 19)	9	(5, 1)	4	1	YES	YES	NO(2)	NO	908
(53, 19)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	909
(53, 19)	9	(8, 3)	4	1	YES	YES	NO(2)	NO	910
(53, 19)	9	(14, 5)	6	1	YES	YES	YES	NO	911
(53, 19)	9	(25, 9)	7	1	YES	YES	YES	958	912
(53, 19)	9	(53, 19)	9	53	YES	YES	NO(2)	NO	913
(55, 16)	9	(2, 1)	1	1	YES	YES	YES	NO	914
(55, 23)	9	(2, 1)	1	1	NO	YES	YES	NO	915

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(55, 16)	9	(3, 1)	2	1	NO	YES	YES	NO	916
(55, 24)	9	(3, 1)	2	1	YES	YES	YES	NO	917
(55, 24)	9	(11, 5)	6	11	YES	YES	NO(2)	NO	918
(55, 24)	9	(16, 7)	6	1	YES	YES	YES	NO	919
(56, 25)	11	(2, 1)	1	2	NO	YES	YES	NO	920
(56, 13)	10	(4, 1)	3	4	YES	YES	NO(2)	NO	921
(56, 13)	10	(4, 1)	3	4	YES	YES	NO(2)	NO	922
(56, 15)	9	(4, 1)	3	4	YES	YES	YES	NO	923
(56, 15)	9	(4, 1)	3	4	YES	YES	YES	NO	924
(56, 17)	9	(4, 1)	3	4	YES	YES	YES	NO	925
(56, 17)	9	(4, 1)	3	4	YES	YES	NO(2)	NO	926
(56, 13)	10	(13, 3)	6	1	YES	YES	NO(2)	NO	927
(56, 13)	10	(25, 6)	9	1	YES	YES	NO(2)	NO	928
(57, 25)	9	(3, 1)	2	3	YES	YES	YES	NO	929
(57, 25)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	930
(57, 25)	9	(16, 7)	6	1	YES	YES	YES	NO	931
(59, 13)	11	(2, 1)	1	1	YES	YES	YES	NO	932
(59, 13)	11	(3, 1)	2	1	YES	YES	YES	NO	933
(59, 13)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	934
(59, 26)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	935
(59, 14)	10	(4, 1)	3	1	YES	YES	NO(2)	NO	936
(59, 27)	10	(5, 1)	4	1	YES	YES	NO(2)	NO	937
(59, 27)	10	(5, 1)	4	1	YES	YES	NO(2)	NO	938
(59, 14)	10	(7, 2)	4	1	YES	YES	YES	NO	939
(59, 26)	9	(7, 3)	4	1	YES	YES	NO(2)	659	940
(59, 27)	10	(11, 5)	6	1	YES	YES	NO(2)	834	941
(59, 13)	11	(13, 3)	6	1	YES	YES	NO(2)	NO	942
(61, 24)	10	(2, 1)	1	1	NO	YES	YES	NO	943
(61, 19)	10	(3, 1)	2	1	NO	YES	YES	NO	944
(62, 27)	9	(2, 1)	1	2	NO	YES	YES	NO	945
(63, 26)	9	(2, 1)	1	1	NO	YES	YES	NO	946
(63, 26)	9	(2, 1)	1	1	YES	YES	NO(2)	NO	947
(63, 26)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	948
(63, 26)	9	(5, 2)	3	1	YES	YES	YES	NO	949
(64, 23)	9	(2, 1)	1	2	YES	YES	YES	NO	950
(64, 23)	9	(2, 1)	1	2	YES	YES	NO(2)	NO	951
(64, 27)	9	(2, 1)	1	2	YES	YES	YES	656	952
(64, 27)	9	(2, 1)	1	2	YES	YES	NO(2)	NO	953
(64, 23)	9	(3, 1)	2	1	YES	YES	YES	847	954
(64, 23)	9	(3, 1)	2	1	YES	YES	YES	NO	955
(64, 23)	9	(5, 1)	4	1	YES	YES	NO(2)	NO	956
(64, 27)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	957
(64, 23)	9	(14, 5)	6	2	YES	YES	YES	912	958
(64, 23)	9	(39, 14)	8	1	YES	YES	YES	NO	959
(65, 24)	9	(3, 1)	2	1	YES	YES	YES	NO	960
(65, 24)	9	(11, 4)	5	1	YES	YES	NO(2)	NO	961
(65, 17)	10	(23, 6)	8	1	YES	YES	YES	NO	962
(65, 24)	9	(65, 24)	9	65	YES	YES	YES	NO	963
(66, 25)	9	(2, 1)	1	2	NO	YES	YES	NO	964
(67, 16)	11	(9, 2)	5	1	YES	YES	YES	680	965
(67, 16)	11	(21, 5)	8	1	YES	YES	YES	NO	966
(68, 25)	9	(2, 1)	1	2	NO	YES	YES	NO	967
(69, 19)	9	(3, 1)	2	3	YES	YES	YES	NO	968

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(71, 13)	12	(2, 1)	1	1	YES	YES	YES	NO	969
(71, 13)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	970
(71, 22)	10	(2, 1)	1	1	YES	YES	YES	NO	971
(71, 31)	10	(2, 1)	1	1	YES	YES	NO(2)	NO	972
(71, 17)	11	(3, 1)	2	1	YES	YES	YES	NO	973
(71, 17)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	974
(71, 13)	12	(6, 1)	5	1	YES	YES	NO(2)	NO	975
(71, 17)	11	(25, 6)	9	1	YES	YES	YES	NO	976
(71, 17)	11	(29, 7)	10	1	YES	YES	NO(2)	NO	977
(72, 13)	12	(2, 1)	1	2	YES	YES	NO(2)	NO	978
(72, 13)	12	(2, 1)	1	2	YES	YES	NO(2)	NO	979
(72, 19)	10	(2, 1)	1	2	YES	YES	NO(2)	NO	980
(72, 13)	12	(3, 1)	2	3	YES	YES	YES	NO	981
(72, 13)	12	(4, 1)	3	4	YES	YES	YES	NO	982
(72, 17)	11	(4, 1)	3	4	NO	YES	NO(2)	NO	983
(72, 13)	12	(5, 1)	4	1	YES	YES	YES	NO	984
(72, 13)	12	(11, 2)	6	1	YES	YES	YES	NO	985
(73, 27)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	986
(73, 27)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	987
(73, 27)	9	(8, 3)	4	1	YES	YES	YES	NO	988
(74, 17)	11	(2, 1)	1	2	YES	YES	NO(2)	NO	989
(74, 29)	10	(2, 1)	1	2	NO	YES	YES	NO	990
(74, 31)	9	(2, 1)	1	2	NO	YES	YES	NO	991
(76, 13)	12	(5, 1)	4	1	YES	YES	YES	NO	992
(76, 13)	12	(35, 6)	10	1	YES	YES	YES	NO	993
(77, 16)	11	(3, 1)	2	1	YES	YES	YES	NO	994
(77, 16)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	995
(77, 16)	11	(11, 2)	6	11	YES	YES	NO(2)	NO	996
(77, 16)	11	(24, 5)	8	1	YES	YES	YES	NO	997
(79, 17)	11	(2, 1)	1	1	YES	YES	NO(2)	NO	998
(79, 30)	9	(2, 1)	1	1	NO	YES	NO(2)	NO	999
(79, 31)	10	(2, 1)	1	1	NO	YES	YES	NO	1000
(79, 17)	11	(4, 1)	3	1	YES	YES	NO(2)	NO	1001
(79, 17)	11	(14, 3)	6	1	YES	YES	YES	NO	1002
(80, 19)	11	(2, 1)	1	2	YES	YES	NO(2)	NO	1003
(82, 19)	12	(4, 1)	3	2	YES	YES	NO(2)	NO	1004
(82, 19)	12	(13, 3)	6	1	YES	YES	NO(2)	NO	1005
(83, 22)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1006
(83, 22)	10	(4, 1)	3	1	YES	YES	YES	877	1007
(83, 22)	10	(4, 1)	3	1	YES	YES	YES	NO	1008
(83, 22)	10	(34, 9)	8	1	YES	YES	NO(2)	NO	1009
(84, 37)	10	(2, 1)	1	2	NO	YES	NO(2)	NO	1010
(85, 37)	10	(2, 1)	1	1	NO	YES	NO(2)	NO	1011
(88, 21)	12	(4, 1)	3	4	YES	YES	NO(2)	NO	1012
(88, 21)	12	(67, 16)	11	1	YES	YES	NO(2)	NO	1013
(89, 27)	10	(2, 1)	1	1	YES	YES	NO(2)	NO	1014
(89, 40)	11	(2, 1)	1	1	NO	YES	NO(2)	NO	1015
(89, 17)	12	(5, 1)	4	1	YES	YES	YES	NO	1016
(91, 19)	11	(3, 1)	2	1	YES	YES	YES	NO	1017
(91, 19)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1018
(91, 17)	12	(6, 1)	5	1	YES	YES	NO(2)	NO	1019
(91, 17)	12	(11, 2)	6	1	YES	YES	NO(2)	NO	1020
(91, 19)	11	(24, 5)	8	1	YES	YES	YES	NO	1021

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(91, 19)	11	(29, 6)	9	1	YES	YES	NO(2)	NO	1022
(92, 19)	12	(7, 1)	6	1	YES	YES	NO(2)	NO	1023
(92, 19)	12	(29, 6)	9	1	YES	YES	NO(2)	NO	1024
(96, 17)	12	(2, 1)	1	2	YES	YES	NO(2)	NO	1025
(97, 26)	10	(2, 1)	1	1	YES	YES	NO(2)	NO	1026
(97, 26)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1027
(97, 26)	10	(4, 1)	3	1	YES	YES	YES	NO	1028
(99, 17)	12	(2, 1)	1	1	YES	YES	YES	NO	1029
(99, 17)	12	(35, 6)	10	1	YES	YES	YES	NO	1030
(101, 16)	13	(7, 1)	6	1	YES	YES	YES	NO	1031
(101, 16)	13	(19, 3)	8	1	YES	YES	YES	NO	1032
(120, 19)	14	(19, 3)	8	1	YES	YES	NO(2)	NO	1033
$(a; 2, 0, 0; 17)$	6	(2, 1)	1	1	YES	YES	YES	NO	1034
$(a; 2, 0, 0; 17)$	6	(5, 2)	3	1	YES	YES	NO(2)	NO	1035
$(a; 3, 0, 0; 7)$	7	(3, 1)	2	1	YES	YES	NO(2)	NO	1036
$(a; 3, 0, 0; 7)$	7	(7, 2)	4	7	YES	YES	YES	NO	1037
$(a; 3, 0, 1; 31)$	8	(3, 1)	2	1	YES	YES	YES	NO	1038
$(a; 3, 1, 0; 31)$	8	(2, 1)	1	1	YES	YES	YES	NO	1039
$(a; 3, 1, 0; 31)$	8	(3, 1)	2	1	YES	YES	NO(2)	NO	1040
$(a; 3, 1, 0; 31)$	8	(4, 1)	3	1	YES	YES	YES	NO	1041
$(a; 4, 0, 0; 25)$	8	(3, 1)	2	1	YES	YES	YES	NO	1042
$(a; 4, 0, 0; 25)$	8	(7, 3)	4	1	YES	YES	NO(2)	NO	1043
$(a; 4, 2, 0; 7)$	10	(5, 1)	4	1	YES	YES	NO(2)	NO	1044
$(b; 0, 0, 3; 32)$	8	(2, 1)	1	2	YES	YES	NO(2)	NO	1045
$(b; 0, 1, 0; 19)$	6	(9, 4)	5	1	YES	YES	NO(2)	NO	1046
$(b; 0, 2, 0; 8)$	7	(4, 1)	3	4	YES	YES	NO(2)	NO	1047
$(b; 0, 3, 0; 29)$	8	(2, 1)	1	1	YES	YES	YES	NO	1048
$(b; 0, 3, 0; 29)$	8	(3, 1)	2	1	YES	YES	NO(2)	NO	1049
$(b; 0, 3, 0; 29)$	8	(5, 1)	4	1	YES	YES	NO(2)	NO	1050
$(b; 3, 0, 0; 16)$	8	(2, 1)	1	2	YES	YES	YES	NO	1051
$(c; 0, 0, 0; 4)$	4	(15, 4)	6	1	YES	YES	NO(2)	NO	1052
$(c; 0, 0, 0; 4)$	4	(16, 7)	6	4	YES	YES	NO(2)	NO	1053
$(c; 0, 0, 0; 4)$	4	(20, 9)	7	4	YES	YES	YES	NO	1054
$(c; 0, 0, 0; 4)$	4	(25, 9)	7	1	YES	YES	YES	NO	1055
$(c; 0, 1, 0; 11)$	5	(9, 4)	5	1	YES	YES	YES	NO	1056
$(c; 0, 1, 0; 11)$	5	(11, 4)	5	11	YES	YES	YES	NO	1057
$(c; 0, 1, 0; 11)$	5	(11, 5)	6	11	YES	YES	YES	NO	1058
$(c; 0, 1, 1; 5)$	6	(11, 3)	5	1	YES	YES	YES	NO	1059
$(c; 0, 1, 1; 5)$	6	(13, 4)	6	1	YES	YES	YES	NO	1060
$(c; 0, 2, 0; 7)$	6	(5, 1)	4	1	YES	YES	NO(2)	NO	1061
$(c; 0, 2, 0; 7)$	6	(5, 2)	3	1	YES	YES	NO(2)	NO	1062
$(c; 0, 2, 0; 7)$	6	(6, 1)	5	1	YES	YES	NO(2)	NO	1063
$(c; 0, 2, 0; 7)$	6	(8, 3)	4	1	YES	YES	NO(2)	NO	1064
$(c; 0, 2, 1; 19)$	7	(4, 1)	3	1	YES	YES	NO(2)	NO	1065
$(c; 0, 2, 1; 19)$	7	(11, 3)	5	1	YES	YES	YES	NO	1066
$(c; 0, 3, 0; 17)$	7	(4, 1)	3	1	YES	YES	YES	NO	1067
$(c; 0, 3, 0; 17)$	7	(5, 1)	4	1	YES	YES	YES	NO	1068
$(c; 0, 3, 0; 17)$	7	(5, 2)	3	1	YES	YES	YES	NO	1069
$(c; 0, 3, 0; 17)$	7	(8, 3)	4	1	YES	YES	YES	NO	1070
$(c; 0, 3, 1; 23)$	8	(4, 1)	3	1	YES	YES	YES	NO	1071
$(c; 0, 3, 1; 23)$	8	(5, 1)	4	1	YES	YES	YES	NO	1072
$(c; 0, 3, 1; 23)$	8	(6, 1)	5	1	YES	YES	YES	NO	1073
$(c; 0, 3, 2; 29)$	9	(3, 1)	2	1	YES	YES	YES	NO	1074

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(c; 0, 3, 2; 29)$	9	$(5, 1)$	4	1	YES	YES	YES	NO	1075
$(c; 0, 4, 0; 10)$	8	$(3, 1)$	2	1	YES	YES	YES	NO	1076
$(c; 0, 4, 0; 10)$	8	$(4, 1)$	3	2	YES	YES	YES	NO	1077
$(c; 0, 4, 0; 10)$	8	$(6, 1)$	5	2	YES	YES	YES	NO	1078
$(c; 0, 4, 1; 9)$	9	$(4, 1)$	3	1	YES	YES	YES	NO	1079
$(c; 0, 4, 1; 9)$	9	$(7, 1)$	6	1	YES	YES	YES	NO	1080
$(d; 0, 0, 0; 5)$	5	$(11, 4)$	5	1	YES	YES	YES	NO	1081
$(d; 0, 0, 1; 14)$	6	$(11, 3)$	5	1	YES	YES	YES	NO	1082
$(d; 0, 0, 2; 9)$	7	$(9, 2)$	5	9	YES	YES	NO(2)	NO	1083
$(d; 0, 0, 3; 22)$	8	$(4, 1)$	3	2	YES	YES	YES	NO	1084
$(d; 0, 0, 3; 22)$	8	$(5, 1)$	4	1	YES	YES	YES	NO	1085
$(d; 0, 0, 3; 22)$	8	$(7, 2)$	4	1	YES	YES	YES	NO	1086
$(d; 0, 0, 4; 13)$	9	$(3, 1)$	2	1	YES	YES	YES	NO	1087
$(d; 0, 1, 0; 6)$	6	$(5, 1)$	4	1	YES	YES	NO(2)	NO	1088
$(d; 0, 1, 0; 6)$	6	$(5, 2)$	3	1	YES	YES	NO(2)	NO	1089
$(d; 0, 1, 0; 6)$	6	$(6, 1)$	5	6	YES	YES	NO(2)	NO	1090
$(d; 0, 1, 0; 6)$	6	$(8, 3)$	4	2	YES	YES	NO(2)	NO	1091
$(d; 0, 1, 2; 11)$	8	$(4, 1)$	3	1	YES	YES	NO(2)	NO	1092
$(d; 0, 2, 0; 7)$	7	$(4, 1)$	3	1	YES	YES	YES	NO	1093
$(d; 0, 2, 1; 20)$	8	$(4, 1)$	3	4	YES	YES	YES	NO	1094
$(d; 0, 3, 1; 23)$	9	$(3, 1)$	2	1	YES	YES	YES	NO	1095
$(d; 0, 3, 1; 23)$	9	$(7, 1)$	6	1	YES	YES	YES	NO	1096
$(e; 0, 1, 0; 5)$	6	$(7, 3)$	4	1	YES	YES	NO(2)	NO	1097
$(e; 0, 2, 0; 6)$	7	$(7, 2)$	4	1	YES	YES	NO(2)	NO	1098
$(e; 0, 3, 0; 7)$	8	$(2, 1)$	1	1	YES	YES	YES	NO	1099
$(e; 0, 3, 0; 7)$	8	$(3, 1)$	2	1	YES	YES	NO(2)	NO	1100
$(e; 0, 3, 0; 7)$	8	$(5, 1)$	4	1	YES	YES	NO(2)	NO	1101
$(e; 3, 0, 0; 10)$	8	$(2, 1)$	1	2	YES	YES	NO(2)	NO	1102
$(f; 0, 0, 0; 6)$	4	$(16, 5)$	7	2	YES	YES	YES	NO	1103
$(f; 0, 0, 0; 6)$	4	$(18, 7)$	6	6	YES	YES	YES	NO	1104
$(f; 0, 0, 0; 6)$	4	$(19, 5)$	7	1	YES	YES	YES	NO	1105
$(f; 0, 0, 0; 6)$	4	$(19, 6)$	8	1	YES	YES	YES	NO	1106
$(f; 0, 0, 0; 6)$	4	$(23, 7)$	7	1	YES	YES	NO(2)	NO	1107
$(f; 0, 0, 0; 6)$	4	$(23, 9)$	7	1	YES	YES	YES	NO	1108
$(f; 0, 0, 0; 6)$	4	$(24, 11)$	8	6	YES	YES	NO(2)	NO	1109
$(f; 0, 0, 0; 6)$	4	$(26, 11)$	7	2	YES	YES	YES	NO	1110
$(f; 0, 0, 0; 6)$	4	$(29, 13)$	8	1	YES	YES	NO(2)	NO	1111
$(f; 0, 0, 0; 6)$	4	$(30, 13)$	8	6	YES	YES	NO(2)	NO	1112
$(f; 0, 0, 0; 6)$	4	$(35, 8)$	8	1	YES	YES	YES	NO	1113
$(f; 0, 1, 0; 7)$	5	$(10, 3)$	5	1	YES	YES	YES	NO	1114
$(f; 0, 1, 0; 7)$	5	$(13, 4)$	6	1	YES	YES	YES	NO	1115
$(f; 0, 1, 0; 7)$	5	$(13, 5)$	5	1	YES	YES	YES	NO	1116
$(f; 0, 1, 0; 7)$	5	$(19, 4)$	7	1	YES	YES	YES	NO	1117
$(f; 0, 2, 0; 8)$	6	$(11, 3)$	5	1	YES	YES	NO(2)	NO	1118
$(i; 0, 0, 0; 9)$	5	$(6, 1)$	5	3	YES	YES	YES	NO	1119
$(i; 0, 0, 0; 9)$	5	$(9, 4)$	5	9	YES	YES	YES	NO	1120
$(i; 0, 0, 0; 9)$	5	$(10, 3)$	5	1	YES	YES	YES	NO	1121
$(i; 0, 0, 0; 9)$	5	$(12, 5)$	5	3	YES	YES	YES	NO	1122
$(i; 0, 0, 0; 9)$	5	$(19, 4)$	7	1	YES	YES	YES	NO	1123
$(i; 0, 0, 0; 9)$	5	$(22, 5)$	7	1	YES	YES	NO(2)	NO	1124
$(i; 0, 1, 0; 12)$	6	$(5, 1)$	4	1	YES	YES	NO(2)	NO	1125
$(i; 0, 1, 0; 12)$	6	$(8, 3)$	4	4	YES	YES	YES	NO	1126
$(i; 0, 1, 0; 12)$	6	$(13, 3)$	6	1	YES	YES	YES	NO	1127

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(i; 0, 1, 0; 12)$	6	$(14, 3)$	6	2	YES	YES	YES	NO	1128
$(i; 0, 2, 0; 15)$	7	$(4, 1)$	3	1	YES	YES	YES	NO	1129
$(i; 0, 3, 0; 18)$	8	$(2, 1)$	1	2	YES	YES	YES	NO	1130
$(i; 0, 3, 0; 18)$	8	$(3, 1)$	2	3	YES	YES	YES	NO	1131
$(i; 0, 3, 0; 18)$	8	$(4, 1)$	3	2	YES	YES	YES	NO	1132
$(i; 0, 3, 0; 18)$	8	$(5, 1)$	4	1	YES	YES	YES	NO	1133
$(j; 0, 0, 0; 8)$	5	$(9, 4)$	5	1	YES	YES	YES	NO	1134
$(j; 0, 0, 0; 8)$	5	$(11, 5)$	6	1	YES	YES	YES	NO	1135

2.8 2 chains, $K^2 = 3$

2 chains, $K^2 = 3$									
(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(16, 7)$	6	$(16, 7)$	6	16	YES	YES	YES	NO	1136
$(17, 3)$	7	$(14, 5)$	6	1	YES	YES	YES	NO	1137
$(17, 5)$	6	$(14, 3)$	6	1	YES	YES	YES	NO	1138
$(19, 5)$	7	$(10, 3)$	5	1	YES	YES	YES	NO	1139
$(19, 4)$	7	$(16, 7)$	6	1	YES	YES	NO(2)	NO	1140
$(19, 6)$	8	$(17, 3)$	7	1	YES	YES	YES	NO	1141
$(19, 6)$	8	$(17, 3)$	7	1	YES	YES	YES	NO	1142
$(19, 6)$	8	$(17, 7)$	6	1	YES	YES	YES	NO	1143
$(20, 9)$	7	$(13, 3)$	6	1	YES	YES	NO(2)	NO	1144
$(20, 9)$	7	$(13, 3)$	6	1	YES	YES	NO(2)	NO	1145
$(20, 9)$	7	$(16, 5)$	7	4	YES	YES	YES	NO	1146
$(20, 7)$	8	$(18, 5)$	6	2	YES	YES	NO(2)	NO	1147
$(20, 7)$	8	$(18, 5)$	6	2	YES	YES	NO(2)	NO	1148
$(20, 7)$	8	$(20, 7)$	8	20	YES	YES	YES	NO	1149
$(21, 8)$	6	$(9, 2)$	5	3	YES	YES	YES	NO	1150
$(21, 4)$	8	$(16, 5)$	7	1	YES	YES	YES	NO	1151
$(21, 4)$	8	$(16, 5)$	7	1	YES	YES	YES	NO	1152
$(21, 4)$	8	$(16, 5)$	7	1	YES	YES	YES	NO	1153
$(22, 7)$	9	$(18, 7)$	6	2	YES	YES	YES	NO	1154
$(23, 6)$	8	$(17, 3)$	7	1	YES	YES	YES	NO	1155
$(23, 6)$	8	$(17, 3)$	7	1	YES	YES	YES	NO	1156
$(23, 8)$	9	$(23, 5)$	7	23	YES	YES	YES	NO	1157
$(24, 7)$	7	$(19, 5)$	7	1	YES	YES	NO(2)	NO	1158
$(24, 5)$	8	$(24, 5)$	8	24	YES	YES	YES	NO	1159
$(25, 11)$	7	$(16, 5)$	7	1	YES	YES	YES	NO	1160
$(25, 11)$	7	$(16, 5)$	7	1	YES	YES	YES	NO	1161
$(25, 9)$	7	$(21, 5)$	8	1	YES	YES	YES	NO	1162
$(25, 9)$	7	$(21, 5)$	8	1	YES	YES	YES	NO	1163
$(26, 7)$	7	$(13, 3)$	6	13	YES	YES	NO(2)	NO	1164
$(26, 7)$	7	$(14, 3)$	6	2	YES	YES	NO(2)	NO	1165
$(26, 7)$	7	$(18, 5)$	6	2	YES	YES	NO(2)	NO	1166
$(26, 7)$	7	$(19, 7)$	6	1	YES	YES	NO(2)	NO	1167
$(26, 11)$	7	$(23, 10)$	7	1	YES	YES	YES	NO	1168
$(27, 11)$	8	$(9, 2)$	5	9	YES	YES	YES	NO	1169
$(27, 8)$	7	$(19, 7)$	6	1	YES	YES	NO(2)	NO	1170
$(27, 8)$	7	$(19, 7)$	6	1	YES	YES	NO(2)	NO	1171
$(27, 11)$	8	$(19, 8)$	6	1	YES	YES	YES	NO	1172
$(27, 11)$	8	$(19, 8)$	6	1	YES	YES	NO(2)	NO	1173
$(28, 11)$	8	$(12, 5)$	5	4	YES	YES	YES	NO	1174
$(28, 11)$	8	$(17, 3)$	7	1	YES	YES	YES	NO	1175

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(28, 11)	8	(17, 3)	7	1	YES	YES	YES	NO	1176
(29, 11)	7	(13, 5)	5	1	YES	YES	NO(2)	NO	1177
(29, 13)	8	(13, 4)	6	1	YES	YES	YES	NO	1178
(29, 13)	8	(13, 4)	6	1	YES	YES	YES	NO	1179
(29, 7)	10	(18, 7)	6	1	YES	YES	YES	NO	1180
(29, 8)	7	(19, 6)	8	1	YES	YES	NO(2)	NO	1181
(29, 8)	7	(19, 6)	8	1	YES	YES	NO(2)	NO	1182
(29, 9)	8	(19, 6)	8	1	YES	YES	YES	NO	1183
(29, 9)	8	(19, 8)	6	1	YES	YES	YES	NO	1184
(29, 9)	8	(19, 8)	6	1	YES	YES	NO(2)	NO	1185
(29, 12)	7	(27, 8)	7	1	YES	YES	NO(2)	NO	1186
(29, 8)	7	(28, 11)	8	1	YES	YES	YES	NO	1187
(31, 7)	8	(5, 2)	3	1	YES	YES	NO(2)	NO	1188
(31, 11)	8	(7, 2)	4	1	YES	YES	NO(2)	NO	1189
(31, 14)	8	(7, 2)	4	1	YES	YES	YES	NO	1190
(31, 14)	8	(7, 2)	4	1	YES	YES	YES	NO	1191
(31, 14)	8	(10, 3)	5	1	YES	YES	NO(2)	NO	1192
(31, 11)	8	(11, 5)	6	1	YES	YES	NO(2)	NO	1193
(31, 14)	8	(13, 5)	5	1	YES	YES	YES	NO	1194
(31, 14)	8	(16, 5)	7	1	YES	YES	YES	NO	1195
(31, 11)	8	(17, 4)	7	1	YES	YES	YES	NO	1196
(31, 11)	8	(17, 4)	7	1	YES	YES	YES	NO	1197
(31, 14)	8	(27, 11)	8	1	YES	YES	YES	NO	1198
(31, 5)	10	(29, 6)	9	1	YES	YES	YES	NO	1199
(31, 12)	7	(31, 12)	7	31	YES	YES	YES	NO	1200
(32, 13)	9	(13, 2)	7	1	YES	YES	YES	NO	1201
(32, 13)	9	(13, 2)	7	1	YES	YES	YES	NO	1202
(32, 13)	9	(13, 6)	7	1	YES	YES	YES	NO	1203
(32, 7)	8	(20, 7)	8	4	YES	YES	YES	NO	1204
(32, 13)	9	(20, 7)	8	4	YES	YES	YES	NO	1205
(32, 7)	8	(22, 7)	9	2	YES	YES	YES	NO	1206
(32, 13)	9	(22, 5)	7	2	YES	YES	NO(2)	NO	1207
(33, 14)	8	(9, 2)	5	3	YES	YES	YES	NO	1208
(33, 14)	8	(13, 3)	6	1	YES	YES	YES	NO	1209
(33, 10)	8	(15, 4)	6	3	YES	YES	NO(2)	NO	1210
(33, 10)	8	(15, 4)	6	3	YES	YES	NO(2)	NO	1211
(33, 10)	8	(16, 5)	7	1	YES	YES	NO(2)	NO	1212
(33, 10)	8	(16, 5)	7	1	YES	YES	NO(2)	NO	1213
(33, 10)	8	(17, 7)	6	1	YES	YES	NO(2)	NO	1214
(33, 14)	8	(17, 7)	6	1	YES	YES	NO(2)	NO	1215
(33, 14)	8	(17, 7)	6	1	YES	YES	NO(2)	NO	1216
(33, 13)	9	(19, 3)	8	1	YES	YES	YES	NO	1217
(33, 10)	8	(23, 10)	7	1	YES	YES	NO(2)	NO	1218
(34, 9)	8	(5, 2)	3	1	YES	YES	YES	NO	1219
(34, 9)	8	(13, 5)	5	1	YES	YES	YES	NO	1220
(34, 13)	7	(13, 6)	7	1	YES	YES	NO(2)	NO	1221
(34, 15)	8	(18, 5)	6	2	YES	YES	YES	NO	1222
(34, 13)	7	(20, 7)	8	2	YES	YES	NO(2)	NO	1223
(34, 13)	7	(26, 11)	7	2	YES	YES	YES	NO	1224
(35, 11)	9	(7, 3)	4	7	YES	YES	YES	NO	1225
(35, 16)	9	(8, 3)	4	1	YES	YES	YES	NO	1226
(35, 11)	9	(10, 3)	5	5	YES	YES	YES	NO	1227
(35, 11)	9	(10, 3)	5	5	YES	YES	YES	NO	1228

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(35, 16)	9	(11, 4)	5	1	YES	YES	YES	NO	1229
(35, 11)	9	(17, 7)	6	1	YES	YES	NO(2)	NO	1230
(35, 8)	8	(23, 10)	7	1	YES	YES	YES	NO	1231
(36, 13)	8	(11, 4)	5	1	YES	YES	YES	NO	1232
(36, 13)	8	(17, 7)	6	1	YES	YES	NO(2)	NO	1233
(36, 11)	8	(20, 9)	7	4	YES	YES	YES	NO	1234
(36, 13)	8	(23, 5)	7	1	YES	YES	NO(2)	NO	1235
(37, 16)	9	(9, 2)	5	1	YES	YES	YES	NO	1236
(37, 16)	9	(11, 2)	6	1	YES	YES	YES	NO	1237
(37, 11)	8	(13, 6)	7	1	YES	YES	YES	NO	1238
(37, 14)	8	(13, 4)	6	1	YES	YES	YES	NO	1239
(37, 14)	8	(13, 4)	6	1	YES	YES	YES	NO	1240
(37, 8)	8	(20, 7)	8	1	YES	YES	NO(2)	NO	1241
(37, 8)	8	(22, 7)	9	1	YES	YES	NO(2)	NO	1242
(37, 14)	8	(23, 4)	8	1	YES	YES	YES	NO	1243
(37, 11)	8	(31, 12)	7	1	YES	YES	YES	NO	1244
(38, 9)	9	(14, 3)	6	2	YES	YES	NO(2)	NO	1245
(38, 17)	9	(16, 3)	7	2	YES	YES	YES	NO	1246
(38, 7)	9	(22, 7)	9	2	YES	YES	NO(2)	NO	1247
(38, 7)	9	(27, 7)	9	1	YES	YES	NO(2)	NO	1248
(38, 9)	9	(31, 9)	8	1	YES	YES	NO(2)	NO	1249
(39, 14)	8	(7, 2)	4	1	YES	YES	YES	NO	1250
(39, 14)	8	(7, 2)	4	1	YES	YES	YES	NO	1251
(39, 14)	8	(24, 7)	7	3	YES	YES	YES	NO	1252
(39, 14)	8	(25, 7)	7	1	YES	YES	YES	NO	1253
(39, 11)	9	(38, 7)	9	1	YES	YES	YES	NO	1254
(40, 11)	8	(7, 2)	4	1	YES	YES	NO(2)	NO	1255
(40, 11)	8	(9, 4)	5	1	YES	YES	YES	NO	1256
(40, 11)	8	(9, 4)	5	1	YES	YES	YES	NO	1257
(40, 11)	8	(9, 4)	5	1	YES	YES	YES	NO	1258
(40, 11)	8	(13, 6)	7	1	YES	YES	YES	NO	1259
(40, 17)	9	(13, 2)	7	1	YES	YES	YES	NO	1260
(40, 17)	9	(13, 2)	7	1	YES	YES	YES	NO	1261
(40, 17)	9	(13, 5)	5	1	YES	YES	YES	NO	1262
(40, 11)	8	(16, 5)	7	8	YES	YES	YES	NO	1263
(40, 11)	8	(22, 7)	9	2	YES	YES	YES	NO	1264
(40, 9)	9	(39, 7)	9	1	YES	YES	NO(2)	NO	1265
(41, 11)	8	(5, 2)	3	1	YES	YES	NO(2)	NO	1266
(41, 13)	10	(7, 2)	4	1	YES	YES	YES	NO	1267
(41, 13)	10	(7, 2)	4	1	YES	YES	YES	NO	1268
(41, 19)	10	(7, 3)	4	1	YES	YES	NO(2)	NO	1269
(41, 18)	8	(8, 3)	4	1	YES	YES	NO(2)	NO	1270
(41, 9)	9	(11, 2)	6	1	YES	YES	NO(2)	NO	1271
(41, 9)	9	(11, 2)	6	1	YES	YES	NO(2)	NO	1272
(41, 18)	8	(18, 7)	6	1	YES	YES	YES	NO	1273
(41, 17)	8	(23, 7)	7	1	YES	YES	YES	NO	1274
(41, 15)	8	(24, 7)	7	1	YES	YES	YES	NO	1275
(41, 15)	8	(24, 7)	7	1	YES	YES	YES	NO	1276
(41, 18)	8	(25, 7)	7	1	YES	YES	YES	NO	1277
(41, 12)	8	(38, 9)	9	1	YES	YES	NO(2)	NO	1278
(42, 19)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	1279
(42, 19)	9	(16, 3)	7	2	YES	YES	YES	NO	1280
(42, 13)	9	(18, 7)	6	6	YES	YES	NO(2)	NO	1281

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(42, 5)	11	(23, 8)	9	1	YES	YES	YES	NO	1282
(42, 11)	9	(23, 7)	7	1	YES	YES	YES	NO	1283
(43, 15)	10	(7, 3)	4	1	YES	YES	NO(2)	NO	1284
(43, 19)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	1285
(43, 19)	9	(13, 4)	6	1	YES	YES	YES	NO	1286
(43, 16)	9	(25, 9)	7	1	YES	YES	YES	NO	1287
(43, 13)	9	(28, 5)	8	1	YES	YES	NO(2)	NO	1288
(44, 13)	8	(13, 6)	7	1	YES	YES	NO(2)	NO	1289
(44, 13)	8	(19, 5)	7	1	YES	YES	NO(2)	NO	1290
(44, 13)	8	(23, 9)	7	1	YES	YES	YES	NO	1291
(44, 17)	8	(24, 7)	7	4	YES	YES	YES	NO	1292
(45, 14)	9	(5, 2)	3	5	YES	YES	NO(2)	NO	1293
(45, 16)	9	(8, 3)	4	1	YES	YES	YES	NO	1294
(45, 14)	9	(10, 3)	5	5	YES	YES	NO(2)	NO	1295
(45, 17)	9	(10, 3)	5	5	YES	YES	YES	NO	1296
(45, 17)	9	(10, 3)	5	5	YES	YES	YES	NO	1297
(45, 19)	8	(12, 5)	5	3	YES	YES	NO(2)	NO	1298
(45, 19)	8	(24, 7)	7	3	YES	YES	YES	NO	1299
(45, 19)	8	(33, 14)	8	3	YES	YES	YES	NO	1300
(47, 18)	8	(9, 4)	5	1	YES	YES	YES	NO	1301
(47, 18)	8	(9, 4)	5	1	YES	YES	YES	NO	1302
(47, 13)	8	(13, 6)	7	1	YES	YES	NO(2)	NO	1303
(47, 20)	10	(13, 3)	6	1	YES	YES	NO(2)	NO	1304
(47, 13)	8	(17, 6)	7	1	YES	YES	NO(2)	NO	1305
(47, 17)	9	(17, 3)	7	1	YES	YES	NO(2)	NO	1306
(47, 13)	8	(22, 7)	9	1	YES	YES	NO(2)	NO	1307
(47, 13)	8	(23, 9)	7	1	YES	YES	YES	NO	1308
(47, 13)	8	(32, 9)	8	1	YES	YES	NO(2)	NO	1309
(48, 17)	9	(7, 2)	4	1	YES	YES	YES	NO	1310
(48, 11)	9	(11, 3)	5	1	YES	YES	NO(2)	NO	1311
(48, 11)	9	(11, 3)	5	1	YES	YES	NO(2)	NO	1312
(48, 17)	9	(19, 7)	6	1	YES	YES	YES	1512	1313
(48, 17)	9	(20, 7)	8	4	YES	YES	YES	NO	1314
(48, 13)	9	(38, 7)	9	2	YES	YES	YES	NO	1315
(49, 13)	9	(5, 2)	3	1	YES	YES	YES	NO	1316
(49, 13)	9	(5, 2)	3	1	YES	YES	YES	NO	1317
(49, 20)	9	(5, 1)	4	1	YES	YES	YES	NO	1318
(49, 20)	9	(7, 2)	4	7	YES	YES	NO(2)	NO	1319
(49, 9)	10	(11, 5)	6	1	YES	YES	YES	NO	1320
(49, 13)	9	(11, 4)	5	1	YES	YES	YES	NO	1321
(49, 13)	9	(11, 4)	5	1	YES	YES	YES	NO	1322
(49, 18)	8	(23, 8)	9	1	YES	YES	YES	NO	1323
(49, 19)	8	(24, 7)	7	1	YES	YES	YES	NO	1324
(49, 11)	10	(25, 4)	9	1	YES	YES	YES	NO	1325
(49, 18)	8	(25, 7)	7	1	YES	YES	YES	NO	1326
(49, 18)	8	(25, 7)	7	1	YES	YES	YES	NO	1327
(49, 20)	9	(32, 13)	9	1	YES	YES	YES	NO	1328
(50, 13)	10	(13, 5)	5	1	YES	YES	NO(2)	NO	1329
(50, 19)	8	(18, 7)	6	2	YES	YES	YES	NO	1330
(51, 14)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	1331
(51, 23)	9	(7, 3)	4	1	YES	YES	YES	NO	1332
(51, 16)	10	(12, 5)	5	3	YES	YES	YES	NO	1333
(51, 11)	9	(18, 7)	6	3	YES	YES	NO(2)	NO	1334

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(51, 11)	9	(27, 10)	7	3	YES	YES	NO(2)	NO	1335
(52, 19)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	1336
(52, 23)	10	(7, 2)	4	1	YES	YES	YES	NO	1337
(52, 11)	9	(17, 7)	6	1	YES	YES	NO(2)	NO	1338
(52, 11)	9	(17, 7)	6	1	YES	YES	NO(2)	NO	1339
(52, 15)	11	(17, 3)	7	1	YES	YES	NO(2)	NO	1340
(52, 11)	9	(25, 7)	7	1	YES	YES	NO(2)	NO	1341
(52, 11)	9	(25, 7)	7	1	YES	YES	NO(2)	NO	1342
(52, 11)	9	(43, 10)	9	1	YES	YES	NO(2)	NO	1343
(53, 19)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	1344
(53, 14)	9	(5, 2)	3	1	YES	YES	YES	NO	1345
(53, 14)	9	(5, 2)	3	1	YES	YES	YES	NO	1346
(53, 15)	11	(5, 1)	4	1	YES	YES	YES	NO	1347
(53, 15)	11	(5, 1)	4	1	YES	YES	YES	NO	1348
(53, 19)	9	(5, 2)	3	1	YES	YES	YES	NO	1349
(53, 22)	9	(6, 1)	5	1	YES	YES	YES	NO	1350
(53, 12)	9	(7, 3)	4	1	YES	YES	NO(2)	NO	1351
(53, 14)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	1352
(53, 14)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	1353
(53, 14)	9	(7, 3)	4	1	YES	YES	YES	NO	1354
(53, 19)	9	(7, 3)	4	1	YES	YES	NO(2)	NO	1355
(53, 24)	10	(7, 2)	4	1	YES	YES	YES	NO	1356
(53, 11)	10	(9, 4)	5	1	YES	YES	YES	NO	1357
(53, 14)	9	(9, 2)	5	1	YES	YES	YES	NO	1358
(53, 14)	9	(9, 2)	5	1	YES	YES	YES	NO	1359
(53, 14)	9	(10, 3)	5	1	YES	YES	YES	NO	1360
(53, 20)	10	(11, 3)	5	1	YES	YES	YES	NO	1361
(53, 24)	10	(11, 3)	5	1	YES	YES	NO(2)	NO	1362
(53, 14)	9	(12, 5)	5	1	YES	YES	NO(2)	NO	1363
(53, 24)	10	(17, 7)	6	1	YES	YES	NO(2)	NO	1364
(53, 14)	9	(18, 5)	6	1	YES	YES	NO(2)	1583	1365
(53, 24)	10	(19, 8)	6	1	YES	YES	NO(2)	NO	1366
(53, 7)	11	(20, 7)	8	1	YES	YES	YES	NO	1367
(53, 22)	9	(22, 5)	7	1	YES	YES	YES	NO	1368
(53, 14)	9	(23, 5)	7	1	YES	YES	NO(2)	NO	1369
(53, 14)	9	(23, 6)	8	1	YES	YES	YES	NO	1370
(53, 14)	9	(23, 7)	7	1	YES	YES	NO(2)	NO	1371
(53, 22)	9	(23, 5)	7	1	YES	YES	YES	NO	1372
(53, 14)	9	(26, 7)	7	1	YES	YES	YES	NO	1373
(53, 24)	10	(29, 13)	8	1	YES	YES	YES	NO	1374
(53, 15)	11	(39, 11)	9	1	YES	YES	YES	1571	1375
(53, 7)	11	(43, 7)	12	1	YES	YES	YES	NO	1376
(53, 24)	10	(51, 23)	9	1	YES	YES	YES	1658	1377
(54, 17)	10	(9, 4)	5	9	YES	YES	YES	NO	1378
(55, 23)	9	(6, 1)	5	1	YES	YES	YES	NO	1379
(55, 23)	9	(8, 3)	4	1	YES	YES	YES	NO	1380
(55, 23)	9	(8, 3)	4	1	YES	YES	YES	NO	1381
(55, 21)	8	(11, 5)	6	11	YES	YES	NO(2)	NO	1382
(55, 21)	8	(18, 7)	6	1	YES	YES	YES	NO	1383
(55, 16)	9	(21, 5)	8	1	YES	YES	YES	NO	1384
(56, 15)	9	(3, 1)	2	1	YES	YES	YES	NO	1385
(56, 15)	9	(13, 5)	5	1	YES	YES	YES	NO	1386
(56, 15)	9	(18, 7)	6	2	YES	YES	YES	NO	1387

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(56, 15)	9	(18, 7)	6	2	YES	YES	YES	NO	1388
(57, 17)	10	(13, 5)	5	1	YES	YES	YES	NO	1389
(57, 22)	9	(23, 4)	8	1	YES	YES	NO(2)	NO	1390
(57, 17)	10	(29, 9)	8	1	YES	YES	YES	NO	1391
(58, 17)	9	(16, 5)	7	2	YES	YES	NO(2)	NO	1392
(58, 9)	11	(17, 6)	7	1	YES	YES	YES	NO	1393
(58, 17)	9	(22, 7)	9	2	YES	YES	NO(2)	NO	1394
(58, 9)	11	(31, 6)	10	1	YES	YES	YES	NO	1395
(58, 13)	11	(53, 12)	9	1	YES	YES	NO(2)	NO	1396
(59, 24)	10	(4, 1)	3	1	YES	YES	YES	NO	1397
(59, 25)	9	(4, 1)	3	1	YES	YES	YES	NO	1398
(59, 25)	9	(4, 1)	3	1	YES	YES	YES	NO	1399
(59, 25)	9	(5, 2)	3	1	YES	YES	YES	NO	1400
(59, 26)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	1401
(59, 25)	9	(7, 3)	4	1	YES	YES	YES	NO	1402
(59, 24)	10	(9, 4)	5	1	YES	YES	YES	NO	1403
(59, 24)	10	(11, 2)	6	1	YES	YES	YES	NO	1404
(59, 25)	9	(12, 5)	5	1	YES	YES	NO(2)	NO	1405
(59, 26)	9	(12, 5)	5	1	YES	YES	NO(2)	NO	1406
(59, 23)	9	(17, 5)	6	1	YES	YES	YES	NO	1407
(59, 23)	9	(18, 5)	6	1	YES	YES	YES	NO	1408
(59, 24)	10	(19, 8)	6	1	YES	YES	YES	NO	1409
(59, 26)	9	(23, 10)	7	1	YES	YES	NO(2)	NO	1410
(59, 23)	9	(33, 13)	9	1	YES	YES	YES	NO	1411
(59, 25)	9	(40, 17)	9	1	YES	YES	YES	NO	1412
(60, 19)	11	(7, 3)	4	1	YES	YES	YES	NO	1413
(60, 23)	9	(7, 3)	4	1	YES	YES	YES	NO	1414
(60, 23)	9	(7, 3)	4	1	YES	YES	YES	NO	1415
(60, 13)	9	(11, 4)	5	1	YES	YES	YES	NO	1416
(60, 13)	9	(11, 4)	5	1	YES	YES	YES	NO	1417
(60, 23)	9	(12, 5)	5	12	YES	YES	YES	NO	1418
(60, 19)	11	(54, 17)	10	6	YES	YES	YES	NO	1419
(61, 25)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	1420
(61, 25)	9	(4, 1)	3	1	YES	YES	YES	NO	1421
(61, 25)	9	(4, 1)	3	1	YES	YES	YES	NO	1422
(61, 18)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	1423
(61, 25)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	1424
(61, 25)	9	(5, 2)	3	1	YES	YES	YES	NO	1425
(61, 25)	9	(5, 2)	3	1	YES	YES	YES	NO	1426
(61, 22)	9	(9, 4)	5	1	YES	YES	NO(2)	NO	1427
(61, 18)	9	(11, 3)	5	1	YES	YES	NO(2)	NO	1428
(61, 16)	10	(12, 5)	5	1	YES	YES	YES	NO	1429
(61, 16)	10	(13, 5)	5	1	YES	YES	YES	NO	1430
(61, 23)	11	(13, 2)	7	1	YES	YES	NO(2)	NO	1431
(61, 14)	10	(16, 5)	7	1	YES	YES	NO(2)	NO	1432
(61, 17)	9	(19, 5)	7	1	YES	YES	NO(2)	NO	1433
(61, 25)	9	(32, 13)	9	1	YES	YES	YES	NO	1434
(61, 18)	9	(42, 13)	9	1	YES	YES	YES	NO	1435
(63, 26)	9	(13, 6)	7	1	YES	YES	YES	NO	1436
(63, 11)	10	(19, 5)	7	1	YES	YES	YES	NO	1437
(64, 19)	9	(12, 5)	5	4	YES	YES	NO(2)	NO	1438
(64, 15)	10	(18, 7)	6	2	YES	YES	YES	NO	1439
(64, 15)	10	(18, 7)	6	2	YES	YES	YES	NO	1440

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(65, 23)	10	(4, 1)	3	1	YES	YES	NO(2)	NO	1441
(65, 19)	9	(7, 3)	4	1	YES	YES	NO(2)	NO	1442
(65, 23)	10	(8, 3)	4	1	YES	YES	NO(2)	NO	1443
(65, 27)	10	(11, 3)	5	1	YES	YES	YES	NO	1444
(65, 24)	9	(20, 7)	8	5	YES	YES	YES	NO	1445
(66, 25)	9	(61, 23)	11	1	YES	YES	NO(2)	NO	1446
(67, 21)	11	(5, 1)	4	1	YES	YES	YES	NO	1447
(67, 18)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	1448
(67, 18)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	1449
(67, 20)	11	(7, 3)	4	1	YES	YES	YES	NO	1450
(67, 24)	10	(7, 2)	4	1	YES	YES	YES	NO	1451
(67, 26)	9	(9, 4)	5	1	YES	YES	NO(2)	NO	1452
(67, 29)	10	(44, 19)	10	1	YES	YES	YES	NO	1453
(67, 18)	9	(53, 14)	9	1	YES	YES	NO(2)	NO	1454
(68, 19)	9	(7, 3)	4	1	YES	YES	YES	NO	1455
(68, 25)	9	(31, 11)	8	1	YES	YES	NO(2)	NO	1456
(69, 26)	12	(8, 1)	7	1	YES	YES	YES	NO	1457
(69, 19)	9	(9, 4)	5	3	YES	YES	NO(2)	NO	1458
(69, 19)	9	(9, 4)	5	3	YES	YES	NO(2)	NO	1459
(69, 26)	12	(29, 11)	7	1	YES	YES	YES	NO	1460
(70, 29)	9	(17, 5)	6	1	YES	YES	YES	NO	1461
(70, 27)	10	(20, 3)	8	10	YES	YES	NO(2)	NO	1462
(71, 26)	9	(2, 1)	1	1	YES	YES	NO(2)	NO	1463
(71, 15)	10	(3, 1)	2	1	YES	YES	YES	NO	1464
(71, 15)	10	(3, 1)	2	1	YES	YES	YES	NO	1465
(71, 26)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	1466
(71, 13)	12	(7, 3)	4	1	YES	YES	YES	NO	1467
(71, 17)	11	(7, 3)	4	1	YES	YES	YES	NO	1468
(71, 15)	10	(9, 2)	5	1	YES	YES	YES	NO	1469
(71, 27)	9	(12, 5)	5	1	YES	YES	YES	NO	1470
(71, 16)	10	(14, 3)	6	1	YES	YES	NO(2)	NO	1471
(71, 20)	10	(15, 4)	6	1	YES	YES	NO(2)	NO	1472
(71, 19)	10	(16, 5)	7	1	YES	YES	NO(2)	NO	1473
(71, 21)	9	(17, 7)	6	1	YES	YES	YES	NO	1474
(71, 13)	12	(19, 3)	8	1	YES	YES	YES	NO	1475
(71, 27)	9	(45, 17)	9	1	YES	YES	NO(2)	NO	1476
(72, 19)	10	(7, 2)	4	1	YES	YES	NO(2)	NO	1477
(73, 11)	11	(2, 1)	1	1	YES	YES	YES	NO	1478
(73, 27)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	1479
(73, 27)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	1480
(73, 28)	10	(5, 1)	4	1	YES	YES	NO(2)	NO	1481
(73, 11)	11	(6, 1)	5	1	YES	YES	YES	NO	1482
(73, 11)	11	(6, 1)	5	1	YES	YES	YES	NO	1483
(73, 11)	11	(6, 1)	5	1	YES	YES	YES	NO	1484
(73, 19)	11	(8, 3)	4	1	YES	YES	YES	NO	1485
(73, 14)	11	(11, 5)	6	1	YES	YES	YES	NO	1486
(73, 11)	11	(13, 6)	7	1	YES	YES	YES	NO	1487
(73, 31)	10	(13, 3)	6	1	YES	YES	NO(2)	NO	1488
(73, 33)	10	(13, 3)	6	1	YES	YES	NO(2)	NO	1489
(73, 11)	11	(17, 6)	7	1	YES	YES	YES	NO	1490
(73, 19)	11	(17, 5)	6	1	YES	YES	YES	NO	1491
(73, 11)	11	(43, 7)	12	1	YES	YES	YES	NO	1492
(73, 11)	11	(71, 11)	12	1	YES	YES	YES	NO	1493

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(74, 13)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1494
(74, 31)	9	(17, 5)	6	1	YES	YES	YES	NO	1495
(74, 13)	11	(31, 6)	10	1	YES	YES	YES	NO	1496
(74, 29)	10	(33, 13)	9	1	YES	YES	YES	1831	1497
(75, 23)	11	(6, 1)	5	3	YES	YES	NO(2)	NO	1498
(75, 29)	9	(13, 5)	5	1	YES	YES	YES	NO	1499
(75, 17)	10	(25, 7)	7	25	YES	YES	YES	NO	1500
(75, 17)	10	(51, 11)	9	3	YES	YES	NO(2)	NO	1501
(77, 34)	10	(3, 1)	2	1	YES	YES	YES	NO	1502
(77, 34)	10	(5, 2)	3	1	YES	YES	YES	NO	1503
(77, 34)	10	(7, 2)	4	7	YES	YES	NO(2)	NO	1504
(77, 34)	10	(41, 18)	8	1	YES	YES	NO(2)	NO	1505
(79, 28)	10	(4, 1)	3	1	YES	YES	YES	NO	1506
(79, 28)	10	(4, 1)	3	1	YES	YES	NO(2)	NO	1507
(79, 17)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	1508
(79, 30)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	1509
(79, 33)	11	(6, 1)	5	1	YES	YES	YES	NO	1510
(79, 31)	10	(7, 3)	4	1	YES	YES	YES	NO	1511
(79, 28)	10	(8, 3)	4	1	YES	YES	YES	1313	1512
(79, 30)	9	(13, 4)	6	1	YES	YES	YES	NO	1513
(79, 30)	9	(13, 4)	6	1	YES	YES	YES	NO	1514
(79, 23)	10	(14, 3)	6	1	YES	YES	NO(2)	NO	1515
(79, 23)	10	(17, 5)	6	1	YES	YES	YES	NO	1516
(79, 30)	9	(34, 13)	7	1	YES	YES	NO(2)	NO	1517
(79, 30)	9	(41, 16)	8	1	YES	YES	YES	1854	1518
(79, 33)	11	(43, 18)	8	1	YES	YES	YES	NO	1519
(79, 18)	10	(55, 13)	10	1	YES	YES	YES	NO	1520
(79, 14)	11	(63, 11)	10	1	YES	YES	YES	NO	1521
(79, 33)	11	(67, 28)	10	1	YES	YES	YES	NO	1522
(79, 33)	11	(79, 33)	11	79	YES	YES	YES	NO	1523
(80, 19)	11	(5, 1)	4	5	YES	YES	NO(2)	NO	1524
(80, 19)	11	(5, 1)	4	5	YES	YES	NO(2)	NO	1525
(80, 31)	9	(5, 2)	3	5	YES	YES	YES	NO	1526
(80, 33)	10	(7, 2)	4	1	YES	YES	NO(2)	NO	1527
(80, 19)	11	(13, 3)	6	1	YES	YES	NO(2)	NO	1528
(80, 19)	11	(17, 4)	7	1	YES	YES	NO(2)	NO	1529
(81, 35)	11	(4, 1)	3	1	YES	YES	YES	NO	1530
(81, 31)	9	(9, 4)	5	9	YES	YES	NO(2)	NO	1531
(81, 32)	12	(33, 13)	9	3	YES	YES	YES	NO	1532
(81, 35)	11	(44, 19)	10	1	YES	YES	YES	NO	1533
(82, 31)	10	(3, 1)	2	1	YES	YES	YES	NO	1534
(82, 31)	10	(5, 2)	3	1	YES	YES	YES	NO	1535
(82, 31)	10	(7, 3)	4	1	YES	YES	YES	NO	1536
(82, 23)	10	(12, 5)	5	2	YES	YES	YES	NO	1537
(82, 31)	10	(13, 5)	5	1	YES	YES	YES	NO	1538
(82, 31)	10	(82, 31)	10	82	YES	YES	YES	NO	1539
(83, 18)	10	(2, 1)	1	1	YES	YES	YES	NO	1540
(83, 24)	11	(2, 1)	1	1	YES	YES	YES	NO	1541
(83, 18)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1542
(83, 18)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1543
(83, 24)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1544
(83, 36)	10	(4, 1)	3	1	YES	YES	YES	NO	1545
(83, 36)	10	(4, 1)	3	1	YES	YES	YES	NO	1546

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(83, 18)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1547
(83, 18)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1548
(83, 29)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	1549
(83, 24)	11	(10, 3)	5	1	YES	YES	NO(2)	NO	1550
(83, 13)	11	(11, 5)	6	1	YES	YES	NO(2)	NO	1551
(83, 13)	11	(11, 5)	6	1	YES	YES	NO(2)	NO	1552
(83, 29)	12	(11, 4)	5	1	YES	YES	NO(2)	NO	1553
(83, 18)	10	(13, 3)	6	1	YES	YES	NO(2)	NO	1554
(83, 19)	10	(17, 7)	6	1	YES	YES	YES	NO	1555
(83, 18)	10	(52, 11)	9	1	YES	YES	NO(2)	NO	1556
(83, 18)	10	(83, 18)	10	83	YES	YES	NO(2)	NO	1557
(84, 25)	10	(3, 1)	2	3	YES	YES	YES	NO	1558
(84, 25)	10	(3, 1)	2	3	YES	YES	YES	NO	1559
(84, 13)	13	(7, 2)	4	7	YES	YES	YES	NO	1560
(84, 13)	13	(7, 2)	4	7	YES	YES	YES	NO	1561
(84, 13)	13	(7, 3)	4	7	YES	YES	YES	NO	1562
(84, 13)	13	(7, 3)	4	7	YES	YES	YES	NO	1563
(84, 37)	10	(7, 2)	4	7	YES	YES	YES	NO	1564
(84, 25)	10	(23, 7)	7	1	YES	YES	YES	NO	1565
(84, 25)	10	(37, 11)	8	1	YES	YES	NO(2)	NO	1566
(85, 24)	11	(2, 1)	1	1	YES	YES	YES	NO	1567
(85, 24)	11	(2, 1)	1	1	YES	YES	YES	NO	1568
(85, 24)	11	(5, 1)	4	5	YES	YES	YES	NO	1569
(85, 24)	11	(5, 1)	4	5	YES	YES	YES	NO	1570
(85, 24)	11	(7, 2)	4	1	YES	YES	YES	1375	1571
(85, 26)	10	(7, 3)	4	1	YES	YES	NO(2)	NO	1572
(85, 33)	10	(7, 3)	4	1	YES	YES	NO(2)	NO	1573
(85, 38)	11	(7, 2)	4	1	YES	YES	YES	NO	1574
(85, 24)	11	(39, 11)	9	1	YES	YES	NO(2)	NO	1575
(86, 27)	11	(2, 1)	1	2	YES	YES	YES	NO	1576
(86, 27)	11	(3, 1)	2	1	YES	YES	YES	NO	1577
(86, 27)	11	(3, 1)	2	1	YES	YES	YES	NO	1578
(86, 35)	11	(5, 2)	3	1	YES	YES	YES	NO	1579
(87, 23)	10	(4, 1)	3	1	YES	YES	NO(2)	NO	1580
(87, 23)	10	(4, 1)	3	1	YES	YES	NO(2)	NO	1581
(87, 37)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	1582
(87, 23)	10	(7, 2)	4	1	YES	YES	NO(2)	1365	1583
(87, 31)	12	(7, 1)	6	1	YES	YES	NO(2)	2071	1584
(87, 37)	11	(7, 2)	4	1	YES	YES	NO(2)	NO	1585
(87, 23)	10	(9, 4)	5	3	YES	YES	YES	NO	1586
(87, 20)	12	(10, 3)	5	1	YES	YES	NO(2)	NO	1587
(87, 19)	10	(11, 4)	5	1	YES	YES	NO(2)	NO	1588
(87, 23)	10	(11, 3)	5	1	YES	YES	NO(2)	NO	1589
(87, 19)	10	(13, 4)	6	1	YES	YES	NO(2)	NO	1590
(87, 37)	11	(13, 2)	7	1	YES	YES	NO(2)	NO	1591
(87, 32)	10	(17, 6)	7	1	YES	YES	YES	NO	1592
(87, 37)	11	(17, 7)	6	1	YES	YES	NO(2)	NO	1593
(87, 23)	10	(53, 14)	9	1	YES	YES	NO(2)	NO	1594
(87, 31)	12	(59, 21)	10	1	YES	YES	NO(2)	1861	1595
(87, 37)	11	(59, 25)	9	1	YES	YES	NO(2)	NO	1596
(87, 37)	11	(73, 31)	10	1	YES	YES	NO(2)	NO	1597
(89, 28)	11	(3, 1)	2	1	YES	YES	YES	NO	1598
(89, 28)	11	(3, 1)	2	1	YES	YES	YES	NO	1599

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(89, 35)	11	(3, 1)	2	1	YES	YES	YES	NO	1600
(89, 27)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1601
(89, 27)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1602
(89, 34)	9	(5, 2)	3	1	YES	YES	YES	NO	1603
(89, 26)	10	(7, 3)	4	1	YES	YES	YES	NO	1604
(89, 26)	10	(7, 3)	4	1	YES	YES	NO(2)	NO	1605
(89, 20)	11	(11, 4)	5	1	YES	YES	NO(2)	NO	1606
(89, 34)	9	(11, 4)	5	1	YES	YES	YES	NO	1607
(89, 26)	10	(12, 5)	5	1	YES	YES	YES	NO	1608
(89, 20)	11	(15, 4)	6	1	YES	YES	YES	NO	1609
(89, 34)	9	(28, 11)	8	1	YES	YES	YES	NO	1610
(90, 19)	11	(3, 1)	2	3	YES	YES	YES	NO	1611
(90, 19)	11	(3, 1)	2	3	YES	YES	YES	NO	1612
(90, 19)	11	(24, 5)	8	6	YES	YES	YES	NO	1613
(91, 25)	10	(2, 1)	1	1	YES	YES	NO(2)	NO	1614
(91, 25)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1615
(91, 41)	11	(3, 1)	2	1	YES	YES	YES	NO	1616
(91, 24)	11	(4, 1)	3	1	YES	YES	YES	NO	1617
(91, 25)	10	(4, 1)	3	1	YES	YES	YES	NO	1618
(91, 25)	10	(4, 1)	3	1	YES	YES	YES	NO	1619
(91, 25)	10	(4, 1)	3	1	YES	YES	YES	NO	1620
(91, 24)	11	(5, 1)	4	1	YES	YES	YES	NO	1621
(91, 24)	11	(5, 1)	4	1	YES	YES	YES	NO	1622
(91, 24)	11	(7, 2)	4	7	YES	YES	NO(2)	NO	1623
(91, 24)	11	(9, 2)	5	1	YES	YES	YES	NO	1624
(91, 27)	10	(9, 4)	5	1	YES	YES	NO(2)	NO	1625
(91, 24)	11	(13, 4)	6	13	YES	YES	YES	NO	1626
(91, 24)	11	(14, 3)	6	7	YES	YES	NO(2)	NO	1627
(91, 25)	10	(40, 11)	8	1	YES	YES	NO(2)	NO	1628
(91, 25)	10	(51, 14)	9	1	YES	YES	NO(2)	NO	1629
(91, 24)	11	(72, 19)	10	1	YES	YES	YES	NO	1630
(91, 24)	11	(87, 23)	10	1	YES	YES	NO(2)	1988	1631
(92, 33)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1632
(92, 39)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1633
(92, 33)	10	(36, 13)	8	4	YES	YES	NO(2)	NO	1634
(92, 33)	10	(64, 23)	9	4	YES	YES	NO(2)	NO	1635
(93, 34)	10	(3, 1)	2	3	YES	YES	NO(2)	NO	1636
(93, 26)	10	(4, 1)	3	1	YES	YES	YES	NO	1637
(93, 26)	10	(4, 1)	3	1	YES	YES	YES	NO	1638
(93, 26)	10	(4, 1)	3	1	YES	YES	YES	NO	1639
(93, 29)	12	(7, 2)	4	1	YES	YES	YES	NO	1640
(93, 22)	11	(9, 4)	5	3	YES	YES	YES	NO	1641
(93, 22)	11	(9, 4)	5	3	YES	YES	YES	NO	1642
(93, 26)	10	(9, 4)	5	3	YES	YES	NO(2)	NO	1643
(93, 29)	12	(10, 3)	5	1	YES	YES	YES	NO	1644
(93, 34)	10	(10, 3)	5	1	YES	YES	YES	NO	1645
(93, 34)	10	(52, 19)	9	1	YES	YES	NO(2)	NO	1646
(93, 34)	10	(79, 29)	9	1	YES	YES	YES	NO	1647
(94, 43)	11	(3, 1)	2	1	YES	YES	YES	NO	1648
(94, 43)	11	(3, 1)	2	1	YES	YES	YES	NO	1649
(95, 44)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	1650
(95, 42)	11	(3, 1)	2	1	YES	YES	YES	NO	1651
(95, 42)	11	(4, 1)	3	1	YES	YES	YES	NO	1652

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(95, 43)	11	(4, 1)	3	1	YES	YES	YES	NO	1653
(95, 42)	11	(5, 2)	3	5	YES	YES	YES	NO	1654
(95, 42)	11	(5, 2)	3	5	YES	YES	NO(2)	NO	1655
(95, 36)	10	(11, 4)	5	1	YES	YES	YES	NO	1656
(95, 36)	10	(18, 7)	6	1	YES	YES	NO(2)	NO	1657
(95, 43)	11	(20, 9)	7	5	YES	YES	YES	1377	1658
(95, 43)	11	(42, 19)	9	1	YES	YES	YES	NO	1659
(95, 42)	11	(52, 23)	10	1	YES	YES	YES	NO	1660
(95, 43)	11	(95, 43)	11	95	YES	YES	YES	NO	1661
(96, 17)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	1662
(96, 17)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	1663
(96, 17)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	1664
(96, 17)	12	(13, 2)	7	1	YES	YES	YES	NO	1665
(97, 18)	11	(2, 1)	1	1	YES	YES	NO(2)	NO	1666
(97, 21)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1667
(97, 21)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1668
(97, 26)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1669
(97, 28)	12	(7, 2)	4	1	YES	YES	NO(2)	NO	1670
(97, 21)	10	(14, 3)	6	1	YES	YES	NO(2)	NO	1671
(97, 30)	11	(36, 11)	8	1	YES	YES	YES	NO	1672
(97, 28)	12	(69, 20)	10	1	YES	YES	NO(2)	NO	1673
(98, 15)	14	(2, 1)	1	2	YES	YES	YES	NO	1674
(98, 15)	14	(2, 1)	1	2	YES	YES	YES	NO	1675
(98, 37)	11	(7, 2)	4	7	YES	YES	NO(2)	NO	1676
(98, 43)	10	(7, 2)	4	7	YES	YES	YES	NO	1677
(98, 43)	10	(8, 3)	4	2	YES	YES	YES	NO	1678
(98, 27)	10	(9, 4)	5	1	YES	YES	YES	NO	1679
(98, 31)	13	(16, 5)	7	2	YES	YES	YES	NO	1680
(98, 27)	10	(39, 11)	9	1	YES	YES	YES	NO	1681
(98, 37)	11	(66, 25)	9	2	YES	YES	NO(2)	NO	1682
(98, 43)	10	(66, 29)	9	2	YES	YES	YES	NO	1683
(99, 38)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	1684
(99, 38)	12	(7, 1)	6	1	YES	YES	NO(2)	NO	1685
(99, 38)	12	(47, 18)	8	1	YES	YES	NO(2)	NO	1686
(99, 38)	12	(73, 28)	10	1	YES	YES	NO(2)	1968	1687
(100, 29)	11	(4, 1)	3	4	YES	YES	YES	NO	1688
(100, 29)	11	(4, 1)	3	4	YES	YES	YES	NO	1689
(100, 29)	11	(4, 1)	3	4	YES	YES	YES	NO	1690
(100, 37)	10	(7, 3)	4	1	YES	YES	YES	NO	1691
(100, 37)	10	(13, 5)	5	1	YES	YES	YES	NO	1692
(100, 27)	10	(25, 7)	7	25	YES	YES	NO(2)	NO	1693
(100, 29)	11	(52, 15)	11	4	YES	YES	NO(2)	NO	1694
(100, 41)	10	(83, 34)	10	1	YES	YES	NO(2)	NO	1695
(101, 24)	12	(3, 1)	2	1	YES	YES	YES	NO	1696
(101, 16)	13	(7, 2)	4	1	YES	YES	NO(2)	NO	1697
(101, 41)	12	(12, 5)	5	1	YES	YES	YES	NO	1698
(101, 30)	10	(23, 7)	7	1	YES	YES	NO(2)	NO	1699
(103, 32)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1700
(103, 32)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1701
(103, 47)	12	(4, 1)	3	1	YES	YES	YES	NO	1702
(103, 40)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	1703
(103, 37)	10	(7, 3)	4	1	YES	YES	NO(2)	NO	1704
(103, 39)	10	(7, 2)	4	1	YES	YES	NO(2)	NO	1705

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(103, 29)	11	(17, 5)	6	1	YES	YES	YES	NO	1706
(103, 39)	10	(34, 13)	7	1	YES	YES	NO(2)	2010	1707
(103, 40)	11	(44, 17)	8	1	YES	YES	NO(2)	NO	1708
(103, 47)	12	(103, 47)	12	103	YES	YES	YES	NO	1709
(104, 27)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	1710
(104, 41)	12	(3, 1)	2	1	YES	YES	YES	NO	1711
(104, 47)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1712
(104, 45)	11	(5, 2)	3	1	YES	YES	YES	NO	1713
(104, 31)	11	(7, 2)	4	1	YES	YES	NO(2)	NO	1714
(104, 45)	11	(11, 5)	6	1	YES	YES	YES	NO	1715
(104, 47)	11	(11, 5)	6	1	YES	YES	YES	NO	1716
(104, 47)	11	(42, 19)	9	2	YES	YES	YES	1791	1717
(105, 41)	10	(3, 1)	2	3	YES	YES	YES	NO	1718
(105, 38)	11	(5, 2)	3	5	YES	YES	NO(2)	NO	1719
(105, 46)	12	(5, 1)	4	5	YES	YES	YES	NO	1720
(105, 46)	12	(5, 1)	4	5	YES	YES	NO(2)	NO	1721
(105, 31)	10	(13, 4)	6	1	YES	YES	YES	NO	1722
(105, 41)	10	(28, 11)	8	7	YES	YES	NO(2)	NO	1723
(105, 46)	12	(73, 32)	10	1	YES	YES	YES	1982	1724
(106, 37)	12	(2, 1)	1	2	YES	YES	NO(2)	NO	1725
(106, 45)	11	(5, 2)	3	1	YES	YES	YES	NO	1726
(106, 41)	10	(10, 3)	5	2	YES	YES	YES	NO	1727
(106, 41)	10	(10, 3)	5	2	YES	YES	YES	NO	1728
(106, 41)	10	(11, 3)	5	1	YES	YES	YES	NO	1729
(106, 37)	12	(23, 8)	9	1	YES	YES	YES	NO	1730
(107, 25)	11	(4, 1)	3	1	YES	YES	YES	NO	1731
(107, 25)	11	(4, 1)	3	1	YES	YES	YES	NO	1732
(107, 47)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1733
(107, 41)	10	(8, 3)	4	1	YES	YES	YES	NO	1734
(107, 41)	10	(11, 3)	5	1	YES	YES	YES	NO	1735
(107, 20)	13	(13, 3)	6	1	YES	YES	NO(2)	NO	1736
(107, 47)	10	(23, 10)	7	1	YES	YES	YES	NO	1737
(107, 41)	10	(50, 19)	8	1	YES	YES	YES	NO	1738
(107, 47)	10	(57, 25)	9	1	YES	YES	YES	NO	1739
(107, 41)	10	(76, 29)	9	1	YES	YES	YES	1859	1740
(108, 41)	10	(4, 1)	3	4	YES	YES	YES	NO	1741
(108, 41)	10	(5, 2)	3	1	YES	YES	YES	NO	1742
(109, 30)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	1743
(109, 45)	10	(3, 1)	2	1	YES	YES	YES	NO	1744
(109, 45)	10	(7, 3)	4	1	YES	YES	YES	NO	1745
(109, 46)	10	(10, 3)	5	1	YES	YES	YES	NO	1746
(109, 30)	10	(13, 4)	6	1	YES	YES	NO(2)	NO	1747
(109, 50)	12	(24, 11)	8	1	YES	YES	YES	NO	1748
(109, 45)	10	(26, 11)	7	1	YES	YES	YES	NO	1749
(109, 46)	10	(59, 25)	9	1	YES	YES	YES	NO	1750
(109, 50)	12	(109, 50)	12	109	YES	YES	YES	NO	1751
(110, 29)	12	(4, 1)	3	2	YES	YES	YES	NO	1752
(110, 43)	11	(6, 1)	5	2	YES	YES	YES	NO	1753
(110, 29)	12	(91, 24)	11	1	YES	YES	YES	NO	1754
(110, 43)	11	(110, 43)	11	110	YES	YES	YES	NO	1755
(111, 34)	11	(3, 1)	2	3	NO	YES	YES	NO	1756
(111, 46)	10	(3, 1)	2	3	YES	YES	YES	NO	1757
(111, 46)	10	(3, 1)	2	3	YES	YES	YES	NO	1758

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(111, 32)	13	(4, 1)	3	1	YES	YES	YES	NO	1759
(111, 46)	10	(4, 1)	3	1	YES	YES	NO(2)	NO	1760
(111, 29)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	1761
(111, 29)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	1762
(111, 46)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1763
(111, 29)	12	(10, 3)	5	1	YES	YES	NO(2)	NO	1764
(111, 29)	12	(11, 2)	6	1	YES	YES	NO(2)	NO	1765
(111, 29)	12	(34, 9)	8	1	YES	YES	NO(2)	NO	1766
(112, 41)	10	(3, 1)	2	1	YES	YES	YES	NO	1767
(112, 41)	10	(19, 7)	6	1	YES	YES	YES	1849	1768
(113, 32)	13	(2, 1)	1	1	YES	YES	YES	NO	1769
(113, 32)	13	(2, 1)	1	1	YES	YES	YES	NO	1770
(113, 35)	11	(2, 1)	1	1	YES	YES	NO(2)	NO	1771
(113, 42)	11	(2, 1)	1	1	YES	YES	YES	NO	1772
(113, 35)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1773
(113, 35)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1774
(113, 48)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1775
(113, 48)	11	(4, 1)	3	1	YES	YES	NO(2)	NO	1776
(113, 24)	11	(5, 1)	4	1	YES	YES	NO(2)	NO	1777
(113, 24)	11	(5, 1)	4	1	YES	YES	NO(2)	NO	1778
(113, 42)	11	(13, 5)	5	1	YES	YES	YES	NO	1779
(113, 35)	11	(16, 5)	7	1	YES	YES	NO(2)	1806	1780
(113, 30)	11	(53, 14)	9	1	YES	YES	NO(2)	NO	1781
(113, 32)	13	(53, 15)	11	1	YES	YES	YES	NO	1782
(113, 48)	11	(73, 31)	10	1	YES	YES	NO(2)	NO	1783
(113, 48)	11	(113, 48)	11	113	YES	YES	NO(2)	NO	1784
(114, 53)	12	(2, 1)	1	2	YES	YES	YES	NO	1785
(115, 18)	12	(6, 1)	5	1	NO	YES	YES	NO	1786
(115, 44)	10	(8, 3)	4	1	YES	YES	YES	NO	1787
(115, 52)	11	(9, 4)	5	1	YES	YES	YES	NO	1788
(115, 26)	11	(11, 4)	5	1	YES	YES	YES	NO	1789
(115, 44)	10	(11, 4)	5	1	YES	YES	NO(2)	NO	1790
(115, 52)	11	(31, 14)	8	1	YES	YES	YES	1717	1791
(116, 51)	11	(3, 1)	2	1	YES	YES	YES	NO	1792
(116, 51)	11	(3, 1)	2	1	YES	YES	YES	NO	1793
(116, 45)	10	(8, 3)	4	4	YES	YES	YES	NO	1794
(117, 31)	11	(10, 3)	5	1	YES	YES	YES	NO	1795
(117, 31)	11	(25, 7)	7	1	YES	YES	YES	NO	1796
(117, 43)	10	(109, 40)	10	1	YES	YES	YES	NO	1797
(118, 49)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	1798
(118, 49)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	1799
(119, 37)	11	(2, 1)	1	1	YES	YES	NO(2)	NO	1800
(119, 37)	11	(2, 1)	1	1	YES	YES	NO(2)	NO	1801
(119, 46)	10	(4, 1)	3	1	YES	YES	YES	NO	1802
(119, 46)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	1803
(119, 45)	11	(8, 3)	4	1	YES	YES	YES	NO	1804
(119, 46)	10	(8, 3)	4	1	YES	YES	YES	NO	1805
(119, 37)	11	(13, 4)	6	1	YES	YES	NO(2)	1780	1806
(119, 46)	10	(13, 3)	6	1	YES	YES	YES	NO	1807
(119, 45)	11	(82, 31)	10	1	YES	YES	NO(2)	NO	1808
(120, 43)	11	(2, 1)	1	2	YES	YES	NO(2)	NO	1809
(120, 43)	11	(3, 1)	2	3	YES	YES	YES	NO	1810
(120, 53)	11	(5, 2)	3	5	YES	YES	NO(2)	NO	1811

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(120, 49)	11	(9, 4)	5	3	YES	YES	YES	NO	1812
(121, 35)	12	(2, 1)	1	1	YES	YES	YES	NO	1813
(121, 35)	12	(4, 1)	3	1	YES	YES	NO(2)	NO	1814
(121, 46)	10	(7, 3)	4	1	YES	YES	YES	NO	1815
(121, 46)	10	(8, 3)	4	1	YES	YES	YES	NO	1816
(121, 36)	11	(10, 3)	5	1	YES	YES	YES	NO	1817
(121, 32)	11	(19, 5)	7	1	YES	YES	YES	NO	1818
(121, 36)	11	(71, 21)	9	1	YES	YES	YES	NO	1819
(122, 51)	11	(2, 1)	1	2	YES	YES	YES	NO	1820
(122, 37)	11	(8, 3)	4	2	YES	YES	YES	NO	1821
(122, 37)	11	(18, 5)	6	2	YES	YES	YES	NO	1822
(123, 47)	10	(18, 7)	6	3	YES	YES	NO(2)	NO	1823
(124, 57)	12	(2, 1)	1	2	YES	YES	YES	NO	1824
(124, 37)	12	(3, 1)	2	1	YES	YES	YES	NO	1825
(124, 57)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	1826
(124, 37)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	1827
(124, 57)	12	(24, 11)	8	4	YES	YES	YES	NO	1828
(125, 44)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	1829
(125, 49)	11	(4, 1)	3	1	YES	YES	NO(2)	NO	1830
(125, 49)	11	(5, 2)	3	5	YES	YES	YES	1497	1831
(125, 26)	13	(6, 1)	5	1	YES	YES	YES	NO	1832
(125, 37)	11	(8, 3)	4	1	YES	YES	YES	NO	1833
(125, 49)	11	(8, 3)	4	1	YES	YES	NO(2)	NO	1834
(125, 27)	11	(9, 4)	5	1	YES	YES	YES	NO	1835
(125, 33)	11	(9, 2)	5	1	YES	YES	YES	NO	1836
(125, 37)	11	(14, 3)	6	1	YES	YES	YES	NO	1837
(125, 26)	13	(29, 6)	9	1	YES	YES	YES	NO	1838
(125, 33)	11	(91, 24)	11	1	YES	YES	YES	NO	1839
(125, 37)	11	(105, 31)	10	5	YES	YES	YES	2276	1840
(126, 55)	11	(2, 1)	1	2	YES	YES	YES	NO	1841
(127, 54)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	1842
(127, 54)	12	(3, 1)	2	1	YES	YES	YES	NO	1843
(127, 56)	11	(5, 2)	3	1	YES	YES	YES	NO	1844
(127, 54)	12	(33, 14)	8	1	YES	YES	NO(2)	NO	1845
(127, 56)	11	(41, 18)	8	1	YES	YES	YES	2140	1846
(128, 37)	12	(2, 1)	1	2	YES	YES	YES	NO	1847
(128, 47)	10	(8, 3)	4	8	YES	YES	YES	NO	1848
(128, 47)	10	(11, 4)	5	1	YES	YES	YES	1768	1849
(128, 47)	10	(18, 7)	6	2	YES	YES	YES	NO	1850
(128, 45)	12	(20, 7)	8	4	YES	YES	YES	NO	1851
(129, 49)	10	(2, 1)	1	1	YES	YES	NO(2)	NO	1852
(129, 59)	12	(13, 6)	7	1	YES	YES	YES	NO	1853
(129, 49)	10	(23, 9)	7	1	YES	YES	YES	1518	1854
(130, 23)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	1855
(130, 51)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1856
(131, 50)	10	(7, 3)	4	1	YES	YES	YES	NO	1857
(131, 50)	10	(13, 3)	6	1	YES	YES	YES	NO	1858
(131, 50)	10	(60, 23)	9	1	YES	YES	YES	1740	1859
(132, 59)	12	(5, 2)	3	1	YES	YES	YES	NO	1860
(132, 47)	12	(14, 5)	6	2	YES	YES	NO(2)	1595	1861
(132, 59)	12	(20, 9)	7	4	YES	YES	YES	NO	1862
(132, 59)	12	(85, 38)	11	1	YES	YES	YES	NO	1863
(132, 59)	12	(132, 59)	12	132	YES	YES	YES	NO	1864

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(134, 39)	11	(2, 1)	1	2	YES	YES	NO(2)	NO	1865
(134, 39)	11	(4, 1)	3	2	YES	YES	NO(2)	NO	1866
(134, 39)	11	(4, 1)	3	2	YES	YES	NO(2)	NO	1867
(134, 39)	11	(8, 3)	4	2	YES	YES	YES	NO	1868
(134, 49)	11	(52, 19)	9	2	YES	YES	YES	1912	1869
(135, 26)	14	(4, 1)	3	1	YES	YES	YES	NO	1870
(135, 32)	12	(4, 1)	3	1	NO	YES	YES	NO	1871
(135, 32)	12	(38, 9)	9	1	YES	YES	NO(2)	NO	1872
(137, 43)	12	(3, 1)	2	1	NO	YES	NO(2)	NO	1873
(137, 43)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	1874
(137, 51)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	1875
(137, 63)	12	(24, 11)	8	1	YES	YES	NO(2)	1969	1876
(138, 49)	12	(3, 1)	2	3	YES	YES	YES	NO	1877
(138, 61)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	1878
(138, 61)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	1879
(138, 61)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	1880
(138, 31)	12	(7, 3)	4	1	YES	YES	NO(2)	NO	1881
(138, 61)	12	(25, 11)	7	1	YES	YES	NO(2)	NO	1882
(138, 61)	12	(95, 42)	11	1	YES	YES	NO(2)	NO	1883
(138, 61)	12	(138, 61)	12	138	YES	YES	NO(2)	NO	1884
(139, 39)	11	(2, 1)	1	1	YES	YES	YES	NO	1885
(139, 61)	11	(2, 1)	1	1	YES	YES	NO(2)	NO	1886
(139, 61)	11	(5, 2)	3	1	YES	YES	YES	NO	1887
(139, 61)	11	(12, 5)	5	1	YES	YES	YES	NO	1888
(140, 61)	11	(16, 7)	6	4	YES	YES	NO(2)	NO	1889
(142, 59)	12	(6, 1)	5	2	YES	YES	NO(2)	NO	1890
(142, 59)	12	(7, 1)	6	1	YES	YES	YES	NO	1891
(142, 59)	12	(29, 12)	7	1	YES	YES	NO(2)	NO	1892
(143, 54)	12	(3, 1)	2	1	YES	YES	YES	NO	1893
(143, 59)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1894
(143, 54)	12	(8, 3)	4	1	YES	YES	YES	NO	1895
(143, 40)	12	(29, 8)	7	1	YES	YES	YES	NO	1896
(143, 63)	11	(84, 37)	10	1	YES	YES	YES	NO	1897
(143, 59)	11	(143, 59)	11	143	YES	YES	NO(2)	NO	1898
(144, 61)	11	(2, 1)	1	2	YES	YES	YES	NO	1899
(144, 43)	13	(3, 1)	2	3	YES	YES	NO(2)	NO	1900
(144, 59)	11	(3, 1)	2	3	YES	YES	NO(2)	NO	1901
(144, 61)	11	(3, 1)	2	3	YES	YES	YES	NO	1902
(144, 55)	10	(23, 9)	7	1	YES	YES	YES	NO	1903
(144, 59)	11	(144, 59)	11	144	YES	YES	NO(2)	NO	1904
(144, 65)	12	(144, 65)	12	144	YES	YES	YES	NO	1905
(145, 41)	13	(2, 1)	1	1	YES	YES	YES	NO	1906
(145, 53)	11	(2, 1)	1	1	YES	YES	YES	NO	1907
(145, 41)	13	(3, 1)	2	1	YES	YES	YES	NO	1908
(145, 53)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1909
(145, 53)	11	(5, 2)	3	5	YES	YES	NO(2)	NO	1910
(145, 51)	12	(20, 7)	8	5	YES	YES	NO(2)	1938	1911
(145, 53)	11	(41, 15)	8	1	YES	YES	YES	1869	1912
(145, 41)	13	(145, 41)	13	145	YES	YES	NO(2)	NO	1913
(146, 61)	12	(67, 28)	10	1	YES	YES	YES	NO	1914
(147, 26)	15	(2, 1)	1	1	YES	YES	YES	NO	1915
(147, 26)	15	(2, 1)	1	1	YES	YES	YES	NO	1916
(147, 26)	15	(11, 2)	6	1	YES	YES	YES	NO	1917

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(148, 65)	11	(4, 1)	3	4	YES	YES	YES	NO	1918
(148, 31)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	1919
(148, 31)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	1920
(149, 42)	12	(2, 1)	1	1	YES	YES	YES	NO	1921
(149, 41)	11	(3, 1)	2	1	NO	YES	YES	NO	1922
(149, 46)	13	(4, 1)	3	1	YES	YES	YES	NO	1923
(149, 46)	13	(5, 1)	4	1	YES	YES	YES	NO	1924
(149, 40)	11	(7, 3)	4	1	YES	YES	YES	NO	1925
(149, 40)	11	(7, 3)	4	1	YES	YES	YES	NO	1926
(149, 41)	11	(7, 3)	4	1	YES	YES	YES	NO	1927
(149, 44)	11	(7, 3)	4	1	YES	YES	YES	NO	1928
(149, 41)	11	(13, 4)	6	1	YES	YES	YES	NO	1929
(149, 42)	12	(18, 5)	6	1	YES	YES	NO(2)	NO	1930
(149, 46)	13	(55, 17)	10	1	YES	YES	YES	NO	1931
(149, 65)	11	(55, 24)	9	1	YES	YES	NO(2)	NO	1932
(149, 44)	11	(64, 19)	9	1	YES	YES	YES	NO	1933
(151, 53)	12	(2, 1)	1	1	YES	YES	YES	NO	1934
(151, 47)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	1935
(151, 47)	12	(7, 2)	4	1	YES	YES	YES	NO	1936
(151, 47)	12	(10, 3)	5	1	YES	YES	YES	NO	1937
(151, 53)	12	(17, 6)	7	1	YES	YES	NO(2)	1911	1938
(152, 63)	11	(2, 1)	1	2	YES	YES	NO(2)	NO	1939
(152, 63)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1940
(152, 63)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1941
(152, 67)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	1942
(152, 55)	12	(5, 2)	3	1	YES	YES	YES	NO	1943
(152, 41)	11	(7, 3)	4	1	YES	YES	YES	NO	1944
(152, 63)	11	(7, 3)	4	1	YES	YES	NO(2)	NO	1945
(152, 67)	11	(16, 7)	6	8	YES	YES	NO(2)	NO	1946
(152, 67)	11	(152, 67)	11	152	YES	YES	YES	NO	1947
(153, 64)	11	(2, 1)	1	1	YES	YES	NO(2)	NO	1948
(153, 64)	11	(12, 5)	5	3	YES	YES	NO(2)	NO	1949
(153, 70)	12	(13, 6)	7	1	YES	YES	NO(2)	NO	1950
(153, 56)	11	(27, 10)	7	9	YES	YES	NO(2)	NO	1951
(154, 59)	11	(5, 2)	3	1	YES	YES	YES	NO	1952
(154, 65)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	1953
(154, 59)	11	(7, 2)	4	7	YES	YES	YES	NO	1954
(154, 59)	11	(29, 11)	7	1	YES	YES	YES	NO	1955
(155, 41)	12	(9, 2)	5	1	YES	YES	NO(2)	NO	1956
(155, 64)	11	(9, 4)	5	1	YES	YES	YES	NO	1957
(156, 25)	15	(4, 1)	3	4	YES	YES	YES	NO	1958
(157, 42)	12	(4, 1)	3	1	YES	YES	YES	NO	1959
(158, 61)	11	(9, 2)	5	1	YES	YES	YES	NO	1960
(159, 61)	12	(2, 1)	1	1	NO	YES	YES	NO	1961
(159, 61)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	1962
(159, 59)	11	(3, 1)	2	3	YES	YES	NO(2)	NO	1963
(159, 59)	11	(4, 1)	3	1	YES	YES	NO(2)	NO	1964
(159, 61)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	1965
(159, 47)	11	(7, 3)	4	1	YES	YES	YES	NO	1966
(159, 62)	11	(9, 2)	5	3	YES	YES	YES	NO	1967
(159, 61)	12	(13, 5)	5	1	YES	YES	NO(2)	1687	1968
(159, 73)	12	(13, 6)	7	1	YES	YES	NO(2)	1876	1969
(159, 59)	11	(19, 7)	6	1	YES	YES	NO(2)	NO	1970

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(159, 37)	12	(64, 15)	10	1	YES	YES	YES	NO	1971
(159, 59)	11	(97, 36)	10	1	YES	YES	NO(2)	NO	1972
(161, 51)	13	(2, 1)	1	1	YES	YES	YES	NO	1973
(161, 48)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	1974
(161, 66)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	1975
(162, 71)	12	(5, 1)	4	1	YES	YES	YES	NO	1976
(162, 71)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	1977
(162, 73)	12	(5, 1)	4	1	YES	YES	YES	NO	1978
(162, 73)	12	(5, 1)	4	1	YES	YES	YES	NO	1979
(162, 73)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	1980
(162, 37)	12	(8, 3)	4	2	YES	YES	YES	NO	1981
(162, 71)	12	(16, 7)	6	2	YES	YES	YES	1724	1982
(163, 43)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	1983
(163, 43)	12	(4, 1)	3	1	YES	YES	NO(2)	NO	1984
(163, 63)	11	(5, 2)	3	1	YES	YES	YES	NO	1985
(163, 71)	11	(7, 3)	4	1	YES	YES	NO(2)	NO	1986
(163, 43)	12	(11, 3)	5	1	YES	YES	NO(2)	NO	1987
(163, 43)	12	(34, 9)	8	1	YES	YES	NO(2)	1631	1988
(163, 43)	12	(53, 14)	9	1	YES	YES	NO(2)	NO	1989
(163, 43)	12	(91, 24)	11	1	YES	YES	NO(2)	NO	1990
(163, 63)	11	(106, 41)	10	1	YES	YES	YES	2220	1991
(163, 44)	11	(152, 41)	11	1	YES	YES	YES	NO	1992
(165, 64)	11	(5, 2)	3	5	YES	YES	YES	NO	1993
(166, 63)	12	(50, 19)	8	2	YES	YES	YES	NO	1994
(167, 64)	11	(5, 1)	4	1	YES	YES	NO(2)	NO	1995
(167, 69)	11	(5, 2)	3	1	YES	YES	YES	NO	1996
(167, 64)	11	(60, 23)	9	1	YES	YES	NO(2)	NO	1997
(168, 65)	12	(6, 1)	5	6	YES	YES	NO(2)	NO	1998
(168, 65)	12	(75, 29)	9	3	YES	YES	NO(2)	NO	1999
(169, 62)	12	(2, 1)	1	1	YES	YES	YES	NO	2000
(169, 66)	11	(2, 1)	1	1	YES	YES	NO(2)	NO	2001
(169, 64)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	2002
(169, 64)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	2003
(169, 38)	13	(5, 1)	4	1	YES	YES	YES	NO	2004
(169, 64)	11	(5, 1)	4	1	YES	YES	NO(2)	NO	2005
(169, 66)	11	(5, 1)	4	1	YES	YES	NO(2)	NO	2006
(169, 71)	11	(5, 2)	3	1	YES	YES	YES	NO	2007
(169, 38)	13	(7, 2)	4	1	YES	YES	NO(2)	NO	2008
(169, 70)	11	(7, 2)	4	1	YES	YES	YES	NO	2009
(169, 64)	11	(13, 5)	5	13	YES	YES	NO(2)	1707	2010
(169, 38)	13	(49, 11)	10	1	YES	YES	YES	NO	2011
(169, 70)	11	(53, 22)	9	1	YES	YES	YES	NO	2012
(170, 29)	15	(2, 1)	1	2	YES	YES	NO(2)	NO	2013
(170, 29)	15	(2, 1)	1	2	YES	YES	NO(2)	NO	2014
(171, 53)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	2015
(171, 71)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	2016
(171, 71)	12	(3, 1)	2	3	YES	YES	YES	NO	2017
(171, 65)	11	(5, 2)	3	1	YES	YES	YES	NO	2018
(171, 71)	12	(5, 2)	3	1	YES	YES	YES	NO	2019
(171, 71)	12	(12, 5)	5	3	YES	YES	YES	NO	2020
(171, 65)	11	(18, 7)	6	9	YES	YES	YES	NO	2021
(171, 71)	12	(118, 49)	11	1	YES	YES	NO(2)	NO	2022
(172, 71)	11	(17, 7)	6	1	YES	YES	NO(2)	NO	2023

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(173, 51)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	2024
(173, 73)	11	(2, 1)	1	1	YES	YES	YES	NO	2025
(173, 78)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	2026
(173, 78)	12	(2, 1)	1	1	NO	YES	NO(2)	NO	2027
(173, 64)	11	(5, 2)	3	1	YES	YES	YES	NO	2028
(173, 51)	12	(78, 23)	10	1	YES	YES	NO(2)	NO	2029
(175, 62)	12	(2, 1)	1	1	YES	YES	YES	NO	2030
(175, 62)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	2031
(175, 62)	12	(5, 2)	3	5	YES	YES	NO(2)	NO	2032
(175, 67)	11	(5, 2)	3	5	YES	YES	YES	NO	2033
(175, 62)	12	(17, 6)	7	1	YES	YES	YES	NO	2034
(175, 67)	11	(18, 7)	6	1	YES	YES	YES	NO	2035
(175, 67)	11	(55, 21)	8	5	YES	YES	YES	2260	2036
(176, 65)	11	(3, 1)	2	1	YES	YES	NO(2)	NO	2037
(176, 65)	11	(11, 4)	5	11	YES	YES	NO(2)	NO	2038
(177, 47)	12	(4, 1)	3	1	YES	YES	YES	NO	2039
(177, 80)	12	(4, 1)	3	1	YES	YES	NO(2)	NO	2040
(177, 47)	12	(5, 1)	4	1	YES	YES	YES	NO	2041
(177, 74)	12	(12, 5)	5	3	YES	YES	YES	NO	2042
(177, 46)	13	(27, 7)	9	3	YES	YES	NO(2)	NO	2043
(178, 47)	12	(2, 1)	1	2	YES	YES	NO(2)	NO	2044
(178, 69)	11	(5, 2)	3	1	YES	YES	YES	NO	2045
(178, 47)	12	(15, 4)	6	1	YES	YES	NO(2)	NO	2046
(179, 48)	12	(3, 1)	2	1	NO	YES	NO(2)	NO	2047
(179, 42)	13	(4, 1)	3	1	YES	YES	YES	NO	2048
(179, 76)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	2049
(181, 65)	12	(2, 1)	1	1	YES	YES	YES	NO	2050
(181, 48)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	2051
(181, 70)	11	(5, 2)	3	1	YES	YES	YES	NO	2052
(181, 75)	11	(5, 2)	3	1	YES	YES	YES	NO	2053
(181, 41)	12	(48, 11)	9	1	YES	YES	YES	NO	2054
(181, 75)	11	(53, 22)	9	1	YES	YES	YES	NO	2055
(181, 41)	12	(115, 26)	11	1	YES	YES	YES	NO	2056
(181, 70)	11	(119, 46)	10	1	YES	YES	YES	NO	2057
(187, 50)	13	(4, 1)	3	1	YES	YES	NO(2)	NO	2058
(187, 79)	11	(17, 7)	6	17	YES	YES	YES	2261	2059
(188, 57)	13	(2, 1)	1	2	YES	YES	NO(2)	NO	2060
(188, 59)	13	(2, 1)	1	2	YES	YES	YES	NO	2061
(188, 73)	12	(2, 1)	1	2	YES	YES	NO(2)	NO	2062
(188, 57)	13	(10, 3)	5	2	YES	YES	YES	NO	2063
(188, 73)	12	(13, 5)	5	1	YES	YES	NO(2)	NO	2064
(189, 50)	13	(34, 9)	8	1	YES	YES	YES	NO	2065
(191, 26)	17	(2, 1)	1	1	YES	YES	YES	NO	2066
(191, 50)	13	(6, 1)	5	1	YES	YES	NO(2)	NO	2067
(191, 59)	13	(13, 4)	6	1	YES	YES	YES	NO	2068
(191, 50)	13	(42, 11)	9	1	YES	YES	YES	NO	2069
(192, 31)	16	(2, 1)	1	2	YES	YES	NO(2)	NO	2070
(192, 31)	16	(2, 1)	1	2	YES	YES	NO(2)	1584	2071
(192, 71)	11	(2, 1)	1	2	YES	YES	NO(2)	NO	2072
(192, 73)	11	(2, 1)	1	2	YES	YES	NO(2)	NO	2073
(194, 75)	11	(5, 2)	3	1	YES	YES	YES	NO	2074
(194, 75)	11	(106, 41)	10	2	YES	YES	YES	NO	2075
(196, 45)	13	(4, 1)	3	4	YES	YES	YES	NO	2076

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(196, 45)	13	(35, 8)	8	7	YES	YES	NO(2)	NO	2077
(197, 52)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	2078
(197, 76)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	2079
(197, 43)	12	(11, 3)	5	1	YES	YES	YES	NO	2080
(197, 52)	12	(19, 5)	7	1	YES	YES	YES	NO	2081
(197, 76)	12	(70, 27)	10	1	YES	YES	NO(2)	NO	2082
(197, 52)	12	(91, 24)	11	1	YES	YES	NO(2)	NO	2083
(198, 71)	12	(2, 1)	1	2	YES	YES	NO(2)	NO	2084
(198, 71)	12	(39, 14)	8	3	YES	YES	NO(2)	NO	2085
(199, 78)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	2086
(199, 78)	12	(2, 1)	1	1	NO	YES	NO(2)	NO	2087
(199, 78)	12	(3, 1)	2	1	YES	YES	YES	NO	2088
(199, 78)	12	(4, 1)	3	1	YES	YES	YES	NO	2089
(199, 78)	12	(5, 1)	4	1	YES	YES	NO(2)	NO	2090
(199, 78)	12	(74, 29)	10	1	YES	YES	NO(2)	NO	2091
(199, 78)	12	(125, 49)	11	1	YES	YES	YES	NO	2092
(199, 78)	12	(199, 78)	12	199	YES	YES	YES	NO	2093
(201, 59)	13	(7, 2)	4	1	YES	YES	NO(2)	NO	2094
(201, 59)	13	(92, 27)	11	1	YES	YES	NO(2)	NO	2095
(202, 59)	12	(2, 1)	1	2	YES	YES	NO(2)	NO	2096
(202, 89)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	2097
(202, 89)	12	(4, 1)	3	2	YES	YES	NO(2)	NO	2098
(202, 59)	12	(5, 2)	3	1	YES	YES	YES	NO	2099
(202, 59)	12	(5, 2)	3	1	YES	YES	YES	NO	2100
(202, 59)	12	(17, 5)	6	1	YES	YES	NO(2)	NO	2101
(202, 53)	13	(202, 53)	13	202	YES	YES	NO(2)	NO	2102
(203, 86)	12	(4, 1)	3	1	YES	YES	YES	NO	2103
(204, 89)	12	(2, 1)	1	2	NO	YES	NO(2)	NO	2104
(204, 89)	12	(3, 1)	2	3	YES	YES	NO(2)	NO	2105
(205, 78)	12	(205, 78)	12	205	YES	YES	YES	NO	2106
(206, 47)	12	(83, 19)	10	1	YES	YES	YES	NO	2107
(207, 55)	13	(2, 1)	1	1	YES	YES	YES	NO	2108
(207, 55)	13	(3, 1)	2	3	YES	YES	NO(2)	NO	2109
(207, 37)	15	(17, 3)	7	1	YES	YES	NO(2)	NO	2110
(207, 55)	13	(207, 55)	13	207	YES	YES	YES	NO	2111
(208, 61)	12	(9, 2)	5	1	YES	YES	YES	NO	2112
(208, 37)	13	(39, 7)	9	13	YES	YES	NO(2)	NO	2113
(209, 82)	12	(2, 1)	1	1	NO	YES	NO(2)	NO	2114
(209, 47)	14	(4, 1)	3	1	YES	YES	YES	NO	2115
(209, 45)	13	(5, 2)	3	1	YES	YES	NO(2)	NO	2116
(209, 56)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	2117
(209, 91)	12	(5, 2)	3	1	YES	YES	YES	NO	2118
(209, 37)	14	(6, 1)	5	1	YES	YES	YES	NO	2119
(209, 91)	12	(9, 4)	5	1	YES	YES	YES	NO	2120
(209, 37)	14	(13, 2)	7	1	YES	YES	NO(2)	NO	2121
(209, 37)	14	(39, 7)	9	1	YES	YES	NO(2)	NO	2122
(211, 93)	12	(9, 4)	5	1	YES	YES	NO(2)	NO	2123
(211, 50)	14	(38, 9)	9	1	YES	YES	YES	NO	2124
(211, 50)	14	(135, 32)	12	1	YES	YES	YES	2266	2125
(213, 38)	15	(2, 1)	1	1	YES	YES	NO(2)	NO	2126
(213, 62)	12	(9, 2)	5	3	YES	YES	YES	NO	2127
(215, 83)	12	(3, 1)	2	1	YES	YES	YES	NO	2128
(215, 83)	12	(3, 1)	2	1	YES	YES	YES	NO	2129

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(215, 83)	12	(4, 1)	3	1	YES	YES	YES	NO	2130
(215, 83)	12	(18, 7)	6	1	YES	YES	YES	NO	2131
(218, 85)	12	(4, 1)	3	2	YES	YES	YES	NO	2132
(219, 65)	12	(5, 2)	3	1	YES	YES	YES	NO	2133
(219, 65)	12	(11, 3)	5	1	YES	YES	YES	2292	2134
(219, 85)	12	(18, 7)	6	3	YES	YES	NO(2)	NO	2135
(221, 58)	13	(19, 5)	7	1	YES	YES	YES	NO	2136
(222, 59)	13	(15, 4)	6	3	YES	YES	YES	NO	2137
(222, 85)	12	(81, 31)	9	3	YES	YES	YES	NO	2138
(223, 98)	12	(3, 1)	2	1	YES	YES	YES	NO	2139
(223, 98)	12	(9, 4)	5	1	YES	YES	YES	1846	2140
(225, 98)	12	(3, 1)	2	3	YES	YES	YES	NO	2141
(229, 95)	12	(2, 1)	1	1	YES	YES	NO(2)	NO	2142
(229, 94)	12	(3, 1)	2	1	YES	YES	YES	NO	2143
(229, 64)	12	(5, 2)	3	1	YES	YES	YES	NO	2144
(229, 64)	12	(5, 2)	3	1	YES	YES	YES	NO	2145
(229, 94)	12	(229, 94)	12	229	YES	YES	YES	NO	2146
(231, 83)	12	(2, 1)	1	1	YES	YES	YES	NO	2147
(231, 83)	12	(3, 1)	2	3	YES	YES	YES	NO	2148
(231, 83)	12	(39, 14)	8	3	YES	YES	YES	NO	2149
(234, 43)	14	(6, 1)	5	6	YES	YES	YES	NO	2150
(237, 100)	12	(3, 1)	2	3	YES	YES	YES	NO	2151
(239, 32)	17	(2, 1)	1	1	YES	YES	YES	NO	2152
(239, 101)	12	(2, 1)	1	1	YES	YES	YES	NO	2153
(239, 50)	14	(5, 1)	4	1	YES	YES	YES	NO	2154
(241, 63)	13	(3, 1)	2	1	YES	YES	NO(2)	NO	2155
(241, 89)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	2156
(241, 46)	15	(4, 1)	3	1	YES	YES	YES	NO	2157
(242, 71)	13	(3, 1)	2	1	YES	YES	YES	NO	2158
(242, 71)	13	(5, 1)	4	1	YES	YES	YES	NO	2159
(243, 38)	16	(2, 1)	1	1	YES	YES	NO(2)	NO	2160
(243, 46)	15	(5, 1)	4	1	YES	YES	YES	NO	2161
(243, 38)	16	(13, 2)	7	1	YES	YES	NO(2)	NO	2162
(244, 55)	13	(5, 2)	3	1	YES	YES	YES	NO	2163
(245, 69)	13	(5, 1)	4	5	YES	YES	YES	NO	2164
(245, 69)	13	(103, 29)	11	1	YES	YES	YES	2213	2165
(246, 95)	12	(8, 3)	4	2	YES	YES	YES	NO	2166
(247, 56)	13	(5, 2)	3	1	YES	YES	YES	NO	2167
(253, 106)	12	(2, 1)	1	1	YES	YES	YES	NO	2168
(253, 57)	13	(5, 1)	4	1	YES	YES	NO(2)	NO	2169
(253, 57)	13	(40, 9)	9	1	YES	YES	NO(2)	NO	2170
(255, 76)	13	(2, 1)	1	1	YES	YES	YES	NO	2171
(255, 97)	12	(163, 62)	11	1	YES	YES	YES	NO	2172
(256, 99)	12	(3, 1)	2	1	YES	YES	YES	NO	2173
(256, 99)	12	(3, 1)	2	1	YES	YES	YES	NO	2174
(256, 99)	12	(4, 1)	3	4	YES	YES	YES	NO	2175
(256, 99)	12	(4, 1)	3	4	YES	YES	YES	NO	2176
(256, 97)	12	(5, 2)	3	1	YES	YES	YES	NO	2177
(256, 99)	12	(106, 41)	10	2	YES	YES	YES	2238	2178
(256, 99)	12	(181, 70)	11	1	YES	YES	YES	NO	2179
(256, 99)	12	(256, 99)	12	256	YES	YES	YES	NO	2180
(257, 45)	15	(3, 1)	2	1	YES	YES	NO(2)	NO	2181
(258, 109)	12	(3, 1)	2	3	YES	YES	YES	NO	2182

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(258, 109)	12	(3, 1)	2	3	YES	YES	YES	NO	2183
(258, 109)	12	(45, 19)	8	3	YES	YES	YES	NO	2184
(259, 76)	13	(2, 1)	1	1	YES	YES	YES	NO	2185
(259, 59)	13	(5, 1)	4	1	YES	YES	NO(2)	NO	2186
(261, 50)	15	(5, 1)	4	1	YES	YES	YES	NO	2187
(263, 100)	12	(4, 1)	3	1	YES	YES	YES	NO	2188
(263, 109)	12	(4, 1)	3	1	YES	YES	YES	NO	2189
(263, 100)	12	(6, 1)	5	1	YES	YES	YES	NO	2190
(263, 100)	12	(6, 1)	5	1	YES	YES	YES	NO	2191
(263, 100)	12	(6, 1)	5	1	YES	YES	YES	NO	2192
(263, 111)	12	(7, 3)	4	1	YES	YES	YES	NO	2193
(263, 109)	12	(17, 7)	6	1	YES	YES	YES	NO	2194
(265, 41)	16	(2, 1)	1	1	YES	YES	YES	NO	2195
(267, 98)	12	(3, 1)	2	3	YES	YES	YES	NO	2196
(267, 98)	12	(3, 1)	2	3	YES	YES	YES	NO	2197
(267, 98)	12	(8, 3)	4	1	YES	YES	YES	NO	2198
(268, 111)	12	(99, 41)	10	1	YES	YES	YES	NO	2199
(269, 78)	13	(2, 1)	1	1	YES	YES	YES	NO	2200
(269, 104)	12	(44, 17)	8	1	YES	YES	YES	NO	2201
(271, 48)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	2202
(273, 76)	13	(5, 1)	4	1	YES	YES	YES	NO	2203
(274, 115)	12	(2, 1)	1	2	YES	YES	YES	NO	2204
(274, 81)	12	(13, 4)	6	1	YES	YES	YES	NO	2205
(274, 43)	15	(20, 3)	8	2	YES	YES	NO(2)	NO	2206
(277, 78)	13	(2, 1)	1	1	YES	YES	YES	NO	2207
(277, 106)	12	(2, 1)	1	1	YES	YES	YES	NO	2208
(277, 106)	12	(2, 1)	1	1	YES	YES	YES	NO	2209
(277, 106)	12	(8, 3)	4	1	YES	YES	YES	NO	2210
(277, 106)	12	(13, 5)	5	1	YES	YES	YES	NO	2211
(277, 117)	12	(19, 8)	6	1	YES	YES	YES	NO	2212
(277, 78)	13	(71, 20)	10	1	YES	YES	YES	2165	2213
(281, 109)	12	(2, 1)	1	1	YES	YES	YES	NO	2214
(281, 109)	12	(13, 5)	5	1	YES	YES	YES	NO	2215
(281, 109)	12	(116, 45)	10	1	YES	YES	YES	NO	2216
(282, 109)	12	(2, 1)	1	2	YES	YES	YES	NO	2217
(282, 109)	12	(4, 1)	3	2	YES	YES	YES	NO	2218
(282, 109)	12	(13, 5)	5	1	YES	YES	YES	NO	2219
(282, 109)	12	(31, 12)	7	1	YES	YES	YES	1991	2220
(282, 109)	12	(119, 46)	10	1	YES	YES	YES	NO	2221
(283, 83)	13	(2, 1)	1	1	YES	YES	YES	NO	2222
(283, 83)	13	(2, 1)	1	1	YES	YES	YES	NO	2223
(283, 83)	13	(4, 1)	3	1	YES	YES	YES	NO	2224
(283, 108)	12	(6, 1)	5	1	YES	YES	YES	NO	2225
(283, 108)	12	(6, 1)	5	1	YES	YES	YES	NO	2226
(283, 108)	12	(6, 1)	5	1	YES	YES	YES	NO	2227
(283, 75)	13	(49, 13)	9	1	YES	YES	YES	NO	2228
(283, 108)	12	(131, 50)	10	1	YES	YES	YES	2286	2229
(283, 83)	13	(283, 83)	13	283	YES	YES	YES	NO	2230
(286, 105)	12	(11, 4)	5	11	YES	YES	YES	NO	2231
(287, 111)	12	(2, 1)	1	1	YES	YES	YES	NO	2232
(287, 109)	12	(3, 1)	2	1	YES	YES	YES	NO	2233
(287, 109)	12	(3, 1)	2	1	YES	YES	YES	NO	2234
(287, 106)	12	(5, 1)	4	1	YES	YES	YES	NO	2235

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(287, 111)	12	(5, 1)	4	1	YES	YES	YES	NO	2236
(287, 111)	12	(5, 1)	4	1	YES	YES	YES	NO	2237
(287, 111)	12	(75, 29)	9	1	YES	YES	YES	2178	2238
(287, 109)	12	(79, 30)	9	1	YES	YES	YES	NO	2239
(287, 111)	12	(106, 41)	10	1	YES	YES	YES	NO	2240
(288, 85)	13	(4, 1)	3	4	YES	YES	YES	NO	2241
(288, 85)	13	(44, 13)	8	4	YES	YES	YES	NO	2242
(288, 119)	12	(121, 50)	10	1	YES	YES	YES	NO	2243
(289, 112)	12	(31, 12)	7	1	YES	YES	YES	NO	2244
(289, 112)	12	(49, 19)	8	1	YES	YES	YES	NO	2245
(291, 85)	13	(10, 3)	5	1	YES	YES	YES	NO	2246
(292, 111)	12	(2, 1)	1	2	YES	YES	YES	NO	2247
(292, 85)	13	(3, 1)	2	1	YES	YES	YES	NO	2248
(292, 121)	12	(3, 1)	2	1	YES	YES	YES	NO	2249
(292, 85)	13	(4, 1)	3	4	YES	YES	YES	NO	2250
(292, 111)	12	(5, 2)	3	1	YES	YES	YES	NO	2251
(292, 111)	12	(121, 46)	10	1	YES	YES	YES	NO	2252
(292, 85)	13	(134, 39)	11	2	YES	YES	YES	2288	2253
(298, 83)	13	(3, 1)	2	1	YES	YES	YES	NO	2254
(298, 79)	13	(49, 13)	9	1	YES	YES	YES	NO	2255
(301, 65)	13	(5, 2)	3	1	YES	YES	YES	NO	2256
(301, 65)	13	(5, 2)	3	1	YES	YES	YES	NO	2257
(301, 115)	12	(5, 2)	3	1	YES	YES	YES	NO	2258
(301, 65)	13	(13, 3)	6	1	YES	YES	YES	2301	2259
(301, 115)	12	(13, 5)	5	1	YES	YES	YES	2036	2260
(303, 128)	12	(5, 2)	3	1	YES	YES	YES	2059	2261
(303, 128)	12	(19, 8)	6	1	YES	YES	YES	NO	2262
(307, 85)	13	(4, 1)	3	1	YES	YES	YES	NO	2263
(307, 69)	14	(5, 1)	4	1	YES	YES	NO(2)	NO	2264
(307, 69)	14	(89, 20)	11	1	YES	YES	NO(2)	NO	2265
(308, 73)	14	(38, 9)	9	2	YES	YES	YES	2125	2266
(309, 59)	15	(4, 1)	3	1	YES	YES	YES	NO	2267
(313, 71)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	2268
(313, 71)	14	(3, 1)	2	1	YES	YES	YES	NO	2269
(313, 121)	12	(3, 1)	2	1	YES	YES	YES	NO	2270
(313, 86)	13	(4, 1)	3	1	YES	YES	YES	NO	2271
(313, 71)	14	(5, 1)	4	1	YES	YES	NO(2)	NO	2272
(313, 86)	13	(5, 1)	4	1	YES	YES	YES	NO	2273
(315, 88)	13	(2, 1)	1	1	YES	YES	YES	NO	2274
(321, 95)	13	(2, 1)	1	1	YES	YES	YES	NO	2275
(321, 95)	13	(17, 5)	6	1	YES	YES	YES	1840	2276
(323, 94)	13	(2, 1)	1	1	YES	YES	YES	NO	2277
(323, 89)	13	(5, 1)	4	1	YES	YES	YES	NO	2278
(323, 94)	13	(134, 39)	11	1	YES	YES	YES	NO	2279
(325, 74)	14	(2, 1)	1	1	YES	YES	YES	NO	2280
(326, 97)	13	(121, 36)	11	1	YES	YES	YES	NO	2281
(327, 97)	13	(5, 1)	4	1	YES	YES	YES	NO	2282
(335, 94)	13	(2, 1)	1	1	YES	YES	YES	NO	2283
(335, 94)	13	(3, 1)	2	1	YES	YES	YES	NO	2284
(338, 99)	13	(2, 1)	1	2	YES	YES	YES	NO	2285
(338, 129)	12	(76, 29)	9	2	YES	YES	YES	2229	2286
(347, 101)	13	(4, 1)	3	1	YES	YES	YES	NO	2287
(347, 101)	13	(79, 23)	10	1	YES	YES	YES	2253	2288

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(353, 97)	13	(2, 1)	1	1	YES	YES	YES	NO	2289
(353, 97)	13	(2, 1)	1	1	YES	YES	YES	NO	2290
(353, 97)	13	(7, 2)	4	1	YES	YES	YES	NO	2291
(355, 99)	13	(3, 1)	2	1	YES	YES	YES	2134	2292
(359, 100)	13	(5, 1)	4	1	YES	YES	YES	NO	2293
(360, 101)	13	(2, 1)	1	2	YES	YES	YES	NO	2294
(360, 101)	13	(2, 1)	1	2	YES	YES	YES	NO	2295
(377, 85)	14	(3, 1)	2	1	YES	YES	YES	NO	2296
(377, 85)	14	(71, 16)	10	1	YES	YES	YES	NO	2297
(395, 73)	15	(3, 1)	2	1	YES	YES	YES	NO	2298
(407, 171)	13	(2, 1)	1	1	NO	YES	YES	NO	2299
(424, 97)	14	(3, 1)	2	1	YES	YES	YES	NO	2300
(437, 99)	14	(5, 1)	4	1	YES	YES	YES	2259	2301
(451, 84)	15	(11, 2)	6	11	YES	YES	YES	NO	2302
(451, 84)	15	(27, 5)	8	1	YES	YES	YES	NO	2303
(495, 92)	15	(2, 1)	1	1	YES	YES	YES	NO	2304
(495, 92)	15	(2, 1)	1	1	YES	YES	YES	NO	2305
$(a; 0, 0, 0; 3)$	4	(81, 31)	9	3	YES	YES	YES	NO	2306
$(a; 0, 0, 0; 3)$	4	(89, 34)	9	1	YES	YES	YES	NO	2307
$(a; 1, 0, 0; 13)$	5	(33, 14)	8	1	YES	YES	NO(2)	NO	2308
$(a; 1, 0, 0; 13)$	5	(36, 13)	8	1	YES	YES	NO(2)	NO	2309
$(a; 1, 0, 0; 13)$	5	(55, 21)	8	1	YES	YES	YES	NO	2310
$(a; 1, 1, 0; 19)$	6	(19, 6)	8	19	YES	YES	YES	NO	2311
$(a; 1, 1, 0; 19)$	6	(35, 11)	9	1	YES	YES	NO(2)	NO	2312
$(a; 2, 1, 1; 37)$	8	(12, 5)	5	1	YES	YES	YES	NO	2313
$(a; 3, 1, 0; 31)$	8	(13, 4)	6	1	YES	YES	NO(2)	NO	2314
$(a; 4, 0, 0; 25)$	8	(7, 3)	4	1	YES	YES	YES	NO	2315
$(a; 4, 0, 0; 25)$	8	(8, 3)	4	1	YES	YES	YES	NO	2316
$(a; 4, 0, 0; 25)$	8	(16, 3)	7	1	YES	YES	YES	NO	2317
$(a; 4, 0, 0; 25)$	8	(17, 3)	7	1	YES	YES	YES	NO	2318
$(b; 0, 0, 3; 32)$	8	(5, 2)	3	1	YES	YES	NO(2)	NO	2319
$(b; 0, 1, 0; 19)$	6	(31, 12)	7	1	YES	YES	YES	NO	2320
$(b; 0, 2, 1; 34)$	8	(12, 5)	5	2	YES	YES	YES	NO	2321
$(b; 0, 3, 0; 29)$	8	(8, 3)	4	1	YES	YES	NO(2)	NO	2322
$(b; 0, 3, 2; 53)$	10	(4, 1)	3	1	YES	YES	YES	NO	2323
$(b; 1, 1, 0; 27)$	7	(12, 5)	5	3	YES	YES	NO(2)	NO	2324
$(b; 1, 2, 0; 17)$	8	(22, 5)	7	1	YES	YES	YES	NO	2325
$(b; 1, 2, 1; 7)$	9	(11, 3)	5	1	YES	YES	YES	NO	2326
$(b; 2, 0, 0; 26)$	7	(9, 4)	5	1	YES	YES	YES	NO	2327
$(b; 2, 0, 0; 26)$	7	(18, 7)	6	2	YES	YES	YES	NO	2328
$(b; 2, 1, 0; 7)$	8	(5, 2)	3	1	YES	YES	NO(2)	NO	2329
$(b; 2, 2, 0; 44)$	9	(3, 1)	2	1	YES	YES	YES	NO	2330
$(b; 2, 3, 0; 53)$	10	(3, 1)	2	1	YES	YES	YES	NO	2331
$(b; 3, 0, 0; 16)$	8	(5, 2)	3	1	YES	YES	NO(2)	NO	2332
$(b; 3, 0, 0; 16)$	8	(7, 3)	4	1	YES	YES	YES	NO	2333
$(b; 3, 0, 0; 16)$	8	(16, 5)	7	16	YES	YES	NO(2)	NO	2334
$(b; 3, 0, 3; 11)$	11	(5, 1)	4	1	YES	YES	YES	NO	2335
$(b; 3, 1, 1; 63)$	10	(3, 1)	2	3	YES	YES	NO(2)	NO	2336
$(b; 3, 1, 1; 63)$	10	(4, 1)	3	1	YES	YES	YES	NO	2337
$(c; 0, 0, 0; 4)$	4	(34, 15)	8	2	YES	YES	NO(2)	NO	2338
$(c; 0, 0, 0; 4)$	4	(49, 19)	8	1	YES	YES	NO(2)	NO	2339
$(c; 0, 0, 0; 4)$	4	(61, 25)	9	1	YES	YES	NO(2)	NO	2340
$(c; 0, 0, 0; 4)$	4	(95, 36)	10	1	YES	YES	YES	NO	2341

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(c; 0, 1, 0; 11)$	5	$(51, 16)$	10	1	YES	YES	YES	NO	2342
$(c; 0, 1, 0; 11)$	5	$(61, 16)$	10	1	YES	YES	YES	NO	2343
$(c; 0, 1, 0; 11)$	5	$(89, 24)$	10	1	YES	YES	YES	NO	2344
$(c; 0, 1, 1; 5)$	6	$(41, 16)$	8	1	YES	YES	YES	NO	2345
$(c; 0, 1, 1; 5)$	6	$(61, 17)$	9	1	YES	YES	YES	NO	2346
$(c; 0, 2, 0; 7)$	6	$(12, 5)$	5	1	YES	YES	NO(2)	NO	2347
$(c; 0, 2, 0; 7)$	6	$(29, 9)$	8	1	YES	YES	YES	NO	2348
$(c; 0, 2, 0; 7)$	6	$(36, 11)$	8	1	YES	YES	NO(2)	NO	2349
$(c; 0, 2, 0; 7)$	6	$(43, 9)$	9	1	YES	YES	YES	NO	2350
$(c; 0, 2, 0; 7)$	6	$(52, 11)$	9	1	YES	YES	NO(2)	NO	2351
$(c; 0, 2, 1; 19)$	7	$(27, 8)$	7	1	YES	YES	NO(2)	NO	2352
$(c; 0, 3, 0; 17)$	7	$(7, 3)$	4	1	YES	YES	NO(2)	NO	2353
$(c; 0, 3, 0; 17)$	7	$(19, 8)$	6	1	YES	YES	NO(2)	NO	2354
$(c; 0, 3, 1; 23)$	8	$(25, 7)$	7	1	YES	YES	YES	NO	2355
$(c; 0, 3, 1; 23)$	8	$(32, 7)$	8	1	YES	YES	YES	NO	2356
$(c; 0, 3, 2; 29)$	9	$(7, 2)$	4	1	YES	YES	NO(2)	NO	2357
$(c; 0, 3, 3; 7)$	10	$(9, 2)$	5	1	YES	YES	YES	NO	2358
$(c; 0, 4, 0; 10)$	8	$(10, 3)$	5	10	YES	YES	YES	NO	2359
$(c; 0, 4, 2; 17)$	10	$(11, 2)$	6	1	YES	YES	YES	NO	2360
$(d; 0, 0, 0; 5)$	5	$(64, 27)$	9	1	YES	YES	YES	NO	2361
$(d; 0, 0, 0; 5)$	5	$(65, 24)$	9	5	YES	YES	YES	NO	2362
$(d; 0, 0, 0; 5)$	5	$(79, 24)$	10	1	YES	YES	YES	NO	2363
$(d; 0, 0, 1; 14)$	6	$(44, 17)$	8	2	YES	YES	YES	NO	2364
$(d; 0, 0, 2; 9)$	7	$(37, 11)$	8	1	YES	YES	YES	NO	2365
$(d; 0, 0, 3; 22)$	8	$(9, 2)$	5	1	YES	YES	NO(2)	NO	2366
$(d; 0, 1, 1; 17)$	7	$(37, 11)$	8	1	YES	YES	YES	NO	2367
$(d; 0, 2, 0; 7)$	7	$(7, 3)$	4	7	YES	YES	NO(2)	NO	2368
$(e; 0, 1, 0; 5)$	6	$(31, 12)$	7	1	YES	YES	YES	NO	2369
$(e; 0, 3, 0; 7)$	8	$(8, 3)$	4	1	YES	YES	NO(2)	NO	2370
$(e; 1, 1, 0; 23)$	7	$(17, 7)$	6	1	YES	YES	NO(2)	NO	2371
$(e; 1, 2, 0; 28)$	8	$(18, 5)$	6	2	YES	YES	YES	NO	2372
$(e; 2, 3, 0; 45)$	10	$(4, 1)$	3	1	YES	YES	YES	NO	2373
$(e; 3, 0, 0; 10)$	8	$(9, 4)$	5	1	YES	YES	NO(2)	NO	2374
$(f; 0, 0, 0; 6)$	4	$(29, 9)$	8	1	YES	YES	NO(2)	NO	2375
$(f; 0, 0, 0; 6)$	4	$(43, 16)$	9	1	YES	YES	YES	NO	2376
$(f; 0, 0, 0; 6)$	4	$(47, 20)$	10	1	YES	YES	YES	NO	2377
$(f; 0, 0, 0; 6)$	4	$(55, 16)$	9	1	YES	YES	NO(2)	NO	2378
$(f; 0, 0, 0; 6)$	4	$(57, 16)$	9	3	YES	YES	YES	NO	2379
$(f; 0, 0, 0; 6)$	4	$(64, 19)$	9	2	YES	YES	YES	NO	2380
$(f; 0, 0, 0; 6)$	4	$(65, 19)$	9	1	YES	YES	YES	NO	2381
$(f; 0, 0, 0; 6)$	4	$(84, 13)$	13	6	YES	YES	YES	NO	2382
$(f; 0, 0, 0; 6)$	4	$(85, 33)$	10	1	YES	YES	NO(2)	NO	2383
$(f; 0, 0, 0; 6)$	4	$(131, 24)$	13	1	YES	YES	NO(2)	NO	2384
$(f; 0, 0, 0; 6)$	4	$(154, 45)$	11	2	YES	YES	YES	NO	2385
$(f; 0, 1, 0; 7)$	5	$(23, 10)$	7	1	YES	YES	YES	NO	2386
$(f; 0, 1, 0; 7)$	5	$(27, 10)$	7	1	YES	YES	YES	NO	2387
$(g; 0, 0, 1; 26)$	7	$(18, 7)$	6	2	YES	YES	YES	NO	2388
$(g; 0, 1, 0; 24)$	7	$(13, 5)$	5	1	YES	YES	NO(2)	NO	2389
$(g; 0, 2, 2; 17)$	10	$(2, 1)$	1	1	YES	YES	YES	NO	2390
$(g; 0, 3, 0; 34)$	9	$(5, 2)$	3	1	YES	YES	NO(2)	NO	2391
$(h; 0, 3, 0; 12)$	8	$(9, 4)$	5	3	YES	YES	YES	NO	2392
$(h; 0, 3, 0; 12)$	8	$(14, 3)$	6	2	YES	YES	NO(2)	NO	2393
$(i; 0, 0, 0; 9)$	5	$(57, 13)$	9	3	YES	YES	NO(2)	NO	2394

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(i; 0, 0, 0; 9)$	5	$(58, 17)$	9	1	YES	YES	YES	NO	2395
$(i; 0, 0, 0; 9)$	5	$(60, 13)$	9	3	YES	YES	NO(2)	NO	2396
$(i; 0, 0, 0; 9)$	5	$(75, 17)$	10	3	YES	YES	NO(2)	NO	2397
$(i; 0, 2, 0; 15)$	7	$(24, 7)$	7	3	YES	YES	YES	NO	2398
$(i; 0, 2, 0; 15)$	7	$(25, 7)$	7	5	YES	YES	YES	NO	2399
$(j; 0, 0, 0; 8)$	5	$(31, 11)$	8	1	YES	YES	NO(2)	NO	2400
$(j; 0, 0, 0; 8)$	5	$(71, 27)$	9	1	YES	YES	YES	NO	2401
$(j; 0, 0, 0; 8)$	5	$(76, 29)$	9	4	YES	YES	YES	NO	2402
$(j; 0, 1, 0; 10)$	6	$(31, 14)$	8	1	YES	YES	NO(2)	NO	2403
$(j; 0, 2, 0; 12)$	7	$(16, 5)$	7	4	YES	YES	YES	NO	2404
$(j; 0, 3, 0; 14)$	8	$(11, 4)$	5	1	YES	YES	YES	NO	2405

2.9 2 chains, $K^2 = 4$

2 chains, $K^2 = 4$									
(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(24, 11)$	8	$(18, 7)$	6	6	YES	YES	NO(3)	NO	2406
$(24, 11)$	8	$(24, 7)$	7	24	YES	YES	NO(3)	NO	2407
$(34, 13)$	7	$(24, 5)$	8	2	YES	YES	NO(2)	NO	2408
$(36, 11)$	8	$(31, 14)$	8	1	YES	YES	NO(2)	NO	2409
$(37, 10)$	8	$(23, 9)$	7	1	YES	YES	YES	NO	2410
$(39, 11)$	9	$(23, 5)$	7	1	YES	YES	NO(2)	NO	2411
$(41, 7)$	11	$(18, 7)$	6	1	YES	YES	NO(3)	NO	2412
$(41, 7)$	11	$(24, 7)$	7	1	YES	YES	NO(3)	NO	2413
$(43, 19)$	9	$(33, 10)$	8	1	YES	YES	NO(2)	NO	2414
$(44, 17)$	8	$(31, 12)$	7	1	YES	YES	NO(2)	NO	2415
$(44, 17)$	8	$(33, 14)$	8	11	YES	YES	NO(2)	NO	2416
$(47, 20)$	10	$(29, 8)$	7	1	YES	YES	NO(2)	NO	2417
$(49, 18)$	8	$(33, 14)$	8	1	YES	YES	NO(2)	NO	2418
$(51, 19)$	10	$(31, 7)$	8	1	YES	YES	NO(2)	NO	2419
$(51, 14)$	9	$(40, 7)$	9	1	YES	YES	NO(3)	NO	2420
$(52, 23)$	10	$(18, 5)$	6	2	YES	YES	YES	NO	2421
$(52, 23)$	10	$(23, 5)$	7	1	YES	YES	YES	NO	2422
$(56, 23)$	9	$(31, 12)$	7	1	YES	YES	NO(2)	NO	2423
$(56, 15)$	9	$(44, 13)$	8	4	YES	YES	YES	NO	2424
$(57, 10)$	10	$(55, 23)$	9	1	YES	YES	NO(2)	NO	2425
$(59, 26)$	9	$(33, 10)$	8	1	YES	YES	NO(2)	NO	2426
$(62, 17)$	10	$(26, 7)$	7	2	YES	YES	NO(2)	NO	2427
$(63, 26)$	9	$(33, 7)$	8	3	YES	YES	NO(2)	NO	2428
$(64, 17)$	10	$(35, 8)$	8	1	YES	YES	NO(2)	NO	2429
$(65, 19)$	9	$(44, 17)$	8	1	YES	YES	YES	NO	2430
$(67, 21)$	11	$(11, 4)$	5	1	YES	YES	YES	NO	2431
$(67, 20)$	11	$(18, 7)$	6	1	YES	YES	NO(2)	NO	2432
$(67, 20)$	11	$(32, 7)$	8	1	YES	YES	NO(2)	NO	2433
$(68, 19)$	9	$(11, 4)$	5	1	YES	YES	YES	NO	2434
$(68, 19)$	9	$(16, 5)$	7	4	YES	YES	YES	NO	2435
$(68, 19)$	9	$(16, 5)$	7	4	YES	YES	YES	NO	2436
$(68, 19)$	9	$(44, 17)$	8	4	YES	YES	YES	NO	2437
$(71, 27)$	9	$(48, 11)$	9	1	YES	YES	YES	NO	2438
$(76, 31)$	10	$(16, 7)$	6	4	YES	YES	NO(2)	NO	2439
$(79, 21)$	11	$(23, 5)$	7	1	YES	YES	YES	NO	2440
$(84, 37)$	10	$(23, 7)$	7	1	YES	YES	NO(2)	NO	2441
$(84, 37)$	10	$(31, 12)$	7	1	YES	YES	NO(2)	NO	2442

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(87, 19)	10	(11, 4)	5	1	YES	YES	YES	NO	2443
(87, 19)	10	(11, 4)	5	1	YES	YES	YES	NO	2444
(87, 20)	12	(19, 8)	6	1	YES	YES	YES	NO	2445
(89, 34)	9	(37, 11)	8	1	YES	YES	YES	NO	2446
(89, 26)	10	(67, 20)	11	1	YES	YES	NO(2)	NO	2447
(92, 21)	10	(43, 18)	8	1	YES	YES	YES	NO	2448
(95, 42)	11	(16, 7)	6	1	YES	YES	NO(2)	NO	2449
(97, 21)	10	(21, 5)	8	1	YES	YES	NO(2)	NO	2450
(98, 41)	10	(16, 7)	6	2	YES	YES	YES	NO	2451
(98, 41)	10	(73, 31)	10	1	YES	YES	YES	NO	2452
(99, 29)	10	(23, 10)	7	1	YES	YES	YES	NO	2453
(99, 29)	10	(26, 11)	7	1	YES	YES	YES	NO	2454
(103, 37)	10	(16, 7)	6	1	YES	YES	NO(2)	NO	2455
(103, 39)	10	(53, 20)	10	1	YES	YES	YES	NO	2456
(106, 31)	10	(19, 8)	6	1	YES	YES	YES	NO	2457
(106, 45)	11	(49, 20)	9	1	YES	YES	NO(2)	NO	2458
(107, 41)	10	(27, 8)	7	1	YES	YES	YES	NO	2459
(107, 47)	10	(52, 23)	10	1	YES	YES	YES	NO	2460
(109, 40)	10	(7, 2)	4	1	YES	YES	NO(2)	NO	2461
(110, 23)	11	(7, 2)	4	1	YES	YES	NO(3)	NO	2462
(110, 23)	11	(7, 2)	4	1	YES	YES	NO(3)	NO	2463
(110, 29)	12	(16, 5)	7	2	YES	YES	NO(2)	NO	2464
(113, 31)	11	(7, 2)	4	1	YES	YES	YES	NO	2465
(113, 31)	11	(7, 2)	4	1	YES	YES	YES	NO	2466
(115, 42)	11	(22, 5)	7	1	YES	YES	YES	NO	2467
(117, 49)	10	(16, 5)	7	1	YES	YES	YES	NO	2468
(117, 49)	10	(16, 7)	6	1	YES	YES	YES	NO	2469
(117, 31)	11	(23, 5)	7	1	YES	YES	YES	NO	2470
(120, 43)	11	(3, 1)	2	3	YES	YES	YES	NO	2471
(121, 32)	11	(17, 4)	7	1	YES	YES	NO(2)	NO	2472
(125, 27)	11	(11, 3)	5	1	YES	YES	YES	NO	2473
(125, 27)	11	(11, 3)	5	1	YES	YES	YES	NO	2474
(128, 47)	10	(115, 42)	11	1	YES	YES	YES	NO	2475
(129, 50)	10	(18, 7)	6	3	YES	YES	YES	NO	2476
(131, 50)	10	(18, 7)	6	1	YES	YES	YES	NO	2477
(131, 36)	11	(31, 7)	8	1	YES	YES	YES	NO	2478
(137, 31)	11	(56, 13)	10	1	YES	YES	NO(2)	NO	2479
(138, 37)	11	(25, 7)	7	1	YES	YES	YES	NO	2480
(140, 53)	11	(9, 4)	5	1	YES	YES	YES	NO	2481
(140, 53)	11	(28, 11)	8	28	YES	YES	YES	NO	2482
(144, 61)	11	(2, 1)	1	2	YES	YES	NO(2)	NO	2483
(147, 53)	11	(103, 37)	10	1	YES	YES	NO(2)	NO	2484
(148, 53)	12	(5, 2)	3	1	YES	YES	YES	NO	2485
(148, 53)	12	(7, 3)	4	1	YES	YES	YES	NO	2486
(148, 53)	12	(9, 2)	5	1	YES	YES	YES	NO	2487
(148, 53)	12	(19, 7)	6	1	YES	YES	YES	NO	2488
(149, 45)	12	(62, 19)	10	1	YES	YES	NO(2)	NO	2489
(152, 67)	11	(52, 23)	10	4	YES	YES	YES	NO	2490
(153, 41)	11	(12, 5)	5	3	YES	YES	NO(2)	NO	2491
(155, 47)	12	(16, 5)	7	1	YES	YES	NO(2)	NO	2492
(157, 42)	12	(28, 5)	8	1	YES	YES	YES	NO	2493
(165, 64)	11	(8, 3)	4	1	YES	YES	NO(2)	NO	2494
(166, 61)	11	(18, 5)	6	2	YES	YES	YES	NO	2495

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(173, 75)	13	(13, 2)	7	1	YES	YES	NO(2)	NO	2496
(175, 48)	12	(113, 31)	11	1	YES	YES	YES	NO	2497
(176, 69)	12	(8, 3)	4	8	YES	YES	YES	NO	2498
(178, 63)	12	(4, 1)	3	2	YES	YES	NO(2)	NO	2499
(178, 47)	12	(27, 8)	7	1	YES	YES	YES	NO	2500
(178, 49)	11	(142, 39)	11	2	YES	YES	NO(2)	NO	2501
(179, 75)	11	(17, 5)	6	1	YES	YES	YES	NO	2502
(179, 48)	12	(85, 23)	10	1	YES	YES	NO(2)	NO	2503
(183, 67)	11	(10, 3)	5	1	YES	YES	NO(2)	NO	2504
(184, 51)	12	(4, 1)	3	4	YES	YES	YES	NO	2505
(186, 71)	11	(97, 37)	10	1	YES	YES	NO(2)	2591	2506
(187, 71)	11	(13, 4)	6	1	YES	YES	NO(2)	NO	2507
(187, 71)	11	(60, 23)	9	1	YES	YES	NO(2)	NO	2508
(189, 40)	12	(12, 5)	5	3	YES	YES	NO(2)	NO	2509
(191, 59)	13	(9, 4)	5	1	YES	YES	NO(2)	NO	2510
(191, 59)	13	(9, 4)	5	1	YES	YES	NO(2)	NO	2511
(193, 53)	12	(22, 5)	7	1	YES	YES	YES	NO	2512
(193, 53)	12	(167, 46)	11	1	YES	YES	YES	NO	2513
(195, 82)	12	(23, 10)	7	1	YES	YES	NO(2)	NO	2514
(205, 38)	15	(167, 31)	12	1	YES	YES	NO(3)	NO	2515
(206, 45)	12	(14, 5)	6	2	YES	YES	YES	NO	2516
(206, 91)	13	(197, 87)	12	1	YES	YES	YES	2615	2517
(207, 79)	11	(17, 5)	6	1	YES	YES	YES	NO	2518
(208, 95)	13	(4, 1)	3	4	YES	YES	YES	NO	2519
(208, 85)	13	(9, 2)	5	1	YES	YES	NO(2)	NO	2520
(208, 37)	13	(12, 5)	5	4	YES	YES	NO(2)	NO	2521
(208, 37)	13	(12, 5)	5	4	YES	YES	NO(2)	NO	2522
(208, 61)	12	(18, 5)	6	2	YES	YES	YES	NO	2523
(208, 37)	13	(22, 5)	7	2	YES	YES	NO(2)	NO	2524
(208, 37)	13	(97, 17)	11	1	YES	YES	YES	NO	2525
(212, 89)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	2526
(212, 81)	11	(12, 5)	5	4	YES	YES	YES	NO	2527
(212, 89)	11	(26, 11)	7	2	YES	YES	NO(2)	NO	2528
(213, 46)	12	(9, 4)	5	3	YES	YES	YES	NO	2529
(217, 58)	14	(4, 1)	3	1	YES	YES	YES	NO	2530
(217, 92)	12	(191, 81)	13	1	YES	YES	YES	2607	2531
(218, 47)	13	(27, 5)	8	1	YES	YES	YES	NO	2532
(219, 67)	12	(3, 1)	2	3	YES	YES	NO(2)	NO	2533
(219, 67)	12	(3, 1)	2	3	YES	YES	NO(2)	NO	2534
(219, 83)	12	(15, 4)	6	3	YES	YES	NO(2)	NO	2535
(220, 97)	12	(5, 2)	3	5	YES	YES	YES	NO	2536
(222, 61)	12	(8, 3)	4	2	YES	YES	NO(2)	NO	2537
(224, 103)	13	(224, 103)	13	224	YES	YES	YES	NO	2538
(227, 60)	12	(7, 3)	4	1	YES	YES	NO(2)	NO	2539
(227, 60)	12	(91, 24)	11	1	YES	YES	NO(2)	NO	2540
(227, 84)	12	(119, 44)	10	1	YES	YES	NO(2)	NO	2541
(229, 64)	12	(27, 8)	7	1	YES	YES	YES	NO	2542
(231, 61)	13	(11, 2)	6	11	YES	YES	YES	NO	2543
(232, 89)	13	(5, 2)	3	1	YES	YES	YES	NO	2544
(232, 89)	13	(7, 3)	4	1	YES	YES	NO(2)	NO	2545
(232, 89)	13	(7, 3)	4	1	YES	YES	NO(2)	NO	2546
(233, 89)	11	(5, 2)	3	1	YES	YES	NO(2)	NO	2547
(233, 103)	13	(6, 1)	5	1	YES	YES	YES	NO	2548

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(233, 89)	11	(29, 11)	7	1	YES	YES	NO(2)	NO	2549
(233, 89)	11	(107, 41)	10	1	YES	YES	YES	NO	2550
(236, 53)	14	(22, 5)	7	2	YES	YES	YES	NO	2551
(236, 65)	12	(24, 7)	7	4	YES	YES	YES	NO	2552
(239, 107)	13	(4, 1)	3	1	YES	YES	NO(2)	NO	2553
(239, 73)	14	(7, 1)	6	1	YES	YES	NO(2)	NO	2554
(239, 104)	13	(19, 8)	6	1	YES	YES	NO(2)	NO	2555
(241, 88)	13	(5, 1)	4	1	YES	YES	YES	NO	2556
(241, 88)	13	(11, 2)	6	1	YES	YES	NO(2)	NO	2557
(243, 106)	12	(13, 3)	6	1	YES	YES	YES	NO	2558
(244, 67)	13	(142, 39)	11	2	YES	YES	NO(3)	2596	2559
(245, 107)	13	(2, 1)	1	1	YES	YES	YES	NO	2560
(245, 108)	12	(5, 2)	3	5	YES	YES	YES	NO	2561
(248, 91)	12	(128, 47)	10	8	YES	YES	NO(2)	NO	2562
(257, 69)	12	(7, 3)	4	1	YES	YES	NO(2)	NO	2563
(261, 100)	12	(3, 1)	2	3	YES	YES	NO(2)	NO	2564
(261, 100)	12	(21, 8)	6	3	YES	YES	NO(2)	NO	2565
(265, 104)	13	(5, 1)	4	5	YES	YES	YES	NO	2566
(265, 104)	13	(135, 53)	12	5	YES	YES	NO(2)	2655	2567
(268, 111)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	2568
(268, 111)	12	(10, 3)	5	2	YES	YES	YES	NO	2569
(269, 71)	13	(49, 13)	9	1	YES	YES	YES	NO	2570
(271, 96)	14	(25, 9)	7	1	YES	YES	NO(2)	NO	2571
(273, 85)	13	(3, 1)	2	3	NO	YES	NO(2)	NO	2572
(280, 103)	13	(79, 29)	9	1	YES	YES	NO(2)	NO	2573
(283, 52)	15	(125, 23)	12	1	YES	YES	NO(3)	NO	2574
(288, 121)	12	(3, 1)	2	3	YES	YES	NO(2)	NO	2575
(288, 121)	12	(3, 1)	2	3	YES	YES	NO(2)	NO	2576
(288, 121)	12	(9, 4)	5	9	YES	YES	YES	NO	2577
(289, 66)	13	(43, 10)	9	1	YES	YES	NO(2)	NO	2578
(292, 111)	12	(10, 3)	5	2	YES	YES	YES	NO	2579
(293, 123)	12	(7, 2)	4	1	YES	YES	YES	NO	2580
(298, 131)	13	(5, 2)	3	1	YES	YES	NO(2)	NO	2581
(302, 117)	12	(13, 3)	6	1	YES	YES	YES	NO	2582
(302, 117)	12	(13, 3)	6	1	YES	YES	YES	NO	2583
(308, 87)	14	(3, 1)	2	1	YES	YES	NO(3)	NO	2584
(310, 83)	13	(7, 3)	4	1	YES	YES	YES	NO	2585
(313, 121)	12	(8, 3)	4	1	YES	YES	YES	NO	2586
(313, 121)	12	(13, 3)	6	1	YES	YES	YES	NO	2587
(314, 83)	13	(121, 32)	11	1	YES	YES	NO(2)	NO	2588
(317, 121)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	2589
(317, 121)	12	(3, 1)	2	1	YES	YES	NO(2)	NO	2590
(317, 121)	12	(21, 8)	6	1	YES	YES	NO(2)	2506	2591
(325, 87)	13	(157, 42)	12	1	YES	YES	YES	NO	2592
(332, 97)	13	(37, 11)	8	1	YES	YES	YES	NO	2593
(335, 92)	13	(4, 1)	3	1	YES	YES	NO(3)	NO	2594
(335, 92)	13	(13, 3)	6	1	YES	YES	YES	NO	2595
(335, 92)	13	(51, 14)	9	1	YES	YES	NO(3)	2559	2596
(335, 92)	13	(295, 81)	14	5	YES	YES	YES	2697	2597
(336, 137)	14	(4, 1)	3	4	YES	YES	NO(2)	NO	2598
(336, 137)	14	(233, 95)	13	1	YES	YES	NO(2)	NO	2599
(340, 143)	14	(5, 2)	3	5	YES	YES	YES	NO	2600
(340, 143)	14	(5, 2)	3	5	YES	YES	NO(2)	NO	2601

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(341, 90)	14	(5, 2)	3	1	YES	YES	NO(2)	NO	2602
(341, 90)	14	(269, 71)	13	1	YES	YES	YES	NO	2603
(347, 153)	13	(3, 1)	2	1	YES	YES	YES	NO	2604
(348, 103)	13	(5, 2)	3	1	YES	YES	YES	NO	2605
(348, 125)	13	(5, 2)	3	1	YES	YES	YES	NO	2606
(349, 148)	14	(92, 39)	10	1	YES	YES	YES	2531	2607
(353, 154)	13	(243, 106)	12	1	YES	YES	YES	NO	2608
(355, 63)	15	(5, 2)	3	5	YES	YES	YES	NO	2609
(356, 105)	13	(5, 2)	3	1	YES	YES	YES	NO	2610
(363, 58)	17	(4, 1)	3	1	YES	YES	YES	NO	2611
(363, 152)	13	(4, 1)	3	1	YES	YES	NO(2)	NO	2612
(363, 152)	13	(117, 49)	10	3	YES	YES	NO(2)	NO	2613
(367, 154)	13	(2, 1)	1	1	YES	YES	NO(2)	NO	2614
(369, 163)	14	(77, 34)	10	1	YES	YES	YES	2517	2615
(371, 132)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	2616
(371, 144)	13	(3, 1)	2	1	YES	YES	NO(2)	NO	2617
(375, 143)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	2618
(375, 88)	15	(5, 1)	4	5	YES	YES	YES	NO	2619
(375, 88)	15	(11, 2)	6	1	YES	YES	NO(2)	NO	2620
(376, 139)	13	(4, 1)	3	4	YES	YES	NO(2)	NO	2621
(376, 139)	13	(119, 44)	10	1	YES	YES	NO(2)	NO	2622
(379, 165)	13	(4, 1)	3	1	YES	YES	YES	NO	2623
(380, 137)	13	(9, 2)	5	1	YES	YES	YES	NO	2624
(383, 140)	13	(7, 2)	4	1	YES	YES	YES	NO	2625
(383, 140)	13	(7, 3)	4	1	YES	YES	YES	NO	2626
(388, 113)	14	(24, 7)	7	4	YES	YES	NO(2)	NO	2627
(391, 73)	16	(5, 2)	3	1	YES	YES	NO(2)	NO	2628
(391, 73)	16	(5, 2)	3	1	YES	YES	NO(2)	NO	2629
(393, 116)	13	(8, 3)	4	1	YES	YES	NO(2)	NO	2630
(395, 122)	16	(3, 1)	2	1	YES	YES	NO(2)	NO	2631
(395, 123)	14	(16, 5)	7	1	YES	YES	NO(3)	NO	2632
(397, 175)	13	(397, 175)	13	397	YES	YES	YES	NO	2633
(407, 71)	15	(3, 1)	2	1	YES	YES	NO(3)	NO	2634
(413, 157)	13	(7, 2)	4	7	YES	YES	YES	NO	2635
(415, 127)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	2636
(418, 111)	14	(4, 1)	3	2	YES	YES	YES	NO	2637
(421, 80)	16	(5, 2)	3	1	YES	YES	NO(2)	NO	2638
(421, 80)	16	(5, 2)	3	1	YES	YES	NO(2)	NO	2639
(426, 97)	15	(3, 1)	2	3	YES	YES	NO(2)	NO	2640
(428, 101)	16	(4, 1)	3	4	YES	YES	NO(2)	NO	2641
(428, 101)	16	(13, 3)	6	1	YES	YES	NO(2)	NO	2642
(432, 181)	13	(5, 2)	3	1	YES	YES	YES	NO	2643
(432, 181)	13	(8, 3)	4	8	YES	YES	NO(2)	NO	2644
(433, 128)	13	(169, 50)	11	1	YES	YES	YES	NO	2645
(434, 115)	14	(200, 53)	12	2	YES	YES	YES	2692	2646
(436, 115)	15	(53, 14)	9	1	YES	YES	YES	NO	2647
(438, 161)	13	(14, 5)	6	2	YES	YES	YES	NO	2648
(445, 172)	13	(9, 2)	5	1	YES	YES	YES	NO	2649
(445, 172)	13	(9, 2)	5	1	YES	YES	YES	NO	2650
(446, 173)	13	(44, 17)	8	2	YES	YES	YES	NO	2651
(446, 197)	14	(77, 34)	10	1	YES	YES	YES	2690	2652
(448, 197)	15	(4, 1)	3	4	YES	YES	NO(2)	NO	2653
(448, 197)	15	(7, 3)	4	7	YES	YES	NO(2)	NO	2654

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(451, 177)	14	(28, 11)	8	1	YES	YES	NO(2)	2567	2655
(461, 74)	17	(44, 7)	10	1	YES	YES	NO(2)	NO	2656
(463, 98)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	2657
(463, 98)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	2658
(463, 179)	13	(313, 121)	12	1	YES	YES	YES	NO	2659
(465, 197)	14	(3, 1)	2	3	YES	YES	YES	NO	2660
(465, 128)	13	(65, 18)	9	5	YES	YES	YES	NO	2661
(465, 197)	14	(465, 197)	14	465	YES	YES	YES	NO	2662
(473, 174)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	2663
(473, 125)	14	(5, 2)	3	1	YES	YES	YES	NO	2664
(473, 140)	14	(44, 13)	8	11	YES	YES	YES	NO	2665
(473, 174)	14	(473, 174)	14	473	YES	YES	NO(2)	NO	2666
(476, 109)	14	(40, 9)	9	4	YES	YES	YES	NO	2667
(476, 107)	15	(49, 11)	10	7	YES	YES	NO(3)	NO	2668
(476, 109)	14	(92, 21)	10	4	YES	YES	YES	NO	2669
(477, 187)	14	(28, 11)	8	1	YES	YES	YES	NO	2670
(478, 201)	14	(2, 1)	1	2	YES	YES	NO(2)	NO	2671
(480, 133)	15	(8, 1)	7	8	YES	YES	NO(2)	NO	2672
(482, 177)	13	(4, 1)	3	2	YES	YES	NO(2)	NO	2673
(482, 177)	13	(30, 11)	7	2	YES	YES	NO(2)	NO	2674
(485, 188)	13	(44, 17)	8	1	YES	YES	YES	NO	2675
(487, 101)	15	(4, 1)	3	1	YES	YES	NO(3)	NO	2676
(490, 187)	13	(5, 2)	3	5	YES	YES	YES	NO	2677
(490, 187)	13	(18, 7)	6	2	YES	YES	YES	NO	2678
(497, 107)	15	(23, 5)	7	1	YES	YES	YES	NO	2679
(498, 209)	13	(5, 2)	3	1	YES	YES	YES	NO	2680
(502, 219)	14	(353, 154)	13	1	YES	YES	YES	NO	2681
(503, 113)	15	(2, 1)	1	1	YES	YES	NO(3)	NO	2682
(503, 132)	15	(2, 1)	1	1	YES	YES	NO(2)	NO	2683
(503, 219)	14	(4, 1)	3	1	YES	YES	YES	NO	2684
(503, 132)	15	(7, 2)	4	1	YES	YES	NO(2)	NO	2685
(507, 140)	14	(3, 1)	2	3	YES	YES	YES	NO	2686
(507, 140)	14	(5, 2)	3	1	YES	YES	YES	NO	2687
(507, 140)	14	(76, 21)	9	1	YES	YES	YES	NO	2688
(514, 181)	18	(2, 1)	1	2	YES	YES	NO(2)	NO	2689
(514, 227)	14	(43, 19)	9	1	YES	YES	YES	2652	2690
(517, 142)	14	(18, 5)	6	1	YES	YES	YES	NO	2691
(517, 137)	14	(117, 31)	11	1	YES	YES	YES	2646	2692
(517, 142)	14	(131, 36)	11	1	YES	YES	YES	2760	2693
(521, 119)	15	(35, 8)	8	1	YES	YES	NO(3)	NO	2694
(537, 164)	15	(2, 1)	1	1	YES	YES	NO(2)	NO	2695
(539, 123)	14	(53, 12)	9	1	YES	YES	YES	NO	2696
(539, 148)	15	(142, 39)	11	1	YES	YES	YES	2597	2697
(551, 240)	14	(3, 1)	2	1	YES	YES	YES	NO	2698
(552, 199)	14	(319, 115)	13	1	YES	YES	YES	NO	2699
(557, 243)	14	(3, 1)	2	1	YES	YES	YES	NO	2700
(557, 243)	14	(353, 154)	13	1	YES	YES	YES	NO	2701
(559, 165)	14	(5, 2)	3	1	YES	YES	YES	NO	2702
(559, 165)	14	(11, 3)	5	1	YES	YES	YES	NO	2703
(563, 158)	15	(7, 2)	4	1	YES	YES	NO(2)	NO	2704
(583, 226)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	2705
(583, 173)	14	(5, 2)	3	1	YES	YES	YES	NO	2706
(583, 173)	14	(5, 2)	3	1	YES	YES	YES	NO	2707

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(587, 256)	14	(5, 1)	4	1	YES	YES	YES	NO	2708
(590, 229)	14	(13, 5)	5	1	YES	YES	YES	NO	2709
(596, 165)	14	(25, 7)	7	1	YES	YES	YES	NO	2710
(606, 251)	14	(4, 1)	3	2	YES	YES	YES	NO	2711
(606, 251)	14	(268, 111)	12	2	YES	YES	YES	2742	2712
(606, 251)	14	(437, 181)	13	1	YES	YES	YES	NO	2713
(608, 235)	14	(445, 172)	13	1	YES	YES	YES	NO	2714
(611, 256)	14	(105, 44)	10	1	YES	YES	YES	NO	2715
(615, 227)	14	(19, 7)	6	1	YES	YES	NO(2)	NO	2716
(623, 241)	14	(243, 94)	12	1	YES	YES	YES	NO	2717
(628, 265)	14	(3, 1)	2	1	YES	YES	YES	NO	2718
(628, 265)	14	(282, 119)	12	2	YES	YES	YES	2750	2719
(634, 241)	14	(292, 111)	12	2	YES	YES	YES	2759	2720
(635, 132)	16	(3, 1)	2	1	YES	YES	NO(2)	NO	2721
(637, 263)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	2722
(649, 251)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	2723
(649, 251)	14	(5, 1)	4	1	YES	YES	YES	NO	2724
(658, 241)	14	(3, 1)	2	1	YES	YES	YES	NO	2725
(658, 241)	14	(5, 2)	3	1	YES	YES	YES	NO	2726
(663, 275)	15	(6, 1)	5	3	YES	YES	NO(2)	NO	2727
(675, 154)	15	(31, 7)	8	1	YES	YES	YES	NO	2728
(680, 263)	14	(3, 1)	2	1	YES	YES	YES	NO	2729
(680, 263)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	2730
(680, 287)	14	(263, 111)	12	1	YES	YES	YES	NO	2731
(681, 154)	15	(75, 17)	10	3	YES	YES	YES	NO	2732
(683, 251)	14	(166, 61)	11	1	YES	YES	YES	NO	2733
(695, 288)	14	(3, 1)	2	1	YES	YES	YES	NO	2734
(695, 202)	15	(7, 2)	4	1	YES	YES	YES	NO	2735
(697, 266)	14	(2, 1)	1	1	YES	YES	YES	NO	2736
(697, 288)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	2737
(697, 266)	14	(5, 2)	3	1	YES	YES	YES	NO	2738
(697, 266)	14	(131, 50)	10	1	YES	YES	NO(2)	NO	2739
(703, 267)	14	(129, 49)	10	1	YES	YES	NO(2)	NO	2740
(705, 268)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	2741
(705, 292)	14	(169, 70)	11	1	YES	YES	YES	2712	2742
(705, 268)	14	(413, 157)	13	1	YES	YES	YES	NO	2743
(705, 268)	14	(705, 268)	14	705	YES	YES	YES	NO	2744
(707, 274)	14	(13, 5)	5	1	YES	YES	YES	NO	2745
(715, 277)	14	(13, 5)	5	13	YES	YES	YES	NO	2746
(715, 277)	14	(302, 117)	12	1	YES	YES	YES	NO	2747
(722, 113)	18	(2, 1)	1	2	YES	YES	NO(2)	NO	2748
(722, 113)	18	(8, 1)	7	2	YES	YES	NO(2)	NO	2749
(737, 311)	14	(173, 73)	11	1	YES	YES	YES	2719	2750
(745, 313)	14	(5, 1)	4	5	YES	YES	YES	NO	2751
(745, 288)	14	(313, 121)	12	1	YES	YES	YES	NO	2752
(747, 169)	15	(75, 17)	10	3	YES	YES	YES	NO	2753
(751, 132)	17	(3, 1)	2	1	YES	YES	NO(2)	NO	2754
(751, 132)	17	(4, 1)	3	1	YES	YES	NO(2)	NO	2755
(752, 287)	14	(3, 1)	2	1	YES	YES	YES	NO	2756
(755, 292)	14	(2, 1)	1	1	YES	YES	YES	NO	2757
(755, 312)	14	(12, 5)	5	1	YES	YES	YES	NO	2758
(755, 287)	14	(171, 65)	11	1	YES	YES	YES	2720	2759
(757, 208)	15	(51, 14)	9	1	YES	YES	YES	2693	2760

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(761, 223)	15	(273, 80)	13	1	YES	YES	YES	NO	2761
(765, 317)	14	(7, 3)	4	1	YES	YES	YES	NO	2762
(772, 163)	16	(3, 1)	2	1	YES	YES	YES	NO	2763
(772, 163)	16	(9, 2)	5	1	YES	YES	YES	NO	2764
(790, 231)	15	(2, 1)	1	2	YES	YES	YES	NO	2765
(798, 143)	16	(5, 2)	3	1	YES	YES	YES	NO	2766
(802, 235)	15	(2, 1)	1	2	YES	YES	YES	NO	2767
(802, 215)	15	(138, 37)	11	2	YES	YES	YES	NO	2768
(805, 312)	14	(4, 1)	3	1	YES	YES	NO(2)	NO	2769
(809, 226)	15	(3, 1)	2	1	YES	YES	YES	NO	2770
(811, 219)	15	(4, 1)	3	1	YES	YES	YES	NO	2771
(835, 148)	17	(28, 5)	8	1	YES	YES	YES	NO	2772
(843, 322)	14	(3, 1)	2	3	YES	YES	YES	NO	2773
(843, 322)	14	(3, 1)	2	3	YES	YES	YES	NO	2774
(880, 199)	16	(199, 45)	12	1	YES	YES	YES	NO	2775
(883, 243)	15	(3, 1)	2	1	YES	YES	YES	NO	2776
(893, 246)	15	(5, 2)	3	1	YES	YES	YES	NO	2777
(893, 246)	15	(7, 2)	4	1	YES	YES	YES	NO	2778
(893, 246)	15	(236, 65)	12	1	YES	YES	YES	NO	2779
(901, 264)	15	(372, 109)	13	1	YES	YES	YES	NO	2780
(907, 265)	15	(2, 1)	1	1	YES	YES	YES	NO	2781
(908, 207)	16	(715, 163)	15	1	YES	YES	YES	NO	2782
(911, 199)	16	(206, 45)	12	1	YES	YES	YES	NO	2783
(923, 255)	15	(18, 5)	6	1	YES	YES	YES	NO	2784
(927, 256)	15	(2, 1)	1	1	YES	YES	YES	NO	2785
(937, 261)	15	(2, 1)	1	1	YES	YES	YES	NO	2786
(957, 284)	15	(17, 5)	6	1	YES	YES	NO(2)	NO	2787
(979, 222)	16	(3, 1)	2	1	YES	YES	YES	NO	2788
(994, 227)	16	(3, 1)	2	1	YES	YES	YES	NO	2789
(1013, 299)	15	(5, 1)	4	1	YES	YES	NO(2)	NO	2790
(1027, 305)	15	(4, 1)	3	1	YES	YES	NO(2)	NO	2791
(1027, 305)	15	(17, 5)	6	1	YES	YES	YES	NO	2792
(1048, 237)	16	(199, 45)	12	1	YES	YES	YES	NO	2793
(1085, 237)	16	(4, 1)	3	1	YES	YES	YES	NO	2794
(1085, 237)	16	(23, 5)	7	1	YES	YES	YES	NO	2795
(1117, 432)	15	(287, 111)	12	1	YES	YES	YES	NO	2796
(1121, 254)	16	(2, 1)	1	1	YES	YES	YES	NO	2797
(1420, 393)	16	(271, 75)	12	1	YES	YES	YES	NO	2798
$(a; 1, 0, 0; 13)$	5	(206, 47)	12	1	YES	YES	YES	NO	2799
$(a; 1, 1, 0; 19)$	6	(82, 31)	10	1	YES	YES	NO(2)	NO	2800
$(a; 2, 0, 0; 17)$	6	(73, 31)	10	1	YES	YES	NO(2)	NO	2801
$(a; 3, 0, 0; 7)$	7	(18, 7)	6	1	YES	YES	NO(3)	NO	2802
$(a; 3, 0, 0; 7)$	7	(24, 7)	7	1	YES	YES	NO(3)	NO	2803
$(a; 4, 0, 1; 37)$	9	(11, 4)	5	1	YES	YES	YES	NO	2804
$(b; 0, 0, 0; 14)$	5	(84, 37)	10	14	YES	YES	NO(2)	NO	2805
$(b; 0, 0, 0; 14)$	5	(101, 37)	10	1	YES	YES	NO(2)	NO	2806
$(b; 0, 0, 1; 4)$	6	(140, 41)	11	4	YES	YES	YES	NO	2807
$(b; 0, 1, 0; 19)$	6	(44, 17)	8	1	YES	YES	NO(2)	NO	2808
$(b; 0, 1, 0; 19)$	6	(56, 23)	9	1	YES	YES	NO(2)	NO	2809
$(b; 0, 1, 0; 19)$	6	(89, 27)	10	1	YES	YES	YES	NO	2810
$(b; 0, 2, 0; 8)$	7	(12, 5)	5	4	YES	YES	NO(2)	NO	2811
$(b; 1, 3, 3; 95)$	12	(5, 2)	3	5	YES	YES	NO(2)	NO	2812
$(b; 2, 1, 0; 7)$	8	(33, 10)	8	1	YES	YES	NO(2)	NO	2813

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(c; 0, 0, 0; 4)$	4	$(50, 23)$	10	2	YES	YES	YES	NO	2814
$(c; 0, 0, 0; 4)$	4	$(61, 22)$	9	1	YES	YES	NO(2)	NO	2815
$(c; 0, 0, 0; 4)$	4	$(95, 39)$	10	1	YES	YES	NO(2)	NO	2816
$(c; 0, 0, 0; 4)$	4	$(97, 41)$	10	1	YES	YES	NO(2)	NO	2817
$(c; 0, 0, 0; 4)$	4	$(301, 115)$	12	1	YES	YES	YES	NO	2818
$(c; 0, 1, 0; 11)$	5	$(131, 47)$	11	1	YES	YES	YES	NO	2819
$(c; 0, 1, 0; 11)$	5	$(165, 64)$	11	11	YES	YES	YES	NO	2820
$(c; 0, 1, 0; 11)$	5	$(186, 71)$	11	1	YES	YES	NO(2)	NO	2821
$(c; 0, 1, 0; 11)$	5	$(194, 75)$	11	1	YES	YES	YES	NO	2822
$(c; 0, 2, 1; 19)$	7	$(53, 14)$	9	1	YES	YES	YES	NO	2823
$(c; 0, 2, 1; 19)$	7	$(116, 25)$	11	1	YES	YES	NO(2)	NO	2824
$(d; 0, 0, 0; 5)$	5	$(53, 19)$	9	1	YES	YES	YES	NO	2825
$(d; 0, 0, 0; 5)$	5	$(165, 64)$	11	5	YES	YES	YES	NO	2826
$(d; 0, 0, 0; 5)$	5	$(199, 76)$	11	1	YES	YES	YES	NO	2827
$(d; 0, 0, 0; 5)$	5	$(203, 59)$	12	1	YES	YES	YES	NO	2828
$(d; 0, 0, 0; 5)$	5	$(257, 76)$	12	1	YES	YES	YES	NO	2829
$(d; 0, 0, 1; 14)$	6	$(60, 23)$	9	2	YES	YES	NO(2)	NO	2830
$(d; 0, 0, 1; 14)$	6	$(79, 23)$	10	1	YES	YES	NO(2)	NO	2831
$(d; 0, 0, 1; 14)$	6	$(94, 41)$	10	2	YES	YES	YES	NO	2832
$(d; 0, 0, 1; 14)$	6	$(119, 46)$	10	7	YES	YES	YES	NO	2833
$(d; 0, 2, 1; 20)$	8	$(33, 10)$	8	1	YES	YES	NO(2)	NO	2834
$(e; 0, 1, 0; 5)$	6	$(105, 31)$	10	5	YES	YES	YES	NO	2835
$(e; 1, 3, 0; 33)$	9	$(23, 5)$	7	1	YES	YES	YES	NO	2836
$(e; 4, 3, 0; 69)$	12	$(5, 2)$	3	1	YES	YES	YES	NO	2837
$(f; 0, 0, 0; 6)$	4	$(320, 57)$	14	2	YES	YES	NO(2)	NO	2838
$(g; 0, 2, 0; 29)$	8	$(23, 10)$	7	1	YES	YES	NO(2)	NO	2839
$(g; 1, 0, 2; 24)$	9	$(12, 5)$	5	12	YES	YES	NO(2)	NO	2840
$(g; 1, 0, 2; 24)$	9	$(16, 7)$	6	8	YES	YES	YES	NO	2841
$(g; 1, 0, 2; 24)$	9	$(22, 5)$	7	2	YES	YES	NO(2)	NO	2842
$(g; 2, 1, 3; 99)$	12	$(4, 1)$	3	1	YES	YES	YES	NO	2843
$(g; 2, 3, 1; 19)$	12	$(3, 1)$	2	1	YES	YES	YES	NO	2844
$(h; 0, 0, 0; 6)$	5	$(24, 11)$	8	6	YES	YES	YES	NO	2845
$(i; 0, 0, 0; 9)$	5	$(108, 29)$	10	9	YES	YES	NO(2)	NO	2846
$(i; 0, 1, 0; 12)$	6	$(65, 19)$	9	1	YES	YES	NO(2)	NO	2847
$(j; 0, 1, 0; 10)$	6	$(106, 45)$	11	2	YES	YES	NO(2)	NO	2848

2.10 2 chains, $K^2 = 5$

2 chains, $K^2 = 5$									
(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(79, 24)$	10	$(64, 27)$	9	1	YES	YES	NO(3)	NO	2849
$(251, 78)$	13	$(79, 24)$	10	1	YES	YES	NO(3)	NO	2850
$(707, 254)$	14	$(5, 2)$	3	1	YES	YES	NO(3)	NO	2851
$(707, 254)$	14	$(142, 51)$	11	1	YES	YES	NO(3)	NO	2852
$(1192, 503)$	15	$(64, 27)$	9	8	YES	YES	NO(3)	NO	2853
$(1233, 277)$	17	$(129, 29)$	12	3	YES	YES	NO(3)	NO	2854
$(e; 1, 1, 0; 23)$	7	$(101, 37)$	10	1	YES	YES	NO(3)	NO	2855
$(g; 0, 0, 0; 19)$	6	$(119, 44)$	10	1	YES	YES	NO(3)	NO	2856
$(g; 0, 0, 1; 26)$	7	$(106, 41)$	10	2	YES	YES	NO(3)	NO	2857
$(i; 0, 0, 0; 9)$	5	$(351, 80)$	13	9	YES	YES	NO(3)	NO	2858

3 $I_6 + I_3 + I_2 + I_1$

Base curves:

- $L_1 = x + z.$
- $L_2 = x + y.$
- $L_3 = y + z.$
- $x.$
- $y.$
- $z.$
- $C = xy + xz + yz$
- $L = x + y + z$

Fibration given by pencil

$$F_\lambda = L_1 L_2 L_3 + \lambda xyz$$

Nine exceptionals are as follows:

- $E_1 - E_2$ at $z \cap x \cap L_1 = [0, 1, 0].$
- $E_3 - E_4$ at $x \cap y \cap L_2 = [0, 0, 1].$
- $E_5 - E_6$ at $y \cap z \cap L_3 = [1, 0, 0].$
- E_7 at $y \cap L_1 = [-1, 0, 1].$
- E_8 at $x \cap L_3 = [0, -1, 1].$
- E_9 at $z \cap L_2 = [-1, 1, 0].$

Singular fibers are as follows:

- $\lambda = \infty$: I_6 fiber given by z, E_1, x, E_3, y, E_5 in order.
- $\lambda = 0$: I_3 fiber given by $L_1, L_2, L_3.$
- $\lambda = 1$: I_2 fiber given by C and $L.$
- $\lambda = -8$: I_1 fiber called F_1 with node at $[1, 1, 1].$

Special curves:

- $S = x + y - 2z$, double section through $[-1, 1, 0]$ and $[1, 1, 1]$

Input: Result:

4 $2I_5 + 2I_1$

(3886 examples from 37715968 tests)

Base curves:

- $x.$
- $y.$
- $z.$

- $A = x + z$.
- $B = x + y + z$.
- $C = x + y$.

Fibration given by pencil

$$F_\lambda = ABC + \lambda xyz$$

Nine exceptionals are as follows:

- $E_1 - E_2$ at $y \cap A \cap B = [-1, 0, 1]$.
- $E_3 - E_4$ at $x \cap y \cap C = [0, 0, 1]$.
- $E_5 - E_6$ at $z \cap B \cap C = [-1, 1, 0]$.
- $E_7 - E_8$ at $x \cap z \cap A = [0, 1, 0]$.
- E_9 at $x \cap B = [0, -1, 1]$.

Singular fibers are as follows:

- $\lambda = \infty$: I_5 fiber given by x, E_3, y, z, E_7 in order.
- $\lambda = 0$: I_5 fiber given by A, C, E_5, B, E_1 in order.
- $\lambda = \frac{-11 + 5\sqrt{5}}{2}$: I_1 fiber called F_1 with node at $[-1 - \sqrt{5}, 2, 2]$.
- $\lambda = \frac{-11 - 5\sqrt{5}}{2}$: I_1 fiber called F_2 with node at $[-1 + \sqrt{5}, 2, 2]$.

Special curves:

- $S = 2x - (-1 - \sqrt{5})y$, double section through $[0, 0, 1]$ and $[-1 - \sqrt{5}, 2, 2]$.
- $R = y - z$, triple section through $y \cap z, A \cap C$ and both nodes of I_1 's.
- $Q = x^2 + x - y$, triple section through $y \cap A \cap B$ (tangent with B), $x \cap y \cap C$, $x \cap z \cap A$ (tangent with z), and both nodes of I_1 's.
- $T = y + z$, double section through $[1, 0, 0]$ and $[0, -1, 1]$.

Input:

```

1
2 Output: jsonl/5511_
3 Summary_Output: summary/5511_
4 Summary_Style: LaTeX_Table
5
6 Single_Chain: Y
7 Double_Chain: Y
8 Single_QHD: Y
9 Double_QHD: Y
10 Keep_First: global
11 Search_For: 1 2 3 4 5 6 7 8 9
12
13 Nef_Check: print
14 Effective_Check: print
15 Obstruction_Check: print
16
17 Summary_Include_GCD: Y
18
19 Threads: 4
20
21 Tests: 6

```

```

22
23 Fibers:
24   I5 Fix Fix Fix Dis Dis Dis
25     X E_3 Y Z E_7
26   I5 Fix Dis Dis Fix Fix Dis
27     A C E_5 B E_1
28   I1 Try Fix Ign Fix Ign Fix
29     F_1
30   I1 Try Try Fix Try Fix Fix
31     F_2
32 Name:
33   G_1 Try
34     F_1 F_1
35   G_2 Try
36     F_2 F_2
37 Sections:
38   E_2 Try
39     E_1 Y F_1 F_2
40   E_4 Try
41     E_3 C F_1 F_2
42   E_6 Try
43     E_5 Z F_1 F_2
44   E_8 Try
45     E_7 A F_1 F_2
46   E_9 Try
47     X B F_1 F_2
48 DoubleSections:
49   S Try
50     Z E_3 A B G_1 F_2 F_2
51 Sections(1):
52   R Try
53     Y Z X A C B F_1 G_1 F_2 G_2
54   Q Try
55     C B E_1 E_3 Z E_7 G_1 F_1 G_2 F_2
56 Merge:
57   P_1 Try
58     Y Z R
59   P_2 Try
60     A C R
61   P_3 Try
62     B E_1 Q
63   P_4 Try
64     Z E_7 Q
65 Sections(0):
66   T Try
67     P_1 A C F_1 F_1 F_2 F_2 E_9 Q Q

```

Result:

4.1 1 chain, $K^2 = 1$

1 chain, $K^2 = 1$					
(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(13, 9)	6	YES	YES	YES	1
(13, 10)	6	YES	YES	YES	2
(16, 5)	7	YES	YES	YES	3
(16, 9)	6	YES	YES	YES	4
(17, 7)	6	YES	YES	YES	5
(19, 5)	7	YES	YES	YES	6
(19, 8)	6	YES	YES	YES	7
(21, 5)	8	YES	YES	YES	8
(24, 5)	8	YES	YES	YES	9
(26, 7)	7	YES	YES	YES	10
$(a; 1, 0, 0; 13)$	5	YES	YES	YES	11

4.2 1 chain, $K^2 = 2$

1 chain, $K^2 = 2$					
(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(34, 21)	7	YES	YES	YES	12
(37, 20)	9	YES	YES	YES	13
(37, 24)	9	YES	YES	YES	14
(39, 23)	8	YES	YES	YES	15
(39, 25)	8	YES	YES	YES	16
(41, 13)	10	YES	YES	YES	17
(41, 24)	8	YES	YES	YES	18
(41, 25)	8	YES	YES	YES	19
(41, 26)	8	YES	YES	YES	20
(42, 23)	9	YES	YES	YES	21
(43, 24)	9	YES	YES	YES	22
(44, 17)	8	YES	YES	YES	23
(45, 19)	8	YES	YES	YES	24
(46, 19)	8	YES	YES	YES	25
(48, 17)	9	YES	YES	YES	26
(49, 13)	9	YES	YES	YES	27
(49, 15)	9	YES	YES	YES	28
(49, 18)	8	YES	YES	YES	29
(49, 19)	8	YES	YES	YES	30
(49, 20)	9	YES	YES	YES	31
(49, 22)	9	YES	YES	YES	32
(51, 20)	9	YES	YES	YES	33
(51, 23)	9	YES	YES	YES	34
(52, 19)	9	YES	YES	YES	35
(53, 19)	9	YES	YES	YES	36
(55, 16)	9	YES	YES	YES	37
(59, 23)	9	YES	YES	YES	38
(62, 23)	9	YES	YES	YES	39
(64, 23)	9	YES	YES	YES	40
(65, 24)	9	YES	YES	YES	41
(67, 41)	9	YES	YES	YES	42
(71, 15)	10	YES	YES	YES	43
(71, 44)	9	YES	YES	YES	44
(72, 13)	12	YES	YES	YES	45
(75, 22)	10	YES	YES	YES	46
(76, 13)	12	YES	YES	YES	47
(76, 29)	9	YES	YES	YES	48
(79, 14)	11	YES	YES	YES	49
(79, 22)	10	YES	YES	YES	50
(79, 30)	9	YES	YES	YES	51
(81, 31)	9	YES	YES	YES	52
(85, 52)	10	YES	YES	YES	53
(89, 17)	12	YES	YES	YES	54
(92, 35)	10	YES	YES	YES	55
(95, 36)	10	YES	YES	YES	56
(99, 17)	12	YES	YES	YES	57
(101, 16)	13	YES	YES	YES	58
(105, 31)	10	YES	YES	YES	59
$(a; 3, 0, 1; 31)$	8	YES	YES	YES	60
$(b; 0, 3, 0; 29)$	8	YES	YES	YES	61

(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
$(b; 1, 1, 0; 27)$	7	YES	YES	YES	62
$(c; 0, 2, 2; 6)$	8	YES	YES	YES	63
$(c; 0, 3, 1; 23)$	8	YES	YES	YES	64
$(c; 0, 3, 2; 29)$	9	YES	YES	YES	65
$(d; 0, 1, 2; 11)$	8	YES	YES	YES	66
$(d; 0, 1, 3; 27)$	9	YES	YES	YES	67
$(d; 0, 2, 2; 13)$	9	YES	YES	YES	68
$(e; 0, 3, 0; 7)$	8	YES	YES	YES	69
$(i; 0, 3, 0; 18)$	8	YES	YES	YES	70

4.3 1 chain, $K^2 = 3$

1 chain, $K^2 = 3$					
(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(67, 26)	9	YES	YES	NO(2)	71
(71, 21)	9	YES	YES	YES	72
(73, 33)	10	YES	YES	NO(3)	73
(79, 29)	9	YES	YES	NO(2)	74
(82, 37)	10	YES	YES	NO(3)	75
(83, 34)	10	YES	YES	NO(2)	76
(85, 36)	10	YES	YES	NO(2)	77
(89, 26)	10	YES	YES	YES	78
(91, 64)	10	YES	YES	NO(2)	79
(93, 26)	10	YES	YES	YES	80
(94, 55)	10	YES	YES	NO(2)	81
(97, 56)	10	YES	YES	NO(2)	82
(97, 61)	10	YES	YES	YES	83
(98, 41)	10	YES	YES	YES	84
(100, 37)	10	YES	YES	YES	85
(100, 41)	10	YES	YES	NO(2)	86
(100, 69)	11	YES	YES	YES	87
(101, 64)	10	YES	YES	NO(2)	88
(103, 47)	12	YES	YES	YES	89
(107, 41)	10	YES	YES	YES	90
(108, 41)	10	YES	YES	YES	91
(111, 46)	10	YES	YES	YES	92
(113, 42)	11	YES	YES	YES	93
(113, 49)	11	YES	YES	YES	94
(116, 51)	11	YES	YES	YES	95
(128, 49)	10	YES	YES	YES	96
(130, 47)	11	YES	YES	YES	97
(132, 47)	12	YES	YES	YES	98
(133, 48)	11	YES	YES	YES	99
(147, 104)	11	YES	YES	YES	100
(151, 32)	12	YES	YES	YES	101
(151, 62)	11	YES	YES	YES	102
(152, 55)	12	YES	YES	YES	103
(160, 67)	11	YES	YES	NO(2)	104
(175, 41)	12	YES	YES	NO(2)	105
(192, 73)	11	YES	YES	YES	106
(199, 74)	12	YES	YES	YES	107
(201, 37)	14	YES	YES	YES	108
(203, 59)	12	YES	YES	NO(3)	109

(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(205, 78)	12	YES	YES	YES	110
(207, 79)	11	YES	YES	YES	111
(212, 93)	12	YES	YES	YES	112
(215, 63)	12	YES	YES	YES	113
(223, 98)	12	YES	YES	YES	114
(227, 88)	12	YES	YES	YES	115
(229, 87)	12	YES	YES	YES	116
(231, 83)	12	YES	YES	YES	117
(239, 105)	12	YES	YES	YES	118
(246, 73)	12	YES	YES	YES	119
(246, 91)	12	YES	YES	YES	120
(246, 95)	12	YES	YES	YES	121
(251, 74)	13	YES	YES	YES	122
(253, 106)	12	YES	YES	YES	123
(254, 75)	12	YES	YES	YES	124
(256, 75)	12	YES	YES	YES	125
(259, 76)	13	YES	YES	YES	126
(263, 78)	13	YES	YES	YES	127
(269, 78)	13	YES	YES	YES	128
(269, 104)	12	YES	YES	YES	129
(271, 84)	13	YES	YES	YES	130
(271, 112)	12	YES	YES	YES	131
(273, 76)	13	YES	YES	YES	132
(274, 115)	12	YES	YES	YES	133
(280, 107)	12	YES	YES	YES	134
(286, 105)	12	YES	YES	YES	135
(288, 119)	12	YES	YES	YES	136
(292, 85)	13	YES	YES	YES	137
(293, 123)	12	YES	YES	YES	138
(295, 87)	13	YES	YES	YES	139
(305, 112)	12	YES	YES	YES	140
(307, 119)	12	YES	YES	YES	141
(309, 92)	13	YES	YES	YES	142
(313, 86)	13	YES	YES	YES	143
(313, 121)	12	YES	YES	YES	144
(317, 121)	12	YES	YES	YES	145
(320, 93)	13	YES	YES	YES	146
(321, 94)	13	YES	YES	YES	147
(323, 94)	13	YES	YES	YES	148
(325, 74)	14	YES	YES	YES	149
(326, 71)	14	YES	YES	YES	150
(326, 99)	13	YES	YES	YES	151
(338, 129)	12	YES	YES	YES	152
(339, 100)	13	YES	YES	YES	153
(341, 100)	13	YES	YES	YES	154
(343, 131)	12	YES	YES	YES	155
(344, 95)	13	YES	YES	YES	156
(353, 97)	13	YES	YES	YES	157
(359, 100)	13	YES	YES	YES	158
(365, 108)	13	YES	YES	YES	159
(373, 104)	13	YES	YES	YES	160
(376, 105)	13	YES	YES	YES	161
(382, 87)	14	YES	YES	YES	162

(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(393, 116)	13	YES	YES	YES	163
(397, 116)	13	YES	YES	YES	164
(398, 111)	13	YES	YES	YES	165
(401, 111)	13	YES	YES	YES	166
(409, 121)	13	YES	YES	YES	167
(413, 121)	13	YES	YES	YES	168
(464, 105)	14	YES	YES	YES	169
(487, 111)	14	YES	YES	YES	170
(495, 92)	15	YES	YES	YES	171
$(b; 0, 2, 3; 6)$	10	YES	YES	YES	172
$(e; 3, 2, 0; 16)$	10	YES	YES	YES	173

4.4 1 chain, $K^2 = 4$

1 chain, $K^2 = 4$					
(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(158, 97)	11	YES	YES	NO(2)	174
(202, 83)	12	YES	YES	NO(2)	175
(331, 119)	13	YES	YES	YES	176
(404, 169)	13	YES	YES	NO(3)	177
(445, 72)	18	YES	YES	YES	178
(448, 277)	13	YES	YES	YES	179
(459, 194)	14	YES	YES	YES	180
(487, 186)	13	YES	YES	YES	181
(535, 158)	14	YES	YES	YES	182
(539, 159)	14	YES	YES	YES	183
(573, 217)	14	YES	YES	YES	184
(577, 239)	14	YES	YES	YES	185
(597, 176)	15	YES	YES	YES	186
(605, 183)	15	YES	YES	YES	187
(611, 237)	14	YES	YES	YES	188
(622, 257)	14	YES	YES	YES	189
(631, 231)	15	YES	YES	YES	190
(647, 246)	14	YES	YES	YES	191
(647, 271)	14	YES	YES	YES	192
(649, 240)	14	YES	YES	YES	193
(673, 196)	15	YES	YES	YES	194
(685, 253)	14	YES	YES	YES	195
(694, 305)	15	YES	YES	YES	196
(697, 266)	14	YES	YES	YES	197
(708, 209)	14	YES	YES	YES	198
(745, 288)	14	YES	YES	YES	199
(755, 312)	14	YES	YES	YES	200
(780, 323)	15	YES	YES	YES	201
(818, 239)	15	YES	YES	NO(2)	202
(853, 313)	15	YES	YES	YES	203
(875, 363)	15	YES	YES	YES	204
(881, 326)	15	YES	YES	YES	205
(882, 337)	14	YES	YES	YES	206
(907, 264)	15	YES	YES	YES	207
(941, 264)	15	YES	YES	YES	208
(997, 295)	15	YES	YES	YES	209
(1027, 305)	15	YES	YES	YES	210

(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(1037, 278)	16	YES	YES	YES	211
(1047, 307)	16	YES	YES	YES	212
(1173, 266)	17	YES	YES	YES	213
(1193, 273)	16	YES	YES	NO(2)	214
(1415, 593)	16	YES	YES	YES	215
(1515, 443)	16	YES	YES	YES	216
(1565, 436)	17	YES	YES	YES	217
(1663, 487)	17	YES	YES	YES	218
(1696, 473)	16	YES	YES	YES	219
(1933, 438)	17	YES	YES	YES	220
(2204, 503)	17	YES	YES	YES	221
$(b; 4, 0, 4; 110)$	13	YES	YES	YES	222

4.5 1 chain, $K^2 = 5$

1 chain, $K^2 = 5$					
(n, a)	Length	Nef	\mathbb{Q} -ef	Obstruction 0	Index
(1435, 403)	16	YES	YES	NO(3)	223
(1953, 544)	17	YES	YES	NO(3)	224

4.6 2 chains, $K^2 = 1$

2 chains, $K^2 = 1$									
(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(6, 1)	5	(5, 2)	3	1	YES	YES	YES	NO	225
(6, 1)	5	(5, 2)	3	1	YES	YES	YES	NO	226
(7, 3)	4	(5, 1)	4	1	YES	YES	YES	NO	227
(7, 3)	4	(5, 1)	4	1	YES	YES	YES	NO	228
(7, 3)	4	(7, 2)	4	7	YES	YES	YES	NO	229
(7, 3)	4	(7, 2)	4	7	YES	YES	YES	NO	230
(7, 3)	4	(7, 2)	4	7	YES	YES	YES	NO	231
(7, 3)	4	(7, 3)	4	7	YES	YES	YES	NO	232
(8, 3)	4	(7, 3)	4	1	YES	YES	YES	NO	233
(8, 3)	4	(7, 3)	4	1	YES	YES	YES	NO	234
(8, 3)	4	(7, 3)	4	1	YES	YES	YES	NO	235
(9, 2)	5	(4, 1)	3	1	YES	YES	YES	NO	236
(9, 2)	5	(4, 1)	3	1	YES	YES	YES	NO	237
(9, 4)	5	(4, 1)	3	1	YES	YES	YES	NO	238
(9, 4)	5	(4, 1)	3	1	YES	YES	YES	NO	239
(9, 2)	5	(5, 1)	4	1	YES	YES	YES	NO	240
(9, 2)	5	(5, 1)	4	1	YES	YES	YES	NO	241
(9, 2)	5	(5, 1)	4	1	YES	YES	YES	NO	242
(9, 4)	5	(5, 2)	3	1	YES	YES	YES	NO	243
(9, 2)	5	(7, 3)	4	1	YES	YES	YES	NO	244
(9, 2)	5	(7, 3)	4	1	YES	YES	YES	NO	245
(9, 4)	5	(7, 2)	4	1	YES	YES	YES	NO	246
(9, 4)	5	(8, 3)	4	1	YES	YES	YES	294	247
(10, 3)	5	(5, 2)	3	5	YES	YES	YES	NO	248
(11, 2)	6	(2, 1)	1	1	YES	YES	YES	NO	249
(11, 3)	5	(2, 1)	1	1	YES	YES	YES	NO	250
(11, 4)	5	(3, 1)	2	1	YES	YES	YES	NO	251

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(11, 4)	5	(3, 1)	2	1	YES	YES	YES	NO	252
(11, 5)	6	(3, 1)	2	1	YES	YES	YES	NO	253
(11, 5)	6	(3, 1)	2	1	YES	YES	YES	NO	254
(11, 3)	5	(4, 1)	3	1	YES	YES	YES	NO	255
(11, 3)	5	(4, 1)	3	1	YES	YES	YES	NO	256
(11, 3)	5	(4, 1)	3	1	YES	YES	YES	NO	257
(11, 4)	5	(4, 1)	3	1	YES	YES	YES	NO	258
(11, 4)	5	(4, 1)	3	1	YES	YES	YES	NO	259
(11, 5)	6	(4, 1)	3	1	YES	YES	YES	NO	260
(11, 5)	6	(4, 1)	3	1	YES	YES	YES	NO	261
(11, 5)	6	(4, 1)	3	1	YES	YES	YES	NO	262
(11, 2)	6	(5, 1)	4	1	YES	YES	YES	NO	263
(11, 2)	6	(5, 1)	4	1	YES	YES	YES	NO	264
(11, 2)	6	(5, 1)	4	1	YES	YES	YES	NO	265
(11, 3)	5	(5, 2)	3	1	YES	YES	YES	NO	266
(11, 3)	5	(5, 2)	3	1	YES	YES	YES	NO	267
(11, 4)	5	(5, 2)	3	1	YES	YES	YES	288	268
(11, 4)	5	(5, 2)	3	1	YES	YES	YES	NO	269
(11, 5)	6	(5, 1)	4	1	YES	YES	YES	NO	270
(11, 5)	6	(5, 1)	4	1	YES	YES	YES	NO	271
(11, 5)	6	(5, 2)	3	1	YES	YES	YES	NO	272
(11, 5)	6	(5, 2)	3	1	YES	YES	YES	NO	273
(11, 5)	6	(6, 1)	5	1	YES	YES	YES	NO	274
(11, 5)	6	(6, 1)	5	1	YES	YES	YES	NO	275
(11, 5)	6	(7, 3)	4	1	YES	YES	YES	292	276
(11, 4)	5	(8, 3)	4	1	YES	YES	YES	NO	277
(11, 2)	6	(9, 4)	5	1	YES	YES	YES	NO	278
(11, 5)	6	(9, 4)	5	1	YES	YES	YES	NO	279
(11, 4)	5	(11, 4)	5	11	YES	YES	YES	NO	280
(11, 5)	6	(11, 5)	6	11	YES	YES	YES	NO	281
(12, 5)	5	(3, 1)	2	3	YES	YES	YES	NO	282
(12, 5)	5	(3, 1)	2	3	YES	YES	YES	NO	283
(12, 5)	5	(3, 1)	2	3	YES	YES	YES	NO	284
(13, 5)	5	(2, 1)	1	1	YES	YES	YES	NO	285
(13, 5)	5	(3, 1)	2	1	YES	YES	YES	NO	286
(13, 5)	5	(3, 1)	2	1	YES	YES	YES	NO	287
(13, 5)	5	(3, 1)	2	1	YES	YES	YES	268	288
(13, 3)	6	(11, 3)	5	1	YES	YES	YES	NO	289
(14, 3)	6	(5, 1)	4	1	NO	YES	YES	NO	290
(15, 4)	6	(4, 1)	3	1	NO	YES	YES	NO	291
(16, 7)	6	(2, 1)	1	2	YES	YES	YES	276	292
(16, 5)	7	(3, 1)	2	1	YES	YES	YES	NO	293
(16, 7)	6	(3, 1)	2	1	YES	YES	YES	247	294
(16, 3)	7	(5, 1)	4	1	NO	YES	YES	NO	295
(16, 3)	7	(5, 1)	4	1	NO	YES	YES	NO	296
(16, 7)	6	(5, 1)	4	1	YES	YES	YES	NO	297
(16, 7)	6	(5, 1)	4	1	YES	YES	YES	NO	298
(16, 7)	6	(5, 1)	4	1	YES	YES	YES	NO	299
(16, 5)	7	(7, 1)	6	1	YES	YES	YES	NO	300
(16, 7)	6	(7, 3)	4	1	YES	YES	YES	NO	301
(16, 7)	6	(9, 4)	5	1	YES	YES	YES	NO	302
(16, 5)	7	(13, 4)	6	1	YES	YES	YES	NO	303
(17, 7)	6	(2, 1)	1	1	YES	YES	YES	NO	304

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(19, 8)	6	(2, 1)	1	1	YES	YES	YES	NO	305
(19, 8)	6	(2, 1)	1	1	NO	YES	YES	NO	306
(19, 5)	7	(4, 1)	3	1	YES	YES	YES	NO	307
(19, 5)	7	(7, 1)	6	1	YES	YES	YES	NO	308
(19, 4)	7	(11, 2)	6	1	YES	YES	YES	NO	309
(19, 5)	7	(11, 3)	5	1	YES	YES	YES	318	310
(20, 9)	7	(2, 1)	1	2	NO	YES	YES	NO	311
(21, 5)	8	(4, 1)	3	1	YES	YES	YES	NO	312
(23, 10)	7	(2, 1)	1	1	NO	YES	YES	NO	313
(24, 5)	8	(5, 1)	4	1	YES	YES	YES	NO	314
(24, 5)	8	(7, 1)	6	1	YES	YES	YES	NO	315
(24, 5)	8	(19, 4)	7	1	YES	YES	YES	NO	316
(25, 9)	7	(2, 1)	1	1	NO	YES	YES	NO	317
(26, 7)	7	(4, 1)	3	2	YES	YES	YES	310	318
$(a; 1, 0, 0; 13)$	5	(2, 1)	1	1	YES	YES	YES	NO	319
$(a; 2, 0, 0; 17)$	6	(5, 1)	4	1	YES	YES	YES	NO	320
$(c; 0, 1, 1; 5)$	6	(2, 1)	1	1	YES	YES	YES	NO	321
$(c; 0, 2, 0; 7)$	6	(2, 1)	1	1	YES	YES	YES	NO	322
$(f; 0, 0, 0; 6)$	4	(4, 1)	3	2	YES	YES	YES	NO	323
$(f; 0, 0, 0; 6)$	4	(5, 2)	3	1	YES	YES	YES	NO	324
$(f; 0, 0, 0; 6)$	4	(7, 3)	4	1	YES	YES	YES	NO	325
$(f; 0, 0, 0; 6)$	4	(9, 2)	5	3	YES	YES	YES	NO	326
$(f; 0, 1, 0; 7)$	5	(3, 1)	2	1	YES	YES	YES	NO	327
$(f; 0, 1, 0; 7)$	5	(4, 1)	3	1	YES	YES	YES	NO	328
$(f; 0, 1, 0; 7)$	5	(5, 1)	4	1	YES	YES	YES	NO	329
$(j; 0, 0, 0; 8)$	5	(3, 1)	2	1	YES	YES	YES	NO	330
$(j; 0, 0, 0; 8)$	5	(5, 1)	4	1	YES	YES	YES	NO	331

4.7 2 chains, $K^2 = 2$

2 chains, $K^2 = 2$									
(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(11, 4)	5	(7, 3)	4	1	YES	YES	NO(2)	NO	332
(11, 3)	5	(9, 4)	5	1	YES	YES	YES	NO	333
(11, 5)	6	(9, 2)	5	1	YES	YES	YES	NO	334
(11, 5)	6	(9, 2)	5	1	YES	YES	YES	NO	335
(11, 5)	6	(9, 2)	5	1	YES	YES	YES	NO	336
(11, 5)	6	(10, 3)	5	1	YES	YES	YES	NO	337
(11, 5)	6	(11, 3)	5	11	YES	YES	YES	NO	338
(11, 5)	6	(11, 3)	5	11	YES	YES	YES	NO	339
(11, 5)	6	(11, 3)	5	11	YES	YES	YES	NO	340
(11, 5)	6	(11, 5)	6	11	YES	YES	YES	NO	341
(12, 5)	5	(7, 3)	4	1	YES	YES	NO(2)	NO	342
(12, 5)	5	(9, 4)	5	3	YES	YES	NO(2)	NO	343
(12, 5)	5	(10, 3)	5	2	YES	YES	YES	NO	344
(12, 5)	5	(11, 3)	5	1	YES	YES	YES	NO	345
(12, 5)	5	(11, 4)	5	1	YES	YES	NO(2)	NO	346
(13, 5)	5	(7, 3)	4	1	YES	YES	NO(2)	NO	347
(13, 4)	6	(8, 3)	4	1	YES	YES	YES	NO	348
(13, 3)	6	(9, 4)	5	1	YES	YES	YES	NO	349
(13, 3)	6	(9, 4)	5	1	YES	YES	YES	NO	350
(13, 3)	6	(9, 4)	5	1	YES	YES	YES	NO	351
(13, 4)	6	(9, 4)	5	1	YES	YES	YES	NO	352

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(13, 5)	5	(9, 4)	5	1	YES	YES	NO(2)	NO	353
(13, 5)	5	(10, 3)	5	1	YES	YES	YES	NO	354
(13, 5)	5	(12, 5)	5	1	YES	YES	YES	NO	355
(14, 5)	6	(7, 2)	4	7	YES	YES	YES	NO	356
(14, 5)	6	(7, 2)	4	7	YES	YES	YES	NO	357
(14, 5)	6	(9, 2)	5	1	YES	YES	YES	NO	358
(14, 5)	6	(9, 2)	5	1	YES	YES	YES	NO	359
(14, 5)	6	(10, 3)	5	2	YES	YES	YES	NO	360
(15, 4)	6	(5, 1)	4	5	YES	YES	YES	NO	361
(15, 4)	6	(9, 4)	5	3	YES	YES	YES	NO	362
(15, 4)	6	(12, 5)	5	3	YES	YES	YES	NO	363
(16, 5)	7	(7, 3)	4	1	YES	YES	YES	NO	364
(16, 7)	6	(7, 3)	4	1	YES	YES	YES	NO	365
(16, 5)	7	(9, 4)	5	1	YES	YES	YES	NO	366
(16, 5)	7	(9, 4)	5	1	YES	YES	YES	NO	367
(16, 7)	6	(9, 4)	5	1	YES	YES	YES	NO	368
(16, 3)	7	(11, 5)	6	1	YES	YES	YES	NO	369
(16, 7)	6	(11, 4)	5	1	YES	YES	YES	419	370
(16, 5)	7	(12, 5)	5	4	YES	YES	YES	NO	371
(16, 5)	7	(12, 5)	5	4	YES	YES	YES	NO	372
(16, 7)	6	(13, 4)	6	1	YES	YES	YES	NO	373
(17, 5)	6	(7, 3)	4	1	YES	YES	NO(2)	NO	374
(17, 5)	6	(7, 3)	4	1	YES	YES	YES	NO	375
(17, 5)	6	(8, 3)	4	1	YES	YES	YES	NO	376
(17, 5)	6	(8, 3)	4	1	YES	YES	YES	NO	377
(17, 6)	7	(9, 2)	5	1	YES	YES	YES	NO	378
(17, 6)	7	(9, 4)	5	1	YES	YES	YES	NO	379
(17, 6)	7	(9, 4)	5	1	YES	YES	YES	NO	380
(17, 7)	6	(9, 2)	5	1	YES	YES	YES	NO	381
(17, 7)	6	(10, 3)	5	1	YES	YES	YES	NO	382
(17, 7)	6	(10, 3)	5	1	YES	YES	YES	NO	383
(17, 3)	7	(11, 5)	6	1	YES	YES	YES	NO	384
(17, 3)	7	(11, 5)	6	1	YES	YES	YES	NO	385
(17, 6)	7	(11, 5)	6	1	YES	YES	YES	NO	386
(17, 7)	6	(11, 3)	5	1	YES	YES	YES	NO	387
(17, 7)	6	(11, 5)	6	1	YES	YES	YES	NO	388
(17, 5)	6	(13, 5)	5	1	YES	YES	YES	NO	389
(17, 5)	6	(13, 5)	5	1	YES	YES	YES	NO	390
(17, 7)	6	(17, 5)	6	17	YES	YES	YES	NO	391
(18, 5)	6	(7, 3)	4	1	YES	YES	YES	NO	392
(18, 5)	6	(7, 3)	4	1	YES	YES	YES	NO	393
(18, 7)	6	(7, 3)	4	1	YES	YES	YES	NO	394
(18, 5)	6	(8, 3)	4	2	YES	YES	YES	NO	395
(18, 5)	6	(8, 3)	4	2	YES	YES	YES	NO	396
(18, 7)	6	(9, 2)	5	9	YES	YES	YES	NO	397
(18, 7)	6	(9, 2)	5	9	YES	YES	YES	NO	398
(18, 7)	6	(9, 4)	5	9	YES	YES	YES	NO	399
(18, 7)	6	(9, 4)	5	9	YES	YES	YES	NO	400
(18, 7)	6	(11, 3)	5	1	YES	YES	YES	NO	401
(18, 7)	6	(11, 3)	5	1	YES	YES	YES	NO	402
(18, 5)	6	(13, 4)	6	1	YES	YES	YES	NO	403
(18, 5)	6	(13, 5)	5	1	YES	YES	YES	NO	404
(18, 7)	6	(15, 4)	6	3	YES	YES	YES	NO	405

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(18, 7)	6	(15, 4)	6	3	YES	YES	YES	NO	406
(18, 7)	6	(16, 7)	6	2	YES	YES	YES	NO	407
(18, 5)	6	(17, 7)	6	1	YES	YES	YES	NO	408
(18, 7)	6	(17, 4)	7	1	YES	YES	YES	NO	409
(18, 7)	6	(17, 4)	7	1	YES	YES	YES	NO	410
(18, 7)	6	(18, 5)	6	18	YES	YES	YES	NO	411
(18, 7)	6	(18, 5)	6	18	YES	YES	YES	NO	412
(19, 8)	6	(5, 2)	3	1	YES	YES	YES	NO	413
(19, 7)	6	(7, 3)	4	1	YES	YES	YES	NO	414
(19, 7)	6	(7, 3)	4	1	YES	YES	YES	NO	415
(19, 8)	6	(7, 3)	4	1	YES	YES	YES	NO	416
(19, 4)	7	(9, 4)	5	1	YES	YES	YES	NO	417
(19, 4)	7	(9, 4)	5	1	YES	YES	YES	NO	418
(19, 7)	6	(9, 4)	5	1	YES	YES	YES	370	419
(19, 8)	6	(9, 4)	5	1	YES	YES	YES	NO	420
(19, 7)	6	(10, 3)	5	1	YES	YES	YES	NO	421
(19, 7)	6	(10, 3)	5	1	YES	YES	YES	NO	422
(19, 8)	6	(10, 3)	5	1	YES	YES	YES	NO	423
(19, 8)	6	(10, 3)	5	1	YES	YES	YES	NO	424
(19, 4)	7	(11, 4)	5	1	YES	YES	YES	NO	425
(19, 8)	6	(11, 4)	5	1	YES	YES	YES	NO	426
(19, 8)	6	(13, 4)	6	1	YES	YES	YES	NO	427
(19, 8)	6	(13, 4)	6	1	YES	YES	YES	NO	428
(19, 7)	6	(14, 5)	6	1	YES	YES	YES	NO	429
(19, 8)	6	(15, 4)	6	1	YES	YES	YES	NO	430
(19, 8)	6	(15, 4)	6	1	YES	YES	YES	NO	431
(19, 8)	6	(15, 4)	6	1	YES	YES	YES	NO	432
(19, 4)	7	(17, 4)	7	1	YES	YES	YES	NO	433
(19, 5)	7	(17, 3)	7	1	YES	YES	YES	NO	434
(19, 7)	6	(17, 6)	7	1	YES	YES	YES	641	435
(19, 8)	6	(17, 5)	6	1	YES	YES	YES	NO	436
(19, 8)	6	(17, 7)	6	1	YES	YES	NO(2)	NO	437
(19, 7)	6	(18, 7)	6	1	YES	YES	YES	NO	438
(19, 8)	6	(18, 5)	6	1	YES	YES	YES	NO	439
(19, 8)	6	(18, 5)	6	1	YES	YES	YES	NO	440
(19, 4)	7	(19, 4)	7	19	YES	YES	YES	NO	441
(20, 9)	7	(5, 2)	3	5	YES	YES	YES	NO	442
(20, 9)	7	(5, 2)	3	5	YES	YES	YES	NO	443
(20, 9)	7	(8, 3)	4	4	YES	YES	YES	NO	444
(20, 9)	7	(16, 7)	6	4	YES	YES	YES	NO	445
(21, 8)	6	(5, 2)	3	1	YES	YES	YES	NO	446
(21, 8)	6	(5, 2)	3	1	YES	YES	YES	NO	447
(21, 8)	6	(7, 3)	4	7	YES	YES	YES	NO	448
(21, 8)	6	(7, 3)	4	7	YES	YES	YES	NO	449
(21, 8)	6	(9, 4)	5	3	YES	YES	YES	NO	450
(21, 8)	6	(10, 3)	5	1	YES	YES	YES	NO	451
(21, 8)	6	(10, 3)	5	1	YES	YES	YES	NO	452
(21, 8)	6	(11, 3)	5	1	YES	YES	YES	NO	453
(21, 8)	6	(11, 3)	5	1	YES	YES	YES	NO	454
(21, 8)	6	(12, 5)	5	3	YES	YES	YES	NO	455
(21, 8)	6	(13, 4)	6	1	YES	YES	YES	NO	456
(21, 8)	6	(15, 4)	6	3	YES	YES	YES	NO	457
(21, 8)	6	(17, 4)	7	1	YES	YES	YES	NO	458

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(21, 8)	6	(17, 4)	7	1	YES	YES	YES	NO	459
(21, 8)	6	(17, 5)	6	1	YES	YES	YES	NO	460
(21, 8)	6	(17, 5)	6	1	YES	YES	YES	NO	461
(21, 8)	6	(18, 5)	6	3	YES	YES	YES	NO	462
(21, 8)	6	(18, 7)	6	3	YES	YES	YES	NO	463
(21, 5)	8	(21, 4)	8	21	YES	YES	YES	NO	464
(22, 9)	7	(4, 1)	3	2	YES	YES	YES	NO	465
(22, 9)	7	(7, 2)	4	1	YES	YES	YES	NO	466
(22, 9)	7	(7, 2)	4	1	YES	YES	YES	NO	467
(22, 9)	7	(9, 4)	5	1	YES	YES	YES	NO	468
(22, 9)	7	(11, 2)	6	11	YES	YES	YES	NO	469
(22, 9)	7	(17, 4)	7	1	YES	YES	YES	NO	470
(22, 5)	7	(18, 7)	6	2	YES	YES	YES	NO	471
(22, 5)	7	(18, 7)	6	2	YES	YES	YES	NO	472
(22, 9)	7	(19, 4)	7	1	YES	YES	YES	NO	473
(22, 5)	7	(21, 8)	6	1	YES	YES	YES	NO	474
(23, 9)	7	(4, 1)	3	1	YES	YES	YES	NO	475
(23, 9)	7	(4, 1)	3	1	YES	YES	YES	NO	476
(23, 9)	7	(5, 2)	3	1	YES	YES	YES	NO	477
(23, 7)	7	(7, 3)	4	1	YES	YES	NO(2)	NO	478
(23, 9)	7	(7, 3)	4	1	YES	YES	YES	NO	479
(23, 9)	7	(7, 3)	4	1	YES	YES	YES	NO	480
(23, 6)	8	(9, 4)	5	1	YES	YES	YES	NO	481
(23, 9)	7	(10, 3)	5	1	YES	YES	YES	NO	482
(23, 9)	7	(10, 3)	5	1	YES	YES	YES	NO	483
(23, 9)	7	(11, 4)	5	1	YES	YES	YES	NO	484
(23, 7)	7	(12, 5)	5	1	YES	YES	YES	NO	485
(23, 4)	8	(14, 5)	6	1	YES	YES	YES	NO	486
(23, 4)	8	(14, 5)	6	1	YES	YES	YES	NO	487
(23, 5)	7	(17, 7)	6	1	YES	YES	YES	NO	488
(23, 10)	7	(18, 5)	6	1	YES	YES	YES	NO	489
(23, 5)	7	(19, 8)	6	1	YES	YES	YES	649	490
(23, 4)	8	(21, 5)	8	1	YES	YES	YES	NO	491
(23, 10)	7	(23, 5)	7	23	YES	YES	YES	NO	492
(24, 11)	8	(3, 1)	2	3	YES	YES	YES	NO	493
(24, 11)	8	(5, 1)	4	1	YES	YES	YES	NO	494
(24, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	495
(24, 5)	8	(9, 4)	5	3	YES	YES	YES	NO	496
(24, 7)	7	(10, 3)	5	2	YES	YES	YES	NO	497
(24, 7)	7	(10, 3)	5	2	YES	YES	YES	NO	498
(24, 5)	8	(11, 3)	5	1	YES	YES	YES	NO	499
(24, 5)	8	(11, 4)	5	1	YES	YES	YES	NO	500
(24, 7)	7	(11, 3)	5	1	YES	YES	YES	NO	501
(24, 7)	7	(11, 3)	5	1	YES	YES	YES	NO	502
(24, 7)	7	(11, 4)	5	1	YES	YES	YES	NO	503
(24, 7)	7	(12, 5)	5	12	YES	YES	YES	NO	504
(24, 7)	7	(12, 5)	5	12	YES	YES	YES	NO	505
(24, 7)	7	(13, 5)	5	1	YES	YES	YES	NO	506
(24, 5)	8	(21, 5)	8	3	YES	YES	YES	NO	507
(24, 7)	7	(23, 5)	7	1	YES	YES	YES	NO	508
(25, 9)	7	(3, 1)	2	1	YES	YES	YES	NO	509
(25, 9)	7	(3, 1)	2	1	YES	YES	YES	NO	510
(25, 9)	7	(4, 1)	3	1	YES	YES	YES	NO	511

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(25, 9)	7	(4, 1)	3	1	YES	YES	YES	NO	512
(25, 9)	7	(4, 1)	3	1	YES	YES	YES	NO	513
(25, 9)	7	(5, 2)	3	5	YES	YES	YES	NO	514
(25, 9)	7	(5, 2)	3	5	YES	YES	YES	NO	515
(25, 9)	7	(7, 3)	4	1	YES	YES	YES	NO	516
(25, 9)	7	(7, 3)	4	1	YES	YES	YES	NO	517
(25, 9)	7	(9, 4)	5	1	YES	YES	YES	NO	518
(25, 7)	7	(12, 5)	5	1	YES	YES	YES	NO	519
(25, 7)	7	(12, 5)	5	1	YES	YES	YES	NO	520
(25, 7)	7	(13, 5)	5	1	YES	YES	YES	NO	521
(25, 9)	7	(13, 3)	6	1	YES	YES	YES	NO	522
(25, 7)	7	(23, 7)	7	1	YES	YES	YES	NO	523
(25, 9)	7	(25, 9)	7	25	YES	YES	YES	NO	524
(26, 11)	7	(3, 1)	2	1	YES	YES	NO(2)	NO	525
(26, 11)	7	(3, 1)	2	1	YES	YES	YES	NO	526
(26, 11)	7	(4, 1)	3	2	YES	YES	NO(2)	NO	527
(26, 11)	7	(4, 1)	3	2	YES	YES	YES	NO	528
(26, 11)	7	(5, 2)	3	1	YES	YES	YES	NO	529
(26, 11)	7	(5, 2)	3	1	YES	YES	YES	NO	530
(26, 11)	7	(7, 2)	4	1	YES	YES	YES	NO	531
(26, 11)	7	(7, 2)	4	1	YES	YES	YES	NO	532
(26, 11)	7	(8, 3)	4	2	YES	YES	YES	NO	533
(26, 11)	7	(8, 3)	4	2	YES	YES	YES	837	534
(26, 7)	7	(12, 5)	5	2	YES	YES	YES	NO	535
(26, 11)	7	(12, 5)	5	2	YES	YES	NO(2)	640	536
(26, 11)	7	(13, 3)	6	13	YES	YES	YES	NO	537
(26, 11)	7	(13, 3)	6	13	YES	YES	YES	NO	538
(26, 11)	7	(14, 3)	6	2	YES	YES	YES	NO	539
(26, 11)	7	(19, 8)	6	1	YES	YES	NO(2)	NO	540
(26, 7)	7	(23, 7)	7	1	YES	YES	YES	NO	541
(26, 5)	9	(26, 5)	9	26	YES	YES	YES	NO	542
(26, 11)	7	(26, 11)	7	26	YES	YES	YES	NO	543
(27, 10)	7	(2, 1)	1	1	YES	YES	NO(2)	NO	544
(27, 10)	7	(2, 1)	1	1	YES	YES	NO(2)	NO	545
(27, 11)	8	(4, 1)	3	1	YES	YES	YES	NO	546
(27, 8)	7	(5, 2)	3	1	YES	YES	YES	NO	547
(27, 8)	7	(5, 2)	3	1	YES	YES	YES	NO	548
(27, 11)	8	(5, 1)	4	1	YES	YES	YES	NO	549
(27, 11)	8	(6, 1)	5	3	YES	YES	YES	NO	550
(27, 8)	7	(7, 3)	4	1	YES	YES	YES	NO	551
(27, 10)	7	(7, 3)	4	1	YES	YES	YES	NO	552
(27, 10)	7	(7, 3)	4	1	YES	YES	YES	NO	553
(27, 8)	7	(8, 3)	4	1	YES	YES	YES	NO	554
(27, 11)	8	(9, 4)	5	9	YES	YES	YES	NO	555
(27, 8)	7	(12, 5)	5	3	YES	YES	YES	NO	556
(27, 8)	7	(12, 5)	5	3	YES	YES	YES	NO	557
(27, 11)	8	(12, 5)	5	3	YES	YES	YES	NO	558
(27, 8)	7	(13, 5)	5	1	YES	YES	YES	NO	559
(27, 8)	7	(13, 5)	5	1	YES	YES	YES	NO	560
(27, 11)	8	(17, 7)	6	1	YES	YES	YES	755	561
(27, 11)	8	(22, 9)	7	1	YES	YES	YES	NO	562
(27, 10)	7	(23, 5)	7	1	YES	YES	YES	NO	563
(27, 10)	7	(25, 9)	7	1	YES	YES	YES	NO	564

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(28, 11)	8	(4, 1)	3	4	YES	YES	YES	NO	565
(28, 11)	8	(4, 1)	3	4	YES	YES	YES	NO	566
(28, 11)	8	(5, 1)	4	1	YES	YES	YES	NO	567
(28, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	568
(28, 11)	8	(6, 1)	5	2	YES	YES	YES	NO	569
(28, 11)	8	(6, 1)	5	2	YES	YES	YES	NO	570
(28, 11)	8	(13, 3)	6	1	YES	YES	YES	NO	571
(28, 11)	8	(13, 5)	5	1	YES	YES	YES	NO	572
(28, 11)	8	(14, 3)	6	14	YES	YES	YES	NO	573
(28, 11)	8	(16, 3)	7	4	YES	YES	YES	NO	574
(28, 11)	8	(17, 3)	7	1	YES	YES	YES	NO	575
(28, 11)	8	(18, 7)	6	2	YES	YES	YES	783	576
(28, 11)	8	(23, 9)	7	1	YES	YES	YES	NO	577
(29, 11)	7	(3, 1)	2	1	YES	YES	YES	NO	578
(29, 12)	7	(3, 1)	2	1	YES	YES	YES	NO	579
(29, 11)	7	(4, 1)	3	1	YES	YES	YES	NO	580
(29, 12)	7	(4, 1)	3	1	YES	YES	YES	NO	581
(29, 9)	8	(5, 2)	3	1	YES	YES	YES	NO	582
(29, 9)	8	(5, 2)	3	1	YES	YES	YES	NO	583
(29, 11)	7	(5, 2)	3	1	YES	YES	YES	NO	584
(29, 12)	7	(5, 2)	3	1	YES	YES	YES	NO	585
(29, 8)	7	(7, 3)	4	1	YES	YES	YES	NO	586
(29, 8)	7	(7, 3)	4	1	YES	YES	YES	NO	587
(29, 11)	7	(7, 2)	4	1	YES	YES	YES	NO	588
(29, 11)	7	(7, 3)	4	1	YES	YES	YES	NO	589
(29, 11)	7	(7, 3)	4	1	YES	YES	YES	776	590
(29, 12)	7	(7, 3)	4	1	YES	YES	YES	NO	591
(29, 8)	7	(8, 3)	4	1	YES	YES	YES	NO	592
(29, 8)	7	(8, 3)	4	1	YES	YES	YES	NO	593
(29, 8)	7	(8, 3)	4	1	YES	YES	YES	NO	594
(29, 11)	7	(10, 3)	5	1	YES	YES	YES	NO	595
(29, 12)	7	(10, 3)	5	1	YES	YES	YES	NO	596
(29, 12)	7	(10, 3)	5	1	YES	YES	YES	NO	597
(29, 8)	7	(13, 5)	5	1	YES	YES	YES	NO	598
(29, 8)	7	(13, 5)	5	1	YES	YES	YES	NO	599
(29, 11)	7	(13, 3)	6	1	YES	YES	YES	NO	600
(29, 11)	7	(13, 3)	6	1	YES	YES	YES	NO	601
(29, 11)	7	(13, 3)	6	1	YES	YES	YES	NO	602
(29, 11)	7	(13, 5)	5	1	YES	YES	YES	695	603
(29, 11)	7	(14, 3)	6	1	YES	YES	YES	NO	604
(29, 11)	7	(14, 3)	6	1	YES	YES	YES	NO	605
(29, 11)	7	(14, 3)	6	1	YES	YES	YES	NO	606
(29, 12)	7	(17, 4)	7	1	YES	YES	YES	NO	607
(29, 11)	7	(21, 8)	6	1	YES	YES	YES	NO	608
(29, 12)	7	(22, 9)	7	1	YES	YES	YES	NO	609
(29, 8)	7	(23, 5)	7	1	YES	YES	YES	NO	610
(29, 8)	7	(23, 7)	7	1	YES	YES	YES	NO	611
(29, 11)	7	(29, 11)	7	29	YES	YES	YES	NO	612
(30, 11)	7	(3, 1)	2	3	YES	YES	YES	NO	613
(30, 11)	7	(4, 1)	3	2	YES	YES	YES	NO	614
(30, 11)	7	(4, 1)	3	2	YES	YES	YES	NO	615
(30, 13)	8	(4, 1)	3	2	YES	YES	YES	NO	616
(30, 11)	7	(5, 2)	3	5	YES	YES	YES	NO	617

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(30, 11)	7	(5, 2)	3	5	YES	YES	YES	684	618
(30, 13)	8	(5, 1)	4	5	YES	YES	YES	NO	619
(30, 13)	8	(5, 1)	4	5	YES	YES	YES	NO	620
(30, 11)	7	(7, 3)	4	1	YES	YES	YES	892	621
(30, 11)	7	(7, 3)	4	1	YES	YES	YES	NO	622
(30, 11)	7	(9, 4)	5	3	YES	YES	YES	NO	623
(30, 11)	7	(10, 3)	5	10	YES	YES	YES	NO	624
(30, 11)	7	(11, 3)	5	1	YES	YES	YES	NO	625
(30, 11)	7	(30, 11)	7	30	YES	YES	YES	NO	626
(31, 13)	7	(2, 1)	1	1	YES	YES	YES	NO	627
(31, 12)	7	(3, 1)	2	1	YES	YES	YES	NO	628
(31, 13)	7	(3, 1)	2	1	YES	YES	YES	NO	629
(31, 13)	7	(3, 1)	2	1	YES	YES	YES	NO	630
(31, 13)	7	(3, 1)	2	1	YES	YES	YES	NO	631
(31, 14)	8	(3, 1)	2	1	YES	YES	YES	NO	632
(31, 14)	8	(3, 1)	2	1	YES	YES	YES	NO	633
(31, 12)	7	(4, 1)	3	1	YES	YES	YES	NO	634
(31, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	635
(31, 13)	7	(5, 2)	3	1	YES	YES	YES	NO	636
(31, 9)	8	(7, 3)	4	1	YES	YES	YES	NO	637
(31, 9)	8	(7, 3)	4	1	YES	YES	YES	NO	638
(31, 13)	7	(7, 3)	4	1	YES	YES	YES	NO	639
(31, 13)	7	(7, 3)	4	1	YES	YES	NO(2)	536	640
(31, 11)	8	(8, 3)	4	1	YES	YES	YES	435	641
(31, 12)	7	(8, 3)	4	1	YES	YES	YES	NO	642
(31, 12)	7	(9, 4)	5	1	YES	YES	YES	NO	643
(31, 9)	8	(10, 3)	5	1	YES	YES	YES	NO	644
(31, 13)	7	(10, 3)	5	1	YES	YES	YES	NO	645
(31, 9)	8	(11, 3)	5	1	YES	YES	YES	NO	646
(31, 13)	7	(11, 3)	5	1	YES	YES	YES	NO	647
(31, 13)	7	(13, 3)	6	1	YES	YES	YES	NO	648
(31, 13)	7	(14, 3)	6	1	YES	YES	YES	490	649
(31, 9)	8	(16, 3)	7	1	YES	YES	YES	NO	650
(31, 7)	8	(17, 5)	6	1	YES	YES	YES	NO	651
(31, 12)	7	(18, 7)	6	1	YES	YES	YES	NO	652
(31, 7)	8	(19, 4)	7	1	YES	YES	YES	NO	653
(31, 7)	8	(19, 7)	6	1	YES	YES	YES	NO	654
(31, 9)	8	(23, 7)	7	1	YES	YES	YES	1237	655
(32, 9)	8	(7, 3)	4	1	YES	YES	YES	NO	656
(32, 9)	8	(7, 3)	4	1	YES	YES	YES	NO	657
(32, 9)	8	(10, 3)	5	2	YES	YES	YES	NO	658
(32, 9)	8	(19, 4)	7	1	YES	YES	YES	NO	659
(32, 7)	8	(21, 5)	8	1	YES	YES	YES	NO	660
(33, 14)	8	(3, 1)	2	3	YES	YES	YES	NO	661
(33, 10)	8	(4, 1)	3	1	YES	YES	YES	NO	662
(33, 10)	8	(4, 1)	3	1	YES	YES	YES	NO	663
(33, 10)	8	(4, 1)	3	1	YES	YES	YES	NO	664
(33, 14)	8	(5, 1)	4	1	YES	YES	NO(2)	NO	665
(33, 14)	8	(6, 1)	5	3	YES	YES	YES	NO	666
(33, 14)	8	(6, 1)	5	3	YES	YES	YES	NO	667
(33, 10)	8	(7, 3)	4	1	YES	YES	YES	NO	668
(33, 14)	8	(7, 2)	4	1	YES	YES	YES	NO	669
(33, 10)	8	(10, 3)	5	1	YES	YES	YES	NO	670

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(33, 14)	8	(11, 2)	6	11	YES	YES	YES	NO	671
(33, 10)	8	(13, 4)	6	1	YES	YES	YES	717	672
(33, 10)	8	(14, 3)	6	1	YES	YES	YES	NO	673
(33, 14)	8	(19, 8)	6	1	YES	YES	NO(2)	860	674
(33, 14)	8	(26, 11)	7	1	YES	YES	YES	NO	675
(33, 14)	8	(31, 13)	7	1	YES	YES	YES	1017	676
(33, 14)	8	(33, 14)	8	33	YES	YES	YES	NO	677
(34, 9)	8	(2, 1)	1	2	YES	YES	YES	NO	678
(34, 13)	7	(2, 1)	1	2	YES	YES	YES	NO	679
(34, 13)	7	(2, 1)	1	2	YES	YES	YES	NO	680
(34, 9)	8	(3, 1)	2	1	YES	YES	YES	NO	681
(34, 9)	8	(3, 1)	2	1	YES	YES	YES	NO	682
(34, 13)	7	(3, 1)	2	1	YES	YES	YES	NO	683
(34, 13)	7	(3, 1)	2	1	YES	YES	YES	618	684
(34, 15)	8	(3, 1)	2	1	YES	YES	YES	NO	685
(34, 15)	8	(3, 1)	2	1	YES	YES	YES	NO	686
(34, 15)	8	(4, 1)	3	2	YES	YES	YES	NO	687
(34, 15)	8	(4, 1)	3	2	YES	YES	YES	NO	688
(34, 13)	7	(5, 2)	3	1	YES	YES	YES	NO	689
(34, 9)	8	(7, 3)	4	1	YES	YES	YES	NO	690
(34, 13)	7	(7, 3)	4	1	YES	YES	YES	NO	691
(34, 13)	7	(7, 3)	4	1	YES	YES	YES	NO	692
(34, 9)	8	(8, 3)	4	2	YES	YES	YES	NO	693
(34, 13)	7	(8, 3)	4	2	YES	YES	YES	NO	694
(34, 13)	7	(8, 3)	4	2	YES	YES	YES	603	695
(34, 15)	8	(8, 3)	4	2	YES	YES	YES	NO	696
(34, 13)	7	(11, 3)	5	1	YES	YES	YES	NO	697
(34, 13)	7	(11, 3)	5	1	YES	YES	YES	NO	698
(34, 15)	8	(11, 3)	5	1	YES	YES	YES	NO	699
(34, 13)	7	(13, 3)	6	1	YES	YES	YES	NO	700
(34, 13)	7	(13, 3)	6	1	YES	YES	YES	NO	701
(34, 13)	7	(13, 3)	6	1	YES	YES	YES	NO	702
(34, 13)	7	(31, 12)	7	1	YES	YES	YES	NO	703
(35, 13)	8	(4, 1)	3	1	YES	YES	YES	NO	704
(35, 13)	8	(4, 1)	3	1	YES	YES	YES	NO	705
(35, 6)	10	(5, 2)	3	5	YES	YES	YES	NO	706
(35, 6)	10	(5, 2)	3	5	YES	YES	YES	NO	707
(35, 6)	10	(9, 2)	5	1	YES	YES	YES	NO	708
(35, 8)	8	(13, 4)	6	1	YES	YES	YES	NO	709
(35, 13)	8	(14, 5)	6	7	YES	YES	YES	NO	710
(35, 8)	8	(17, 5)	6	1	YES	YES	YES	NO	711
(36, 11)	8	(2, 1)	1	2	YES	YES	YES	NO	712
(36, 11)	8	(5, 1)	4	1	YES	YES	YES	NO	713
(36, 11)	8	(5, 1)	4	1	YES	YES	YES	NO	714
(36, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	715
(36, 13)	8	(7, 3)	4	1	YES	YES	YES	NO	716
(36, 11)	8	(10, 3)	5	2	YES	YES	YES	672	717
(36, 13)	8	(10, 3)	5	2	YES	YES	YES	NO	718
(36, 11)	8	(13, 4)	6	1	YES	YES	YES	NO	719
(36, 13)	8	(14, 3)	6	2	YES	YES	YES	NO	720
(36, 11)	8	(15, 4)	6	3	YES	YES	YES	NO	721
(36, 11)	8	(27, 8)	7	9	YES	YES	YES	NO	722
(37, 11)	8	(2, 1)	1	1	YES	YES	YES	NO	723

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(37, 11)	8	(3, 1)	2	1	YES	YES	YES	NO	724
(37, 11)	8	(3, 1)	2	1	YES	YES	YES	NO	725
(37, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	726
(37, 11)	8	(5, 2)	3	1	YES	YES	YES	NO	727
(37, 16)	9	(6, 1)	5	1	YES	YES	YES	NO	728
(37, 11)	8	(7, 3)	4	1	YES	YES	YES	NO	729
(37, 16)	9	(7, 1)	6	1	YES	YES	YES	NO	730
(37, 16)	9	(7, 1)	6	1	YES	YES	YES	NO	731
(37, 11)	8	(8, 3)	4	1	YES	YES	YES	NO	732
(37, 11)	8	(11, 3)	5	1	YES	YES	YES	NO	733
(37, 11)	8	(11, 3)	5	1	YES	YES	YES	1031	734
(37, 14)	8	(11, 2)	6	1	YES	YES	YES	NO	735
(37, 14)	8	(11, 2)	6	1	YES	YES	YES	NO	736
(37, 14)	8	(11, 2)	6	1	YES	YES	YES	NO	737
(37, 10)	8	(13, 4)	6	1	YES	YES	YES	NO	738
(37, 11)	8	(13, 3)	6	1	YES	YES	YES	NO	739
(37, 11)	8	(14, 3)	6	1	YES	YES	YES	NO	740
(37, 11)	8	(15, 4)	6	1	YES	YES	YES	NO	741
(37, 11)	8	(18, 5)	6	1	YES	YES	YES	NO	742
(37, 14)	8	(29, 11)	7	1	YES	YES	YES	NO	743
(37, 16)	9	(30, 13)	8	1	YES	YES	YES	NO	744
(37, 11)	8	(31, 9)	8	1	YES	YES	YES	NO	745
(37, 10)	8	(32, 9)	8	1	YES	YES	YES	NO	746
(37, 16)	9	(37, 16)	9	37	YES	YES	YES	NO	747
(38, 11)	9	(24, 7)	7	2	YES	YES	YES	978	748
(39, 16)	8	(2, 1)	1	1	YES	YES	YES	NO	749
(39, 17)	8	(2, 1)	1	1	YES	YES	YES	NO	750
(39, 14)	8	(3, 1)	2	3	YES	YES	YES	NO	751
(39, 16)	8	(3, 1)	2	3	YES	YES	YES	NO	752
(39, 16)	8	(3, 1)	2	3	YES	YES	YES	NO	753
(39, 16)	8	(5, 1)	4	1	YES	YES	YES	NO	754
(39, 16)	8	(5, 2)	3	1	YES	YES	YES	561	755
(39, 16)	8	(7, 2)	4	1	YES	YES	YES	NO	756
(39, 14)	8	(8, 3)	4	1	YES	YES	YES	897	757
(39, 14)	8	(13, 3)	6	13	YES	YES	YES	NO	758
(39, 17)	8	(13, 5)	5	13	YES	YES	YES	NO	759
(39, 16)	8	(19, 8)	6	1	YES	YES	YES	NO	760
(39, 17)	8	(34, 15)	8	1	YES	YES	YES	NO	761
(40, 11)	8	(5, 2)	3	5	YES	YES	YES	NO	762
(40, 11)	8	(7, 3)	4	1	YES	YES	YES	NO	763
(40, 11)	8	(10, 3)	5	10	YES	YES	YES	1001	764
(40, 9)	9	(11, 4)	5	1	YES	YES	YES	NO	765
(40, 11)	8	(17, 5)	6	1	YES	YES	YES	NO	766
(41, 15)	8	(2, 1)	1	1	YES	YES	YES	NO	767
(41, 16)	8	(2, 1)	1	1	YES	YES	YES	NO	768
(41, 16)	8	(2, 1)	1	1	YES	YES	YES	NO	769
(41, 17)	8	(2, 1)	1	1	YES	YES	YES	NO	770
(41, 17)	8	(2, 1)	1	1	NO	YES	NO(2)	NO	771
(41, 15)	8	(3, 1)	2	1	YES	YES	YES	NO	772
(41, 16)	8	(3, 1)	2	1	YES	YES	YES	NO	773
(41, 16)	8	(3, 1)	2	1	YES	YES	YES	NO	774
(41, 17)	8	(3, 1)	2	1	YES	YES	YES	NO	775
(41, 17)	8	(3, 1)	2	1	YES	YES	YES	590	776

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(41, 17)	8	(3, 1)	2	1	YES	YES	YES	NO	777
(41, 15)	8	(4, 1)	3	1	YES	YES	YES	NO	778
(41, 17)	8	(4, 1)	3	1	YES	YES	YES	NO	779
(41, 17)	8	(4, 1)	3	1	YES	YES	YES	NO	780
(41, 16)	8	(5, 1)	4	1	YES	YES	YES	NO	781
(41, 16)	8	(5, 1)	4	1	YES	YES	YES	NO	782
(41, 16)	8	(5, 2)	3	1	YES	YES	YES	576	783
(41, 11)	8	(7, 3)	4	1	YES	YES	YES	NO	784
(41, 12)	8	(7, 3)	4	1	YES	YES	YES	NO	785
(41, 15)	8	(7, 2)	4	1	YES	YES	YES	NO	786
(41, 15)	8	(7, 3)	4	1	YES	YES	YES	NO	787
(41, 16)	8	(7, 2)	4	1	YES	YES	YES	NO	788
(41, 16)	8	(7, 3)	4	1	YES	YES	YES	NO	789
(41, 11)	8	(8, 3)	4	1	YES	YES	YES	NO	790
(41, 11)	8	(8, 3)	4	1	YES	YES	YES	NO	791
(41, 12)	8	(8, 3)	4	1	YES	YES	YES	NO	792
(41, 12)	8	(8, 3)	4	1	YES	YES	YES	NO	793
(41, 15)	8	(9, 2)	5	1	YES	YES	YES	NO	794
(41, 15)	8	(9, 2)	5	1	YES	YES	YES	NO	795
(41, 12)	8	(10, 3)	5	1	YES	YES	YES	NO	796
(41, 11)	8	(11, 3)	5	1	YES	YES	YES	NO	797
(41, 12)	8	(11, 3)	5	1	YES	YES	YES	NO	798
(41, 15)	8	(11, 3)	5	1	YES	YES	YES	NO	799
(41, 17)	8	(11, 3)	5	1	YES	YES	YES	NO	800
(41, 11)	8	(13, 4)	6	1	YES	YES	YES	NO	801
(41, 16)	8	(13, 3)	6	1	YES	YES	YES	NO	802
(41, 16)	8	(18, 7)	6	1	YES	YES	YES	NO	803
(41, 17)	8	(19, 8)	6	1	YES	YES	YES	NO	804
(41, 12)	8	(23, 7)	7	1	YES	YES	YES	NO	805
(41, 11)	8	(29, 8)	7	1	YES	YES	YES	NO	806
(41, 12)	8	(37, 11)	8	1	YES	YES	YES	NO	807
(41, 15)	8	(41, 15)	8	41	YES	YES	YES	NO	808
(41, 17)	8	(41, 17)	8	41	YES	YES	YES	NO	809
(42, 13)	9	(2, 1)	1	2	YES	YES	YES	NO	810
(42, 13)	9	(5, 2)	3	1	YES	YES	YES	NO	811
(42, 19)	9	(6, 1)	5	6	YES	YES	YES	NO	812
(42, 19)	9	(6, 1)	5	6	YES	YES	YES	NO	813
(42, 13)	9	(8, 3)	4	2	YES	YES	YES	NO	814
(42, 13)	9	(18, 5)	6	6	YES	YES	YES	NO	815
(43, 16)	9	(4, 1)	3	1	YES	YES	YES	NO	816
(43, 16)	9	(5, 1)	4	1	YES	YES	YES	NO	817
(43, 18)	8	(5, 2)	3	1	YES	YES	YES	NO	818
(43, 19)	9	(5, 1)	4	1	YES	YES	YES	NO	819
(43, 19)	9	(5, 1)	4	1	YES	YES	YES	NO	820
(43, 16)	9	(6, 1)	5	1	YES	YES	YES	NO	821
(43, 12)	8	(7, 3)	4	1	YES	YES	YES	NO	822
(43, 19)	9	(7, 1)	6	1	YES	YES	YES	NO	823
(43, 19)	9	(7, 1)	6	1	YES	YES	YES	NO	824
(43, 12)	8	(8, 3)	4	1	YES	YES	YES	NO	825
(43, 12)	8	(9, 4)	5	1	YES	YES	YES	NO	826
(43, 19)	9	(9, 4)	5	1	YES	YES	YES	NO	827
(43, 12)	8	(11, 4)	5	1	YES	YES	YES	NO	828
(43, 18)	8	(11, 2)	6	1	YES	YES	YES	NO	829

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(43, 16)	9	(19, 7)	6	1	YES	YES	YES	NO	830
(43, 18)	8	(26, 11)	7	1	YES	YES	YES	1179	831
(43, 16)	9	(27, 10)	7	1	YES	YES	YES	1054	832
(43, 16)	9	(35, 13)	8	1	YES	YES	YES	NO	833
(43, 10)	9	(40, 9)	9	1	YES	YES	YES	NO	834
(43, 12)	8	(40, 11)	8	1	YES	YES	YES	NO	835
(43, 19)	9	(43, 19)	9	43	YES	YES	YES	NO	836
(44, 17)	8	(2, 1)	1	2	YES	YES	YES	534	837
(44, 17)	8	(2, 1)	1	2	YES	YES	YES	NO	838
(44, 17)	8	(3, 1)	2	1	YES	YES	YES	NO	839
(44, 17)	8	(3, 1)	2	1	YES	YES	YES	NO	840
(44, 17)	8	(5, 2)	3	1	YES	YES	YES	NO	841
(44, 13)	8	(7, 3)	4	1	YES	YES	YES	NO	842
(44, 13)	8	(7, 3)	4	1	YES	YES	YES	NO	843
(44, 17)	8	(7, 2)	4	1	YES	YES	YES	NO	844
(44, 17)	8	(7, 3)	4	1	YES	YES	YES	NO	845
(44, 17)	8	(9, 2)	5	1	YES	YES	YES	NO	846
(44, 17)	8	(9, 2)	5	1	YES	YES	YES	NO	847
(44, 13)	8	(13, 3)	6	1	YES	YES	YES	NO	848
(44, 13)	8	(15, 4)	6	1	YES	YES	YES	NO	849
(44, 13)	8	(18, 5)	6	2	YES	YES	YES	NO	850
(44, 17)	8	(21, 8)	6	1	YES	YES	YES	NO	851
(44, 13)	8	(23, 7)	7	1	YES	YES	YES	NO	852
(44, 13)	8	(31, 9)	8	1	YES	YES	YES	NO	853
(44, 13)	8	(41, 12)	8	1	YES	YES	YES	NO	854
(45, 14)	9	(2, 1)	1	1	YES	YES	YES	NO	855
(45, 19)	8	(2, 1)	1	1	YES	YES	YES	NO	856
(45, 14)	9	(5, 1)	4	5	YES	YES	YES	NO	857
(45, 19)	8	(5, 1)	4	5	YES	YES	NO(2)	NO	858
(45, 19)	8	(5, 2)	3	5	YES	YES	YES	NO	859
(45, 19)	8	(7, 3)	4	1	YES	YES	NO(2)	674	860
(45, 14)	9	(29, 9)	8	1	YES	YES	YES	NO	861
(46, 19)	8	(2, 1)	1	2	YES	YES	YES	NO	862
(46, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	863
(46, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	864
(46, 19)	8	(5, 2)	3	1	YES	YES	YES	NO	865
(46, 19)	8	(5, 2)	3	1	YES	YES	YES	NO	866
(46, 19)	8	(7, 2)	4	1	YES	YES	YES	NO	867
(46, 19)	8	(9, 2)	5	1	YES	YES	YES	NO	868
(46, 19)	8	(19, 8)	6	1	YES	YES	YES	NO	869
(47, 18)	8	(3, 1)	2	1	YES	YES	YES	NO	870
(47, 18)	8	(3, 1)	2	1	YES	YES	YES	NO	871
(47, 18)	8	(4, 1)	3	1	YES	YES	YES	NO	872
(47, 18)	8	(4, 1)	3	1	YES	YES	YES	NO	873
(47, 18)	8	(5, 1)	4	1	YES	YES	YES	NO	874
(47, 18)	8	(5, 1)	4	1	YES	YES	YES	NO	875
(47, 18)	8	(5, 2)	3	1	YES	YES	YES	NO	876
(47, 13)	8	(7, 3)	4	1	YES	YES	YES	NO	877
(47, 14)	9	(7, 3)	4	1	YES	YES	YES	NO	878
(47, 18)	8	(7, 2)	4	1	YES	YES	YES	NO	879
(47, 18)	8	(7, 3)	4	1	YES	YES	YES	NO	880
(47, 13)	8	(8, 3)	4	1	YES	YES	YES	NO	881
(47, 18)	8	(9, 2)	5	1	YES	YES	YES	NO	882

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(47, 18)	8	(9, 2)	5	1	YES	YES	YES	NO	883
(47, 18)	8	(11, 2)	6	1	YES	YES	YES	NO	884
(47, 18)	8	(11, 2)	6	1	YES	YES	YES	NO	885
(47, 13)	8	(13, 4)	6	1	YES	YES	YES	NO	886
(47, 13)	8	(17, 5)	6	1	YES	YES	YES	NO	887
(47, 18)	8	(18, 7)	6	1	YES	YES	YES	NO	888
(47, 18)	8	(21, 8)	6	1	YES	YES	YES	983	889
(47, 18)	8	(29, 11)	7	1	YES	YES	YES	1293	890
(47, 18)	8	(47, 18)	8	47	YES	YES	YES	NO	891
(49, 18)	8	(2, 1)	1	1	YES	YES	YES	621	892
(49, 19)	8	(2, 1)	1	1	YES	YES	NO(2)	NO	893
(49, 20)	9	(2, 1)	1	1	YES	YES	YES	NO	894
(49, 15)	9	(3, 1)	2	1	NO	YES	YES	NO	895
(49, 18)	8	(3, 1)	2	1	YES	YES	YES	NO	896
(49, 18)	8	(3, 1)	2	1	YES	YES	YES	757	897
(49, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	898
(49, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	899
(49, 20)	9	(3, 1)	2	1	YES	YES	YES	NO	900
(49, 9)	10	(4, 1)	3	1	YES	YES	YES	NO	901
(49, 9)	10	(4, 1)	3	1	YES	YES	YES	NO	902
(49, 13)	9	(5, 1)	4	1	YES	YES	YES	NO	903
(49, 13)	9	(5, 1)	4	1	YES	YES	YES	NO	904
(49, 19)	8	(5, 2)	3	1	YES	YES	YES	NO	905
(49, 15)	9	(6, 1)	5	1	YES	YES	YES	NO	906
(49, 20)	9	(6, 1)	5	1	YES	YES	YES	NO	907
(49, 18)	8	(7, 3)	4	7	YES	YES	YES	NO	908
(49, 19)	8	(7, 2)	4	7	YES	YES	YES	NO	909
(49, 18)	8	(8, 3)	4	1	YES	YES	YES	NO	910
(49, 19)	8	(8, 3)	4	1	YES	YES	YES	973	911
(49, 9)	10	(9, 2)	5	1	YES	YES	YES	1041	912
(49, 15)	9	(9, 2)	5	1	YES	YES	YES	NO	913
(49, 19)	8	(9, 2)	5	1	YES	YES	YES	NO	914
(49, 18)	8	(13, 5)	5	1	YES	YES	YES	NO	915
(49, 13)	9	(15, 4)	6	1	YES	YES	YES	NO	916
(49, 11)	10	(17, 3)	7	1	YES	YES	YES	NO	917
(49, 20)	9	(17, 7)	6	1	YES	YES	YES	NO	918
(49, 13)	9	(19, 5)	7	1	YES	YES	YES	955	919
(49, 9)	10	(23, 4)	8	1	YES	YES	YES	NO	920
(49, 19)	8	(28, 11)	8	7	YES	YES	YES	NO	921
(49, 15)	9	(33, 10)	8	1	YES	YES	YES	1320	922
(49, 15)	9	(36, 11)	8	1	YES	YES	YES	NO	923
(49, 19)	8	(44, 17)	8	1	YES	YES	YES	NO	924
(50, 21)	8	(2, 1)	1	2	NO	YES	YES	NO	925
(50, 19)	8	(3, 1)	2	1	YES	YES	YES	NO	926
(50, 19)	8	(5, 2)	3	5	YES	YES	YES	NO	927
(50, 19)	8	(5, 2)	3	5	YES	YES	YES	NO	928
(50, 21)	8	(5, 2)	3	5	YES	YES	YES	NO	929
(50, 19)	8	(7, 2)	4	1	YES	YES	YES	NO	930
(50, 19)	8	(7, 3)	4	1	YES	YES	YES	NO	931
(50, 19)	8	(9, 4)	5	1	YES	YES	YES	NO	932
(50, 19)	8	(13, 5)	5	1	YES	YES	YES	NO	933
(50, 21)	8	(26, 11)	7	2	YES	YES	YES	NO	934
(50, 19)	8	(34, 13)	7	2	YES	YES	YES	NO	935

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(51, 14)	9	(2, 1)	1	1	YES	YES	YES	NO	936
(51, 20)	9	(2, 1)	1	1	YES	YES	YES	NO	937
(51, 20)	9	(2, 1)	1	1	YES	YES	YES	NO	938
(51, 20)	9	(41, 16)	8	1	YES	YES	YES	NO	939
(53, 14)	9	(2, 1)	1	1	YES	YES	YES	NO	940
(53, 14)	9	(2, 1)	1	1	YES	YES	YES	NO	941
(53, 19)	9	(2, 1)	1	1	YES	YES	YES	NO	942
(53, 23)	9	(2, 1)	1	1	NO	YES	YES	NO	943
(53, 14)	9	(3, 1)	2	1	YES	YES	YES	NO	944
(53, 22)	9	(4, 1)	3	1	YES	YES	YES	NO	945
(53, 22)	9	(4, 1)	3	1	YES	YES	YES	NO	946
(53, 14)	9	(5, 1)	4	1	YES	YES	YES	NO	947
(53, 14)	9	(5, 1)	4	1	YES	YES	YES	NO	948
(53, 19)	9	(5, 1)	4	1	YES	YES	YES	NO	949
(53, 19)	9	(5, 1)	4	1	YES	YES	YES	NO	950
(53, 19)	9	(5, 2)	3	1	YES	YES	YES	NO	951
(53, 19)	9	(6, 1)	5	1	YES	YES	YES	NO	952
(53, 22)	9	(7, 3)	4	1	YES	YES	YES	NO	953
(53, 19)	9	(14, 5)	6	1	YES	YES	YES	NO	954
(53, 14)	9	(15, 4)	6	1	YES	YES	YES	919	955
(53, 14)	9	(19, 5)	7	1	YES	YES	YES	NO	956
(53, 19)	9	(19, 7)	6	1	YES	YES	YES	1413	957
(53, 19)	9	(36, 13)	8	1	YES	YES	YES	1375	958
(55, 16)	9	(2, 1)	1	1	YES	YES	YES	NO	959
(55, 21)	8	(2, 1)	1	1	YES	YES	YES	NO	960
(55, 23)	9	(2, 1)	1	1	YES	YES	YES	NO	961
(55, 24)	9	(2, 1)	1	1	NO	YES	YES	NO	962
(55, 16)	9	(3, 1)	2	1	NO	YES	YES	NO	963
(55, 21)	8	(3, 1)	2	1	YES	YES	YES	NO	964
(55, 23)	9	(3, 1)	2	1	YES	YES	YES	NO	965
(55, 23)	9	(3, 1)	2	1	YES	YES	YES	NO	966
(55, 16)	9	(4, 1)	3	1	YES	YES	YES	NO	967
(55, 23)	9	(4, 1)	3	1	YES	YES	YES	NO	968
(55, 16)	9	(5, 2)	3	5	YES	YES	YES	NO	969
(55, 21)	8	(5, 1)	4	5	YES	YES	YES	NO	970
(55, 21)	8	(5, 1)	4	5	YES	YES	YES	NO	971
(55, 21)	8	(5, 2)	3	5	YES	YES	YES	NO	972
(55, 21)	8	(5, 2)	3	5	YES	YES	YES	911	973
(55, 23)	9	(5, 1)	4	5	YES	YES	YES	NO	974
(55, 23)	9	(6, 1)	5	1	YES	YES	YES	NO	975
(55, 23)	9	(6, 1)	5	1	YES	YES	YES	NO	976
(55, 23)	9	(6, 1)	5	1	YES	YES	YES	NO	977
(55, 16)	9	(7, 2)	4	1	YES	YES	YES	748	978
(55, 23)	9	(7, 3)	4	1	YES	YES	YES	NO	979
(55, 21)	8	(8, 3)	4	1	YES	YES	YES	NO	980
(55, 21)	8	(9, 2)	5	1	YES	YES	YES	NO	981
(55, 21)	8	(9, 2)	5	1	YES	YES	YES	NO	982
(55, 21)	8	(13, 5)	5	1	YES	YES	YES	889	983
(55, 21)	8	(18, 7)	6	1	YES	YES	YES	NO	984
(55, 23)	9	(19, 8)	6	1	YES	YES	YES	NO	985
(55, 21)	8	(21, 8)	6	1	YES	YES	YES	NO	986
(55, 13)	10	(23, 5)	7	1	YES	YES	YES	NO	987
(55, 21)	8	(29, 11)	7	1	YES	YES	YES	NO	988

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(55, 23)	9	(31, 13)	7	1	YES	YES	YES	1180	989
(55, 23)	9	(43, 18)	8	1	YES	YES	YES	NO	990
(55, 21)	8	(47, 18)	8	1	YES	YES	YES	NO	991
(55, 23)	9	(55, 23)	9	55	YES	YES	YES	NO	992
(57, 22)	9	(3, 1)	2	3	YES	YES	YES	NO	993
(57, 22)	9	(3, 1)	2	3	YES	YES	YES	NO	994
(57, 22)	9	(4, 1)	3	1	YES	YES	YES	NO	995
(57, 22)	9	(18, 7)	6	3	YES	YES	YES	NO	996
(57, 22)	9	(31, 12)	7	1	YES	YES	YES	1197	997
(58, 17)	9	(2, 1)	1	2	YES	YES	YES	NO	998
(58, 17)	9	(3, 1)	2	1	YES	YES	YES	NO	999
(58, 17)	9	(3, 1)	2	1	YES	YES	YES	NO	1000
(58, 17)	9	(4, 1)	3	2	YES	YES	YES	764	1001
(58, 17)	9	(4, 1)	3	2	YES	YES	YES	NO	1002
(58, 17)	9	(5, 2)	3	1	YES	YES	YES	NO	1003
(58, 17)	9	(7, 2)	4	1	YES	YES	YES	NO	1004
(58, 17)	9	(9, 2)	5	1	YES	YES	YES	NO	1005
(58, 17)	9	(10, 3)	5	2	YES	YES	YES	NO	1006
(58, 17)	9	(17, 5)	6	1	YES	YES	YES	NO	1007
(58, 17)	9	(18, 5)	6	2	YES	YES	YES	NO	1008
(58, 17)	9	(58, 17)	9	58	YES	YES	YES	NO	1009
(59, 23)	9	(2, 1)	1	1	YES	YES	YES	NO	1010
(59, 25)	9	(2, 1)	1	1	NO	YES	YES	NO	1011
(59, 25)	9	(3, 1)	2	1	YES	YES	YES	NO	1012
(59, 23)	9	(4, 1)	3	1	YES	YES	YES	NO	1013
(59, 23)	9	(4, 1)	3	1	YES	YES	YES	NO	1014
(59, 25)	9	(4, 1)	3	1	YES	YES	YES	NO	1015
(59, 23)	9	(5, 2)	3	1	YES	YES	YES	NO	1016
(59, 25)	9	(12, 5)	5	1	YES	YES	YES	676	1017
(59, 23)	9	(13, 5)	5	1	YES	YES	YES	NO	1018
(59, 23)	9	(28, 11)	8	1	YES	YES	YES	1410	1019
(59, 25)	9	(33, 14)	8	1	YES	YES	YES	NO	1020
(59, 25)	9	(59, 25)	9	59	YES	YES	YES	NO	1021
(60, 23)	9	(2, 1)	1	2	YES	YES	YES	NO	1022
(60, 23)	9	(6, 1)	5	6	YES	YES	YES	NO	1023
(60, 23)	9	(6, 1)	5	6	YES	YES	YES	NO	1024
(60, 23)	9	(6, 1)	5	6	YES	YES	YES	NO	1025
(60, 23)	9	(11, 4)	5	1	YES	YES	YES	NO	1026
(60, 23)	9	(21, 8)	6	3	YES	YES	YES	NO	1027
(60, 23)	9	(34, 13)	7	2	YES	YES	YES	1294	1028
(60, 23)	9	(60, 23)	9	60	YES	YES	YES	NO	1029
(61, 18)	9	(2, 1)	1	1	YES	YES	YES	NO	1030
(61, 17)	9	(3, 1)	2	1	YES	YES	YES	734	1031
(61, 17)	9	(3, 1)	2	1	YES	YES	YES	NO	1032
(61, 25)	9	(3, 1)	2	1	YES	YES	YES	NO	1033
(61, 18)	9	(4, 1)	3	1	YES	YES	YES	NO	1034
(61, 18)	9	(4, 1)	3	1	YES	YES	YES	NO	1035
(61, 25)	9	(4, 1)	3	1	YES	YES	YES	NO	1036
(61, 13)	10	(5, 1)	4	1	YES	YES	YES	NO	1037
(61, 17)	9	(5, 2)	3	1	YES	YES	YES	NO	1038
(61, 17)	9	(5, 2)	3	1	YES	YES	YES	NO	1039
(61, 18)	9	(5, 2)	3	1	YES	YES	YES	NO	1040
(61, 13)	10	(6, 1)	5	1	YES	YES	YES	912	1041

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(61, 18)	9	(7, 2)	4	1	YES	YES	YES	NO	1042
(61, 25)	9	(7, 3)	4	1	YES	YES	YES	NO	1043
(61, 18)	9	(9, 2)	5	1	YES	YES	YES	NO	1044
(61, 18)	9	(10, 3)	5	1	YES	YES	YES	NO	1045
(61, 17)	9	(11, 3)	5	1	YES	YES	YES	NO	1046
(61, 25)	9	(12, 5)	5	1	YES	YES	YES	1194	1047
(61, 13)	10	(19, 4)	7	1	YES	YES	YES	NO	1048
(61, 25)	9	(39, 16)	8	1	YES	YES	YES	NO	1049
(61, 25)	9	(61, 25)	9	61	YES	YES	YES	NO	1050
(62, 23)	9	(3, 1)	2	1	YES	YES	YES	NO	1051
(62, 23)	9	(5, 1)	4	1	YES	YES	YES	NO	1052
(62, 19)	10	(7, 2)	4	1	YES	YES	YES	NO	1053
(62, 23)	9	(8, 3)	4	2	YES	YES	YES	832	1054
(63, 26)	9	(2, 1)	1	1	YES	YES	YES	NO	1055
(63, 26)	9	(3, 1)	2	3	YES	YES	YES	NO	1056
(63, 26)	9	(3, 1)	2	3	YES	YES	YES	NO	1057
(63, 26)	9	(3, 1)	2	3	YES	YES	YES	NO	1058
(63, 26)	9	(4, 1)	3	1	YES	YES	YES	NO	1059
(63, 26)	9	(4, 1)	3	1	YES	YES	YES	NO	1060
(63, 26)	9	(5, 2)	3	1	YES	YES	YES	NO	1061
(63, 26)	9	(12, 5)	5	3	YES	YES	YES	NO	1062
(63, 26)	9	(22, 9)	7	1	YES	YES	YES	NO	1063
(63, 26)	9	(29, 12)	7	1	YES	YES	YES	1198	1064
(63, 26)	9	(46, 19)	8	1	YES	YES	YES	NO	1065
(64, 25)	9	(2, 1)	1	2	NO	YES	YES	NO	1066
(64, 27)	9	(2, 1)	1	2	NO	YES	YES	NO	1067
(64, 25)	9	(3, 1)	2	1	YES	YES	YES	NO	1068
(64, 25)	9	(3, 1)	2	1	YES	YES	YES	NO	1069
(64, 25)	9	(4, 1)	3	4	YES	YES	YES	NO	1070
(64, 27)	9	(5, 2)	3	1	YES	YES	YES	NO	1071
(64, 27)	9	(8, 3)	4	8	YES	YES	YES	NO	1072
(64, 27)	9	(12, 5)	5	4	YES	YES	YES	NO	1073
(64, 25)	9	(13, 5)	5	1	YES	YES	YES	1276	1074
(64, 19)	9	(24, 7)	7	8	YES	YES	YES	NO	1075
(64, 27)	9	(26, 11)	7	2	YES	YES	YES	1161	1076
(64, 25)	9	(28, 11)	8	4	YES	YES	YES	NO	1077
(64, 25)	9	(41, 16)	8	1	YES	YES	YES	NO	1078
(64, 27)	9	(45, 19)	8	1	YES	YES	YES	NO	1079
(64, 25)	9	(64, 25)	9	64	YES	YES	YES	NO	1080
(65, 24)	9	(2, 1)	1	1	YES	YES	YES	NO	1081
(65, 27)	10	(2, 1)	1	1	YES	YES	YES	NO	1082
(65, 18)	9	(3, 1)	2	1	YES	YES	YES	NO	1083
(65, 18)	9	(3, 1)	2	1	YES	YES	YES	NO	1084
(65, 24)	9	(3, 1)	2	1	YES	YES	YES	NO	1085
(65, 24)	9	(3, 1)	2	1	YES	YES	YES	NO	1086
(65, 18)	9	(5, 2)	3	5	YES	YES	YES	NO	1087
(65, 18)	9	(5, 2)	3	5	YES	YES	YES	NO	1088
(65, 19)	9	(5, 2)	3	5	YES	YES	YES	NO	1089
(65, 18)	9	(7, 2)	4	1	YES	YES	YES	NO	1090
(65, 19)	9	(7, 2)	4	1	YES	YES	YES	NO	1091
(65, 19)	9	(9, 2)	5	1	YES	YES	YES	NO	1092
(65, 18)	9	(10, 3)	5	5	YES	YES	YES	NO	1093
(65, 19)	9	(27, 8)	7	1	YES	YES	YES	NO	1094

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(66, 25)	9	(2, 1)	1	2	NO	YES	YES	NO	1095
(66, 25)	9	(4, 1)	3	2	YES	YES	YES	NO	1096
(66, 25)	9	(4, 1)	3	2	YES	YES	YES	NO	1097
(66, 29)	9	(5, 2)	3	1	YES	YES	YES	NO	1098
(66, 29)	9	(23, 10)	7	1	YES	YES	YES	NO	1099
(66, 25)	9	(37, 14)	8	1	YES	YES	YES	NO	1100
(67, 26)	9	(2, 1)	1	1	YES	YES	YES	NO	1101
(67, 26)	9	(3, 1)	2	1	YES	YES	YES	NO	1102
(67, 26)	9	(3, 1)	2	1	YES	YES	YES	NO	1103
(67, 26)	9	(3, 1)	2	1	YES	YES	YES	NO	1104
(67, 26)	9	(4, 1)	3	1	YES	YES	YES	NO	1105
(67, 26)	9	(4, 1)	3	1	YES	YES	YES	NO	1106
(67, 26)	9	(4, 1)	3	1	YES	YES	YES	NO	1107
(67, 26)	9	(8, 3)	4	1	YES	YES	YES	NO	1108
(68, 25)	9	(3, 1)	2	1	YES	YES	YES	NO	1109
(68, 25)	9	(3, 1)	2	1	YES	YES	YES	NO	1110
(68, 19)	9	(5, 2)	3	1	YES	YES	YES	NO	1111
(68, 19)	9	(5, 2)	3	1	YES	YES	YES	NO	1112
(68, 25)	9	(5, 1)	4	1	YES	YES	YES	NO	1113
(68, 25)	9	(5, 2)	3	1	YES	YES	YES	NO	1114
(68, 25)	9	(19, 7)	6	1	YES	YES	YES	NO	1115
(68, 25)	9	(30, 11)	7	2	YES	YES	YES	1263	1116
(68, 25)	9	(68, 25)	9	68	YES	YES	YES	NO	1117
(69, 29)	9	(2, 1)	1	1	YES	YES	YES	NO	1118
(69, 29)	9	(3, 1)	2	3	YES	YES	YES	NO	1119
(69, 29)	9	(3, 1)	2	3	YES	YES	YES	NO	1120
(69, 29)	9	(3, 1)	2	3	YES	YES	YES	NO	1121
(69, 29)	9	(5, 1)	4	1	YES	YES	YES	NO	1122
(69, 29)	9	(6, 1)	5	3	YES	YES	YES	NO	1123
(69, 29)	9	(6, 1)	5	3	YES	YES	YES	NO	1124
(69, 29)	9	(7, 3)	4	1	YES	YES	YES	NO	1125
(69, 29)	9	(12, 5)	5	3	YES	YES	YES	NO	1126
(69, 29)	9	(19, 8)	6	1	YES	YES	YES	NO	1127
(69, 29)	9	(31, 13)	7	1	YES	YES	YES	1295	1128
(69, 29)	9	(69, 29)	9	69	YES	YES	YES	NO	1129
(70, 27)	10	(2, 1)	1	2	YES	YES	YES	NO	1130
(70, 27)	10	(2, 1)	1	2	YES	YES	YES	NO	1131
(70, 29)	9	(3, 1)	2	1	YES	YES	YES	NO	1132
(70, 27)	10	(5, 1)	4	5	YES	YES	YES	NO	1133
(70, 27)	10	(6, 1)	5	2	YES	YES	YES	NO	1134
(70, 29)	9	(7, 3)	4	7	YES	YES	YES	NO	1135
(70, 29)	9	(17, 7)	6	1	YES	YES	YES	NO	1136
(70, 27)	10	(44, 17)	8	2	YES	YES	YES	1417	1137
(70, 27)	10	(57, 22)	9	1	YES	YES	YES	NO	1138
(71, 27)	9	(2, 1)	1	1	YES	YES	YES	NO	1139
(71, 30)	9	(2, 1)	1	1	YES	YES	YES	NO	1140
(71, 11)	12	(3, 1)	2	1	YES	YES	YES	NO	1141
(71, 26)	9	(3, 1)	2	1	YES	YES	YES	NO	1142
(71, 27)	9	(3, 1)	2	1	YES	YES	YES	NO	1143
(71, 27)	9	(3, 1)	2	1	YES	YES	YES	NO	1144
(71, 30)	9	(3, 1)	2	1	YES	YES	YES	NO	1145
(71, 26)	9	(4, 1)	3	1	YES	YES	YES	NO	1146
(71, 26)	9	(4, 1)	3	1	YES	YES	YES	NO	1147

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(71, 27)	9	(4, 1)	3	1	YES	YES	YES	NO	1148
(71, 27)	9	(4, 1)	3	1	YES	YES	YES	NO	1149
(71, 27)	9	(4, 1)	3	1	YES	YES	YES	NO	1150
(71, 11)	12	(5, 1)	4	1	YES	YES	YES	NO	1151
(71, 26)	9	(5, 2)	3	1	YES	YES	YES	NO	1152
(71, 27)	9	(5, 1)	4	1	YES	YES	YES	NO	1153
(71, 26)	9	(7, 2)	4	1	YES	YES	YES	NO	1154
(71, 27)	9	(7, 3)	4	1	YES	YES	YES	NO	1155
(71, 21)	9	(9, 2)	5	1	YES	YES	YES	NO	1156
(71, 21)	9	(11, 3)	5	1	YES	YES	YES	NO	1157
(71, 30)	9	(12, 5)	5	1	YES	YES	YES	1292	1158
(71, 27)	9	(13, 5)	5	1	YES	YES	YES	NO	1159
(71, 15)	10	(19, 4)	7	1	YES	YES	YES	NO	1160
(71, 30)	9	(19, 8)	6	1	YES	YES	YES	1076	1161
(71, 21)	9	(24, 7)	7	1	YES	YES	YES	NO	1162
(71, 26)	9	(27, 10)	7	1	YES	YES	YES	NO	1163
(71, 27)	9	(29, 11)	7	1	YES	YES	YES	1264	1164
(71, 26)	9	(41, 15)	8	1	YES	YES	YES	NO	1165
(71, 27)	9	(50, 19)	8	1	YES	YES	YES	NO	1166
(71, 21)	9	(61, 18)	9	1	YES	YES	YES	NO	1167
(71, 27)	9	(71, 27)	9	71	YES	YES	YES	NO	1168
(74, 29)	10	(2, 1)	1	2	NO	YES	YES	NO	1169
(74, 31)	9	(2, 1)	1	2	YES	YES	YES	NO	1170
(74, 31)	9	(3, 1)	2	1	YES	YES	YES	NO	1171
(74, 31)	9	(3, 1)	2	1	YES	YES	YES	NO	1172
(74, 29)	10	(4, 1)	3	2	YES	YES	YES	NO	1173
(74, 29)	10	(4, 1)	3	2	YES	YES	YES	NO	1174
(74, 31)	9	(4, 1)	3	2	YES	YES	YES	NO	1175
(74, 17)	11	(5, 2)	3	1	YES	YES	YES	NO	1176
(74, 31)	9	(5, 1)	4	1	YES	YES	YES	NO	1177
(74, 31)	9	(5, 2)	3	1	YES	YES	YES	NO	1178
(74, 31)	9	(7, 3)	4	1	YES	YES	YES	831	1179
(74, 31)	9	(12, 5)	5	2	YES	YES	YES	989	1180
(74, 29)	10	(13, 5)	5	1	YES	YES	YES	NO	1181
(74, 17)	11	(14, 3)	6	2	YES	YES	YES	NO	1182
(74, 31)	9	(19, 8)	6	1	YES	YES	YES	NO	1183
(74, 31)	9	(31, 13)	7	1	YES	YES	YES	NO	1184
(74, 29)	10	(51, 20)	9	1	YES	YES	YES	NO	1185
(75, 22)	10	(2, 1)	1	1	YES	YES	YES	NO	1186
(75, 29)	9	(2, 1)	1	1	YES	YES	YES	NO	1187
(75, 31)	9	(2, 1)	1	1	YES	YES	YES	NO	1188
(75, 29)	9	(3, 1)	2	3	YES	YES	YES	NO	1189
(75, 31)	9	(3, 1)	2	3	YES	YES	YES	NO	1190
(75, 31)	9	(3, 1)	2	3	YES	YES	YES	NO	1191
(75, 29)	9	(4, 1)	3	1	YES	YES	YES	NO	1192
(75, 29)	9	(4, 1)	3	1	YES	YES	YES	NO	1193
(75, 31)	9	(5, 2)	3	5	YES	YES	YES	1047	1194
(75, 29)	9	(8, 3)	4	1	YES	YES	YES	NO	1195
(75, 22)	10	(10, 3)	5	5	YES	YES	YES	NO	1196
(75, 29)	9	(13, 5)	5	1	YES	YES	YES	997	1197
(75, 31)	9	(17, 7)	6	1	YES	YES	YES	1064	1198
(75, 29)	9	(18, 7)	6	3	YES	YES	YES	NO	1199
(75, 17)	10	(23, 5)	7	1	YES	YES	YES	NO	1200

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(75, 29)	9	(44, 17)	8	1	YES	YES	YES	NO	1201
(75, 31)	9	(46, 19)	8	1	YES	YES	YES	NO	1202
(75, 29)	9	(75, 29)	9	75	YES	YES	YES	NO	1203
(76, 29)	9	(2, 1)	1	2	YES	YES	YES	NO	1204
(76, 29)	9	(2, 1)	1	2	YES	YES	YES	NO	1205
(76, 23)	10	(3, 1)	2	1	YES	YES	YES	NO	1206
(76, 29)	9	(3, 1)	2	1	YES	YES	YES	NO	1207
(76, 29)	9	(3, 1)	2	1	YES	YES	YES	NO	1208
(76, 29)	9	(3, 1)	2	1	YES	YES	YES	NO	1209
(76, 29)	9	(4, 1)	3	4	YES	YES	YES	NO	1210
(76, 21)	9	(5, 2)	3	1	YES	YES	YES	NO	1211
(76, 29)	9	(5, 2)	3	1	YES	YES	YES	NO	1212
(76, 29)	9	(6, 1)	5	2	YES	YES	YES	NO	1213
(76, 29)	9	(6, 1)	5	2	YES	YES	YES	NO	1214
(76, 29)	9	(6, 1)	5	2	YES	YES	YES	NO	1215
(76, 23)	10	(7, 2)	4	1	YES	YES	YES	NO	1216
(76, 29)	9	(8, 3)	4	4	YES	YES	YES	NO	1217
(76, 29)	9	(13, 5)	5	1	YES	YES	YES	NO	1218
(76, 29)	9	(21, 8)	6	1	YES	YES	YES	NO	1219
(76, 29)	9	(34, 13)	7	2	YES	YES	YES	1356	1220
(76, 29)	9	(55, 21)	8	1	YES	YES	YES	NO	1221
(76, 29)	9	(76, 29)	9	76	YES	YES	YES	NO	1222
(78, 23)	10	(2, 1)	1	2	YES	YES	YES	NO	1223
(78, 23)	10	(3, 1)	2	3	YES	YES	YES	NO	1224
(78, 23)	10	(3, 1)	2	3	YES	YES	YES	NO	1225
(78, 23)	10	(4, 1)	3	2	YES	YES	YES	NO	1226
(78, 23)	10	(10, 3)	5	2	YES	YES	YES	NO	1227
(78, 23)	10	(44, 13)	8	2	YES	YES	YES	1436	1228
(79, 29)	9	(2, 1)	1	1	YES	YES	YES	NO	1229
(79, 29)	9	(2, 1)	1	1	YES	YES	YES	NO	1230
(79, 30)	9	(2, 1)	1	1	YES	YES	YES	NO	1231
(79, 30)	9	(2, 1)	1	1	YES	YES	YES	NO	1232
(79, 14)	11	(3, 1)	2	1	YES	YES	YES	NO	1233
(79, 22)	10	(3, 1)	2	1	YES	YES	YES	NO	1234
(79, 23)	10	(3, 1)	2	1	YES	YES	YES	NO	1235
(79, 23)	10	(3, 1)	2	1	YES	YES	YES	NO	1236
(79, 23)	10	(3, 1)	2	1	YES	YES	YES	655	1237
(79, 30)	9	(3, 1)	2	1	YES	YES	YES	NO	1238
(79, 30)	9	(3, 1)	2	1	YES	YES	YES	NO	1239
(79, 29)	9	(4, 1)	3	1	YES	YES	YES	NO	1240
(79, 30)	9	(4, 1)	3	1	YES	YES	YES	NO	1241
(79, 30)	9	(4, 1)	3	1	YES	YES	YES	NO	1242
(79, 17)	11	(5, 2)	3	1	YES	YES	YES	NO	1243
(79, 18)	10	(5, 2)	3	1	YES	YES	YES	NO	1244
(79, 18)	10	(5, 2)	3	1	YES	YES	YES	NO	1245
(79, 23)	10	(5, 1)	4	1	YES	YES	YES	NO	1246
(79, 29)	9	(5, 1)	4	1	YES	YES	YES	NO	1247
(79, 29)	9	(5, 2)	3	1	YES	YES	YES	NO	1248
(79, 30)	9	(5, 1)	4	1	YES	YES	YES	NO	1249
(79, 30)	9	(5, 1)	4	1	YES	YES	YES	NO	1250
(79, 30)	9	(5, 1)	4	1	YES	YES	YES	NO	1251
(79, 30)	9	(5, 2)	3	1	YES	YES	YES	NO	1252
(79, 14)	11	(6, 1)	5	1	YES	YES	YES	NO	1253

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(79, 30)	9	(8, 3)	4	1	YES	YES	YES	NO	1254
(79, 23)	10	(10, 3)	5	1	YES	YES	YES	NO	1255
(79, 14)	11	(11, 2)	6	1	YES	YES	YES	NO	1256
(79, 22)	10	(11, 3)	5	1	YES	YES	YES	NO	1257
(79, 23)	10	(11, 3)	5	1	YES	YES	YES	NO	1258
(79, 17)	11	(13, 3)	6	1	YES	YES	YES	NO	1259
(79, 30)	9	(13, 5)	5	1	YES	YES	YES	1352	1260
(79, 18)	10	(14, 3)	6	1	YES	YES	YES	NO	1261
(79, 14)	11	(17, 3)	7	1	YES	YES	YES	NO	1262
(79, 29)	9	(19, 7)	6	1	YES	YES	YES	1116	1263
(79, 30)	9	(21, 8)	6	1	YES	YES	YES	1164	1264
(79, 30)	9	(29, 11)	7	1	YES	YES	YES	NO	1265
(79, 29)	9	(30, 11)	7	1	YES	YES	YES	NO	1266
(79, 23)	10	(31, 9)	8	1	YES	YES	YES	1331	1267
(79, 29)	9	(41, 15)	8	1	YES	YES	YES	NO	1268
(79, 30)	9	(50, 19)	8	1	YES	YES	YES	NO	1269
(79, 23)	10	(79, 23)	10	79	YES	YES	YES	NO	1270
(79, 30)	9	(79, 30)	9	79	YES	YES	YES	NO	1271
(80, 31)	9	(2, 1)	1	2	YES	YES	YES	NO	1272
(80, 31)	9	(3, 1)	2	1	YES	YES	YES	NO	1273
(80, 31)	9	(3, 1)	2	1	YES	YES	YES	NO	1274
(80, 31)	9	(4, 1)	3	4	YES	YES	YES	NO	1275
(80, 31)	9	(5, 2)	3	5	YES	YES	YES	1074	1276
(80, 31)	9	(8, 3)	4	8	YES	YES	YES	NO	1277
(80, 31)	9	(13, 5)	5	1	YES	YES	YES	NO	1278
(80, 31)	9	(49, 19)	8	1	YES	YES	YES	NO	1279
(80, 31)	9	(80, 31)	9	80	YES	YES	YES	NO	1280
(81, 31)	9	(2, 1)	1	1	YES	YES	YES	NO	1281
(81, 31)	9	(2, 1)	1	1	YES	YES	YES	NO	1282
(81, 34)	9	(2, 1)	1	1	YES	YES	YES	NO	1283
(81, 34)	9	(3, 1)	2	3	YES	YES	YES	NO	1284
(81, 31)	9	(4, 1)	3	1	YES	YES	YES	NO	1285
(81, 31)	9	(4, 1)	3	1	YES	YES	YES	NO	1286
(81, 31)	9	(5, 1)	4	1	YES	YES	YES	NO	1287
(81, 31)	9	(5, 2)	3	1	YES	YES	YES	NO	1288
(81, 34)	9	(5, 1)	4	1	YES	YES	YES	NO	1289
(81, 34)	9	(5, 1)	4	1	YES	YES	YES	NO	1290
(81, 34)	9	(5, 2)	3	1	YES	YES	YES	NO	1291
(81, 34)	9	(7, 3)	4	1	YES	YES	YES	1158	1292
(81, 31)	9	(8, 3)	4	1	YES	YES	YES	890	1293
(81, 31)	9	(13, 5)	5	1	YES	YES	YES	1028	1294
(81, 34)	9	(19, 8)	6	1	YES	YES	YES	1128	1295
(81, 34)	9	(31, 13)	7	1	YES	YES	YES	NO	1296
(81, 31)	9	(34, 13)	7	1	YES	YES	YES	NO	1297
(81, 31)	9	(47, 18)	8	1	YES	YES	YES	NO	1298
(82, 23)	10	(5, 1)	4	1	YES	YES	YES	NO	1299
(82, 23)	10	(5, 2)	3	1	YES	YES	YES	NO	1300
(82, 23)	10	(10, 3)	5	2	YES	YES	YES	NO	1301
(82, 23)	10	(32, 9)	8	2	YES	YES	YES	1357	1302
(82, 23)	10	(82, 23)	10	82	YES	YES	YES	NO	1303
(83, 23)	10	(2, 1)	1	1	YES	YES	YES	NO	1304
(83, 23)	10	(2, 1)	1	1	YES	YES	YES	NO	1305
(83, 23)	10	(3, 1)	2	1	YES	YES	YES	NO	1306

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(83, 23)	10	(4, 1)	3	1	YES	YES	YES	NO	1307
(83, 23)	10	(11, 3)	5	1	YES	YES	YES	NO	1308
(84, 25)	10	(2, 1)	1	2	YES	YES	YES	NO	1309
(84, 25)	10	(2, 1)	1	2	YES	YES	YES	NO	1310
(84, 37)	10	(2, 1)	1	2	YES	YES	YES	NO	1311
(84, 25)	10	(3, 1)	2	3	YES	YES	YES	NO	1312
(84, 37)	10	(3, 1)	2	3	YES	YES	YES	NO	1313
(84, 37)	10	(3, 1)	2	3	YES	YES	YES	NO	1314
(84, 37)	10	(4, 1)	3	4	YES	YES	YES	NO	1315
(84, 25)	10	(7, 2)	4	7	YES	YES	YES	NO	1316
(84, 37)	10	(7, 3)	4	7	YES	YES	YES	NO	1317
(85, 26)	10	(2, 1)	1	1	YES	YES	YES	NO	1318
(85, 37)	10	(3, 1)	2	1	YES	YES	YES	NO	1319
(85, 26)	10	(10, 3)	5	5	YES	YES	YES	922	1320
(85, 37)	10	(16, 7)	6	1	YES	YES	YES	NO	1321
(85, 37)	10	(39, 17)	8	1	YES	YES	YES	1418	1322
(86, 25)	10	(2, 1)	1	2	YES	YES	YES	NO	1323
(86, 25)	10	(2, 1)	1	2	YES	YES	YES	NO	1324
(86, 25)	10	(3, 1)	2	1	YES	YES	YES	NO	1325
(86, 25)	10	(4, 1)	3	2	YES	YES	YES	NO	1326
(86, 25)	10	(5, 1)	4	1	YES	YES	YES	NO	1327
(86, 25)	10	(5, 1)	4	1	YES	YES	YES	NO	1328
(86, 25)	10	(10, 3)	5	2	YES	YES	YES	NO	1329
(86, 25)	10	(17, 5)	6	1	YES	YES	YES	1445	1330
(86, 25)	10	(24, 7)	7	2	YES	YES	YES	1267	1331
(86, 25)	10	(31, 9)	8	1	YES	YES	YES	NO	1332
(86, 25)	10	(86, 25)	10	86	YES	YES	YES	NO	1333
(87, 32)	10	(4, 1)	3	1	YES	YES	YES	NO	1334
(88, 37)	10	(2, 1)	1	2	NO	YES	YES	NO	1335
(89, 25)	10	(2, 1)	1	1	YES	YES	YES	NO	1336
(89, 25)	10	(2, 1)	1	1	YES	YES	YES	NO	1337
(89, 26)	10	(2, 1)	1	1	YES	YES	YES	NO	1338
(89, 34)	9	(2, 1)	1	1	YES	YES	YES	NO	1339
(89, 34)	9	(2, 1)	1	1	YES	YES	YES	NO	1340
(89, 25)	10	(3, 1)	2	1	YES	YES	YES	NO	1341
(89, 26)	10	(3, 1)	2	1	YES	YES	YES	NO	1342
(89, 26)	10	(3, 1)	2	1	YES	YES	YES	NO	1343
(89, 26)	10	(3, 1)	2	1	YES	YES	YES	NO	1344
(89, 34)	9	(3, 1)	2	1	YES	YES	YES	NO	1345
(89, 34)	9	(3, 1)	2	1	YES	YES	YES	NO	1346
(89, 25)	10	(4, 1)	3	1	YES	YES	YES	NO	1347
(89, 26)	10	(4, 1)	3	1	YES	YES	YES	NO	1348
(89, 25)	10	(5, 1)	4	1	YES	YES	YES	NO	1349
(89, 34)	9	(5, 2)	3	1	YES	YES	YES	NO	1350
(89, 17)	12	(6, 1)	5	1	YES	YES	YES	NO	1351
(89, 34)	9	(8, 3)	4	1	YES	YES	YES	1260	1352
(89, 34)	9	(13, 5)	5	1	YES	YES	YES	NO	1353
(89, 26)	10	(17, 5)	6	1	YES	YES	YES	NO	1354
(89, 17)	12	(21, 4)	8	1	YES	YES	YES	NO	1355
(89, 34)	9	(21, 8)	6	1	YES	YES	YES	1220	1356
(89, 25)	10	(25, 7)	7	1	YES	YES	YES	1302	1357
(89, 25)	10	(32, 9)	8	1	YES	YES	YES	NO	1358
(89, 27)	10	(33, 10)	8	1	YES	YES	YES	NO	1359

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(89, 26)	10	(41, 12)	8	1	YES	YES	YES	1447	1360
(89, 25)	10	(57, 16)	9	1	YES	YES	YES	NO	1361
(89, 26)	10	(65, 19)	9	1	YES	YES	YES	NO	1362
(89, 26)	10	(89, 26)	10	89	YES	YES	YES	NO	1363
(91, 27)	10	(2, 1)	1	1	YES	YES	YES	NO	1364
(91, 27)	10	(3, 1)	2	1	YES	YES	YES	NO	1365
(91, 25)	10	(4, 1)	3	1	YES	YES	YES	NO	1366
(91, 27)	10	(4, 1)	3	1	YES	YES	YES	NO	1367
(91, 27)	10	(7, 2)	4	7	YES	YES	YES	NO	1368
(91, 27)	10	(17, 5)	6	1	YES	YES	YES	NO	1369
(91, 27)	10	(37, 11)	8	1	YES	YES	YES	1419	1370
(91, 27)	10	(91, 27)	10	91	YES	YES	YES	NO	1371
(92, 33)	10	(2, 1)	1	2	YES	YES	YES	NO	1372
(92, 33)	10	(4, 1)	3	4	YES	YES	YES	NO	1373
(92, 35)	10	(8, 3)	4	4	YES	YES	YES	NO	1374
(92, 33)	10	(11, 4)	5	1	YES	YES	YES	958	1375
(92, 33)	10	(39, 14)	8	1	YES	YES	YES	NO	1376
(93, 26)	10	(2, 1)	1	1	YES	YES	YES	NO	1377
(93, 26)	10	(2, 1)	1	1	YES	YES	YES	NO	1378
(93, 26)	10	(3, 1)	2	3	YES	YES	YES	NO	1379
(93, 26)	10	(5, 1)	4	1	YES	YES	YES	NO	1380
(93, 26)	10	(11, 3)	5	1	YES	YES	YES	NO	1381
(93, 26)	10	(18, 5)	6	3	YES	YES	YES	NO	1382
(93, 26)	10	(93, 26)	10	93	YES	YES	YES	NO	1383
(94, 41)	10	(3, 1)	2	1	YES	YES	YES	NO	1384
(96, 17)	12	(5, 2)	3	1	YES	YES	YES	NO	1385
(96, 17)	12	(16, 3)	7	16	YES	YES	YES	NO	1386
(97, 26)	10	(5, 2)	3	1	YES	YES	YES	NO	1387
(97, 35)	10	(5, 1)	4	1	YES	YES	YES	NO	1388
(97, 35)	10	(36, 13)	8	1	YES	YES	YES	NO	1389
(98, 27)	10	(2, 1)	1	2	YES	YES	YES	NO	1390
(98, 27)	10	(2, 1)	1	2	YES	YES	YES	NO	1391
(98, 29)	10	(2, 1)	1	2	YES	YES	YES	NO	1392
(98, 29)	10	(2, 1)	1	2	YES	YES	YES	NO	1393
(98, 29)	10	(3, 1)	2	1	YES	YES	YES	NO	1394
(98, 29)	10	(4, 1)	3	2	YES	YES	YES	NO	1395
(98, 27)	10	(7, 2)	4	7	YES	YES	YES	NO	1396
(98, 29)	10	(7, 2)	4	7	YES	YES	YES	NO	1397
(98, 29)	10	(17, 5)	6	1	YES	YES	YES	NO	1398
(99, 29)	10	(2, 1)	1	1	YES	YES	YES	NO	1399
(99, 29)	10	(2, 1)	1	1	YES	YES	YES	NO	1400
(99, 41)	10	(3, 1)	2	3	YES	YES	YES	NO	1401
(99, 41)	10	(3, 1)	2	3	YES	YES	YES	NO	1402
(99, 29)	10	(4, 1)	3	1	YES	YES	YES	NO	1403
(99, 29)	10	(10, 3)	5	1	YES	YES	YES	NO	1404
(99, 29)	10	(24, 7)	7	3	YES	YES	YES	NO	1405
(99, 29)	10	(41, 12)	8	1	YES	YES	YES	NO	1406
(99, 29)	10	(58, 17)	9	1	YES	YES	YES	NO	1407
(100, 31)	11	(2, 1)	1	2	YES	YES	YES	NO	1408
(100, 37)	10	(3, 1)	2	1	YES	YES	YES	NO	1409
(100, 39)	10	(5, 2)	3	5	YES	YES	YES	1019	1410
(100, 19)	12	(11, 2)	6	1	YES	YES	YES	NO	1411
(101, 30)	10	(2, 1)	1	1	YES	YES	YES	NO	1412

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(101, 37)	10	(3, 1)	2	1	YES	YES	YES	957	1413
(101, 39)	10	(5, 1)	4	1	YES	YES	YES	NO	1414
(101, 39)	10	(5, 1)	4	1	YES	YES	YES	NO	1415
(101, 16)	13	(6, 1)	5	1	YES	YES	YES	NO	1416
(101, 39)	10	(13, 5)	5	1	YES	YES	YES	1137	1417
(101, 44)	10	(23, 10)	7	1	YES	YES	YES	1322	1418
(101, 30)	10	(27, 8)	7	1	YES	YES	YES	1370	1419
(102, 43)	11	(2, 1)	1	2	NO	YES	YES	NO	1420
(102, 23)	11	(14, 3)	6	2	YES	YES	YES	NO	1421
(103, 30)	11	(2, 1)	1	1	YES	YES	YES	NO	1422
(104, 29)	10	(2, 1)	1	2	YES	YES	YES	NO	1423
(104, 29)	10	(11, 3)	5	1	YES	YES	YES	NO	1424
(105, 29)	10	(2, 1)	1	1	YES	YES	YES	NO	1425
(105, 31)	10	(2, 1)	1	1	YES	YES	YES	NO	1426
(105, 31)	10	(2, 1)	1	1	YES	YES	YES	NO	1427
(105, 29)	10	(3, 1)	2	3	YES	YES	YES	NO	1428
(105, 29)	10	(3, 1)	2	3	YES	YES	YES	NO	1429
(105, 31)	10	(3, 1)	2	3	YES	YES	YES	NO	1430
(105, 31)	10	(4, 1)	3	1	YES	YES	YES	NO	1431
(105, 29)	10	(7, 2)	4	7	YES	YES	YES	NO	1432
(105, 31)	10	(7, 2)	4	7	YES	YES	YES	NO	1433
(105, 23)	11	(13, 3)	6	1	YES	YES	YES	NO	1434
(105, 23)	11	(14, 3)	6	7	YES	YES	YES	NO	1435
(105, 31)	10	(17, 5)	6	1	YES	YES	YES	1228	1436
(105, 23)	11	(23, 5)	7	1	YES	YES	YES	NO	1437
(105, 31)	10	(105, 31)	10	105	YES	YES	YES	NO	1438
(106, 31)	10	(2, 1)	1	2	YES	YES	YES	NO	1439
(106, 41)	10	(2, 1)	1	2	YES	YES	YES	NO	1440
(106, 41)	10	(2, 1)	1	2	YES	YES	YES	NO	1441
(106, 31)	10	(3, 1)	2	1	YES	YES	YES	NO	1442
(106, 31)	10	(4, 1)	3	2	YES	YES	YES	NO	1443
(106, 31)	10	(5, 1)	4	1	YES	YES	YES	NO	1444
(106, 31)	10	(7, 2)	4	1	YES	YES	YES	1330	1445
(106, 31)	10	(17, 5)	6	1	YES	YES	YES	NO	1446
(106, 31)	10	(24, 7)	7	2	YES	YES	YES	1360	1447
(106, 31)	10	(41, 12)	8	1	YES	YES	YES	NO	1448
(106, 31)	10	(65, 19)	9	1	YES	YES	YES	NO	1449
(107, 25)	11	(13, 3)	6	1	YES	YES	YES	NO	1450
(109, 30)	10	(2, 1)	1	1	YES	YES	YES	NO	1451
(109, 30)	10	(2, 1)	1	1	YES	YES	YES	NO	1452
(109, 30)	10	(7, 2)	4	1	YES	YES	YES	NO	1453
(109, 30)	10	(11, 3)	5	1	YES	YES	YES	NO	1454
(111, 31)	10	(2, 1)	1	1	YES	YES	YES	NO	1455
(111, 43)	10	(2, 1)	1	1	NO	YES	YES	NO	1456
(111, 25)	11	(3, 1)	2	3	YES	YES	YES	NO	1457
(111, 31)	10	(3, 1)	2	3	YES	YES	YES	NO	1458
(111, 41)	10	(3, 1)	2	3	YES	YES	YES	NO	1459
(111, 31)	10	(18, 5)	6	3	YES	YES	YES	NO	1460
(112, 31)	10	(2, 1)	1	2	YES	YES	YES	NO	1461
(112, 47)	10	(2, 1)	1	2	NO	YES	YES	NO	1462
(113, 24)	11	(19, 4)	7	1	YES	YES	YES	NO	1463
(115, 26)	11	(3, 1)	2	1	YES	YES	YES	NO	1464
(115, 26)	11	(3, 1)	2	1	YES	YES	YES	NO	1465

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
(115, 26)	11	(3, 1)	2	1	YES	YES	YES	NO	1466
(115, 26)	11	(9, 2)	5	1	YES	YES	YES	NO	1467
(115, 26)	11	(31, 7)	8	1	YES	YES	YES	NO	1468
(116, 49)	10	(2, 1)	1	2	NO	YES	YES	NO	1469
(117, 49)	10	(2, 1)	1	1	NO	YES	YES	NO	1470
(117, 31)	11	(3, 1)	2	3	YES	YES	YES	NO	1471
(118, 27)	11	(2, 1)	1	2	YES	YES	YES	NO	1472
(118, 27)	11	(9, 2)	5	1	YES	YES	YES	NO	1473
(119, 50)	10	(2, 1)	1	1	NO	YES	YES	NO	1474
(119, 27)	12	(5, 1)	4	1	YES	YES	YES	NO	1475
(119, 22)	12	(16, 3)	7	1	YES	YES	YES	NO	1476
(124, 23)	12	(2, 1)	1	2	YES	YES	YES	NO	1477
(124, 23)	12	(2, 1)	1	2	YES	YES	YES	NO	1478
(124, 27)	12	(4, 1)	3	4	YES	YES	YES	NO	1479
(124, 23)	12	(5, 1)	4	1	YES	YES	YES	NO	1480
(124, 23)	12	(6, 1)	5	2	YES	YES	YES	NO	1481
(124, 23)	12	(11, 2)	6	1	YES	YES	YES	NO	1482
(124, 23)	12	(16, 3)	7	4	YES	YES	YES	NO	1483
(127, 29)	11	(9, 2)	5	1	YES	YES	YES	NO	1484
(129, 23)	12	(2, 1)	1	1	YES	YES	YES	NO	1485
(129, 23)	12	(2, 1)	1	1	YES	YES	YES	NO	1486
(129, 23)	12	(5, 1)	4	1	YES	YES	YES	NO	1487
(134, 29)	11	(2, 1)	1	2	YES	YES	YES	NO	1488
(134, 29)	11	(2, 1)	1	2	YES	YES	YES	NO	1489
(148, 31)	12	(2, 1)	1	2	YES	YES	YES	NO	1490
(148, 35)	12	(2, 1)	1	2	YES	YES	YES	NO	1491
(148, 31)	12	(4, 1)	3	4	YES	YES	YES	NO	1492
(149, 34)	11	(2, 1)	1	1	YES	YES	YES	NO	1493
(149, 34)	11	(2, 1)	1	1	YES	YES	YES	NO	1494
(149, 34)	11	(9, 2)	5	1	YES	YES	YES	NO	1495
(149, 34)	11	(22, 5)	7	1	YES	YES	YES	NO	1496
(151, 27)	13	(5, 1)	4	1	YES	YES	YES	NO	1497
(154, 65)	11	(2, 1)	1	2	NO	YES	YES	NO	1498
(156, 29)	12	(5, 1)	4	1	YES	YES	YES	NO	1499
$(a; 1, 0, 0; 13)$	5	(11, 3)	5	1	YES	YES	YES	NO	1500
$(a; 1, 1, 1; 4)$	7	(5, 2)	3	1	YES	YES	YES	NO	1501
$(a; 2, 0, 1; 25)$	7	(4, 1)	3	1	YES	YES	YES	NO	1502
$(a; 2, 1, 1; 37)$	8	(3, 1)	2	1	YES	YES	YES	NO	1503
$(a; 2, 1, 1; 37)$	8	(5, 2)	3	1	YES	YES	YES	NO	1504
$(a; 3, 0, 0; 7)$	7	(3, 1)	2	1	YES	YES	YES	NO	1505
$(a; 3, 0, 1; 31)$	8	(2, 1)	1	1	YES	YES	YES	NO	1506
$(a; 3, 0, 1; 31)$	8	(5, 1)	4	1	YES	YES	YES	NO	1507
$(b; 0, 0, 0; 14)$	5	(10, 3)	5	2	YES	YES	YES	NO	1508
$(b; 0, 0, 1; 4)$	6	(7, 3)	4	1	YES	YES	YES	NO	1509
$(b; 0, 1, 0; 19)$	6	(11, 3)	5	1	YES	YES	YES	NO	1510
$(b; 0, 1, 1; 27)$	7	(5, 2)	3	1	YES	YES	YES	NO	1511
$(b; 0, 1, 1; 27)$	7	(7, 3)	4	1	YES	YES	YES	NO	1512
$(b; 0, 1, 3; 43)$	9	(5, 1)	4	1	YES	YES	YES	NO	1513
$(b; 0, 2, 0; 8)$	7	(3, 1)	2	1	YES	YES	YES	NO	1514
$(b; 0, 2, 1; 34)$	8	(5, 2)	3	1	YES	YES	YES	NO	1515
$(b; 0, 3, 0; 29)$	8	(2, 1)	1	1	YES	YES	YES	NO	1516
$(b; 0, 3, 0; 29)$	8	(11, 2)	6	1	YES	YES	YES	NO	1517
$(b; 1, 0, 0; 5)$	6	(7, 3)	4	1	YES	YES	YES	NO	1518

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
$(b; 1, 0, 0; 5)$	6	$(13, 4)$	6	1	YES	YES	YES	NO	1519
$(b; 1, 0, 1; 29)$	7	$(5, 2)$	3	1	YES	YES	YES	NO	1520
$(b; 1, 0, 1; 29)$	7	$(10, 3)$	5	1	YES	YES	YES	NO	1521
$(b; 1, 1, 0; 27)$	7	$(5, 2)$	3	1	YES	YES	YES	NO	1522
$(b; 1, 1, 0; 27)$	7	$(13, 3)$	6	1	YES	YES	YES	NO	1523
$(b; 1, 1, 1; 39)$	8	$(2, 1)$	1	1	YES	YES	YES	NO	1524
$(b; 1, 1, 1; 39)$	8	$(3, 1)$	2	3	YES	YES	YES	NO	1525
$(b; 1, 2, 0; 17)$	8	$(3, 1)$	2	1	YES	YES	YES	NO	1526
$(c; 0, 0, 0; 4)$	4	$(18, 7)$	6	2	YES	YES	YES	NO	1527
$(c; 0, 0, 0; 4)$	4	$(22, 9)$	7	2	YES	YES	YES	NO	1528
$(c; 0, 0, 0; 4)$	4	$(26, 11)$	7	2	YES	YES	YES	NO	1529
$(c; 0, 0, 0; 4)$	4	$(29, 11)$	7	1	YES	YES	YES	NO	1530
$(c; 0, 0, 0; 4)$	4	$(29, 12)$	7	1	YES	YES	YES	NO	1531
$(c; 0, 0, 0; 4)$	4	$(31, 9)$	8	1	YES	YES	YES	NO	1532
$(c; 0, 0, 0; 4)$	4	$(31, 12)$	7	1	YES	YES	YES	NO	1533
$(c; 0, 0, 0; 4)$	4	$(34, 13)$	7	2	YES	YES	YES	NO	1534
$(c; 0, 1, 0; 11)$	5	$(9, 4)$	5	1	YES	YES	YES	NO	1535
$(c; 0, 1, 0; 11)$	5	$(13, 5)$	5	1	YES	YES	YES	NO	1536
$(c; 0, 1, 0; 11)$	5	$(17, 7)$	6	1	YES	YES	YES	NO	1537
$(c; 0, 1, 0; 11)$	5	$(18, 7)$	6	1	YES	YES	YES	NO	1538
$(c; 0, 1, 0; 11)$	5	$(19, 7)$	6	1	YES	YES	YES	NO	1539
$(c; 0, 1, 0; 11)$	5	$(21, 8)$	6	1	YES	YES	YES	NO	1540
$(c; 0, 1, 0; 11)$	5	$(24, 7)$	7	1	YES	YES	YES	NO	1541
$(c; 0, 1, 0; 11)$	5	$(47, 11)$	9	1	YES	YES	YES	NO	1542
$(c; 0, 1, 1; 5)$	6	$(13, 5)$	5	1	YES	YES	YES	NO	1543
$(c; 0, 1, 1; 5)$	6	$(17, 5)$	6	1	YES	YES	YES	NO	1544
$(c; 0, 2, 0; 7)$	6	$(5, 2)$	3	1	YES	YES	YES	NO	1545
$(c; 0, 2, 0; 7)$	6	$(7, 3)$	4	7	YES	YES	YES	NO	1546
$(c; 0, 2, 0; 7)$	6	$(8, 3)$	4	1	YES	YES	YES	NO	1547
$(c; 0, 2, 0; 7)$	6	$(9, 2)$	5	1	YES	YES	YES	NO	1548
$(c; 0, 2, 0; 7)$	6	$(9, 4)$	5	1	YES	YES	YES	NO	1549
$(c; 0, 2, 0; 7)$	6	$(13, 4)$	6	1	YES	YES	YES	NO	1550
$(c; 0, 2, 0; 7)$	6	$(13, 5)$	5	1	YES	YES	YES	NO	1551
$(c; 0, 2, 0; 7)$	6	$(15, 4)$	6	1	YES	YES	YES	NO	1552
$(c; 0, 2, 0; 7)$	6	$(17, 4)$	7	1	YES	YES	YES	NO	1553
$(c; 0, 2, 0; 7)$	6	$(17, 5)$	6	1	YES	YES	YES	NO	1554
$(c; 0, 2, 0; 7)$	6	$(18, 5)$	6	1	YES	YES	YES	NO	1555
$(c; 0, 2, 0; 7)$	6	$(22, 5)$	7	1	YES	YES	YES	NO	1556
$(c; 0, 2, 1; 19)$	7	$(3, 1)$	2	1	YES	YES	YES	NO	1557
$(c; 0, 2, 1; 19)$	7	$(4, 1)$	3	1	YES	YES	YES	NO	1558
$(c; 0, 2, 1; 19)$	7	$(9, 2)$	5	1	YES	YES	YES	NO	1559
$(c; 0, 2, 1; 19)$	7	$(10, 3)$	5	1	YES	YES	YES	NO	1560
$(c; 0, 2, 1; 19)$	7	$(17, 4)$	7	1	YES	YES	YES	NO	1561
$(c; 0, 2, 2; 6)$	8	$(3, 1)$	2	3	YES	YES	YES	NO	1562
$(c; 0, 2, 2; 6)$	8	$(5, 1)$	4	1	YES	YES	YES	NO	1563
$(c; 0, 2, 2; 6)$	8	$(7, 2)$	4	1	YES	YES	YES	NO	1564
$(c; 0, 3, 1; 23)$	8	$(2, 1)$	1	1	YES	YES	YES	NO	1565
$(c; 0, 3, 1; 23)$	8	$(3, 1)$	2	1	YES	YES	YES	NO	1566
$(c; 0, 3, 1; 23)$	8	$(5, 1)$	4	1	YES	YES	YES	NO	1567
$(c; 0, 3, 1; 23)$	8	$(6, 1)$	5	1	YES	YES	YES	NO	1568
$(c; 0, 3, 2; 29)$	9	$(3, 1)$	2	1	YES	YES	YES	NO	1569
$(c; 0, 3, 2; 29)$	9	$(6, 1)$	5	1	YES	YES	YES	NO	1570
$(d; 0, 0, 0; 5)$	5	$(9, 4)$	5	1	YES	YES	YES	NO	1571

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
$(d; 0, 0, 0; 5)$	5	$(13, 5)$	5	1	YES	YES	YES	NO	1572
$(d; 0, 0, 0; 5)$	5	$(17, 5)$	6	1	YES	YES	YES	NO	1573
$(d; 0, 0, 0; 5)$	5	$(17, 7)$	6	1	YES	YES	YES	NO	1574
$(d; 0, 0, 0; 5)$	5	$(18, 7)$	6	1	YES	YES	YES	NO	1575
$(d; 0, 0, 0; 5)$	5	$(19, 8)$	6	1	YES	YES	YES	NO	1576
$(d; 0, 0, 0; 5)$	5	$(21, 8)$	6	1	YES	YES	YES	NO	1577
$(d; 0, 0, 0; 5)$	5	$(24, 7)$	7	1	YES	YES	YES	NO	1578
$(d; 0, 0, 0; 5)$	5	$(29, 8)$	7	1	YES	YES	YES	NO	1579
$(d; 0, 0, 1; 14)$	6	$(12, 5)$	5	2	YES	YES	YES	NO	1580
$(d; 0, 0, 1; 14)$	6	$(13, 4)$	6	1	YES	YES	YES	NO	1581
$(d; 0, 0, 1; 14)$	6	$(13, 5)$	5	1	YES	YES	YES	NO	1582
$(d; 0, 0, 2; 9)$	7	$(3, 1)$	2	3	YES	YES	YES	NO	1583
$(d; 0, 0, 3; 22)$	8	$(2, 1)$	1	2	YES	YES	YES	NO	1584
$(d; 0, 0, 3; 22)$	8	$(6, 1)$	5	2	YES	YES	YES	NO	1585
$(d; 0, 1, 0; 6)$	6	$(9, 2)$	5	3	YES	YES	YES	NO	1586
$(d; 0, 1, 0; 6)$	6	$(12, 5)$	5	6	YES	YES	YES	NO	1587
$(d; 0, 1, 0; 6)$	6	$(13, 4)$	6	1	YES	YES	YES	NO	1588
$(d; 0, 1, 0; 6)$	6	$(13, 5)$	5	1	YES	YES	YES	NO	1589
$(d; 0, 1, 0; 6)$	6	$(15, 4)$	6	3	YES	YES	YES	NO	1590
$(d; 0, 1, 2; 11)$	8	$(2, 1)$	1	1	YES	YES	YES	NO	1591
$(d; 0, 1, 2; 11)$	8	$(5, 1)$	4	1	YES	YES	YES	NO	1592
$(d; 0, 1, 2; 11)$	8	$(7, 2)$	4	1	YES	YES	YES	NO	1593
$(d; 0, 1, 3; 27)$	9	$(2, 1)$	1	1	YES	YES	YES	NO	1594
$(d; 0, 2, 2; 13)$	9	$(2, 1)$	1	1	YES	YES	YES	NO	1595
$(d; 0, 2, 2; 13)$	9	$(6, 1)$	5	1	YES	YES	YES	NO	1596
$(e; 0, 0, 0; 4)$	5	$(7, 3)$	4	1	YES	YES	YES	NO	1597
$(e; 0, 0, 0; 4)$	5	$(10, 3)$	5	2	YES	YES	YES	NO	1598
$(e; 0, 0, 0; 4)$	5	$(17, 5)$	6	1	YES	YES	YES	NO	1599
$(e; 0, 1, 0; 5)$	6	$(3, 1)$	2	1	YES	YES	YES	NO	1600
$(e; 0, 3, 0; 7)$	8	$(2, 1)$	1	1	YES	YES	YES	NO	1601
$(e; 0, 3, 0; 7)$	8	$(6, 1)$	5	1	YES	YES	YES	NO	1602
$(e; 0, 3, 0; 7)$	8	$(11, 2)$	6	1	YES	YES	YES	NO	1603
$(e; 1, 0, 0; 18)$	6	$(7, 3)$	4	1	YES	YES	YES	NO	1604
$(e; 1, 0, 0; 18)$	6	$(8, 3)$	4	2	YES	YES	YES	NO	1605
$(e; 1, 0, 0; 18)$	6	$(10, 3)$	5	2	YES	YES	YES	NO	1606
$(e; 1, 1, 0; 23)$	7	$(5, 2)$	3	1	YES	YES	YES	NO	1607
$(e; 1, 1, 0; 23)$	7	$(7, 3)$	4	1	YES	YES	YES	NO	1608
$(e; 2, 0, 0; 24)$	7	$(2, 1)$	1	2	YES	YES	NO(2)	NO	1609
$(f; 0, 0, 0; 6)$	4	$(11, 4)$	5	1	YES	YES	NO(2)	NO	1610
$(f; 0, 0, 0; 6)$	4	$(12, 5)$	5	6	YES	YES	YES	NO	1611
$(f; 0, 0, 0; 6)$	4	$(13, 4)$	6	1	YES	YES	YES	NO	1612
$(f; 0, 0, 0; 6)$	4	$(16, 5)$	7	2	YES	YES	YES	NO	1613
$(f; 0, 0, 0; 6)$	4	$(18, 7)$	6	6	YES	YES	YES	NO	1614
$(f; 0, 0, 0; 6)$	4	$(27, 10)$	7	3	YES	YES	YES	NO	1615
$(f; 0, 0, 0; 6)$	4	$(29, 11)$	7	1	YES	YES	YES	NO	1616
$(f; 0, 0, 0; 6)$	4	$(40, 11)$	8	2	YES	YES	YES	NO	1617
$(f; 0, 0, 0; 6)$	4	$(44, 17)$	8	2	YES	YES	YES	NO	1618
$(f; 0, 1, 0; 7)$	5	$(10, 3)$	5	1	YES	YES	YES	NO	1619
$(g; 0, 0, 0; 19)$	6	$(7, 3)$	4	1	YES	YES	YES	NO	1620
$(g; 0, 0, 0; 19)$	6	$(8, 3)$	4	1	YES	YES	YES	NO	1621
$(g; 0, 0, 0; 19)$	6	$(13, 4)$	6	1	YES	YES	YES	NO	1622
$(g; 0, 0, 1; 26)$	7	$(5, 2)$	3	1	YES	YES	YES	NO	1623
$(g; 0, 0, 2; 11)$	8	$(2, 1)$	1	1	YES	YES	YES	NO	1624

(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
$(g; 0, 0, 2; 11)$	8	$(3, 1)$	2	1	YES	YES	YES	NO	1625
$(g; 0, 0, 2; 11)$	8	$(5, 1)$	4	1	YES	YES	YES	NO	1626
$(g; 0, 0, 2; 11)$	8	$(11, 2)$	6	11	YES	YES	YES	NO	1627
$(g; 0, 1, 0; 24)$	7	$(5, 2)$	3	1	YES	YES	YES	NO	1628
$(g; 0, 1, 0; 24)$	7	$(13, 3)$	6	1	YES	YES	YES	NO	1629
$(g; 0, 2, 0; 29)$	8	$(2, 1)$	1	1	YES	YES	YES	NO	1630
$(g; 0, 2, 0; 29)$	8	$(5, 1)$	4	1	YES	YES	YES	NO	1631
$(g; 1, 0, 0; 7)$	7	$(5, 2)$	3	1	YES	YES	YES	NO	1632
$(g; 1, 0, 1; 38)$	8	$(2, 1)$	1	2	YES	YES	YES	NO	1633
$(g; 1, 0, 1; 38)$	8	$(4, 1)$	3	2	YES	YES	YES	NO	1634
$(g; 1, 1, 0; 9)$	8	$(2, 1)$	1	1	YES	YES	YES	NO	1635
$(h; 0, 0, 0; 6)$	5	$(8, 3)$	4	2	YES	YES	YES	NO	1636
$(h; 0, 0, 0; 6)$	5	$(10, 3)$	5	2	YES	YES	YES	NO	1637
$(h; 0, 0, 0; 6)$	5	$(12, 5)$	5	6	YES	YES	YES	NO	1638
$(h; 0, 0, 0; 6)$	5	$(13, 5)$	5	1	YES	YES	YES	NO	1639
$(h; 0, 1, 0; 8)$	6	$(7, 3)$	4	1	YES	YES	YES	NO	1640
$(h; 0, 1, 0; 8)$	6	$(13, 4)$	6	1	YES	YES	YES	NO	1641
$(i; 0, 0, 0; 9)$	5	$(5, 2)$	3	1	YES	YES	NO(2)	NO	1642
$(i; 0, 0, 0; 9)$	5	$(7, 2)$	4	1	YES	YES	YES	NO	1643
$(i; 0, 0, 0; 9)$	5	$(8, 3)$	4	1	YES	YES	YES	NO	1644
$(i; 0, 0, 0; 9)$	5	$(10, 3)$	5	1	YES	YES	YES	NO	1645
$(i; 0, 0, 0; 9)$	5	$(17, 5)$	6	1	YES	YES	YES	NO	1646
$(i; 0, 0, 0; 9)$	5	$(18, 5)$	6	9	YES	YES	YES	NO	1647
$(i; 0, 0, 0; 9)$	5	$(19, 4)$	7	1	YES	YES	YES	NO	1648
$(i; 0, 1, 0; 12)$	6	$(4, 1)$	3	4	YES	YES	YES	NO	1649
$(i; 0, 1, 0; 12)$	6	$(7, 3)$	4	1	YES	YES	YES	NO	1650
$(i; 0, 1, 0; 12)$	6	$(10, 3)$	5	2	YES	YES	YES	NO	1651
$(i; 0, 1, 0; 12)$	6	$(11, 3)$	5	1	YES	YES	YES	NO	1652
$(i; 0, 2, 0; 15)$	7	$(3, 1)$	2	3	YES	YES	YES	NO	1653
$(i; 0, 2, 0; 15)$	7	$(13, 3)$	6	1	YES	YES	YES	NO	1654
$(j; 0, 0, 0; 8)$	5	$(8, 3)$	4	8	YES	YES	YES	NO	1655
$(j; 0, 0, 0; 8)$	5	$(9, 4)$	5	1	YES	YES	YES	NO	1656
$(j; 0, 0, 0; 8)$	5	$(10, 3)$	5	2	YES	YES	YES	NO	1657
$(j; 0, 0, 0; 8)$	5	$(11, 4)$	5	1	YES	YES	YES	NO	1658
$(j; 0, 0, 0; 8)$	5	$(17, 7)$	6	1	YES	YES	YES	NO	1659
$(j; 0, 0, 0; 8)$	5	$(23, 7)$	7	1	YES	YES	YES	NO	1660
$(j; 0, 0, 0; 8)$	5	$(24, 7)$	7	8	YES	YES	YES	NO	1661
$(j; 0, 1, 0; 10)$	6	$(9, 4)$	5	1	YES	YES	YES	NO	1662
$(j; 0, 1, 0; 10)$	6	$(11, 4)$	5	1	YES	YES	YES	NO	1663
$(j; 0, 1, 0; 10)$	6	$(18, 7)$	6	2	YES	YES	YES	NO	1664

4.8 2 chains, $K^2 = 3$

2 chains, $K^2 = 3$									
(n, a)	Length	(n, a)	Length	GCD	Nef	Q-ef	Obstruction 0	WH	Index
$(16, 7)$	6	$(14, 5)$	6	2	YES	YES	YES	NO	1665
$(18, 7)$	6	$(11, 4)$	5	1	YES	YES	NO(2)	NO	1666
$(19, 8)$	6	$(12, 5)$	5	1	YES	YES	YES	NO	1667
$(22, 9)$	7	$(11, 3)$	5	11	YES	YES	NO(2)	NO	1668
$(22, 9)$	7	$(11, 3)$	5	11	YES	YES	NO(2)	NO	1669
$(23, 9)$	7	$(16, 5)$	7	1	YES	YES	YES	NO	1670
$(23, 9)$	7	$(16, 5)$	7	1	YES	YES	YES	NO	1671
$(23, 10)$	7	$(18, 7)$	6	1	YES	YES	NO(2)	NO	1672

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(25, 9)	7	(21, 5)	8	1	YES	YES	YES	NO	1673
(25, 9)	7	(21, 5)	8	1	YES	YES	YES	NO	1674
(25, 7)	7	(23, 10)	7	1	YES	YES	NO(2)	NO	1675
(26, 11)	7	(7, 3)	4	1	YES	YES	NO(2)	NO	1676
(26, 11)	7	(9, 4)	5	1	YES	YES	NO(2)	NO	1677
(26, 11)	7	(24, 5)	8	2	YES	YES	YES	NO	1678
(27, 8)	7	(10, 3)	5	1	YES	YES	NO(2)	NO	1679
(27, 10)	7	(11, 5)	6	1	YES	YES	YES	NO	1680
(27, 11)	8	(13, 4)	6	1	YES	YES	YES	NO	1681
(27, 11)	8	(13, 4)	6	1	YES	YES	YES	NO	1682
(27, 8)	7	(21, 8)	6	3	YES	YES	YES	NO	1683
(27, 8)	7	(21, 8)	6	3	YES	YES	YES	NO	1684
(27, 10)	7	(21, 8)	6	3	YES	YES	YES	NO	1685
(28, 11)	8	(27, 8)	7	1	YES	YES	YES	NO	1686
(29, 13)	8	(14, 5)	6	1	YES	YES	YES	NO	1687
(29, 12)	7	(16, 5)	7	1	YES	YES	YES	NO	1688
(29, 12)	7	(17, 5)	6	1	YES	YES	YES	NO	1689
(29, 8)	7	(21, 8)	6	1	YES	YES	YES	NO	1690
(29, 8)	7	(24, 7)	7	1	YES	YES	YES	NO	1691
(29, 8)	7	(24, 7)	7	1	YES	YES	YES	NO	1692
(29, 12)	7	(27, 10)	7	1	YES	YES	YES	NO	1693
(29, 8)	7	(28, 11)	8	1	YES	YES	YES	NO	1694
(29, 12)	7	(29, 8)	7	29	YES	YES	YES	NO	1695
(29, 12)	7	(29, 11)	7	29	YES	YES	YES	NO	1696
(30, 13)	8	(9, 4)	5	3	YES	YES	NO(2)	NO	1697
(30, 11)	7	(25, 7)	7	5	YES	YES	YES	NO	1698
(30, 11)	7	(25, 7)	7	5	YES	YES	YES	NO	1699
(31, 7)	8	(13, 4)	6	1	YES	YES	YES	NO	1700
(31, 9)	8	(17, 4)	7	1	YES	YES	YES	NO	1701
(31, 9)	8	(17, 4)	7	1	YES	YES	YES	NO	1702
(31, 9)	8	(24, 7)	7	1	YES	YES	YES	NO	1703
(31, 13)	7	(24, 7)	7	1	YES	YES	YES	NO	1704
(31, 13)	7	(25, 7)	7	1	YES	YES	YES	NO	1705
(31, 7)	8	(26, 11)	7	1	YES	YES	YES	NO	1706
(31, 12)	7	(26, 11)	7	1	YES	YES	YES	NO	1707
(31, 12)	7	(27, 8)	7	1	YES	YES	YES	NO	1708
(31, 12)	7	(28, 11)	8	1	YES	YES	YES	NO	1709
(31, 9)	8	(29, 11)	7	1	YES	YES	YES	NO	1710
(32, 9)	8	(24, 7)	7	8	YES	YES	YES	NO	1711
(33, 10)	8	(9, 4)	5	3	YES	YES	YES	NO	1712
(33, 10)	8	(9, 4)	5	3	YES	YES	YES	NO	1713
(33, 14)	8	(23, 4)	8	1	YES	YES	YES	NO	1714
(33, 10)	8	(24, 7)	7	3	YES	YES	YES	NO	1715
(33, 10)	8	(25, 7)	7	1	YES	YES	YES	NO	1716
(33, 10)	8	(31, 12)	7	1	YES	YES	YES	NO	1717
(34, 13)	7	(12, 5)	5	2	YES	YES	YES	NO	1718
(34, 13)	7	(17, 5)	6	17	YES	YES	YES	NO	1719
(34, 13)	7	(17, 5)	6	17	YES	YES	YES	NO	1720
(34, 13)	7	(23, 9)	7	1	YES	YES	YES	NO	1721
(34, 13)	7	(25, 7)	7	1	YES	YES	YES	NO	1722
(34, 13)	7	(25, 7)	7	1	YES	YES	YES	NO	1723
(34, 13)	7	(31, 12)	7	1	YES	YES	YES	NO	1724
(34, 15)	8	(32, 7)	8	2	YES	YES	YES	NO	1725

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(35, 13)	8	(9, 4)	5	1	YES	YES	NO(2)	NO	1726
(35, 13)	8	(31, 7)	8	1	YES	YES	YES	NO	1727
(35, 13)	8	(35, 8)	8	35	YES	YES	YES	NO	1728
(36, 13)	8	(9, 4)	5	9	YES	YES	YES	NO	1729
(36, 13)	8	(9, 4)	5	9	YES	YES	YES	NO	1730
(36, 13)	8	(11, 5)	6	1	YES	YES	YES	NO	1731
(36, 11)	8	(24, 7)	7	12	YES	YES	YES	NO	1732
(36, 11)	8	(24, 7)	7	12	YES	YES	YES	NO	1733
(36, 11)	8	(25, 7)	7	1	YES	YES	YES	NO	1734
(36, 11)	8	(25, 7)	7	1	YES	YES	YES	NO	1735
(37, 11)	8	(7, 3)	4	1	YES	YES	NO(2)	NO	1736
(37, 14)	8	(9, 4)	5	1	YES	YES	NO(2)	NO	1737
(37, 11)	8	(17, 7)	6	1	YES	YES	YES	NO	1738
(37, 14)	8	(17, 5)	6	1	YES	YES	YES	NO	1739
(37, 14)	8	(17, 5)	6	1	YES	YES	YES	NO	1740
(37, 14)	8	(31, 7)	8	1	YES	YES	YES	NO	1741
(37, 14)	8	(32, 7)	8	1	YES	YES	YES	NO	1742
(37, 14)	8	(32, 7)	8	1	YES	YES	YES	NO	1743
(37, 8)	8	(35, 13)	8	1	YES	YES	YES	NO	1744
(38, 9)	9	(11, 4)	5	1	YES	YES	YES	NO	1745
(38, 9)	9	(11, 4)	5	1	YES	YES	YES	NO	1746
(39, 14)	8	(5, 2)	3	1	YES	YES	YES	NO	1747
(39, 16)	8	(17, 5)	6	1	YES	YES	YES	NO	1748
(39, 16)	8	(21, 5)	8	3	YES	YES	YES	NO	1749
(39, 16)	8	(21, 8)	6	3	YES	YES	YES	NO	1750
(39, 14)	8	(24, 7)	7	3	YES	YES	YES	NO	1751
(39, 14)	8	(31, 12)	7	1	YES	YES	YES	1919	1752
(39, 7)	9	(38, 11)	9	1	YES	YES	YES	NO	1753
(39, 11)	9	(38, 7)	9	1	YES	YES	YES	NO	1754
(40, 11)	8	(17, 4)	7	1	YES	YES	YES	NO	1755
(40, 11)	8	(17, 5)	6	1	YES	YES	YES	NO	1756
(40, 9)	9	(18, 7)	6	2	YES	YES	YES	NO	1757
(40, 9)	9	(18, 7)	6	2	YES	YES	YES	NO	1758
(40, 9)	9	(21, 8)	6	1	YES	YES	YES	NO	1759
(40, 9)	9	(21, 8)	6	1	YES	YES	YES	NO	1760
(40, 11)	8	(23, 10)	7	1	YES	YES	YES	NO	1761
(40, 11)	8	(23, 10)	7	1	YES	YES	YES	NO	1762
(40, 9)	9	(24, 7)	7	8	YES	YES	YES	NO	1763
(40, 11)	8	(27, 10)	7	1	YES	YES	YES	NO	1764
(40, 11)	8	(31, 9)	8	1	YES	YES	YES	NO	1765
(40, 11)	8	(32, 9)	8	8	YES	YES	YES	NO	1766
(41, 16)	8	(9, 4)	5	1	YES	YES	YES	NO	1767
(41, 17)	8	(17, 5)	6	1	YES	YES	YES	NO	1768
(41, 16)	8	(21, 8)	6	1	YES	YES	YES	NO	1769
(41, 17)	8	(22, 5)	7	1	YES	YES	YES	NO	1770
(41, 12)	8	(23, 9)	7	1	YES	YES	YES	NO	1771
(41, 12)	8	(29, 12)	7	1	YES	YES	YES	NO	1772
(41, 17)	8	(29, 8)	7	1	YES	YES	YES	NO	1773
(41, 17)	8	(29, 8)	7	1	YES	YES	YES	NO	1774
(41, 12)	8	(31, 12)	7	1	YES	YES	YES	NO	1775
(41, 17)	8	(31, 7)	8	1	YES	YES	YES	NO	1776
(43, 18)	8	(15, 4)	6	1	YES	YES	YES	NO	1777
(43, 18)	8	(17, 4)	7	1	YES	YES	YES	NO	1778

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(43, 12)	8	(18, 5)	6	1	YES	YES	YES	NO	1779
(43, 12)	8	(18, 5)	6	1	YES	YES	YES	NO	1780
(43, 12)	8	(21, 8)	6	1	YES	YES	YES	NO	1781
(43, 12)	8	(21, 8)	6	1	YES	YES	YES	NO	1782
(43, 13)	9	(21, 8)	6	1	YES	YES	YES	NO	1783
(43, 16)	9	(25, 9)	7	1	YES	YES	YES	NO	1784
(43, 10)	9	(26, 11)	7	1	YES	YES	YES	NO	1785
(43, 13)	9	(37, 8)	8	1	YES	YES	YES	NO	1786
(44, 13)	8	(13, 5)	5	1	YES	YES	YES	NO	1787
(44, 13)	8	(13, 5)	5	1	YES	YES	YES	NO	1788
(44, 17)	8	(19, 5)	7	1	YES	YES	YES	NO	1789
(44, 17)	8	(19, 5)	7	1	YES	YES	YES	NO	1790
(44, 17)	8	(21, 5)	8	1	YES	YES	YES	NO	1791
(44, 17)	8	(21, 5)	8	1	YES	YES	YES	NO	1792
(44, 13)	8	(24, 7)	7	4	YES	YES	YES	NO	1793
(44, 13)	8	(43, 10)	9	1	YES	YES	YES	NO	1794
(45, 17)	9	(6, 1)	5	3	YES	YES	YES	NO	1795
(45, 17)	9	(7, 3)	4	1	YES	YES	YES	NO	1796
(45, 17)	9	(12, 5)	5	3	YES	YES	YES	NO	1797
(45, 19)	8	(29, 11)	7	1	YES	YES	YES	NO	1798
(46, 17)	8	(17, 7)	6	1	YES	YES	YES	NO	1799
(46, 19)	8	(24, 7)	7	2	YES	YES	YES	NO	1800
(46, 17)	8	(26, 11)	7	2	YES	YES	YES	NO	1801
(46, 17)	8	(31, 13)	7	1	YES	YES	YES	NO	1802
(46, 17)	8	(44, 17)	8	2	YES	YES	YES	NO	1803
(47, 13)	8	(17, 4)	7	1	YES	YES	YES	NO	1804
(47, 13)	8	(17, 7)	6	1	YES	YES	YES	NO	1805
(47, 18)	8	(17, 5)	6	1	YES	YES	YES	NO	1806
(47, 18)	8	(18, 5)	6	1	YES	YES	YES	NO	1807
(47, 18)	8	(18, 7)	6	1	YES	YES	YES	NO	1808
(47, 13)	8	(21, 8)	6	1	YES	YES	YES	NO	1809
(47, 13)	8	(23, 9)	7	1	YES	YES	YES	NO	1810
(47, 13)	8	(23, 9)	7	1	YES	YES	YES	NO	1811
(47, 10)	9	(31, 9)	8	1	YES	YES	YES	NO	1812
(47, 14)	9	(38, 7)	9	1	YES	YES	YES	NO	1813
(48, 13)	9	(11, 3)	5	1	YES	YES	YES	NO	1814
(48, 11)	9	(27, 10)	7	3	YES	YES	YES	NO	1815
(48, 13)	9	(32, 7)	8	16	YES	YES	YES	NO	1816
(48, 11)	9	(41, 11)	8	1	YES	YES	YES	NO	1817
(49, 15)	9	(5, 2)	3	1	YES	YES	NO(2)	NO	1818
(49, 15)	9	(7, 2)	4	7	YES	YES	YES	NO	1819
(49, 15)	9	(7, 2)	4	7	YES	YES	YES	NO	1820
(49, 15)	9	(13, 5)	5	1	YES	YES	YES	NO	1821
(49, 18)	8	(13, 5)	5	1	YES	YES	YES	NO	1822
(49, 19)	8	(16, 5)	7	1	YES	YES	YES	NO	1823
(49, 19)	8	(16, 5)	7	1	YES	YES	YES	NO	1824
(49, 19)	8	(17, 6)	7	1	YES	YES	YES	NO	1825
(49, 19)	8	(18, 7)	6	1	YES	YES	YES	NO	1826
(49, 19)	8	(23, 7)	7	1	YES	YES	YES	NO	1827
(49, 19)	8	(25, 7)	7	1	YES	YES	YES	NO	1828
(49, 18)	8	(31, 12)	7	1	YES	YES	YES	NO	1829
(49, 13)	9	(37, 11)	8	1	YES	YES	YES	2076	1830
(49, 15)	9	(41, 12)	8	1	YES	YES	YES	NO	1831

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(49, 13)	9	(44, 13)	8	1	YES	YES	YES	NO	1832
(50, 21)	8	(2, 1)	1	2	YES	YES	NO(2)	NO	1833
(50, 19)	8	(12, 5)	5	2	YES	YES	YES	NO	1834
(50, 19)	8	(17, 6)	7	1	YES	YES	YES	NO	1835
(50, 19)	8	(18, 7)	6	2	YES	YES	YES	NO	1836
(50, 21)	8	(18, 7)	6	2	YES	YES	YES	NO	1837
(50, 19)	8	(24, 7)	7	2	YES	YES	YES	NO	1838
(51, 16)	10	(5, 1)	4	1	YES	YES	YES	NO	1839
(51, 16)	10	(5, 1)	4	1	YES	YES	YES	NO	1840
(51, 16)	10	(5, 1)	4	1	YES	YES	YES	NO	1841
(51, 11)	9	(22, 9)	7	1	YES	YES	YES	NO	1842
(51, 11)	9	(23, 9)	7	1	YES	YES	YES	NO	1843
(51, 11)	9	(23, 9)	7	1	YES	YES	YES	NO	1844
(52, 19)	9	(16, 3)	7	4	YES	YES	YES	NO	1845
(53, 16)	10	(9, 4)	5	1	YES	YES	YES	NO	1846
(53, 19)	9	(18, 7)	6	1	YES	YES	YES	NO	1847
(53, 12)	9	(21, 8)	6	1	YES	YES	YES	NO	1848
(53, 20)	10	(49, 19)	8	1	YES	YES	YES	NO	1849
(55, 23)	9	(9, 4)	5	1	YES	YES	YES	NO	1850
(55, 21)	8	(10, 3)	5	5	YES	YES	YES	NO	1851
(55, 21)	8	(11, 3)	5	11	YES	YES	YES	NO	1852
(55, 21)	8	(13, 5)	5	1	YES	YES	YES	NO	1853
(55, 21)	8	(17, 7)	6	1	YES	YES	YES	NO	1854
(55, 16)	9	(18, 7)	6	1	YES	YES	YES	NO	1855
(55, 21)	8	(18, 5)	6	1	YES	YES	YES	NO	1856
(55, 21)	8	(18, 7)	6	1	YES	YES	YES	NO	1857
(55, 23)	9	(18, 7)	6	1	YES	YES	YES	NO	1858
(55, 24)	9	(18, 7)	6	1	YES	YES	YES	NO	1859
(55, 13)	10	(21, 8)	6	1	YES	YES	YES	NO	1860
(55, 21)	8	(25, 7)	7	5	YES	YES	YES	NO	1861
(56, 13)	10	(18, 7)	6	2	YES	YES	YES	NO	1862
(56, 17)	9	(29, 8)	7	1	YES	YES	YES	NO	1863
(56, 13)	10	(51, 11)	9	1	YES	YES	YES	NO	1864
(57, 16)	9	(19, 7)	6	19	YES	YES	YES	NO	1865
(57, 22)	9	(23, 5)	7	1	YES	YES	YES	NO	1866
(57, 13)	9	(30, 11)	7	3	YES	YES	YES	NO	1867
(58, 17)	9	(11, 3)	5	1	YES	YES	YES	NO	1868
(58, 17)	9	(13, 3)	6	1	YES	YES	YES	NO	1869
(58, 17)	9	(17, 7)	6	1	YES	YES	YES	NO	1870
(58, 17)	9	(19, 7)	6	1	YES	YES	YES	NO	1871
(58, 21)	10	(39, 14)	8	1	YES	YES	YES	NO	1872
(58, 17)	9	(40, 11)	8	2	YES	YES	YES	NO	1873
(59, 23)	9	(12, 5)	5	1	YES	YES	YES	NO	1874
(59, 11)	10	(32, 9)	8	1	YES	YES	YES	NO	1875
(59, 18)	9	(40, 11)	8	1	YES	YES	YES	NO	1876
(59, 25)	9	(55, 23)	9	1	YES	YES	YES	NO	1877
(60, 23)	9	(4, 1)	3	4	YES	YES	YES	NO	1878
(60, 23)	9	(10, 3)	5	10	YES	YES	YES	NO	1879
(60, 23)	9	(13, 5)	5	1	YES	YES	YES	NO	1880
(60, 11)	11	(14, 5)	6	2	YES	YES	YES	NO	1881
(60, 23)	9	(18, 5)	6	6	YES	YES	YES	NO	1882
(60, 13)	9	(23, 9)	7	1	YES	YES	YES	NO	1883
(60, 23)	9	(27, 5)	8	3	YES	YES	YES	NO	1884

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(60, 13)	9	(31, 9)	8	1	YES	YES	YES	NO	1885
(61, 25)	9	(2, 1)	1	1	YES	YES	NO(2)	NO	1886
(61, 25)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	1887
(61, 25)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	1888
(61, 25)	9	(5, 1)	4	1	YES	YES	NO(2)	NO	1889
(61, 25)	9	(7, 3)	4	1	YES	YES	YES	NO	1890
(61, 17)	9	(9, 4)	5	1	YES	YES	NO(2)	NO	1891
(61, 18)	9	(10, 3)	5	1	YES	YES	YES	NO	1892
(61, 18)	9	(10, 3)	5	1	YES	YES	YES	NO	1893
(61, 22)	9	(10, 3)	5	1	YES	YES	YES	NO	1894
(61, 25)	9	(10, 3)	5	1	YES	YES	YES	NO	1895
(61, 25)	9	(10, 3)	5	1	YES	YES	YES	NO	1896
(61, 17)	9	(12, 5)	5	1	YES	YES	YES	NO	1897
(61, 17)	9	(13, 4)	6	1	YES	YES	YES	NO	1898
(61, 18)	9	(13, 5)	5	1	YES	YES	YES	NO	1899
(61, 25)	9	(13, 4)	6	1	YES	YES	YES	NO	1900
(61, 17)	9	(17, 7)	6	1	YES	YES	YES	NO	1901
(61, 18)	9	(17, 5)	6	1	YES	YES	YES	NO	1902
(61, 17)	9	(19, 8)	6	1	YES	YES	YES	NO	1903
(61, 17)	9	(21, 8)	6	1	YES	YES	YES	NO	1904
(61, 25)	9	(22, 9)	7	1	YES	YES	NO(2)	NO	1905
(61, 18)	9	(33, 7)	8	1	YES	YES	YES	NO	1906
(61, 17)	9	(37, 11)	8	1	YES	YES	YES	NO	1907
(61, 14)	10	(47, 10)	9	1	YES	YES	YES	NO	1908
(61, 14)	10	(51, 11)	9	1	YES	YES	YES	NO	1909
(62, 27)	9	(15, 4)	6	1	YES	YES	YES	NO	1910
(63, 26)	9	(10, 3)	5	1	YES	YES	YES	NO	1911
(64, 25)	9	(2, 1)	1	2	YES	YES	NO(2)	NO	1912
(64, 27)	9	(2, 1)	1	2	YES	YES	NO(2)	NO	1913
(64, 25)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	1914
(64, 25)	9	(3, 1)	2	1	YES	YES	NO(2)	NO	1915
(64, 25)	9	(5, 1)	4	1	YES	YES	NO(2)	NO	1916
(64, 23)	9	(10, 3)	5	2	YES	YES	YES	NO	1917
(64, 19)	9	(18, 7)	6	2	YES	YES	YES	NO	1918
(64, 23)	9	(18, 7)	6	2	YES	YES	YES	1752	1919
(64, 27)	9	(18, 5)	6	2	YES	YES	YES	NO	1920
(64, 19)	9	(23, 7)	7	1	YES	YES	YES	NO	1921
(64, 19)	9	(24, 7)	7	8	YES	YES	YES	NO	1922
(64, 25)	9	(34, 13)	7	2	YES	YES	YES	NO	1923
(65, 19)	9	(10, 3)	5	5	YES	YES	YES	NO	1924
(65, 19)	9	(11, 4)	5	1	YES	YES	YES	NO	1925
(65, 19)	9	(13, 3)	6	13	YES	YES	YES	NO	1926
(65, 24)	9	(13, 5)	5	13	YES	YES	YES	NO	1927
(65, 18)	9	(17, 7)	6	1	YES	YES	YES	NO	1928
(65, 18)	9	(18, 7)	6	1	YES	YES	YES	NO	1929
(65, 19)	9	(18, 7)	6	1	YES	YES	YES	NO	1930
(65, 18)	9	(21, 8)	6	1	YES	YES	YES	NO	1931
(65, 14)	10	(31, 7)	8	1	YES	YES	YES	NO	1932
(65, 24)	9	(53, 19)	9	1	YES	YES	YES	NO	1933
(66, 25)	9	(10, 3)	5	2	YES	YES	YES	NO	1934
(66, 25)	9	(10, 3)	5	2	YES	YES	YES	NO	1935
(66, 25)	9	(13, 5)	5	1	YES	YES	YES	NO	1936
(66, 25)	9	(22, 5)	7	22	YES	YES	YES	NO	1937

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(67, 28)	10	(6, 1)	5	1	YES	YES	YES	NO	1938
(67, 28)	10	(6, 1)	5	1	YES	YES	YES	NO	1939
(67, 28)	10	(7, 3)	4	1	YES	YES	YES	NO	1940
(67, 28)	10	(13, 5)	5	1	YES	YES	YES	NO	1941
(67, 26)	9	(30, 11)	7	1	YES	YES	YES	NO	1942
(67, 26)	9	(50, 19)	8	1	YES	YES	YES	NO	1943
(68, 19)	9	(10, 3)	5	2	YES	YES	YES	NO	1944
(68, 25)	9	(11, 3)	5	1	YES	YES	YES	NO	1945
(68, 19)	9	(17, 7)	6	17	YES	YES	YES	NO	1946
(69, 29)	9	(23, 5)	7	23	YES	YES	YES	NO	1947
(69, 19)	9	(24, 7)	7	3	YES	YES	YES	NO	1948
(69, 13)	11	(60, 11)	11	3	YES	YES	YES	NO	1949
(70, 29)	9	(13, 4)	6	1	YES	YES	YES	NO	1950
(70, 29)	9	(13, 5)	5	1	YES	YES	YES	NO	1951
(70, 29)	9	(15, 4)	6	5	YES	YES	YES	NO	1952
(70, 29)	9	(17, 5)	6	1	YES	YES	YES	NO	1953
(71, 21)	9	(2, 1)	1	1	YES	YES	NO(2)	NO	1954
(71, 26)	9	(4, 1)	3	1	YES	YES	NO(2)	NO	1955
(71, 30)	9	(5, 1)	4	1	YES	YES	NO(3)	NO	1956
(71, 21)	9	(10, 3)	5	1	YES	YES	NO(2)	NO	1957
(71, 22)	10	(10, 3)	5	1	YES	YES	YES	NO	1958
(71, 27)	9	(10, 3)	5	1	YES	YES	YES	NO	1959
(71, 27)	9	(10, 3)	5	1	YES	YES	YES	NO	1960
(71, 21)	9	(13, 5)	5	1	YES	YES	YES	NO	1961
(71, 27)	9	(13, 5)	5	1	YES	YES	YES	NO	1962
(71, 30)	9	(14, 5)	6	1	YES	YES	YES	NO	1963
(71, 30)	9	(17, 5)	6	1	YES	YES	YES	NO	1964
(71, 27)	9	(18, 5)	6	1	YES	YES	YES	NO	1965
(71, 27)	9	(23, 10)	7	1	YES	YES	YES	NO	1966
(71, 19)	10	(31, 9)	8	1	YES	YES	YES	NO	1967
(71, 26)	9	(41, 15)	8	1	YES	YES	NO(2)	NO	1968
(73, 27)	9	(19, 8)	6	1	YES	YES	YES	NO	1969
(73, 27)	9	(22, 5)	7	1	YES	YES	YES	NO	1970
(73, 26)	11	(59, 21)	10	1	YES	YES	YES	NO	1971
(74, 29)	10	(4, 1)	3	2	YES	YES	YES	NO	1972
(74, 29)	10	(4, 1)	3	2	YES	YES	YES	NO	1973
(74, 31)	9	(13, 5)	5	1	YES	YES	YES	NO	1974
(74, 31)	9	(17, 4)	7	1	YES	YES	YES	NO	1975
(75, 22)	10	(7, 3)	4	1	YES	YES	YES	NO	1976
(75, 22)	10	(11, 3)	5	1	YES	YES	YES	NO	1977
(75, 29)	9	(13, 5)	5	1	YES	YES	YES	NO	1978
(75, 29)	9	(14, 5)	6	1	YES	YES	YES	NO	1979
(75, 17)	10	(17, 7)	6	1	YES	YES	YES	NO	1980
(75, 29)	9	(18, 5)	6	3	YES	YES	YES	NO	1981
(75, 22)	10	(19, 4)	7	1	YES	YES	YES	NO	1982
(75, 22)	10	(27, 5)	8	3	YES	YES	YES	NO	1983
(75, 22)	10	(27, 5)	8	3	YES	YES	YES	NO	1984
(76, 29)	9	(7, 2)	4	1	YES	YES	YES	NO	1985
(76, 29)	9	(7, 2)	4	1	YES	YES	YES	NO	1986
(76, 21)	9	(8, 3)	4	4	YES	YES	YES	NO	1987
(76, 21)	9	(11, 4)	5	1	YES	YES	YES	NO	1988
(76, 21)	9	(11, 4)	5	1	YES	YES	YES	NO	1989
(76, 21)	9	(13, 3)	6	1	YES	YES	YES	NO	1990

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(76, 21)	9	(13, 3)	6	1	YES	YES	YES	NO	1991
(76, 29)	9	(41, 16)	8	1	YES	YES	YES	NO	1992
(76, 29)	9	(60, 23)	9	4	YES	YES	YES	NO	1993
(78, 23)	10	(4, 1)	3	2	YES	YES	YES	NO	1994
(78, 29)	10	(5, 1)	4	1	YES	YES	YES	NO	1995
(78, 23)	10	(10, 3)	5	2	YES	YES	YES	NO	1996
(78, 29)	10	(10, 3)	5	2	YES	YES	YES	NO	1997
(78, 29)	10	(11, 4)	5	1	YES	YES	YES	NO	1998
(79, 29)	9	(2, 1)	1	1	YES	YES	NO(2)	NO	1999
(79, 30)	9	(9, 4)	5	1	YES	YES	YES	NO	2000
(79, 18)	10	(10, 3)	5	1	YES	YES	YES	NO	2001
(79, 29)	9	(10, 3)	5	1	YES	YES	YES	NO	2002
(79, 18)	10	(11, 4)	5	1	YES	YES	YES	NO	2003
(79, 29)	9	(11, 4)	5	1	YES	YES	YES	NO	2004
(79, 22)	10	(13, 5)	5	1	YES	YES	YES	NO	2005
(79, 23)	10	(13, 5)	5	1	YES	YES	YES	NO	2006
(79, 29)	9	(13, 4)	6	1	YES	YES	YES	NO	2007
(79, 30)	9	(13, 3)	6	1	YES	YES	YES	NO	2008
(79, 29)	9	(17, 7)	6	1	YES	YES	YES	NO	2009
(79, 30)	9	(17, 5)	6	1	YES	YES	YES	NO	2010
(79, 30)	9	(17, 7)	6	1	YES	YES	YES	NO	2011
(79, 24)	10	(18, 5)	6	1	YES	YES	YES	NO	2012
(79, 30)	9	(19, 8)	6	1	YES	YES	YES	NO	2013
(79, 18)	10	(21, 8)	6	1	YES	YES	YES	NO	2014
(79, 29)	9	(23, 9)	7	1	YES	YES	YES	NO	2015
(79, 30)	9	(28, 11)	8	1	YES	YES	YES	NO	2016
(79, 18)	10	(55, 13)	10	1	YES	YES	YES	NO	2017
(79, 30)	9	(60, 23)	9	1	YES	YES	YES	NO	2018
(80, 31)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	2019
(80, 31)	9	(7, 2)	4	1	YES	YES	NO(2)	NO	2020
(80, 31)	9	(8, 3)	4	8	YES	YES	YES	NO	2021
(80, 31)	9	(19, 7)	6	1	YES	YES	YES	NO	2022
(80, 33)	10	(70, 29)	9	10	YES	YES	YES	2680	2023
(81, 31)	9	(7, 3)	4	1	YES	YES	YES	NO	2024
(81, 34)	9	(7, 3)	4	1	YES	YES	YES	NO	2025
(81, 31)	9	(8, 3)	4	1	YES	YES	YES	NO	2026
(81, 31)	9	(10, 3)	5	1	YES	YES	YES	NO	2027
(81, 31)	9	(12, 5)	5	3	YES	YES	YES	NO	2028
(81, 31)	9	(13, 3)	6	1	YES	YES	YES	NO	2029
(82, 31)	10	(5, 2)	3	1	YES	YES	YES	NO	2030
(82, 23)	10	(13, 5)	5	1	YES	YES	YES	NO	2031
(82, 25)	10	(23, 5)	7	1	YES	YES	YES	NO	2032
(83, 36)	10	(2, 1)	1	1	YES	YES	YES	NO	2033
(83, 36)	10	(5, 1)	4	1	YES	YES	YES	NO	2034
(83, 18)	10	(14, 5)	6	1	YES	YES	YES	NO	2035
(83, 18)	10	(16, 5)	7	1	YES	YES	YES	NO	2036
(83, 19)	10	(17, 7)	6	1	YES	YES	YES	NO	2037
(84, 25)	10	(2, 1)	1	2	YES	YES	NO(2)	NO	2038
(84, 25)	10	(13, 4)	6	1	YES	YES	YES	NO	2039
(84, 19)	10	(17, 7)	6	1	YES	YES	YES	NO	2040
(84, 25)	10	(37, 11)	8	1	YES	YES	YES	NO	2041
(85, 33)	10	(13, 3)	6	1	YES	YES	YES	NO	2042
(86, 25)	10	(7, 3)	4	1	YES	YES	YES	NO	2043

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(86, 31)	10	(7, 2)	4	1	YES	YES	YES	NO	2044
(86, 25)	10	(13, 5)	5	1	YES	YES	YES	NO	2045
(89, 26)	10	(2, 1)	1	1	YES	YES	YES	NO	2046
(89, 26)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	2047
(89, 26)	10	(3, 1)	2	1	YES	YES	NO(2)	NO	2048
(89, 26)	10	(4, 1)	3	1	YES	YES	YES	NO	2049
(89, 25)	10	(7, 3)	4	1	YES	YES	YES	NO	2050
(89, 34)	9	(7, 3)	4	1	YES	YES	YES	NO	2051
(89, 39)	11	(7, 1)	6	1	YES	YES	YES	NO	2052
(89, 39)	11	(7, 1)	6	1	YES	YES	YES	NO	2053
(89, 25)	10	(8, 3)	4	1	YES	YES	YES	NO	2054
(89, 25)	10	(8, 3)	4	1	YES	YES	YES	NO	2055
(89, 26)	10	(9, 4)	5	1	YES	YES	YES	NO	2056
(89, 32)	10	(10, 3)	5	1	YES	YES	YES	NO	2057
(89, 34)	9	(10, 3)	5	1	YES	YES	YES	NO	2058
(89, 34)	9	(10, 3)	5	1	YES	YES	YES	NO	2059
(89, 34)	9	(11, 3)	5	1	YES	YES	YES	NO	2060
(89, 34)	9	(12, 5)	5	1	YES	YES	YES	NO	2061
(89, 24)	10	(13, 5)	5	1	YES	YES	YES	NO	2062
(89, 24)	10	(18, 5)	6	1	YES	YES	YES	NO	2063
(89, 24)	10	(24, 7)	7	1	YES	YES	YES	NO	2064
(89, 34)	9	(28, 11)	8	1	YES	YES	YES	NO	2065
(89, 34)	9	(37, 14)	8	1	YES	YES	YES	NO	2066
(89, 25)	10	(61, 17)	9	1	YES	YES	YES	NO	2067
(89, 26)	10	(64, 19)	9	1	YES	YES	YES	NO	2068
(89, 34)	9	(81, 31)	9	1	YES	YES	YES	NO	2069
(90, 37)	11	(5, 1)	4	5	YES	YES	YES	NO	2070
(91, 27)	10	(2, 1)	1	1	YES	YES	NO(2)	NO	2071
(91, 40)	10	(5, 2)	3	1	YES	YES	YES	NO	2072
(91, 27)	10	(9, 4)	5	1	YES	YES	YES	NO	2073
(91, 27)	10	(12, 5)	5	1	YES	YES	YES	NO	2074
(91, 25)	10	(13, 5)	5	13	YES	YES	YES	NO	2075
(91, 27)	10	(19, 5)	7	1	YES	YES	YES	1830	2076
(93, 26)	10	(2, 1)	1	1	YES	YES	YES	NO	2077
(93, 26)	10	(6, 1)	5	3	YES	YES	YES	NO	2078
(93, 26)	10	(6, 1)	5	3	YES	YES	YES	NO	2079
(93, 26)	10	(7, 2)	4	1	YES	YES	YES	NO	2080
(93, 26)	10	(25, 7)	7	1	YES	YES	YES	NO	2081
(93, 34)	10	(41, 15)	8	1	YES	YES	NO(2)	NO	2082
(93, 26)	10	(47, 13)	8	1	YES	YES	YES	NO	2083
(94, 39)	10	(5, 1)	4	1	YES	YES	YES	NO	2084
(94, 39)	10	(8, 3)	4	2	YES	YES	YES	NO	2085
(94, 39)	10	(11, 3)	5	1	YES	YES	YES	NO	2086
(94, 39)	10	(11, 3)	5	1	YES	YES	YES	NO	2087
(95, 39)	10	(2, 1)	1	1	YES	YES	YES	NO	2088
(95, 37)	11	(6, 1)	5	1	YES	YES	YES	NO	2089
(95, 36)	10	(10, 3)	5	5	YES	YES	YES	NO	2090
(97, 41)	10	(2, 1)	1	1	YES	YES	YES	NO	2091
(97, 22)	11	(7, 3)	4	1	YES	YES	YES	NO	2092
(97, 36)	10	(7, 3)	4	1	YES	YES	YES	NO	2093
(97, 22)	11	(11, 4)	5	1	YES	YES	YES	NO	2094
(97, 22)	11	(11, 4)	5	1	YES	YES	YES	NO	2095
(97, 37)	10	(17, 7)	6	1	YES	YES	YES	NO	2096

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(97, 37)	10	(18, 7)	6	1	YES	YES	YES	NO	2097
(97, 41)	10	(43, 18)	8	1	YES	YES	YES	NO	2098
(98, 29)	10	(8, 3)	4	2	YES	YES	YES	NO	2099
(98, 27)	10	(9, 4)	5	1	YES	YES	YES	NO	2100
(98, 27)	10	(9, 4)	5	1	YES	YES	YES	NO	2101
(98, 27)	10	(11, 4)	5	1	YES	YES	YES	NO	2102
(98, 27)	10	(24, 7)	7	2	YES	YES	YES	NO	2103
(98, 27)	10	(39, 11)	9	1	YES	YES	YES	NO	2104
(98, 27)	10	(47, 13)	8	1	YES	YES	YES	NO	2105
(99, 41)	10	(7, 3)	4	1	YES	YES	YES	NO	2106
(99, 29)	10	(8, 3)	4	1	YES	YES	YES	NO	2107
(99, 41)	10	(8, 3)	4	1	YES	YES	YES	NO	2108
(99, 29)	10	(10, 3)	5	1	YES	YES	YES	NO	2109
(99, 41)	10	(11, 3)	5	11	YES	YES	YES	NO	2110
(99, 41)	10	(11, 3)	5	11	YES	YES	YES	NO	2111
(99, 29)	10	(13, 4)	6	1	YES	YES	YES	NO	2112
(99, 29)	10	(89, 26)	10	1	YES	YES	YES	NO	2113
(100, 29)	11	(7, 3)	4	1	YES	YES	YES	NO	2114
(100, 29)	11	(8, 3)	4	4	YES	YES	YES	2389	2115
(100, 39)	10	(10, 3)	5	10	YES	YES	YES	NO	2116
(100, 39)	10	(11, 3)	5	1	YES	YES	YES	NO	2117
(100, 29)	11	(13, 3)	6	1	YES	YES	YES	NO	2118
(100, 27)	10	(22, 5)	7	2	YES	YES	YES	NO	2119
(100, 29)	11	(58, 17)	9	2	YES	YES	YES	NO	2120
(101, 39)	10	(5, 1)	4	1	YES	YES	YES	NO	2121
(101, 37)	10	(7, 3)	4	1	YES	YES	YES	NO	2122
(101, 39)	10	(7, 3)	4	1	YES	YES	YES	NO	2123
(101, 37)	10	(21, 8)	6	1	YES	YES	YES	NO	2124
(102, 31)	11	(10, 3)	5	2	YES	YES	YES	NO	2125
(103, 39)	10	(5, 1)	4	1	YES	YES	YES	NO	2126
(103, 39)	10	(5, 2)	3	1	YES	YES	YES	NO	2127
(103, 39)	10	(7, 3)	4	1	YES	YES	YES	NO	2128
(103, 29)	11	(10, 3)	5	1	YES	YES	YES	NO	2129
(103, 29)	11	(11, 3)	5	1	YES	YES	YES	NO	2130
(103, 30)	11	(14, 3)	6	1	YES	YES	YES	NO	2131
(103, 40)	11	(75, 29)	9	1	YES	YES	YES	NO	2132
(104, 43)	10	(5, 2)	3	1	YES	YES	YES	NO	2133
(104, 29)	10	(13, 4)	6	13	YES	YES	YES	NO	2134
(104, 43)	10	(63, 26)	9	1	YES	YES	YES	2564	2135
(105, 38)	11	(4, 1)	3	1	YES	YES	YES	NO	2136
(105, 43)	11	(5, 1)	4	5	YES	YES	YES	NO	2137
(105, 44)	10	(5, 2)	3	5	YES	YES	YES	NO	2138
(105, 44)	10	(7, 2)	4	7	YES	YES	YES	NO	2139
(105, 31)	10	(8, 3)	4	1	YES	YES	YES	NO	2140
(105, 29)	10	(9, 4)	5	3	YES	YES	YES	NO	2141
(105, 44)	10	(9, 4)	5	3	YES	YES	NO(2)	NO	2142
(105, 29)	10	(11, 4)	5	1	YES	YES	YES	NO	2143
(105, 29)	10	(11, 4)	5	1	YES	YES	YES	NO	2144
(105, 44)	10	(11, 3)	5	1	YES	YES	YES	NO	2145
(105, 29)	10	(12, 5)	5	3	YES	YES	YES	NO	2146
(105, 29)	10	(16, 5)	7	1	YES	YES	YES	NO	2147
(105, 29)	10	(24, 7)	7	3	YES	YES	YES	NO	2148
(105, 38)	11	(58, 21)	10	1	YES	YES	YES	NO	2149

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(105, 29)	10	(68, 19)	9	1	YES	YES	YES	NO	2150
(105, 43)	11	(83, 34)	10	1	YES	YES	YES	NO	2151
(105, 31)	10	(98, 29)	10	7	YES	YES	YES	NO	2152
(106, 31)	10	(5, 2)	3	1	YES	YES	YES	NO	2153
(106, 41)	10	(5, 2)	3	1	YES	YES	YES	NO	2154
(106, 41)	10	(7, 3)	4	1	YES	YES	YES	NO	2155
(106, 23)	11	(8, 3)	4	2	YES	YES	YES	NO	2156
(106, 31)	10	(8, 3)	4	2	YES	YES	YES	NO	2157
(106, 41)	10	(8, 3)	4	2	YES	YES	YES	NO	2158
(106, 23)	11	(9, 4)	5	1	YES	YES	YES	NO	2159
(106, 23)	11	(10, 3)	5	2	YES	YES	YES	NO	2160
(106, 41)	10	(10, 3)	5	2	YES	YES	YES	NO	2161
(106, 41)	10	(11, 3)	5	1	YES	YES	YES	NO	2162
(106, 41)	10	(11, 3)	5	1	YES	YES	YES	NO	2163
(106, 41)	10	(11, 3)	5	1	YES	YES	YES	NO	2164
(106, 31)	10	(58, 17)	9	2	YES	YES	YES	NO	2165
(106, 41)	10	(101, 39)	10	1	YES	YES	YES	NO	2166
(107, 41)	10	(7, 3)	4	1	YES	YES	YES	NO	2167
(107, 41)	10	(11, 3)	5	1	YES	YES	YES	NO	2168
(107, 41)	10	(29, 11)	7	1	YES	YES	YES	NO	2169
(107, 41)	10	(81, 31)	9	1	YES	YES	YES	NO	2170
(107, 44)	12	(90, 37)	11	1	YES	YES	YES	NO	2171
(108, 41)	10	(5, 2)	3	1	YES	YES	YES	NO	2172
(108, 41)	10	(7, 3)	4	1	YES	YES	YES	NO	2173
(108, 41)	10	(10, 3)	5	2	YES	YES	YES	NO	2174
(108, 41)	10	(34, 13)	7	2	YES	YES	YES	2599	2175
(109, 40)	10	(5, 2)	3	1	YES	YES	NO(2)	NO	2176
(109, 40)	10	(8, 3)	4	1	YES	YES	YES	NO	2177
(109, 45)	10	(10, 3)	5	1	YES	YES	YES	NO	2178
(109, 46)	10	(10, 3)	5	1	YES	YES	YES	NO	2179
(109, 40)	10	(18, 7)	6	1	YES	YES	YES	NO	2180
(109, 45)	10	(26, 11)	7	1	YES	YES	YES	NO	2181
(109, 45)	10	(31, 13)	7	1	YES	YES	YES	NO	2182
(110, 43)	11	(6, 1)	5	2	YES	YES	YES	NO	2183
(110, 43)	11	(110, 43)	11	110	YES	YES	YES	NO	2184
(111, 41)	10	(3, 1)	2	3	YES	YES	NO(2)	NO	2185
(111, 46)	10	(3, 1)	2	3	YES	YES	YES	NO	2186
(111, 41)	10	(10, 3)	5	1	YES	YES	YES	NO	2187
(111, 43)	10	(14, 3)	6	1	YES	YES	YES	NO	2188
(111, 46)	10	(17, 7)	6	1	YES	YES	YES	2250	2189
(111, 41)	10	(27, 10)	7	3	YES	YES	NO(2)	NO	2190
(112, 47)	10	(5, 2)	3	1	YES	YES	YES	NO	2191
(112, 47)	10	(7, 2)	4	7	YES	YES	YES	NO	2192
(112, 41)	10	(8, 3)	4	8	YES	YES	YES	NO	2193
(112, 47)	10	(11, 3)	5	1	YES	YES	YES	NO	2194
(112, 41)	10	(13, 3)	6	1	YES	YES	YES	NO	2195
(112, 47)	10	(17, 7)	6	1	YES	YES	YES	NO	2196
(112, 47)	10	(26, 11)	7	2	YES	YES	YES	2407	2197
(112, 47)	10	(43, 18)	8	1	YES	YES	YES	NO	2198
(112, 47)	10	(69, 29)	9	1	YES	YES	YES	2631	2199
(113, 42)	11	(5, 2)	3	1	YES	YES	YES	NO	2200
(113, 49)	11	(6, 1)	5	1	YES	YES	YES	NO	2201
(113, 42)	11	(7, 3)	4	1	YES	YES	YES	NO	2202

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(113, 44)	12	(113, 44)	12	113	YES	YES	YES	NO	2203
(115, 34)	10	(5, 2)	3	5	YES	YES	YES	NO	2204
(115, 44)	10	(5, 2)	3	5	YES	YES	YES	NO	2205
(115, 31)	11	(8, 3)	4	1	YES	YES	YES	NO	2206
(115, 44)	10	(8, 3)	4	1	YES	YES	YES	NO	2207
(115, 26)	11	(9, 4)	5	1	YES	YES	YES	NO	2208
(115, 44)	10	(9, 4)	5	1	YES	YES	YES	NO	2209
(115, 44)	10	(10, 3)	5	5	YES	YES	YES	NO	2210
(115, 34)	10	(24, 7)	7	1	YES	YES	YES	NO	2211
(115, 44)	10	(55, 21)	8	5	YES	YES	YES	NO	2212
(115, 26)	11	(79, 18)	10	1	YES	YES	YES	NO	2213
(115, 47)	12	(93, 38)	11	1	YES	YES	YES	NO	2214
(115, 44)	10	(107, 41)	10	1	YES	YES	YES	NO	2215
(116, 49)	10	(10, 3)	5	2	YES	YES	YES	NO	2216
(116, 49)	10	(11, 3)	5	1	YES	YES	YES	NO	2217
(116, 51)	11	(25, 11)	7	1	YES	YES	YES	NO	2218
(116, 49)	10	(29, 12)	7	29	YES	YES	YES	NO	2219
(116, 49)	10	(43, 18)	8	1	YES	YES	YES	NO	2220
(116, 51)	11	(116, 51)	11	116	YES	YES	YES	NO	2221
(117, 49)	10	(5, 2)	3	1	YES	YES	YES	NO	2222
(117, 31)	11	(29, 8)	7	1	YES	YES	YES	NO	2223
(118, 45)	11	(6, 1)	5	2	YES	YES	YES	NO	2224
(118, 45)	11	(6, 1)	5	2	YES	YES	YES	NO	2225
(118, 27)	11	(11, 4)	5	1	YES	YES	YES	NO	2226
(118, 27)	11	(32, 7)	8	2	YES	YES	YES	NO	2227
(119, 44)	10	(2, 1)	1	1	YES	YES	NO(2)	NO	2228
(119, 45)	11	(5, 2)	3	1	YES	YES	YES	NO	2229
(119, 46)	10	(5, 2)	3	1	YES	YES	YES	NO	2230
(119, 26)	11	(8, 3)	4	1	YES	YES	YES	NO	2231
(119, 44)	10	(8, 3)	4	1	YES	YES	YES	NO	2232
(119, 26)	11	(10, 3)	5	1	YES	YES	YES	NO	2233
(119, 46)	10	(10, 3)	5	1	YES	YES	YES	NO	2234
(119, 50)	10	(10, 3)	5	1	YES	YES	YES	NO	2235
(119, 44)	10	(13, 3)	6	1	YES	YES	YES	NO	2236
(119, 46)	10	(13, 3)	6	1	YES	YES	YES	NO	2237
(119, 46)	10	(21, 8)	6	7	YES	YES	YES	NO	2238
(119, 45)	11	(31, 12)	7	1	YES	YES	YES	NO	2239
(119, 45)	11	(34, 13)	7	17	YES	YES	YES	NO	2240
(119, 44)	10	(41, 15)	8	1	YES	YES	YES	NO	2241
(119, 46)	10	(41, 16)	8	1	YES	YES	YES	NO	2242
(119, 50)	10	(74, 31)	9	1	YES	YES	YES	NO	2243
(119, 44)	10	(111, 41)	10	1	YES	YES	YES	NO	2244
(120, 47)	12	(120, 47)	12	120	YES	YES	YES	NO	2245
(121, 50)	10	(2, 1)	1	1	NO	YES	NO(2)	NO	2246
(121, 50)	10	(3, 1)	2	1	YES	YES	YES	NO	2247
(121, 46)	10	(5, 2)	3	1	YES	YES	YES	NO	2248
(121, 46)	10	(8, 3)	4	1	YES	YES	YES	NO	2249
(121, 50)	10	(12, 5)	5	1	YES	YES	YES	2189	2250
(121, 50)	10	(13, 3)	6	1	YES	YES	YES	NO	2251
(121, 32)	11	(34, 9)	8	1	YES	YES	YES	NO	2252
(121, 46)	10	(66, 25)	9	11	YES	YES	YES	NO	2253
(121, 46)	10	(79, 30)	9	1	YES	YES	YES	NO	2254
(121, 46)	10	(92, 35)	10	1	YES	YES	YES	NO	2255

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(122, 51)	11	(2, 1)	1	2	YES	YES	YES	NO	2256
(122, 37)	11	(3, 1)	2	1	NO	YES	NO(2)	NO	2257
(122, 51)	11	(5, 2)	3	1	YES	YES	YES	NO	2258
(122, 37)	11	(7, 2)	4	1	YES	YES	YES	NO	2259
(122, 37)	11	(7, 3)	4	1	YES	YES	YES	NO	2260
(122, 33)	11	(8, 3)	4	2	YES	YES	YES	NO	2261
(122, 37)	11	(102, 31)	11	2	YES	YES	YES	NO	2262
(123, 47)	10	(2, 1)	1	1	YES	YES	YES	NO	2263
(123, 47)	10	(4, 1)	3	1	YES	YES	YES	NO	2264
(123, 47)	10	(4, 1)	3	1	YES	YES	YES	NO	2265
(123, 47)	10	(5, 2)	3	1	YES	YES	YES	NO	2266
(123, 52)	11	(5, 1)	4	1	YES	YES	YES	NO	2267
(123, 52)	11	(6, 1)	5	3	YES	YES	YES	NO	2268
(123, 52)	11	(6, 1)	5	3	YES	YES	YES	NO	2269
(123, 47)	10	(7, 2)	4	1	YES	YES	YES	NO	2270
(123, 47)	10	(8, 3)	4	1	YES	YES	YES	NO	2271
(123, 47)	10	(9, 4)	5	3	YES	YES	YES	NO	2272
(123, 47)	10	(11, 4)	5	1	YES	YES	YES	NO	2273
(123, 47)	10	(37, 14)	8	1	YES	YES	YES	NO	2274
(123, 47)	10	(47, 18)	8	1	YES	YES	YES	NO	2275
(123, 47)	10	(76, 29)	9	1	YES	YES	YES	2718	2276
(123, 52)	11	(97, 41)	10	1	YES	YES	YES	NO	2277
(123, 47)	10	(123, 47)	10	123	YES	YES	YES	NO	2278
(123, 52)	11	(123, 52)	11	123	YES	YES	YES	NO	2279
(124, 23)	12	(7, 3)	4	1	YES	YES	YES	NO	2280
(125, 53)	11	(2, 1)	1	1	YES	YES	YES	NO	2281
(125, 53)	11	(6, 1)	5	1	YES	YES	YES	NO	2282
(125, 37)	11	(11, 3)	5	1	YES	YES	YES	NO	2283
(125, 53)	11	(33, 14)	8	1	YES	YES	YES	NO	2284
(127, 35)	11	(3, 1)	2	1	YES	YES	YES	NO	2285
(127, 29)	11	(33, 7)	8	1	YES	YES	YES	NO	2286
(127, 35)	11	(40, 11)	8	1	YES	YES	YES	NO	2287
(127, 29)	11	(84, 19)	10	1	YES	YES	YES	NO	2288
(128, 49)	10	(3, 1)	2	1	YES	YES	YES	NO	2289
(128, 49)	10	(5, 2)	3	1	YES	YES	YES	NO	2290
(128, 53)	11	(5, 2)	3	1	YES	YES	YES	NO	2291
(128, 49)	10	(8, 3)	4	8	YES	YES	YES	NO	2292
(128, 49)	10	(8, 3)	4	8	YES	YES	YES	NO	2293
(128, 47)	10	(13, 5)	5	1	YES	YES	YES	NO	2294
(128, 49)	10	(21, 8)	6	1	YES	YES	YES	2347	2295
(128, 47)	10	(35, 13)	8	1	YES	YES	YES	NO	2296
(128, 49)	10	(55, 21)	8	1	YES	YES	YES	NO	2297
(128, 49)	10	(76, 29)	9	4	YES	YES	YES	NO	2298
(128, 49)	10	(128, 49)	10	128	YES	YES	YES	NO	2299
(129, 50)	10	(2, 1)	1	1	NO	YES	NO(2)	NO	2300
(129, 56)	11	(2, 1)	1	1	NO	YES	YES	NO	2301
(129, 53)	11	(5, 1)	4	1	YES	YES	YES	NO	2302
(129, 50)	10	(8, 3)	4	1	YES	YES	YES	2343	2303
(129, 49)	10	(11, 3)	5	1	YES	YES	YES	NO	2304
(129, 49)	10	(37, 14)	8	1	YES	YES	YES	NO	2305
(131, 50)	10	(3, 1)	2	1	YES	YES	YES	NO	2306
(131, 48)	11	(5, 2)	3	1	YES	YES	YES	NO	2307
(131, 55)	10	(5, 2)	3	1	YES	YES	YES	NO	2308

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(131, 50)	10	(7, 2)	4	1	YES	YES	YES	NO	2309
(131, 50)	10	(8, 3)	4	1	YES	YES	YES	NO	2310
(131, 50)	10	(10, 3)	5	1	YES	YES	YES	NO	2311
(131, 48)	11	(13, 5)	5	1	YES	YES	YES	NO	2312
(131, 50)	10	(34, 13)	7	1	YES	YES	YES	NO	2313
(131, 50)	10	(123, 47)	10	1	YES	YES	YES	NO	2314
(133, 39)	11	(8, 3)	4	1	YES	YES	YES	NO	2315
(133, 58)	11	(13, 5)	5	1	YES	YES	YES	NO	2316
(133, 31)	12	(23, 5)	7	1	YES	YES	YES	NO	2317
(134, 39)	11	(8, 3)	4	2	YES	YES	YES	NO	2318
(134, 37)	11	(112, 31)	10	2	YES	YES	YES	3200	2319
(135, 56)	11	(5, 2)	3	5	YES	YES	YES	NO	2320
(135, 56)	11	(7, 2)	4	1	YES	YES	YES	NO	2321
(136, 57)	11	(43, 18)	8	1	YES	YES	YES	NO	2322
(137, 37)	11	(3, 1)	2	1	YES	YES	YES	NO	2323
(137, 37)	11	(7, 3)	4	1	YES	YES	YES	NO	2324
(137, 37)	11	(11, 3)	5	1	YES	YES	YES	NO	2325
(137, 37)	11	(56, 15)	9	1	YES	YES	YES	NO	2326
(139, 57)	11	(2, 1)	1	1	YES	YES	YES	NO	2327
(139, 51)	11	(68, 25)	9	1	YES	YES	YES	NO	2328
(140, 41)	11	(3, 1)	2	1	YES	YES	YES	NO	2329
(140, 53)	11	(3, 1)	2	1	YES	YES	YES	NO	2330
(140, 61)	11	(5, 2)	3	5	YES	YES	YES	NO	2331
(140, 41)	11	(7, 3)	4	7	YES	YES	YES	NO	2332
(140, 41)	11	(8, 3)	4	4	YES	YES	YES	NO	2333
(140, 41)	11	(44, 13)	8	4	YES	YES	YES	NO	2334
(140, 41)	11	(58, 17)	9	2	YES	YES	YES	2426	2335
(140, 41)	11	(140, 41)	11	140	YES	YES	YES	NO	2336
(141, 59)	11	(26, 11)	7	1	YES	YES	YES	NO	2337
(142, 51)	11	(3, 1)	2	1	YES	YES	YES	NO	2338
(142, 55)	11	(44, 17)	8	2	YES	YES	YES	NO	2339
(144, 55)	10	(2, 1)	1	2	YES	YES	YES	NO	2340
(144, 55)	10	(3, 1)	2	3	YES	YES	YES	NO	2341
(144, 55)	10	(3, 1)	2	3	YES	YES	YES	NO	2342
(144, 55)	10	(5, 2)	3	1	YES	YES	YES	2303	2343
(144, 55)	10	(5, 2)	3	1	YES	YES	YES	NO	2344
(144, 55)	10	(8, 3)	4	8	YES	YES	YES	NO	2345
(144, 55)	10	(11, 4)	5	1	YES	YES	YES	NO	2346
(144, 55)	10	(13, 5)	5	1	YES	YES	YES	2295	2347
(144, 55)	10	(21, 8)	6	3	YES	YES	YES	NO	2348
(144, 55)	10	(23, 9)	7	1	YES	YES	YES	NO	2349
(144, 55)	10	(55, 21)	8	1	YES	YES	YES	NO	2350
(144, 55)	10	(60, 23)	9	12	YES	YES	YES	NO	2351
(144, 55)	10	(97, 37)	10	1	YES	YES	YES	NO	2352
(145, 53)	11	(5, 1)	4	5	YES	YES	YES	NO	2353
(145, 56)	11	(7, 2)	4	1	YES	YES	YES	NO	2354
(145, 53)	11	(8, 3)	4	1	YES	YES	YES	NO	2355
(145, 43)	12	(11, 3)	5	1	YES	YES	YES	NO	2356
(145, 53)	11	(52, 19)	9	1	YES	YES	YES	NO	2357
(145, 44)	11	(122, 37)	11	1	YES	YES	YES	NO	2358
(146, 57)	11	(4, 1)	3	2	YES	YES	YES	NO	2359
(146, 57)	11	(8, 3)	4	2	YES	YES	YES	NO	2360
(147, 43)	11	(3, 1)	2	3	YES	YES	YES	NO	2361

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(147, 43)	11	(3, 1)	2	3	YES	YES	YES	NO	2362
(147, 41)	11	(7, 3)	4	7	YES	YES	YES	NO	2363
(147, 41)	11	(7, 3)	4	7	YES	YES	YES	NO	2364
(147, 43)	11	(11, 3)	5	1	YES	YES	YES	NO	2365
(147, 43)	11	(13, 4)	6	1	YES	YES	YES	NO	2366
(147, 43)	11	(14, 3)	6	7	YES	YES	YES	NO	2367
(147, 43)	11	(23, 7)	7	1	YES	YES	YES	NO	2368
(147, 43)	11	(31, 9)	8	1	YES	YES	YES	2613	2369
(147, 41)	11	(93, 26)	10	3	YES	YES	YES	NO	2370
(148, 65)	11	(5, 2)	3	1	YES	YES	YES	NO	2371
(148, 65)	11	(34, 15)	8	2	YES	YES	YES	2672	2372
(149, 40)	11	(3, 1)	2	1	YES	YES	YES	NO	2373
(149, 40)	11	(3, 1)	2	1	YES	YES	YES	NO	2374
(149, 44)	11	(3, 1)	2	1	YES	YES	YES	NO	2375
(149, 44)	11	(8, 3)	4	1	YES	YES	YES	NO	2376
(149, 41)	11	(11, 3)	5	1	YES	YES	YES	NO	2377
(149, 41)	11	(13, 4)	6	1	YES	YES	YES	NO	2378
(149, 41)	11	(32, 9)	8	1	YES	YES	YES	NO	2379
(149, 44)	11	(47, 14)	9	1	YES	YES	YES	NO	2380
(149, 44)	11	(64, 19)	9	1	YES	YES	YES	NO	2381
(151, 62)	11	(3, 1)	2	1	YES	YES	YES	NO	2382
(151, 34)	12	(5, 2)	3	1	YES	YES	YES	NO	2383
(151, 62)	11	(5, 2)	3	1	YES	YES	YES	NO	2384
(151, 62)	11	(9, 2)	5	1	YES	YES	YES	NO	2385
(151, 62)	11	(22, 9)	7	1	YES	YES	YES	2457	2386
(152, 59)	11	(2, 1)	1	2	NO	YES	NO(2)	NO	2387
(152, 59)	11	(3, 1)	2	1	YES	YES	YES	NO	2388
(152, 55)	12	(4, 1)	3	4	YES	YES	YES	2115	2389
(152, 63)	11	(5, 2)	3	1	YES	YES	YES	NO	2390
(152, 41)	11	(7, 3)	4	1	YES	YES	YES	NO	2391
(152, 55)	12	(8, 3)	4	8	YES	YES	YES	NO	2392
(152, 63)	11	(8, 3)	4	8	YES	YES	YES	NO	2393
(152, 45)	12	(11, 3)	5	1	YES	YES	YES	NO	2394
(152, 41)	11	(13, 4)	6	1	YES	YES	YES	NO	2395
(152, 45)	12	(24, 7)	7	8	YES	YES	YES	NO	2396
(152, 63)	11	(111, 46)	10	1	YES	YES	YES	NO	2397
(153, 64)	11	(7, 3)	4	1	YES	YES	YES	NO	2398
(153, 35)	12	(31, 7)	8	1	YES	YES	YES	NO	2399
(154, 59)	11	(2, 1)	1	2	YES	YES	YES	NO	2400
(154, 65)	11	(3, 1)	2	1	YES	YES	YES	NO	2401
(154, 45)	11	(4, 1)	3	2	YES	YES	YES	NO	2402
(154, 59)	11	(5, 2)	3	1	YES	YES	YES	NO	2403
(154, 65)	11	(5, 2)	3	1	YES	YES	YES	NO	2404
(154, 59)	11	(7, 2)	4	7	YES	YES	YES	NO	2405
(154, 45)	11	(10, 3)	5	2	YES	YES	YES	NO	2406
(154, 65)	11	(12, 5)	5	2	YES	YES	YES	2197	2407
(154, 65)	11	(17, 7)	6	1	YES	YES	YES	NO	2408
(154, 59)	11	(107, 41)	10	1	YES	YES	YES	NO	2409
(154, 45)	11	(147, 43)	11	7	YES	YES	YES	NO	2410
(155, 48)	12	(3, 1)	2	1	YES	YES	YES	NO	2411
(155, 64)	11	(5, 2)	3	5	YES	YES	YES	NO	2412
(155, 64)	11	(9, 4)	5	1	YES	YES	YES	NO	2413
(155, 48)	12	(71, 22)	10	1	YES	YES	YES	2593	2414

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(156, 43)	12	(5, 2)	3	1	YES	YES	YES	NO	2415
(156, 43)	12	(10, 3)	5	2	YES	YES	YES	NO	2416
(157, 69)	11	(2, 1)	1	1	YES	YES	YES	NO	2417
(157, 46)	11	(3, 1)	2	1	YES	YES	YES	NO	2418
(157, 46)	11	(3, 1)	2	1	YES	YES	YES	NO	2419
(157, 46)	11	(5, 2)	3	1	YES	YES	YES	NO	2420
(157, 58)	11	(5, 2)	3	1	YES	YES	YES	NO	2421
(157, 28)	13	(6, 1)	5	1	YES	YES	YES	NO	2422
(157, 58)	11	(7, 3)	4	1	YES	YES	YES	NO	2423
(157, 60)	11	(7, 3)	4	1	YES	YES	YES	NO	2424
(157, 58)	11	(25, 9)	7	1	YES	YES	YES	NO	2425
(157, 46)	11	(41, 12)	8	1	YES	YES	YES	2335	2426
(157, 65)	12	(128, 53)	11	1	YES	YES	YES	NO	2427
(157, 65)	12	(157, 65)	12	157	YES	YES	YES	NO	2428
(158, 57)	11	(4, 1)	3	2	YES	YES	YES	NO	2429
(158, 57)	11	(4, 1)	3	2	YES	YES	YES	NO	2430
(158, 61)	11	(7, 2)	4	1	YES	YES	YES	NO	2431
(158, 61)	11	(8, 3)	4	2	YES	YES	YES	NO	2432
(158, 61)	11	(75, 29)	9	1	YES	YES	YES	NO	2433
(158, 57)	11	(158, 57)	11	158	YES	YES	YES	NO	2434
(158, 61)	11	(158, 61)	11	158	YES	YES	YES	NO	2435
(159, 44)	11	(3, 1)	2	3	YES	YES	YES	NO	2436
(159, 44)	11	(3, 1)	2	3	YES	YES	YES	NO	2437
(159, 47)	11	(5, 2)	3	1	YES	YES	YES	NO	2438
(159, 47)	11	(5, 2)	3	1	YES	YES	YES	NO	2439
(159, 44)	11	(7, 3)	4	1	YES	YES	YES	NO	2440
(159, 44)	11	(7, 3)	4	1	YES	YES	YES	NO	2441
(159, 47)	11	(7, 2)	4	1	YES	YES	YES	NO	2442
(159, 47)	11	(7, 2)	4	1	YES	YES	YES	NO	2443
(159, 62)	11	(7, 2)	4	1	YES	YES	YES	NO	2444
(159, 37)	12	(8, 3)	4	1	YES	YES	YES	NO	2445
(159, 37)	12	(8, 3)	4	1	YES	YES	YES	NO	2446
(159, 47)	11	(13, 4)	6	1	YES	YES	YES	NO	2447
(159, 44)	11	(17, 5)	6	1	YES	YES	YES	NO	2448
(159, 44)	11	(105, 29)	10	3	YES	YES	YES	NO	2449
(160, 67)	11	(3, 1)	2	1	YES	YES	YES	NO	2450
(160, 67)	11	(3, 1)	2	1	YES	YES	YES	NO	2451
(160, 67)	11	(5, 2)	3	5	YES	YES	YES	NO	2452
(160, 67)	11	(5, 2)	3	5	YES	YES	YES	NO	2453
(160, 67)	11	(9, 4)	5	1	YES	YES	YES	NO	2454
(161, 68)	11	(2, 1)	1	1	YES	YES	YES	NO	2455
(161, 66)	11	(3, 1)	2	1	YES	YES	YES	NO	2456
(161, 66)	11	(17, 7)	6	1	YES	YES	YES	2386	2457
(162, 49)	12	(2, 1)	1	2	YES	YES	YES	NO	2458
(162, 49)	12	(2, 1)	1	2	YES	YES	YES	NO	2459
(163, 63)	11	(2, 1)	1	1	NO	YES	YES	NO	2460
(163, 62)	11	(4, 1)	3	1	YES	YES	YES	NO	2461
(163, 62)	11	(4, 1)	3	1	YES	YES	YES	NO	2462
(163, 45)	12	(5, 2)	3	1	YES	YES	YES	NO	2463
(163, 71)	11	(5, 2)	3	1	YES	YES	YES	NO	2464
(163, 62)	11	(7, 3)	4	1	YES	YES	YES	NO	2465
(163, 63)	11	(7, 2)	4	1	YES	YES	YES	NO	2466
(164, 45)	12	(25, 7)	7	1	YES	YES	YES	NO	2467

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(165, 64)	11	(2, 1)	1	1	YES	YES	YES	NO	2468
(165, 61)	11	(3, 1)	2	3	YES	YES	YES	NO	2469
(165, 61)	11	(3, 1)	2	3	YES	YES	YES	NO	2470
(165, 64)	11	(3, 1)	2	3	YES	YES	YES	NO	2471
(165, 64)	11	(3, 1)	2	3	YES	YES	YES	NO	2472
(165, 61)	11	(4, 1)	3	1	YES	YES	YES	NO	2473
(165, 61)	11	(5, 2)	3	5	YES	YES	YES	NO	2474
(165, 46)	11	(7, 3)	4	1	YES	YES	YES	NO	2475
(166, 61)	11	(3, 1)	2	1	YES	YES	YES	NO	2476
(166, 49)	11	(71, 21)	9	1	YES	YES	YES	NO	2477
(166, 61)	11	(166, 61)	11	166	YES	YES	YES	NO	2478
(167, 64)	11	(2, 1)	1	1	YES	YES	YES	NO	2479
(167, 69)	11	(2, 1)	1	1	YES	YES	YES	NO	2480
(167, 69)	11	(3, 1)	2	1	YES	YES	YES	NO	2481
(167, 69)	11	(3, 1)	2	1	YES	YES	YES	NO	2482
(167, 51)	12	(5, 2)	3	1	YES	YES	YES	NO	2483
(167, 69)	11	(5, 2)	3	1	YES	YES	YES	NO	2484
(167, 69)	11	(7, 2)	4	1	YES	YES	YES	NO	2485
(167, 64)	11	(8, 3)	4	1	YES	YES	YES	NO	2486
(167, 46)	11	(18, 5)	6	1	YES	YES	YES	NO	2487
(167, 69)	11	(22, 9)	7	1	YES	YES	YES	NO	2488
(167, 69)	11	(41, 17)	8	1	YES	YES	YES	2836	2489
(168, 71)	11	(2, 1)	1	2	YES	YES	YES	NO	2490
(168, 71)	11	(3, 1)	2	3	YES	YES	YES	NO	2491
(168, 65)	12	(4, 1)	3	4	YES	YES	YES	NO	2492
(168, 65)	12	(44, 17)	8	4	YES	YES	YES	NO	2493
(168, 65)	12	(75, 29)	9	3	YES	YES	YES	NO	2494
(168, 71)	11	(168, 71)	11	168	YES	YES	YES	NO	2495
(169, 64)	11	(2, 1)	1	1	YES	YES	YES	NO	2496
(169, 71)	11	(2, 1)	1	1	YES	YES	YES	NO	2497
(169, 70)	11	(3, 1)	2	1	YES	YES	YES	NO	2498
(169, 70)	11	(3, 1)	2	1	YES	YES	YES	NO	2499
(169, 50)	11	(5, 2)	3	1	YES	YES	YES	NO	2500
(169, 70)	11	(5, 2)	3	1	YES	YES	YES	NO	2501
(169, 50)	11	(7, 3)	4	1	YES	YES	YES	NO	2502
(169, 70)	11	(7, 2)	4	1	YES	YES	YES	NO	2503
(169, 71)	11	(8, 3)	4	1	YES	YES	YES	NO	2504
(169, 71)	11	(17, 7)	6	1	YES	YES	YES	NO	2505
(169, 71)	11	(31, 13)	7	1	YES	YES	YES	NO	2506
(169, 38)	13	(40, 9)	9	1	YES	YES	YES	NO	2507
(169, 50)	11	(61, 18)	9	1	YES	YES	YES	NO	2508
(170, 47)	11	(5, 2)	3	5	YES	YES	YES	NO	2509
(170, 47)	11	(7, 3)	4	1	YES	YES	YES	NO	2510
(170, 47)	11	(7, 3)	4	1	YES	YES	YES	NO	2511
(170, 47)	11	(8, 3)	4	2	YES	YES	YES	NO	2512
(171, 50)	11	(2, 1)	1	1	YES	YES	YES	NO	2513
(171, 65)	11	(2, 1)	1	1	YES	YES	YES	NO	2514
(171, 65)	11	(3, 1)	2	3	YES	YES	YES	NO	2515
(171, 65)	11	(3, 1)	2	3	YES	YES	YES	NO	2516
(171, 65)	11	(5, 2)	3	1	YES	YES	YES	NO	2517
(171, 50)	11	(7, 3)	4	1	YES	YES	YES	NO	2518
(171, 65)	11	(7, 3)	4	1	YES	YES	YES	2831	2519
(171, 65)	11	(9, 4)	5	9	YES	YES	YES	NO	2520

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(171, 50)	11	(13, 3)	6	1	YES	YES	YES	NO	2521
(171, 65)	11	(37, 14)	8	1	YES	YES	YES	NO	2522
(172, 71)	11	(3, 1)	2	1	YES	YES	YES	NO	2523
(172, 75)	12	(3, 1)	2	1	YES	YES	YES	NO	2524
(172, 75)	12	(5, 2)	3	1	YES	YES	YES	NO	2525
(172, 71)	11	(29, 12)	7	1	YES	YES	YES	2648	2526
(172, 63)	11	(112, 41)	10	4	YES	YES	YES	NO	2527
(173, 64)	11	(5, 2)	3	1	YES	YES	YES	NO	2528
(173, 73)	11	(5, 2)	3	1	YES	YES	YES	NO	2529
(173, 66)	11	(7, 3)	4	1	YES	YES	YES	NO	2530
(173, 66)	11	(9, 2)	5	1	YES	YES	YES	NO	2531
(173, 64)	11	(11, 4)	5	1	YES	YES	YES	NO	2532
(173, 64)	11	(119, 44)	10	1	YES	YES	YES	NO	2533
(173, 73)	11	(154, 65)	11	1	YES	YES	YES	NO	2534
(173, 64)	11	(173, 64)	11	173	YES	YES	YES	NO	2535
(175, 67)	11	(2, 1)	1	1	NO	YES	YES	NO	2536
(175, 67)	11	(5, 2)	3	5	YES	YES	YES	NO	2537
(175, 67)	11	(5, 2)	3	5	YES	YES	YES	NO	2538
(175, 67)	11	(13, 5)	5	1	YES	YES	YES	NO	2539
(175, 67)	11	(115, 44)	10	5	YES	YES	YES	3123	2540
(176, 65)	11	(5, 2)	3	1	YES	YES	YES	NO	2541
(176, 65)	11	(7, 3)	4	1	YES	YES	YES	NO	2542
(177, 65)	11	(2, 1)	1	1	YES	YES	YES	NO	2543
(177, 65)	11	(3, 1)	2	3	YES	YES	YES	NO	2544
(177, 65)	11	(5, 2)	3	1	YES	YES	YES	NO	2545
(177, 49)	11	(7, 3)	4	1	YES	YES	YES	NO	2546
(177, 49)	11	(17, 5)	6	1	YES	YES	YES	NO	2547
(177, 65)	11	(27, 10)	7	3	YES	YES	YES	NO	2548
(177, 65)	11	(30, 11)	7	3	YES	YES	YES	NO	2549
(178, 69)	11	(2, 1)	1	2	YES	YES	YES	NO	2550
(178, 69)	11	(3, 1)	2	1	YES	YES	YES	NO	2551
(178, 69)	11	(3, 1)	2	1	YES	YES	YES	NO	2552
(178, 69)	11	(3, 1)	2	1	YES	YES	YES	NO	2553
(178, 69)	11	(5, 2)	3	1	YES	YES	YES	NO	2554
(178, 69)	11	(13, 5)	5	1	YES	YES	YES	NO	2555
(178, 69)	11	(21, 8)	6	1	YES	YES	YES	NO	2556
(178, 69)	11	(23, 9)	7	1	YES	YES	YES	NO	2557
(179, 75)	11	(2, 1)	1	1	YES	YES	YES	NO	2558
(179, 50)	11	(3, 1)	2	1	YES	YES	YES	NO	2559
(179, 74)	11	(3, 1)	2	1	YES	YES	YES	NO	2560
(179, 75)	11	(3, 1)	2	1	YES	YES	YES	NO	2561
(179, 75)	11	(3, 1)	2	1	YES	YES	YES	NO	2562
(179, 78)	12	(3, 1)	2	1	YES	YES	YES	NO	2563
(179, 74)	11	(17, 7)	6	1	YES	YES	YES	2135	2564
(179, 74)	11	(121, 50)	10	1	YES	YES	YES	NO	2565
(179, 75)	11	(179, 75)	11	179	YES	YES	YES	NO	2566
(180, 41)	12	(7, 3)	4	1	YES	YES	YES	NO	2567
(180, 41)	12	(8, 3)	4	4	YES	YES	YES	NO	2568
(181, 50)	11	(2, 1)	1	1	YES	YES	YES	NO	2569
(181, 65)	12	(2, 1)	1	1	YES	YES	YES	NO	2570
(181, 75)	11	(2, 1)	1	1	YES	YES	YES	NO	2571
(181, 76)	11	(2, 1)	1	1	YES	YES	YES	NO	2572
(181, 53)	12	(3, 1)	2	1	YES	YES	YES	NO	2573

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(181, 53)	12	(3, 1)	2	1	YES	YES	YES	NO	2574
(181, 70)	11	(5, 2)	3	1	YES	YES	YES	NO	2575
(181, 75)	11	(5, 2)	3	1	YES	YES	YES	NO	2576
(181, 76)	11	(5, 2)	3	1	YES	YES	YES	NO	2577
(181, 53)	12	(11, 3)	5	1	YES	YES	YES	NO	2578
(181, 55)	12	(11, 3)	5	1	YES	YES	YES	NO	2579
(181, 76)	11	(19, 8)	6	1	YES	YES	YES	NO	2580
(181, 53)	12	(24, 7)	7	1	YES	YES	YES	NO	2581
(181, 76)	11	(31, 13)	7	1	YES	YES	YES	NO	2582
(181, 50)	11	(76, 21)	9	1	YES	YES	YES	NO	2583
(181, 41)	12	(115, 26)	11	1	YES	YES	YES	NO	2584
(181, 70)	11	(119, 46)	10	1	YES	YES	YES	NO	2585
(182, 71)	12	(3, 1)	2	1	YES	YES	YES	NO	2586
(182, 71)	12	(3, 1)	2	1	YES	YES	YES	NO	2587
(183, 71)	11	(2, 1)	1	1	YES	YES	YES	NO	2588
(183, 71)	11	(4, 1)	3	1	YES	YES	YES	NO	2589
(183, 71)	11	(8, 3)	4	1	YES	YES	YES	NO	2590
(183, 71)	11	(85, 33)	10	1	YES	YES	YES	NO	2591
(184, 71)	12	(4, 1)	3	4	YES	YES	YES	NO	2592
(184, 57)	12	(42, 13)	9	2	YES	YES	YES	2414	2593
(184, 77)	12	(184, 77)	12	184	YES	YES	YES	NO	2594
(186, 71)	11	(2, 1)	1	2	YES	YES	YES	NO	2595
(186, 71)	11	(4, 1)	3	2	YES	YES	YES	NO	2596
(186, 71)	11	(4, 1)	3	2	YES	YES	YES	NO	2597
(186, 71)	11	(7, 3)	4	1	YES	YES	YES	NO	2598
(186, 71)	11	(8, 3)	4	2	YES	YES	YES	2175	2599
(186, 71)	11	(34, 13)	7	2	YES	YES	YES	NO	2600
(187, 71)	11	(2, 1)	1	1	YES	YES	YES	NO	2601
(187, 71)	11	(3, 1)	2	1	YES	YES	YES	NO	2602
(187, 71)	11	(4, 1)	3	1	YES	YES	YES	NO	2603
(187, 71)	11	(18, 7)	6	1	YES	YES	YES	NO	2604
(187, 71)	11	(50, 19)	8	1	YES	YES	YES	NO	2605
(188, 69)	11	(3, 1)	2	1	YES	YES	YES	NO	2606
(188, 79)	11	(7, 2)	4	1	YES	YES	YES	NO	2607
(188, 79)	11	(8, 3)	4	4	YES	YES	YES	NO	2608
(188, 79)	11	(17, 7)	6	1	YES	YES	YES	NO	2609
(188, 79)	11	(43, 18)	8	1	YES	YES	YES	3134	2610
(189, 73)	12	(5, 1)	4	1	YES	YES	YES	NO	2611
(189, 73)	12	(5, 1)	4	1	YES	YES	YES	NO	2612
(189, 55)	12	(17, 5)	6	1	YES	YES	YES	2369	2613
(189, 55)	12	(38, 11)	9	1	YES	YES	YES	NO	2614
(189, 83)	12	(66, 29)	9	3	YES	YES	YES	NO	2615
(191, 80)	11	(2, 1)	1	1	YES	YES	YES	NO	2616
(191, 71)	12	(3, 1)	2	1	YES	YES	YES	NO	2617
(191, 56)	12	(5, 2)	3	1	YES	YES	YES	NO	2618
(191, 74)	11	(5, 2)	3	1	YES	YES	YES	NO	2619
(191, 58)	12	(33, 10)	8	1	YES	YES	YES	NO	2620
(191, 56)	12	(75, 22)	10	1	YES	YES	YES	2699	2621
(192, 73)	11	(2, 1)	1	2	YES	YES	YES	NO	2622
(192, 71)	11	(3, 1)	2	3	YES	YES	YES	NO	2623
(192, 71)	11	(3, 1)	2	3	YES	YES	YES	NO	2624
(192, 73)	11	(4, 1)	3	4	YES	YES	YES	NO	2625
(192, 73)	11	(8, 3)	4	8	YES	YES	YES	NO	2626

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(192, 73)	11	(21, 8)	6	3	YES	YES	YES	NO	2627
(192, 73)	11	(192, 73)	11	192	YES	YES	YES	NO	2628
(193, 81)	11	(2, 1)	1	1	YES	YES	YES	NO	2629
(193, 81)	11	(8, 3)	4	1	YES	YES	YES	NO	2630
(193, 81)	11	(19, 8)	6	1	YES	YES	YES	2199	2631
(193, 80)	12	(70, 29)	9	1	YES	YES	YES	NO	2632
(193, 81)	11	(81, 34)	9	1	YES	YES	YES	NO	2633
(193, 81)	11	(131, 55)	10	1	YES	YES	YES	NO	2634
(194, 75)	11	(2, 1)	1	2	YES	YES	YES	NO	2635
(194, 75)	11	(4, 1)	3	2	YES	YES	YES	NO	2636
(194, 75)	11	(5, 2)	3	1	YES	YES	YES	NO	2637
(194, 75)	11	(8, 3)	4	2	YES	YES	YES	NO	2638
(194, 75)	11	(57, 22)	9	1	YES	YES	YES	NO	2639
(194, 75)	11	(106, 41)	10	2	YES	YES	YES	NO	2640
(194, 75)	11	(119, 46)	10	1	YES	YES	YES	NO	2641
(196, 75)	11	(2, 1)	1	2	YES	YES	YES	NO	2642
(196, 75)	11	(3, 1)	2	1	YES	YES	YES	NO	2643
(196, 75)	11	(3, 1)	2	1	YES	YES	YES	NO	2644
(196, 75)	11	(4, 1)	3	4	YES	YES	YES	NO	2645
(196, 75)	11	(4, 1)	3	4	YES	YES	YES	NO	2646
(196, 75)	11	(8, 3)	4	4	YES	YES	YES	NO	2647
(196, 81)	11	(17, 7)	6	1	YES	YES	YES	2526	2648
(196, 75)	11	(21, 8)	6	7	YES	YES	YES	NO	2649
(196, 81)	11	(22, 9)	7	2	YES	YES	YES	NO	2650
(196, 55)	12	(29, 8)	7	1	YES	YES	YES	NO	2651
(196, 81)	11	(41, 17)	8	1	YES	YES	YES	NO	2652
(196, 75)	11	(81, 31)	9	1	YES	YES	YES	NO	2653
(197, 76)	12	(4, 1)	3	1	YES	YES	YES	NO	2654
(197, 61)	13	(13, 4)	6	1	YES	YES	YES	NO	2655
(197, 43)	12	(33, 7)	8	1	YES	YES	YES	NO	2656
(198, 71)	12	(3, 1)	2	3	YES	YES	YES	NO	2657
(199, 76)	11	(2, 1)	1	1	YES	YES	YES	NO	2658
(199, 76)	11	(3, 1)	2	1	YES	YES	YES	NO	2659
(199, 55)	11	(5, 2)	3	1	YES	YES	YES	NO	2660
(199, 76)	11	(5, 2)	3	1	YES	YES	YES	NO	2661
(199, 76)	11	(13, 5)	5	1	YES	YES	YES	NO	2662
(199, 76)	11	(34, 13)	7	1	YES	YES	YES	NO	2663
(199, 74)	12	(78, 29)	10	1	YES	YES	YES	NO	2664
(199, 76)	11	(89, 34)	9	1	YES	YES	YES	2805	2665
(200, 59)	12	(4, 1)	3	4	YES	YES	YES	NO	2666
(200, 61)	12	(36, 11)	8	4	YES	YES	YES	NO	2667
(201, 37)	14	(2, 1)	1	1	YES	YES	YES	NO	2668
(201, 77)	12	(5, 1)	4	1	YES	YES	YES	NO	2669
(201, 61)	12	(33, 10)	8	3	YES	YES	YES	NO	2670
(201, 83)	12	(155, 64)	11	1	YES	YES	YES	NO	2671
(202, 89)	12	(16, 7)	6	2	YES	YES	YES	2372	2672
(202, 59)	12	(89, 26)	10	1	YES	YES	YES	NO	2673
(203, 57)	12	(2, 1)	1	1	YES	YES	YES	NO	2674
(203, 75)	12	(3, 1)	2	1	YES	YES	YES	NO	2675
(203, 75)	12	(11, 4)	5	1	YES	YES	YES	NO	2676
(204, 89)	12	(3, 1)	2	3	YES	YES	YES	NO	2677
(204, 89)	12	(3, 1)	2	3	YES	YES	YES	NO	2678
(205, 78)	12	(5, 2)	3	5	YES	YES	YES	NO	2679

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(206, 85)	12	(12, 5)	5	2	YES	YES	YES	2023	2680
(206, 47)	12	(19, 4)	7	1	YES	YES	YES	NO	2681
(207, 76)	11	(2, 1)	1	1	YES	YES	YES	NO	2682
(207, 76)	11	(3, 1)	2	3	YES	YES	YES	NO	2683
(207, 85)	12	(3, 1)	2	3	YES	YES	YES	NO	2684
(207, 85)	12	(3, 1)	2	3	YES	YES	YES	NO	2685
(207, 79)	11	(4, 1)	3	1	YES	YES	YES	NO	2686
(207, 79)	11	(4, 1)	3	1	YES	YES	YES	NO	2687
(207, 79)	11	(7, 2)	4	1	YES	YES	YES	NO	2688
(207, 79)	11	(34, 13)	7	1	YES	YES	YES	2804	2689
(207, 79)	11	(47, 18)	8	1	YES	YES	YES	3194	2690
(207, 79)	11	(97, 37)	10	1	YES	YES	YES	NO	2691
(207, 79)	11	(131, 50)	10	1	YES	YES	YES	NO	2692
(207, 85)	12	(151, 62)	11	1	YES	YES	YES	NO	2693
(207, 79)	11	(207, 79)	11	207	YES	YES	YES	NO	2694
(207, 85)	12	(207, 85)	12	207	YES	YES	YES	NO	2695
(208, 79)	11	(2, 1)	1	2	YES	YES	YES	NO	2696
(208, 79)	11	(3, 1)	2	1	YES	YES	YES	NO	2697
(208, 79)	11	(37, 14)	8	1	YES	YES	YES	NO	2698
(208, 61)	12	(58, 17)	9	2	YES	YES	YES	2621	2699
(209, 80)	11	(2, 1)	1	1	YES	YES	YES	NO	2700
(209, 80)	11	(3, 1)	2	1	YES	YES	YES	NO	2701
(209, 81)	11	(5, 2)	3	1	YES	YES	YES	NO	2702
(209, 81)	11	(13, 5)	5	1	YES	YES	YES	NO	2703
(209, 80)	11	(21, 8)	6	1	YES	YES	YES	NO	2704
(209, 80)	11	(34, 13)	7	1	YES	YES	YES	NO	2705
(211, 89)	12	(2, 1)	1	1	YES	YES	YES	NO	2706
(211, 78)	12	(46, 17)	8	1	YES	YES	YES	NO	2707
(212, 81)	11	(2, 1)	1	2	YES	YES	YES	NO	2708
(212, 93)	12	(2, 1)	1	2	YES	YES	YES	NO	2709
(212, 81)	11	(3, 1)	2	1	YES	YES	YES	NO	2710
(212, 81)	11	(3, 1)	2	1	YES	YES	YES	NO	2711
(212, 81)	11	(4, 1)	3	4	YES	YES	YES	NO	2712
(212, 81)	11	(4, 1)	3	4	YES	YES	YES	NO	2713
(212, 93)	12	(4, 1)	3	4	YES	YES	YES	NO	2714
(212, 89)	11	(5, 2)	3	1	YES	YES	YES	NO	2715
(212, 81)	11	(7, 3)	4	1	YES	YES	YES	NO	2716
(212, 93)	12	(7, 3)	4	1	YES	YES	YES	NO	2717
(212, 81)	11	(21, 8)	6	1	YES	YES	YES	2276	2718
(212, 63)	13	(27, 8)	7	1	YES	YES	YES	NO	2719
(212, 89)	11	(112, 47)	10	4	YES	YES	YES	NO	2720
(212, 81)	11	(123, 47)	10	1	YES	YES	YES	NO	2721
(212, 81)	11	(212, 81)	11	212	YES	YES	YES	NO	2722
(213, 59)	12	(3, 1)	2	3	YES	YES	YES	NO	2723
(213, 65)	12	(3, 1)	2	3	YES	YES	YES	NO	2724
(213, 65)	12	(3, 1)	2	3	YES	YES	YES	NO	2725
(213, 59)	12	(5, 2)	3	1	YES	YES	YES	NO	2726
(213, 62)	12	(7, 2)	4	1	YES	YES	YES	NO	2727
(213, 59)	12	(10, 3)	5	1	YES	YES	YES	NO	2728
(213, 88)	12	(29, 12)	7	1	YES	YES	YES	NO	2729
(213, 65)	12	(36, 11)	8	3	YES	YES	YES	NO	2730
(213, 88)	12	(167, 69)	11	1	YES	YES	YES	NO	2731
(214, 79)	12	(3, 1)	2	1	YES	YES	YES	NO	2732

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(214, 79)	12	(4, 1)	3	2	YES	YES	YES	NO	2733
(214, 79)	12	(27, 10)	7	1	YES	YES	YES	NO	2734
(214, 79)	12	(46, 17)	8	2	YES	YES	YES	NO	2735
(215, 83)	12	(4, 1)	3	1	YES	YES	YES	NO	2736
(215, 83)	12	(4, 1)	3	1	YES	YES	YES	NO	2737
(215, 82)	12	(6, 1)	5	1	YES	YES	YES	NO	2738
(215, 63)	12	(7, 2)	4	1	YES	YES	YES	NO	2739
(215, 63)	12	(11, 2)	6	1	YES	YES	YES	NO	2740
(215, 79)	12	(11, 4)	5	1	YES	YES	YES	NO	2741
(215, 51)	13	(17, 4)	7	1	YES	YES	YES	NO	2742
(215, 63)	12	(24, 7)	7	1	YES	YES	YES	NO	2743
(215, 83)	12	(31, 12)	7	1	YES	YES	YES	NO	2744
(215, 82)	12	(97, 37)	10	1	YES	YES	YES	NO	2745
(215, 58)	12	(100, 27)	10	5	YES	YES	YES	NO	2746
(215, 83)	12	(101, 39)	10	1	YES	YES	YES	2948	2747
(217, 60)	12	(2, 1)	1	1	YES	YES	YES	NO	2748
(217, 60)	12	(5, 2)	3	1	YES	YES	YES	NO	2749
(217, 60)	12	(5, 2)	3	1	YES	YES	YES	NO	2750
(217, 60)	12	(10, 3)	5	1	YES	YES	YES	NO	2751
(217, 78)	12	(39, 14)	8	1	YES	YES	YES	NO	2752
(217, 90)	13	(217, 90)	13	217	YES	YES	YES	NO	2753
(218, 49)	13	(3, 1)	2	1	YES	YES	YES	NO	2754
(218, 85)	12	(3, 1)	2	1	YES	YES	YES	NO	2755
(218, 85)	12	(100, 39)	10	2	YES	YES	YES	2949	2756
(218, 85)	12	(218, 85)	12	218	YES	YES	YES	NO	2757
(219, 79)	12	(2, 1)	1	1	YES	YES	YES	NO	2758
(219, 64)	12	(3, 1)	2	3	YES	YES	YES	NO	2759
(219, 79)	12	(3, 1)	2	3	YES	YES	YES	NO	2760
(219, 79)	12	(4, 1)	3	1	YES	YES	YES	NO	2761
(219, 85)	12	(4, 1)	3	1	YES	YES	YES	NO	2762
(219, 61)	12	(5, 2)	3	1	YES	YES	YES	NO	2763
(219, 65)	12	(5, 2)	3	1	YES	YES	YES	NO	2764
(219, 65)	12	(5, 2)	3	1	YES	YES	YES	NO	2765
(219, 65)	12	(11, 3)	5	1	YES	YES	YES	3212	2766
(219, 79)	12	(14, 5)	6	1	YES	YES	YES	NO	2767
(219, 79)	12	(25, 9)	7	1	YES	YES	YES	NO	2768
(219, 64)	12	(41, 12)	8	1	YES	YES	YES	NO	2769
(221, 84)	12	(3, 1)	2	1	YES	YES	YES	NO	2770
(221, 84)	12	(8, 3)	4	1	YES	YES	YES	NO	2771
(222, 65)	13	(2, 1)	1	2	YES	YES	YES	NO	2772
(222, 65)	13	(24, 7)	7	6	YES	YES	YES	NO	2773
(222, 85)	12	(34, 13)	7	2	YES	YES	YES	NO	2774
(225, 98)	12	(3, 1)	2	3	YES	YES	YES	NO	2775
(226, 83)	12	(2, 1)	1	2	YES	YES	YES	NO	2776
(226, 63)	12	(3, 1)	2	1	YES	YES	YES	NO	2777
(226, 61)	12	(5, 2)	3	1	YES	YES	YES	NO	2778
(226, 69)	12	(17, 5)	6	1	YES	YES	YES	NO	2779
(227, 66)	12	(2, 1)	1	1	YES	YES	YES	NO	2780
(227, 86)	12	(2, 1)	1	1	YES	YES	YES	NO	2781
(227, 94)	12	(2, 1)	1	1	YES	YES	YES	NO	2782
(227, 86)	12	(3, 1)	2	1	YES	YES	YES	NO	2783
(227, 86)	12	(3, 1)	2	1	YES	YES	YES	NO	2784
(227, 86)	12	(4, 1)	3	1	YES	YES	YES	NO	2785

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(227, 52)	13	(5, 1)	4	1	YES	YES	YES	NO	2786
(227, 52)	13	(5, 2)	3	1	YES	YES	YES	NO	2787
(227, 88)	12	(5, 2)	3	1	YES	YES	YES	NO	2788
(227, 86)	12	(13, 5)	5	1	YES	YES	YES	NO	2789
(227, 86)	12	(66, 25)	9	1	YES	YES	YES	NO	2790
(227, 86)	12	(95, 36)	10	1	YES	YES	YES	2925	2791
(227, 94)	12	(99, 41)	10	1	YES	YES	YES	NO	2792
(227, 86)	12	(227, 86)	12	227	YES	YES	YES	NO	2793
(229, 95)	12	(2, 1)	1	1	YES	YES	YES	NO	2794
(229, 95)	12	(3, 1)	2	1	YES	YES	YES	NO	2795
(229, 63)	13	(4, 1)	3	1	YES	YES	YES	NO	2796
(229, 64)	12	(5, 2)	3	1	YES	YES	YES	NO	2797
(229, 63)	13	(29, 8)	7	1	YES	YES	YES	NO	2798
(231, 83)	12	(3, 1)	2	3	YES	YES	YES	NO	2799
(231, 83)	12	(11, 4)	5	11	YES	YES	YES	NO	2800
(233, 89)	11	(2, 1)	1	1	YES	YES	YES	NO	2801
(233, 89)	11	(3, 1)	2	1	YES	YES	YES	NO	2802
(233, 89)	11	(13, 5)	5	1	YES	YES	YES	NO	2803
(233, 89)	11	(21, 8)	6	1	YES	YES	YES	2689	2804
(233, 89)	11	(55, 21)	8	1	YES	YES	YES	2665	2805
(234, 43)	14	(2, 1)	1	2	YES	YES	YES	NO	2806
(234, 71)	12	(2, 1)	1	2	YES	YES	YES	NO	2807
(234, 53)	13	(5, 2)	3	1	YES	YES	YES	NO	2808
(234, 43)	14	(6, 1)	5	6	YES	YES	YES	NO	2809
(234, 53)	13	(35, 8)	8	1	YES	YES	YES	2890	2810
(234, 71)	12	(79, 24)	10	1	YES	YES	YES	NO	2811
(235, 66)	12	(2, 1)	1	1	YES	YES	YES	NO	2812
(235, 97)	12	(2, 1)	1	1	YES	YES	YES	NO	2813
(236, 69)	12	(2, 1)	1	2	YES	YES	YES	NO	2814
(236, 69)	12	(3, 1)	2	1	YES	YES	YES	NO	2815
(236, 69)	12	(3, 1)	2	1	YES	YES	YES	NO	2816
(236, 69)	12	(5, 1)	4	1	YES	YES	YES	NO	2817
(236, 69)	12	(17, 5)	6	1	YES	YES	YES	NO	2818
(236, 69)	12	(41, 12)	8	1	YES	YES	YES	NO	2819
(237, 100)	12	(3, 1)	2	3	YES	YES	YES	NO	2820
(237, 64)	12	(5, 2)	3	1	YES	YES	YES	NO	2821
(237, 100)	12	(109, 46)	10	1	YES	YES	YES	3046	2822
(238, 69)	13	(2, 1)	1	2	YES	YES	YES	NO	2823
(238, 69)	13	(5, 1)	4	1	YES	YES	YES	NO	2824
(238, 69)	13	(10, 3)	5	2	YES	YES	YES	NO	2825
(238, 69)	13	(31, 9)	8	1	YES	YES	YES	NO	2826
(239, 99)	12	(2, 1)	1	1	YES	YES	YES	NO	2827
(239, 70)	12	(3, 1)	2	1	YES	YES	YES	NO	2828
(239, 70)	12	(3, 1)	2	1	YES	YES	YES	NO	2829
(239, 99)	12	(3, 1)	2	1	YES	YES	YES	NO	2830
(239, 99)	12	(3, 1)	2	1	YES	YES	YES	2519	2831
(239, 101)	12	(5, 2)	3	1	YES	YES	YES	NO	2832
(239, 99)	12	(7, 3)	4	1	YES	YES	YES	NO	2833
(239, 101)	12	(12, 5)	5	1	YES	YES	YES	NO	2834
(239, 70)	12	(13, 4)	6	1	YES	YES	YES	NO	2835
(239, 99)	12	(17, 7)	6	1	YES	YES	YES	2489	2836
(239, 67)	13	(18, 5)	6	1	YES	YES	YES	NO	2837
(239, 71)	12	(24, 7)	7	1	YES	YES	YES	NO	2838

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(239, 99)	12	(41, 17)	8	1	YES	YES	YES	NO	2839
(239, 99)	12	(239, 99)	12	239	YES	YES	YES	NO	2840
(240, 71)	12	(3, 1)	2	3	NO	YES	YES	NO	2841
(240, 71)	12	(44, 13)	8	4	YES	YES	YES	NO	2842
(241, 89)	12	(2, 1)	1	1	YES	YES	YES	NO	2843
(241, 101)	12	(3, 1)	2	1	YES	YES	YES	NO	2844
(241, 94)	12	(8, 3)	4	1	YES	YES	YES	NO	2845
(241, 94)	12	(13, 5)	5	1	YES	YES	YES	NO	2846
(241, 89)	12	(46, 17)	8	1	YES	YES	YES	NO	2847
(241, 89)	12	(111, 41)	10	1	YES	YES	YES	3069	2848
(241, 89)	12	(176, 65)	11	1	YES	YES	YES	NO	2849
(242, 45)	14	(2, 1)	1	2	YES	YES	YES	NO	2850
(242, 71)	13	(2, 1)	1	2	YES	YES	YES	NO	2851
(242, 71)	13	(2, 1)	1	2	YES	YES	YES	NO	2852
(242, 71)	13	(4, 1)	3	2	YES	YES	YES	NO	2853
(242, 65)	12	(5, 2)	3	1	YES	YES	YES	NO	2854
(242, 71)	13	(10, 3)	5	2	YES	YES	YES	NO	2855
(242, 71)	13	(92, 27)	11	2	YES	YES	YES	2950	2856
(243, 71)	12	(2, 1)	1	1	YES	YES	YES	NO	2857
(243, 94)	12	(2, 1)	1	1	YES	YES	YES	NO	2858
(243, 94)	12	(3, 1)	2	3	YES	YES	YES	NO	2859
(243, 53)	13	(19, 4)	7	1	YES	YES	YES	NO	2860
(243, 53)	13	(37, 8)	8	1	YES	YES	YES	2967	2861
(243, 71)	12	(89, 26)	10	1	YES	YES	YES	NO	2862
(243, 94)	12	(106, 41)	10	1	YES	YES	YES	NO	2863
(243, 94)	12	(243, 94)	12	243	YES	YES	YES	NO	2864
(245, 69)	13	(2, 1)	1	1	YES	YES	YES	NO	2865
(245, 69)	13	(4, 1)	3	1	YES	YES	YES	NO	2866
(245, 69)	13	(5, 1)	4	5	YES	YES	YES	NO	2867
(245, 69)	13	(32, 9)	8	1	YES	YES	YES	NO	2868
(245, 69)	13	(103, 29)	11	1	YES	YES	YES	3031	2869
(246, 73)	12	(2, 1)	1	2	YES	YES	YES	NO	2870
(246, 91)	12	(2, 1)	1	2	YES	YES	YES	NO	2871
(246, 91)	12	(2, 1)	1	2	YES	YES	YES	NO	2872
(246, 95)	12	(2, 1)	1	2	YES	YES	YES	NO	2873
(246, 91)	12	(3, 1)	2	3	YES	YES	YES	NO	2874
(246, 95)	12	(3, 1)	2	3	YES	YES	YES	NO	2875
(246, 95)	12	(3, 1)	2	3	YES	YES	YES	NO	2876
(246, 101)	12	(3, 1)	2	3	YES	YES	YES	NO	2877
(246, 91)	12	(11, 4)	5	1	YES	YES	YES	NO	2878
(246, 91)	12	(19, 7)	6	1	YES	YES	YES	NO	2879
(246, 101)	12	(39, 16)	8	3	YES	YES	YES	NO	2880
(246, 95)	12	(57, 22)	9	3	YES	YES	YES	NO	2881
(246, 95)	12	(101, 39)	10	1	YES	YES	YES	NO	2882
(246, 91)	12	(173, 64)	11	1	YES	YES	YES	NO	2883
(247, 69)	12	(2, 1)	1	1	YES	YES	YES	NO	2884
(247, 69)	12	(3, 1)	2	1	YES	YES	YES	NO	2885
(247, 69)	12	(5, 1)	4	1	YES	YES	YES	NO	2886
(247, 69)	12	(18, 5)	6	1	YES	YES	YES	NO	2887
(249, 95)	12	(3, 1)	2	3	YES	YES	YES	NO	2888
(249, 58)	13	(5, 2)	3	1	YES	YES	YES	NO	2889
(250, 57)	13	(31, 7)	8	1	YES	YES	YES	2810	2890
(251, 74)	13	(2, 1)	1	1	YES	YES	YES	NO	2891

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(251, 104)	12	(2, 1)	1	1	YES	YES	YES	NO	2892
(251, 74)	13	(4, 1)	3	1	YES	YES	YES	NO	2893
(251, 46)	15	(5, 1)	4	1	YES	YES	YES	NO	2894
(251, 104)	12	(7, 3)	4	1	YES	YES	YES	NO	2895
(251, 74)	13	(10, 3)	5	1	YES	YES	YES	NO	2896
(251, 104)	12	(29, 12)	7	1	YES	YES	YES	NO	2897
(251, 74)	13	(44, 13)	8	1	YES	YES	YES	NO	2898
(253, 60)	13	(2, 1)	1	1	YES	YES	YES	NO	2899
(253, 106)	12	(2, 1)	1	1	YES	YES	YES	NO	2900
(253, 98)	12	(3, 1)	2	1	YES	YES	YES	NO	2901
(253, 106)	12	(5, 2)	3	1	YES	YES	YES	NO	2902
(253, 106)	12	(105, 44)	10	1	YES	YES	YES	3057	2903
(254, 105)	12	(2, 1)	1	2	YES	YES	YES	NO	2904
(254, 75)	12	(3, 1)	2	1	YES	YES	YES	NO	2905
(254, 71)	12	(10, 3)	5	2	YES	YES	YES	NO	2906
(254, 75)	12	(13, 4)	6	1	YES	YES	YES	NO	2907
(254, 75)	12	(27, 8)	7	1	YES	YES	YES	NO	2908
(255, 71)	13	(3, 1)	2	3	YES	YES	YES	NO	2909
(255, 71)	13	(11, 3)	5	1	YES	YES	YES	NO	2910
(255, 71)	13	(97, 27)	11	1	YES	YES	YES	3008	2911
(255, 76)	13	(104, 31)	11	1	YES	YES	YES	NO	2912
(256, 75)	12	(2, 1)	1	2	YES	YES	YES	NO	2913
(256, 75)	12	(2, 1)	1	2	YES	YES	YES	NO	2914
(256, 99)	12	(2, 1)	1	2	YES	YES	YES	NO	2915
(256, 75)	12	(3, 1)	2	1	YES	YES	YES	NO	2916
(256, 97)	12	(3, 1)	2	1	YES	YES	YES	NO	2917
(256, 99)	12	(3, 1)	2	1	YES	YES	YES	NO	2918
(256, 99)	12	(3, 1)	2	1	YES	YES	YES	NO	2919
(256, 99)	12	(3, 1)	2	1	YES	YES	YES	NO	2920
(256, 99)	12	(4, 1)	3	4	YES	YES	YES	NO	2921
(256, 99)	12	(4, 1)	3	4	YES	YES	YES	NO	2922
(256, 75)	12	(24, 7)	7	8	YES	YES	YES	NO	2923
(256, 99)	12	(31, 12)	7	1	YES	YES	YES	NO	2924
(256, 97)	12	(66, 25)	9	2	YES	YES	YES	2791	2925
(256, 99)	12	(75, 29)	9	1	YES	YES	YES	NO	2926
(256, 75)	12	(99, 29)	10	1	YES	YES	YES	NO	2927
(256, 99)	12	(106, 41)	10	2	YES	YES	YES	3070	2928
(256, 99)	12	(181, 70)	11	1	YES	YES	YES	NO	2929
(256, 99)	12	(256, 99)	12	256	YES	YES	YES	NO	2930
(257, 108)	12	(2, 1)	1	1	YES	YES	YES	NO	2931
(257, 76)	12	(3, 1)	2	1	YES	YES	YES	NO	2932
(257, 108)	12	(3, 1)	2	1	YES	YES	YES	NO	2933
(257, 108)	12	(3, 1)	2	1	YES	YES	YES	NO	2934
(257, 76)	12	(7, 2)	4	1	YES	YES	YES	NO	2935
(257, 76)	12	(17, 5)	6	1	YES	YES	YES	NO	2936
(257, 108)	12	(50, 21)	8	1	YES	YES	YES	NO	2937
(257, 59)	14	(74, 17)	11	1	YES	YES	YES	NO	2938
(257, 108)	12	(119, 50)	10	1	YES	YES	YES	3136	2939
(258, 109)	12	(4, 1)	3	2	YES	YES	YES	NO	2940
(258, 109)	12	(4, 1)	3	2	YES	YES	YES	NO	2941
(258, 109)	12	(116, 49)	10	2	YES	YES	YES	3125	2942
(259, 76)	13	(2, 1)	1	1	YES	YES	YES	NO	2943
(259, 100)	12	(3, 1)	2	1	YES	YES	YES	NO	2944

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(259, 100)	12	(3, 1)	2	1	YES	YES	YES	NO	2945
(259, 100)	12	(3, 1)	2	1	YES	YES	YES	NO	2946
(259, 76)	13	(4, 1)	3	1	YES	YES	YES	NO	2947
(259, 100)	12	(57, 22)	9	1	YES	YES	YES	2747	2948
(259, 101)	12	(59, 23)	9	1	YES	YES	YES	2756	2949
(259, 76)	13	(75, 22)	10	1	YES	YES	YES	2856	2950
(259, 101)	12	(100, 39)	10	1	YES	YES	YES	NO	2951
(259, 100)	12	(158, 61)	11	1	YES	YES	YES	NO	2952
(259, 101)	12	(159, 62)	11	1	YES	YES	YES	NO	2953
(259, 101)	12	(259, 101)	12	259	YES	YES	YES	NO	2954
(261, 100)	12	(2, 1)	1	1	YES	YES	YES	NO	2955
(261, 100)	12	(3, 1)	2	3	YES	YES	YES	NO	2956
(261, 100)	12	(4, 1)	3	1	YES	YES	YES	NO	2957
(261, 100)	12	(60, 23)	9	3	YES	YES	YES	NO	2958
(261, 100)	12	(107, 41)	10	1	YES	YES	YES	NO	2959
(263, 78)	13	(2, 1)	1	1	YES	YES	YES	NO	2960
(263, 109)	12	(2, 1)	1	1	YES	YES	YES	NO	2961
(263, 109)	12	(3, 1)	2	1	YES	YES	YES	NO	2962
(263, 111)	12	(3, 1)	2	1	YES	YES	YES	NO	2963
(263, 60)	13	(5, 2)	3	1	YES	YES	YES	NO	2964
(263, 78)	13	(7, 2)	4	1	YES	YES	YES	NO	2965
(263, 109)	12	(17, 7)	6	1	YES	YES	YES	NO	2966
(263, 57)	13	(32, 7)	8	1	YES	YES	YES	2861	2967
(263, 71)	12	(89, 24)	10	1	YES	YES	YES	NO	2968
(263, 78)	13	(118, 35)	11	1	YES	YES	YES	NO	2969
(263, 71)	12	(137, 37)	11	1	YES	YES	YES	NO	2970
(263, 111)	12	(263, 111)	12	263	YES	YES	YES	NO	2971
(264, 109)	12	(109, 45)	10	1	YES	YES	YES	NO	2972
(265, 98)	12	(11, 4)	5	1	YES	YES	YES	NO	2973
(265, 97)	12	(112, 41)	10	1	YES	YES	YES	NO	2974
(266, 101)	12	(2, 1)	1	2	YES	YES	YES	NO	2975
(266, 101)	12	(2, 1)	1	2	YES	YES	YES	NO	2976
(267, 74)	13	(2, 1)	1	1	YES	YES	YES	NO	2977
(267, 74)	13	(3, 1)	2	3	YES	YES	YES	NO	2978
(267, 98)	12	(3, 1)	2	3	YES	YES	YES	NO	2979
(267, 98)	12	(8, 3)	4	1	YES	YES	YES	NO	2980
(267, 98)	12	(19, 7)	6	1	YES	YES	YES	NO	2981
(267, 98)	12	(30, 11)	7	3	YES	YES	YES	NO	2982
(268, 111)	12	(2, 1)	1	2	YES	YES	YES	NO	2983
(268, 111)	12	(3, 1)	2	1	YES	YES	YES	NO	2984
(268, 111)	12	(3, 1)	2	1	YES	YES	YES	NO	2985
(268, 111)	12	(4, 1)	3	4	YES	YES	YES	NO	2986
(268, 99)	12	(5, 2)	3	1	YES	YES	YES	NO	2987
(268, 111)	12	(7, 3)	4	1	YES	YES	YES	NO	2988
(268, 111)	12	(17, 7)	6	1	YES	YES	YES	NO	2989
(268, 111)	12	(29, 12)	7	1	YES	YES	YES	NO	2990
(268, 111)	12	(41, 17)	8	1	YES	YES	YES	3098	2991
(268, 111)	12	(268, 111)	12	268	YES	YES	YES	NO	2992
(269, 78)	13	(2, 1)	1	1	YES	YES	YES	NO	2993
(269, 78)	13	(2, 1)	1	1	YES	YES	YES	NO	2994
(269, 104)	12	(3, 1)	2	1	YES	YES	YES	NO	2995
(269, 104)	12	(3, 1)	2	1	YES	YES	YES	NO	2996
(269, 78)	13	(5, 1)	4	1	YES	YES	YES	NO	2997

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(269, 104)	12	(8, 3)	4	1	YES	YES	YES	NO	2998
(271, 105)	12	(3, 1)	2	1	YES	YES	YES	NO	2999
(271, 112)	12	(3, 1)	2	1	YES	YES	YES	NO	3000
(271, 112)	12	(46, 19)	8	1	YES	YES	YES	NO	3001
(273, 76)	13	(2, 1)	1	1	YES	YES	YES	NO	3002
(273, 106)	13	(2, 1)	1	1	YES	YES	YES	NO	3003
(273, 76)	13	(3, 1)	2	3	YES	YES	YES	NO	3004
(273, 100)	12	(5, 2)	3	1	YES	YES	YES	NO	3005
(273, 106)	13	(13, 5)	5	13	YES	YES	YES	NO	3006
(273, 80)	13	(41, 12)	8	1	YES	YES	YES	NO	3007
(273, 76)	13	(79, 22)	10	1	YES	YES	YES	2911	3008
(273, 80)	13	(99, 29)	10	3	YES	YES	YES	NO	3009
(273, 80)	13	(215, 63)	12	1	YES	YES	YES	NO	3010
(274, 81)	12	(2, 1)	1	2	YES	YES	YES	NO	3011
(274, 115)	12	(2, 1)	1	2	YES	YES	YES	NO	3012
(274, 81)	12	(3, 1)	2	1	YES	YES	YES	NO	3013
(274, 81)	12	(3, 1)	2	1	YES	YES	YES	NO	3014
(274, 105)	12	(3, 1)	2	1	YES	YES	YES	NO	3015
(274, 115)	12	(3, 1)	2	1	YES	YES	YES	NO	3016
(274, 115)	12	(3, 1)	2	1	YES	YES	YES	NO	3017
(274, 81)	12	(11, 3)	5	1	YES	YES	YES	NO	3018
(274, 115)	12	(19, 8)	6	1	YES	YES	YES	NO	3019
(274, 81)	12	(24, 7)	7	2	YES	YES	YES	NO	3020
(275, 76)	12	(2, 1)	1	1	YES	YES	YES	NO	3021
(275, 76)	12	(2, 1)	1	1	YES	YES	YES	NO	3022
(275, 76)	12	(7, 2)	4	1	YES	YES	YES	NO	3023
(277, 76)	13	(2, 1)	1	1	YES	YES	YES	NO	3024
(277, 78)	13	(2, 1)	1	1	YES	YES	YES	NO	3025
(277, 81)	12	(2, 1)	1	1	YES	YES	YES	NO	3026
(277, 106)	12	(3, 1)	2	1	YES	YES	YES	NO	3027
(277, 117)	12	(4, 1)	3	1	YES	YES	YES	NO	3028
(277, 60)	13	(5, 2)	3	1	YES	YES	YES	NO	3029
(277, 76)	13	(7, 2)	4	1	YES	YES	YES	NO	3030
(277, 78)	13	(71, 20)	10	1	YES	YES	YES	2869	3031
(277, 78)	13	(103, 29)	11	1	YES	YES	YES	NO	3032
(277, 81)	12	(106, 31)	10	1	YES	YES	YES	NO	3033
(277, 117)	12	(116, 49)	10	1	YES	YES	YES	NO	3034
(277, 117)	12	(277, 117)	12	277	YES	YES	YES	NO	3035
(280, 107)	12	(5, 1)	4	5	YES	YES	YES	NO	3036
(281, 64)	13	(2, 1)	1	1	YES	YES	YES	NO	3037
(281, 109)	12	(13, 5)	5	1	YES	YES	YES	NO	3038
(281, 109)	12	(116, 45)	10	1	YES	YES	YES	NO	3039
(282, 109)	12	(2, 1)	1	2	YES	YES	YES	NO	3040
(282, 119)	12	(3, 1)	2	3	YES	YES	YES	NO	3041
(282, 109)	12	(4, 1)	3	2	YES	YES	YES	NO	3042
(282, 119)	12	(5, 1)	4	1	YES	YES	YES	NO	3043
(282, 119)	12	(5, 2)	3	1	YES	YES	YES	NO	3044
(282, 119)	12	(45, 19)	8	3	YES	YES	YES	NO	3045
(282, 119)	12	(64, 27)	9	2	YES	YES	YES	2822	3046
(282, 109)	12	(119, 46)	10	1	YES	YES	YES	NO	3047
(282, 119)	12	(173, 73)	11	1	YES	YES	YES	NO	3048
(283, 108)	12	(2, 1)	1	1	YES	YES	YES	NO	3049
(283, 83)	13	(3, 1)	2	1	YES	YES	YES	NO	3050

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(283, 108)	12	(4, 1)	3	1	YES	YES	YES	NO	3051
(283, 108)	12	(6, 1)	5	1	YES	YES	YES	NO	3052
(283, 108)	12	(13, 5)	5	1	YES	YES	YES	NO	3053
(283, 104)	12	(30, 11)	7	1	YES	YES	YES	NO	3054
(283, 108)	12	(55, 21)	8	1	YES	YES	YES	NO	3055
(283, 83)	13	(133, 39)	11	1	YES	YES	YES	3195	3056
(284, 119)	12	(74, 31)	9	2	YES	YES	YES	2903	3057
(284, 105)	12	(284, 105)	12	284	YES	YES	YES	NO	3058
(286, 105)	12	(2, 1)	1	2	YES	YES	YES	NO	3059
(287, 106)	12	(2, 1)	1	1	YES	YES	YES	NO	3060
(287, 109)	12	(2, 1)	1	1	YES	YES	YES	NO	3061
(287, 111)	12	(2, 1)	1	1	YES	YES	YES	NO	3062
(287, 109)	12	(3, 1)	2	1	YES	YES	YES	NO	3063
(287, 106)	12	(5, 2)	3	1	YES	YES	YES	NO	3064
(287, 111)	12	(5, 1)	4	1	YES	YES	YES	NO	3065
(287, 111)	12	(5, 1)	4	1	YES	YES	YES	NO	3066
(287, 53)	14	(7, 2)	4	7	YES	YES	YES	NO	3067
(287, 109)	12	(21, 8)	6	7	YES	YES	YES	NO	3068
(287, 106)	12	(65, 24)	9	1	YES	YES	YES	2848	3069
(287, 111)	12	(75, 29)	9	1	YES	YES	YES	2928	3070
(287, 80)	13	(104, 29)	10	1	YES	YES	YES	NO	3071
(287, 111)	12	(106, 41)	10	1	YES	YES	YES	NO	3072
(287, 111)	12	(181, 70)	11	1	YES	YES	YES	NO	3073
(288, 85)	13	(2, 1)	1	2	YES	YES	YES	NO	3074
(288, 119)	12	(3, 1)	2	3	YES	YES	YES	NO	3075
(288, 119)	12	(3, 1)	2	3	YES	YES	YES	NO	3076
(288, 119)	12	(4, 1)	3	4	YES	YES	YES	NO	3077
(288, 121)	12	(12, 5)	5	12	YES	YES	YES	NO	3078
(288, 85)	13	(166, 49)	11	2	YES	YES	YES	3230	3079
(288, 119)	12	(167, 69)	11	1	YES	YES	YES	NO	3080
(288, 119)	12	(288, 119)	12	288	YES	YES	YES	NO	3081
(289, 80)	12	(2, 1)	1	1	YES	YES	YES	NO	3082
(289, 84)	13	(3, 1)	2	1	YES	YES	YES	NO	3083
(289, 112)	12	(13, 5)	5	1	YES	YES	YES	NO	3084
(289, 112)	12	(49, 19)	8	1	YES	YES	YES	NO	3085
(290, 81)	12	(2, 1)	1	2	YES	YES	YES	NO	3086
(290, 81)	12	(2, 1)	1	2	YES	YES	YES	NO	3087
(290, 111)	12	(8, 3)	4	2	YES	YES	YES	NO	3088
(290, 81)	12	(18, 5)	6	2	YES	YES	YES	NO	3089
(290, 111)	12	(34, 13)	7	2	YES	YES	YES	NO	3090
(291, 85)	13	(3, 1)	2	3	YES	YES	YES	NO	3091
(291, 85)	13	(4, 1)	3	1	YES	YES	YES	NO	3092
(291, 85)	13	(10, 3)	5	1	YES	YES	YES	NO	3093
(291, 85)	13	(65, 19)	9	1	YES	YES	YES	NO	3094
(292, 111)	12	(2, 1)	1	2	YES	YES	YES	NO	3095
(292, 111)	12	(3, 1)	2	1	YES	YES	YES	NO	3096
(292, 121)	12	(3, 1)	2	1	YES	YES	YES	NO	3097
(292, 121)	12	(29, 12)	7	1	YES	YES	YES	2991	3098
(292, 85)	13	(31, 9)	8	1	YES	YES	YES	NO	3099
(292, 85)	13	(55, 16)	9	1	YES	YES	YES	NO	3100
(292, 111)	12	(121, 46)	10	1	YES	YES	YES	NO	3101
(293, 123)	12	(2, 1)	1	1	YES	YES	YES	NO	3102
(293, 79)	13	(3, 1)	2	1	YES	YES	YES	NO	3103

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(293, 123)	12	(7, 3)	4	1	YES	YES	YES	NO	3104
(295, 108)	12	(4, 1)	3	1	YES	YES	YES	NO	3105
(295, 87)	13	(61, 18)	9	1	YES	YES	YES	NO	3106
(297, 83)	13	(2, 1)	1	1	YES	YES	YES	NO	3107
(297, 83)	13	(3, 1)	2	3	YES	YES	YES	NO	3108
(297, 83)	13	(18, 5)	6	9	YES	YES	YES	NO	3109
(298, 83)	13	(3, 1)	2	1	YES	YES	YES	NO	3110
(298, 83)	13	(298, 83)	13	298	YES	YES	YES	NO	3111
(301, 115)	12	(2, 1)	1	1	YES	YES	YES	NO	3112
(301, 65)	13	(5, 2)	3	1	YES	YES	YES	NO	3113
(301, 65)	13	(5, 2)	3	1	YES	YES	YES	NO	3114
(301, 115)	12	(5, 2)	3	1	YES	YES	YES	NO	3115
(301, 65)	13	(13, 3)	6	1	YES	YES	YES	3245	3116
(301, 115)	12	(21, 8)	6	7	YES	YES	YES	NO	3117
(301, 88)	13	(41, 12)	8	1	YES	YES	YES	NO	3118
(303, 85)	13	(2, 1)	1	1	YES	YES	YES	NO	3119
(303, 85)	13	(3, 1)	2	3	YES	YES	YES	NO	3120
(303, 85)	13	(11, 3)	5	1	YES	YES	YES	NO	3121
(303, 85)	13	(32, 9)	8	1	YES	YES	YES	NO	3122
(303, 116)	12	(34, 13)	7	1	YES	YES	YES	2540	3123
(303, 85)	13	(57, 16)	9	3	YES	YES	YES	NO	3124
(303, 128)	12	(71, 30)	9	1	YES	YES	YES	2942	3125
(304, 85)	13	(3, 1)	2	1	YES	YES	YES	NO	3126
(304, 85)	13	(11, 3)	5	1	YES	YES	YES	NO	3127
(305, 84)	13	(2, 1)	1	1	YES	YES	YES	NO	3128
(305, 118)	13	(137, 53)	11	1	YES	YES	YES	NO	3129
(307, 119)	12	(2, 1)	1	1	YES	YES	YES	NO	3130
(307, 129)	12	(2, 1)	1	1	YES	YES	YES	NO	3131
(307, 69)	14	(3, 1)	2	1	YES	YES	YES	NO	3132
(307, 119)	12	(3, 1)	2	1	YES	YES	YES	NO	3133
(307, 129)	12	(12, 5)	5	1	YES	YES	YES	2610	3134
(307, 85)	13	(47, 13)	8	1	YES	YES	YES	NO	3135
(307, 129)	12	(69, 29)	9	1	YES	YES	YES	2939	3136
(313, 86)	13	(2, 1)	1	1	YES	YES	YES	NO	3137
(313, 121)	12	(2, 1)	1	1	NO	YES	YES	NO	3138
(313, 86)	13	(3, 1)	2	1	YES	YES	YES	NO	3139
(313, 86)	13	(3, 1)	2	1	YES	YES	YES	NO	3140
(313, 86)	13	(3, 1)	2	1	YES	YES	YES	NO	3141
(313, 121)	12	(3, 1)	2	1	YES	YES	YES	NO	3142
(313, 121)	12	(13, 5)	5	1	YES	YES	YES	NO	3143
(313, 86)	13	(18, 5)	6	1	YES	YES	YES	NO	3144
(313, 91)	13	(55, 16)	9	1	YES	YES	YES	NO	3145
(313, 119)	12	(121, 46)	10	1	YES	YES	YES	NO	3146
(315, 88)	13	(3, 1)	2	3	YES	YES	YES	NO	3147
(315, 88)	13	(18, 5)	6	9	YES	YES	YES	NO	3148
(317, 121)	12	(5, 1)	4	1	YES	YES	YES	NO	3149
(317, 121)	12	(5, 2)	3	1	YES	YES	YES	NO	3150
(317, 121)	12	(13, 5)	5	1	YES	YES	YES	NO	3151
(321, 94)	13	(2, 1)	1	1	YES	YES	YES	NO	3152
(321, 95)	13	(2, 1)	1	1	YES	YES	YES	NO	3153
(321, 94)	13	(3, 1)	2	3	YES	YES	YES	NO	3154
(321, 95)	13	(4, 1)	3	1	YES	YES	YES	NO	3155
(321, 94)	13	(140, 41)	11	1	YES	YES	YES	NO	3156

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(322, 73)	14	(5, 1)	4	1	YES	YES	YES	NO	3157
(323, 60)	14	(2, 1)	1	1	YES	YES	YES	NO	3158
(323, 60)	14	(2, 1)	1	1	YES	YES	YES	NO	3159
(323, 94)	13	(2, 1)	1	1	YES	YES	YES	NO	3160
(323, 98)	13	(2, 1)	1	1	YES	YES	YES	NO	3161
(323, 98)	13	(3, 1)	2	1	NO	YES	YES	NO	3162
(323, 94)	13	(17, 5)	6	17	YES	YES	YES	NO	3163
(323, 98)	13	(23, 7)	7	1	YES	YES	YES	NO	3164
(323, 94)	13	(31, 9)	8	1	YES	YES	YES	NO	3165
(323, 98)	13	(56, 17)	9	1	YES	YES	YES	NO	3166
(323, 89)	13	(98, 27)	10	1	YES	YES	YES	NO	3167
(323, 94)	13	(134, 39)	11	1	YES	YES	YES	NO	3168
(324, 95)	13	(10, 3)	5	2	YES	YES	YES	NO	3169
(324, 95)	13	(75, 22)	10	3	YES	YES	YES	NO	3170
(325, 74)	14	(5, 1)	4	5	YES	YES	YES	NO	3171
(326, 99)	13	(2, 1)	1	2	YES	YES	YES	NO	3172
(326, 97)	13	(3, 1)	2	1	YES	YES	YES	NO	3173
(326, 99)	13	(3, 1)	2	1	YES	YES	YES	NO	3174
(326, 71)	14	(4, 1)	3	2	YES	YES	YES	NO	3175
(326, 99)	13	(79, 24)	10	1	YES	YES	YES	NO	3176
(326, 97)	13	(326, 97)	13	326	YES	YES	YES	NO	3177
(333, 101)	13	(2, 1)	1	1	YES	YES	YES	NO	3178
(333, 101)	13	(2, 1)	1	1	YES	YES	YES	NO	3179
(333, 92)	13	(3, 1)	2	3	YES	YES	YES	NO	3180
(333, 76)	13	(9, 2)	5	9	YES	YES	YES	NO	3181
(333, 76)	13	(22, 5)	7	1	YES	YES	YES	NO	3182
(333, 101)	13	(23, 7)	7	1	YES	YES	YES	NO	3183
(335, 73)	14	(2, 1)	1	1	YES	YES	YES	NO	3184
(335, 73)	14	(2, 1)	1	1	YES	YES	YES	NO	3185
(335, 73)	14	(3, 1)	2	1	YES	YES	YES	NO	3186
(335, 73)	14	(3, 1)	2	1	YES	YES	YES	NO	3187
(335, 76)	14	(3, 1)	2	1	YES	YES	YES	NO	3188
(337, 98)	13	(24, 7)	7	1	YES	YES	YES	NO	3189
(337, 91)	13	(137, 37)	11	1	YES	YES	YES	3225	3190
(338, 99)	13	(2, 1)	1	2	YES	YES	YES	NO	3191
(338, 129)	12	(2, 1)	1	2	YES	YES	YES	NO	3192
(338, 77)	14	(5, 1)	4	1	YES	YES	YES	NO	3193
(338, 129)	12	(13, 5)	5	13	YES	YES	YES	2690	3194
(341, 100)	13	(75, 22)	10	1	YES	YES	YES	3056	3195
(341, 100)	13	(133, 39)	11	1	YES	YES	YES	NO	3196
(342, 101)	13	(193, 57)	12	1	YES	YES	YES	NO	3197
(344, 95)	13	(2, 1)	1	2	YES	YES	YES	NO	3198
(344, 95)	13	(2, 1)	1	2	YES	YES	YES	NO	3199
(344, 95)	13	(18, 5)	6	2	YES	YES	YES	2319	3200
(347, 93)	13	(3, 1)	2	1	YES	YES	YES	NO	3201
(347, 101)	13	(3, 1)	2	1	YES	YES	YES	NO	3202
(347, 93)	13	(4, 1)	3	1	YES	YES	YES	NO	3203
(347, 101)	13	(4, 1)	3	1	YES	YES	YES	NO	3204
(347, 93)	13	(41, 11)	8	1	YES	YES	YES	NO	3205
(347, 101)	13	(134, 39)	11	1	YES	YES	YES	NO	3206
(349, 135)	13	(31, 12)	7	1	YES	YES	YES	NO	3207
(353, 97)	13	(3, 1)	2	1	YES	YES	YES	NO	3208
(353, 97)	13	(3, 1)	2	1	YES	YES	YES	NO	3209

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(353, 97)	13	(7, 2)	4	1	YES	YES	YES	NO	3210
(355, 77)	14	(2, 1)	1	1	YES	YES	YES	NO	3211
(355, 99)	13	(3, 1)	2	1	YES	YES	YES	2766	3212
(355, 77)	14	(14, 3)	6	1	YES	YES	YES	NO	3213
(359, 100)	13	(2, 1)	1	1	YES	YES	YES	NO	3214
(359, 57)	16	(3, 1)	2	1	YES	YES	YES	NO	3215
(359, 100)	13	(61, 17)	9	1	YES	YES	YES	NO	3216
(360, 101)	13	(2, 1)	1	2	YES	YES	YES	NO	3217
(360, 101)	13	(57, 16)	9	3	YES	YES	YES	NO	3218
(366, 83)	14	(3, 1)	2	3	YES	YES	YES	NO	3219
(367, 99)	13	(3, 1)	2	1	YES	YES	YES	NO	3220
(367, 112)	13	(23, 7)	7	1	YES	YES	YES	NO	3221
(367, 99)	13	(89, 24)	10	1	YES	YES	YES	NO	3222
(372, 109)	13	(4, 1)	3	4	YES	YES	YES	NO	3223
(372, 109)	13	(17, 5)	6	1	YES	YES	YES	NO	3224
(374, 101)	13	(100, 27)	10	2	YES	YES	YES	3190	3225
(383, 106)	13	(18, 5)	6	1	YES	YES	YES	NO	3226
(389, 89)	14	(2, 1)	1	1	YES	YES	YES	NO	3227
(389, 89)	14	(83, 19)	10	1	YES	YES	YES	NO	3228
(393, 116)	13	(2, 1)	1	1	YES	YES	YES	NO	3229
(393, 116)	13	(61, 18)	9	1	YES	YES	YES	3079	3230
(393, 116)	13	(166, 49)	11	1	YES	YES	YES	NO	3231
(394, 165)	13	(2, 1)	1	2	NO	YES	YES	NO	3232
(397, 75)	15	(3, 1)	2	1	YES	YES	YES	NO	3233
(398, 111)	13	(2, 1)	1	2	YES	YES	YES	NO	3234
(398, 111)	13	(7, 2)	4	1	YES	YES	YES	NO	3235
(403, 87)	14	(4, 1)	3	1	YES	YES	YES	NO	3236
(407, 119)	13	(17, 5)	6	1	YES	YES	YES	NO	3237
(419, 89)	14	(2, 1)	1	1	YES	YES	YES	NO	3238
(419, 89)	14	(2, 1)	1	1	YES	YES	YES	NO	3239
(423, 97)	14	(2, 1)	1	1	YES	YES	YES	NO	3240
(423, 97)	14	(2, 1)	1	1	YES	YES	YES	NO	3241
(423, 97)	14	(3, 1)	2	3	YES	YES	YES	NO	3242
(424, 97)	14	(3, 1)	2	1	YES	YES	YES	NO	3243
(424, 97)	14	(48, 11)	9	8	YES	YES	YES	NO	3244
(437, 99)	14	(5, 1)	4	1	YES	YES	YES	3116	3245
(451, 84)	15	(2, 1)	1	1	YES	YES	YES	NO	3246
(451, 84)	15	(2, 1)	1	1	YES	YES	YES	NO	3247
(451, 84)	15	(3, 1)	2	1	YES	YES	YES	NO	3248
(461, 98)	14	(4, 1)	3	1	YES	YES	YES	NO	3249
(461, 98)	14	(33, 7)	8	1	YES	YES	YES	NO	3250
(466, 109)	14	(13, 3)	6	1	YES	YES	YES	NO	3251
(466, 109)	14	(30, 7)	8	2	YES	YES	YES	NO	3252
(469, 107)	14	(22, 5)	7	1	YES	YES	YES	NO	3253
(477, 88)	15	(27, 5)	8	9	YES	YES	YES	NO	3254
(495, 92)	15	(3, 1)	2	3	YES	YES	YES	NO	3255
(495, 92)	15	(11, 2)	6	11	YES	YES	YES	NO	3256
(495, 92)	15	(27, 5)	8	9	YES	YES	YES	NO	3257
(522, 119)	14	(22, 5)	7	2	YES	YES	YES	NO	3258
(522, 119)	14	(57, 13)	9	3	YES	YES	YES	NO	3259
$(a; 0, 0, 0; 3)$	4	(65, 19)	9	1	YES	YES	YES	NO	3260
$(a; 0, 0, 0; 3)$	4	(76, 29)	9	1	YES	YES	YES	NO	3261
$(a; 0, 0, 0; 3)$	4	(79, 18)	10	1	YES	YES	YES	NO	3262

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(a; 0, 0, 0; 3)$	4	$(89, 24)$	10	1	YES	YES	YES	NO	3263
$(a; 0, 0, 0; 3)$	4	$(101, 22)$	11	1	YES	YES	YES	NO	3264
$(a; 0, 0, 0; 3)$	4	$(101, 23)$	11	1	YES	YES	YES	NO	3265
$(a; 1, 0, 0; 13)$	5	$(46, 19)$	8	1	YES	YES	YES	NO	3266
$(a; 1, 0, 0; 13)$	5	$(55, 23)$	9	1	YES	YES	YES	NO	3267
$(a; 1, 0, 0; 13)$	5	$(61, 17)$	9	1	YES	YES	YES	NO	3268
$(a; 1, 0, 0; 13)$	5	$(89, 27)$	10	1	YES	YES	YES	NO	3269
$(a; 1, 1, 0; 19)$	6	$(29, 11)$	7	1	YES	YES	YES	NO	3270
$(a; 1, 1, 0; 19)$	6	$(31, 12)$	7	1	YES	YES	YES	NO	3271
$(a; 1, 1, 0; 19)$	6	$(37, 14)$	8	1	YES	YES	YES	NO	3272
$(a; 1, 1, 1; 4)$	7	$(12, 5)$	5	4	YES	YES	YES	NO	3273
$(a; 2, 0, 0; 17)$	6	$(58, 17)$	9	1	YES	YES	YES	NO	3274
$(a; 2, 0, 0; 17)$	6	$(79, 18)$	10	1	YES	YES	YES	NO	3275
$(a; 2, 1, 1; 37)$	8	$(13, 5)$	5	1	YES	YES	YES	NO	3276
$(a; 2, 1, 1; 37)$	8	$(16, 5)$	7	1	YES	YES	YES	NO	3277
$(a; 3, 3, 0; 17)$	10	$(2, 1)$	1	1	YES	YES	YES	NO	3278
$(a; 3, 3, 0; 17)$	10	$(5, 1)$	4	1	YES	YES	YES	NO	3279
$(b; 0, 0, 0; 14)$	5	$(25, 7)$	7	1	YES	YES	YES	NO	3280
$(b; 0, 0, 0; 14)$	5	$(29, 12)$	7	1	YES	YES	YES	NO	3281
$(b; 0, 0, 0; 14)$	5	$(31, 12)$	7	1	YES	YES	YES	NO	3282
$(b; 0, 0, 0; 14)$	5	$(40, 9)$	9	2	YES	YES	YES	NO	3283
$(b; 0, 0, 0; 14)$	5	$(44, 17)$	8	2	YES	YES	YES	NO	3284
$(b; 0, 0, 1; 4)$	6	$(17, 7)$	6	1	YES	YES	YES	NO	3285
$(b; 0, 0, 1; 4)$	6	$(23, 9)$	7	1	YES	YES	YES	NO	3286
$(b; 0, 0, 1; 4)$	6	$(26, 11)$	7	2	YES	YES	YES	NO	3287
$(b; 0, 0, 1; 4)$	6	$(31, 12)$	7	1	YES	YES	YES	NO	3288
$(b; 0, 1, 0; 19)$	6	$(24, 7)$	7	1	YES	YES	YES	NO	3289
$(b; 0, 1, 0; 19)$	6	$(26, 11)$	7	1	YES	YES	YES	NO	3290
$(b; 0, 1, 0; 19)$	6	$(29, 12)$	7	1	YES	YES	YES	NO	3291
$(b; 0, 1, 0; 19)$	6	$(31, 9)$	8	1	YES	YES	YES	NO	3292
$(b; 0, 1, 0; 19)$	6	$(42, 13)$	9	1	YES	YES	YES	NO	3293
$(b; 0, 1, 1; 27)$	7	$(12, 5)$	5	3	YES	YES	YES	NO	3294
$(b; 0, 1, 1; 27)$	7	$(17, 5)$	6	1	YES	YES	YES	NO	3295
$(b; 0, 1, 1; 27)$	7	$(17, 7)$	6	1	YES	YES	YES	NO	3296
$(b; 0, 1, 1; 27)$	7	$(24, 7)$	7	3	YES	YES	YES	NO	3297
$(b; 0, 1, 2; 5)$	8	$(13, 5)$	5	1	YES	YES	YES	NO	3298
$(b; 0, 2, 0; 8)$	7	$(7, 2)$	4	1	YES	YES	YES	NO	3299
$(b; 0, 2, 0; 8)$	7	$(18, 7)$	6	2	YES	YES	YES	NO	3300
$(b; 0, 2, 0; 8)$	7	$(21, 8)$	6	1	YES	YES	YES	NO	3301
$(b; 0, 2, 0; 8)$	7	$(25, 7)$	7	1	YES	YES	YES	NO	3302
$(b; 0, 2, 0; 8)$	7	$(27, 8)$	7	1	YES	YES	YES	NO	3303
$(b; 0, 2, 0; 8)$	7	$(31, 7)$	8	1	YES	YES	YES	NO	3304
$(b; 0, 2, 0; 8)$	7	$(35, 8)$	8	1	YES	YES	YES	NO	3305
$(b; 0, 2, 1; 34)$	8	$(13, 5)$	5	1	YES	YES	YES	NO	3306
$(b; 0, 2, 1; 34)$	8	$(17, 5)$	6	17	YES	YES	YES	NO	3307
$(b; 0, 3, 2; 53)$	10	$(6, 1)$	5	1	YES	YES	YES	NO	3308
$(b; 1, 0, 1; 29)$	7	$(13, 4)$	6	1	YES	YES	YES	NO	3309
$(b; 1, 1, 0; 27)$	7	$(17, 7)$	6	1	YES	YES	YES	NO	3310
$(b; 1, 1, 1; 39)$	8	$(7, 3)$	4	1	YES	YES	YES	NO	3311
$(b; 1, 1, 1; 39)$	8	$(10, 3)$	5	1	YES	YES	YES	NO	3312
$(b; 1, 1, 1; 39)$	8	$(11, 4)$	5	1	YES	YES	YES	NO	3313
$(b; 1, 1, 1; 39)$	8	$(13, 5)$	5	13	YES	YES	YES	NO	3314
$(b; 1, 1, 2; 51)$	9	$(5, 2)$	3	1	YES	YES	YES	NO	3315

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(b; 1, 1, 2; 51)$	9	$(7, 3)$	4	1	YES	YES	YES	NO	3316
$(b; 1, 2, 0; 17)$	8	$(13, 4)$	6	1	YES	YES	YES	NO	3317
$(b; 2, 0, 1; 38)$	8	$(13, 5)$	5	1	YES	YES	YES	NO	3318
$(b; 2, 0, 1; 38)$	8	$(17, 5)$	6	1	YES	YES	YES	NO	3319
$(c; 0, 0, 0; 4)$	4	$(47, 18)$	8	1	YES	YES	YES	NO	3320
$(c; 0, 0, 0; 4)$	4	$(49, 19)$	8	1	YES	YES	YES	NO	3321
$(c; 0, 0, 0; 4)$	4	$(57, 22)$	9	1	YES	YES	YES	NO	3322
$(c; 0, 0, 0; 4)$	4	$(58, 17)$	9	2	YES	YES	YES	NO	3323
$(c; 0, 0, 0; 4)$	4	$(61, 17)$	9	1	YES	YES	YES	NO	3324
$(c; 0, 0, 0; 4)$	4	$(69, 29)$	9	1	YES	YES	YES	NO	3325
$(c; 0, 0, 0; 4)$	4	$(75, 31)$	9	1	YES	YES	YES	NO	3326
$(c; 0, 0, 0; 4)$	4	$(76, 29)$	9	4	YES	YES	YES	NO	3327
$(c; 0, 0, 0; 4)$	4	$(79, 22)$	10	1	YES	YES	YES	NO	3328
$(c; 0, 0, 0; 4)$	4	$(82, 23)$	10	2	YES	YES	YES	NO	3329
$(c; 0, 0, 0; 4)$	4	$(92, 35)$	10	4	YES	YES	YES	NO	3330
$(c; 0, 0, 0; 4)$	4	$(95, 36)$	10	1	YES	YES	YES	NO	3331
$(c; 0, 0, 0; 4)$	4	$(99, 41)$	10	1	YES	YES	YES	NO	3332
$(c; 0, 0, 0; 4)$	4	$(106, 31)$	10	2	YES	YES	YES	NO	3333
$(c; 0, 0, 0; 4)$	4	$(108, 41)$	10	4	YES	YES	YES	NO	3334
$(c; 0, 1, 0; 11)$	5	$(17, 7)$	6	1	YES	YES	NO(2)	NO	3335
$(c; 0, 1, 0; 11)$	5	$(45, 19)$	8	1	YES	YES	YES	NO	3336
$(c; 0, 1, 0; 11)$	5	$(56, 23)$	9	1	YES	YES	YES	NO	3337
$(c; 0, 1, 0; 11)$	5	$(58, 17)$	9	1	YES	YES	YES	NO	3338
$(c; 0, 1, 0; 11)$	5	$(61, 17)$	9	1	YES	YES	YES	NO	3339
$(c; 0, 1, 0; 11)$	5	$(64, 27)$	9	1	YES	YES	YES	NO	3340
$(c; 0, 1, 0; 11)$	5	$(65, 24)$	9	1	YES	YES	YES	NO	3341
$(c; 0, 1, 0; 11)$	5	$(70, 29)$	9	1	YES	YES	YES	NO	3342
$(c; 0, 1, 0; 11)$	5	$(79, 22)$	10	1	YES	YES	YES	NO	3343
$(c; 0, 1, 0; 11)$	5	$(79, 24)$	10	1	YES	YES	YES	NO	3344
$(c; 0, 1, 0; 11)$	5	$(99, 29)$	10	11	YES	YES	YES	NO	3345
$(c; 0, 1, 1; 5)$	6	$(30, 11)$	7	5	YES	YES	YES	NO	3346
$(c; 0, 1, 1; 5)$	6	$(41, 17)$	8	1	YES	YES	YES	NO	3347
$(c; 0, 2, 0; 7)$	6	$(26, 11)$	7	1	YES	YES	YES	NO	3348
$(c; 0, 2, 0; 7)$	6	$(37, 11)$	8	1	YES	YES	YES	NO	3349
$(c; 0, 2, 0; 7)$	6	$(48, 11)$	9	1	YES	YES	YES	NO	3350
$(c; 0, 2, 1; 19)$	7	$(16, 5)$	7	1	YES	YES	YES	NO	3351
$(c; 0, 2, 1; 19)$	7	$(41, 12)$	8	1	YES	YES	YES	NO	3352
$(c; 0, 2, 2; 6)$	8	$(21, 5)$	8	3	YES	YES	YES	NO	3353
$(c; 0, 3, 0; 17)$	7	$(16, 5)$	7	1	YES	YES	YES	NO	3354
$(c; 0, 3, 0; 17)$	7	$(24, 5)$	8	1	YES	YES	YES	NO	3355
$(d; 0, 0, 0; 5)$	5	$(63, 26)$	9	1	YES	YES	YES	NO	3356
$(d; 0, 0, 0; 5)$	5	$(64, 27)$	9	1	YES	YES	YES	NO	3357
$(d; 0, 0, 0; 5)$	5	$(65, 24)$	9	5	YES	YES	YES	NO	3358
$(d; 0, 0, 0; 5)$	5	$(70, 29)$	9	5	YES	YES	YES	NO	3359
$(d; 0, 0, 0; 5)$	5	$(75, 31)$	9	5	YES	YES	YES	NO	3360
$(d; 0, 0, 0; 5)$	5	$(79, 24)$	10	1	YES	YES	YES	NO	3361
$(d; 0, 0, 0; 5)$	5	$(104, 29)$	10	1	YES	YES	YES	NO	3362
$(d; 0, 0, 1; 14)$	6	$(23, 9)$	7	1	YES	YES	YES	NO	3363
$(d; 0, 0, 1; 14)$	6	$(39, 16)$	8	1	YES	YES	YES	NO	3364
$(d; 0, 0, 1; 14)$	6	$(41, 17)$	8	1	YES	YES	YES	NO	3365
$(d; 0, 0, 1; 14)$	6	$(46, 17)$	8	2	YES	YES	YES	NO	3366
$(d; 0, 0, 2; 9)$	7	$(7, 3)$	4	1	YES	YES	NO(2)	NO	3367
$(d; 0, 0, 2; 9)$	7	$(16, 5)$	7	1	YES	YES	YES	NO	3368

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(d; 0, 1, 0; 6)$	6	$(41, 12)$	8	1	YES	YES	YES	NO	3369
$(d; 0, 1, 0; 6)$	6	$(43, 12)$	8	1	YES	YES	YES	NO	3370
$(d; 0, 1, 1; 17)$	7	$(34, 13)$	7	17	YES	YES	YES	NO	3371
$(d; 0, 1, 1; 17)$	7	$(41, 12)$	8	1	YES	YES	YES	NO	3372
$(d; 0, 1, 2; 11)$	8	$(9, 4)$	5	1	YES	YES	YES	NO	3373
$(e; 1, 0, 0; 18)$	6	$(12, 5)$	5	6	YES	YES	YES	NO	3374
$(e; 1, 0, 0; 18)$	6	$(17, 7)$	6	1	YES	YES	YES	NO	3375
$(e; 1, 0, 0; 18)$	6	$(21, 8)$	6	3	YES	YES	YES	NO	3376
$(e; 1, 0, 0; 18)$	6	$(23, 9)$	7	1	YES	YES	YES	NO	3377
$(e; 1, 0, 0; 18)$	6	$(24, 7)$	7	6	YES	YES	YES	NO	3378
$(e; 1, 0, 0; 18)$	6	$(33, 10)$	8	3	YES	YES	YES	NO	3379
$(e; 1, 1, 0; 23)$	7	$(12, 5)$	5	1	YES	YES	YES	NO	3380
$(e; 1, 1, 0; 23)$	7	$(13, 5)$	5	1	YES	YES	YES	NO	3381
$(e; 1, 2, 0; 28)$	8	$(13, 4)$	6	1	YES	YES	YES	NO	3382
$(e; 1, 2, 0; 28)$	8	$(13, 5)$	5	1	YES	YES	YES	NO	3383
$(e; 2, 0, 0; 24)$	7	$(13, 5)$	5	1	YES	YES	YES	NO	3384
$(e; 2, 0, 0; 24)$	7	$(17, 5)$	6	1	YES	YES	YES	NO	3385
$(e; 2, 0, 0; 24)$	7	$(18, 7)$	6	6	YES	YES	YES	NO	3386
$(e; 2, 0, 0; 24)$	7	$(21, 8)$	6	3	YES	YES	YES	NO	3387
$(e; 2, 3, 0; 45)$	10	$(6, 1)$	5	3	YES	YES	YES	NO	3388
$(f; 0, 0, 0; 6)$	4	$(22, 9)$	7	2	YES	YES	NO(2)	NO	3389
$(f; 0, 0, 0; 6)$	4	$(23, 9)$	7	1	YES	YES	NO(2)	NO	3390
$(f; 0, 0, 0; 6)$	4	$(26, 11)$	7	2	YES	YES	NO(2)	NO	3391
$(f; 0, 0, 0; 6)$	4	$(30, 11)$	7	6	YES	YES	NO(2)	NO	3392
$(f; 0, 0, 0; 6)$	4	$(37, 11)$	8	1	YES	YES	YES	NO	3393
$(f; 0, 0, 0; 6)$	4	$(37, 16)$	9	1	YES	YES	YES	NO	3394
$(f; 0, 0, 0; 6)$	4	$(41, 15)$	8	1	YES	YES	YES	NO	3395
$(f; 0, 0, 0; 6)$	4	$(45, 16)$	9	3	YES	YES	YES	NO	3396
$(f; 0, 0, 0; 6)$	4	$(45, 17)$	9	3	YES	YES	YES	NO	3397
$(f; 0, 0, 0; 6)$	4	$(69, 29)$	9	3	YES	YES	YES	NO	3398
$(f; 0, 0, 0; 6)$	4	$(80, 33)$	10	2	YES	YES	YES	NO	3399
$(f; 0, 0, 0; 6)$	4	$(89, 25)$	10	1	YES	YES	YES	NO	3400
$(f; 0, 0, 0; 6)$	4	$(91, 27)$	10	1	YES	YES	YES	NO	3401
$(f; 0, 0, 0; 6)$	4	$(97, 37)$	10	1	YES	YES	YES	NO	3402
$(f; 0, 0, 0; 6)$	4	$(98, 27)$	10	2	YES	YES	YES	NO	3403
$(f; 0, 0, 0; 6)$	4	$(106, 41)$	10	2	YES	YES	YES	NO	3404
$(f; 0, 0, 0; 6)$	4	$(111, 46)$	10	3	YES	YES	YES	NO	3405
$(f; 0, 0, 0; 6)$	4	$(123, 47)$	10	3	YES	YES	YES	NO	3406
$(f; 0, 0, 0; 6)$	4	$(124, 23)$	12	2	YES	YES	YES	NO	3407
$(f; 0, 0, 0; 6)$	4	$(140, 39)$	11	2	YES	YES	YES	NO	3408
$(f; 0, 0, 0; 6)$	4	$(140, 41)$	11	2	YES	YES	YES	NO	3409
$(f; 0, 1, 0; 7)$	5	$(19, 4)$	7	1	YES	YES	YES	NO	3410
$(f; 0, 1, 0; 7)$	5	$(24, 11)$	8	1	YES	YES	YES	NO	3411
$(f; 0, 1, 0; 7)$	5	$(29, 7)$	10	1	YES	YES	YES	NO	3412
$(g; 0, 0, 0; 19)$	6	$(12, 5)$	5	1	YES	YES	YES	NO	3413
$(g; 0, 0, 0; 19)$	6	$(17, 7)$	6	1	YES	YES	YES	NO	3414
$(g; 0, 0, 0; 19)$	6	$(21, 8)$	6	1	YES	YES	YES	NO	3415
$(g; 0, 0, 0; 19)$	6	$(23, 9)$	7	1	YES	YES	YES	NO	3416
$(g; 0, 0, 0; 19)$	6	$(23, 10)$	7	1	YES	YES	YES	NO	3417
$(g; 0, 0, 0; 19)$	6	$(24, 7)$	7	1	YES	YES	YES	NO	3418
$(g; 0, 0, 1; 26)$	7	$(13, 5)$	5	13	YES	YES	YES	NO	3419
$(g; 0, 0, 1; 26)$	7	$(17, 5)$	6	1	YES	YES	YES	NO	3420
$(g; 0, 0, 1; 26)$	7	$(17, 7)$	6	1	YES	YES	YES	NO	3421

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(g; 0, 0, 2; 11)$	8	$(10, 3)$	5	1	YES	YES	YES	NO	3422
$(g; 0, 0, 2; 11)$	8	$(11, 3)$	5	11	YES	YES	YES	NO	3423
$(g; 0, 0, 2; 11)$	8	$(13, 5)$	5	1	YES	YES	YES	NO	3424
$(g; 0, 1, 0; 24)$	7	$(9, 4)$	5	3	YES	YES	NO(2)	NO	3425
$(g; 0, 1, 0; 24)$	7	$(11, 4)$	5	1	YES	YES	YES	NO	3426
$(g; 0, 1, 0; 24)$	7	$(13, 5)$	5	1	YES	YES	YES	NO	3427
$(g; 0, 1, 0; 24)$	7	$(17, 5)$	6	1	YES	YES	YES	NO	3428
$(g; 0, 1, 1; 33)$	8	$(8, 3)$	4	1	YES	YES	YES	NO	3429
$(g; 0, 1, 1; 33)$	8	$(10, 3)$	5	1	YES	YES	YES	NO	3430
$(g; 0, 2, 0; 29)$	8	$(10, 3)$	5	1	YES	YES	YES	NO	3431
$(g; 0, 2, 2; 17)$	10	$(5, 1)$	4	1	YES	YES	YES	NO	3432
$(g; 1, 0, 1; 38)$	8	$(16, 5)$	7	2	YES	YES	YES	NO	3433
$(g; 1, 1, 0; 9)$	8	$(7, 3)$	4	1	YES	YES	YES	NO	3434
$(g; 1, 1, 0; 9)$	8	$(13, 5)$	5	1	YES	YES	YES	NO	3435
$(g; 3, 1, 0; 30)$	10	$(2, 1)$	1	2	YES	YES	YES	NO	3436
$(h; 0, 0, 0; 6)$	5	$(21, 8)$	6	3	YES	YES	YES	NO	3437
$(h; 0, 0, 0; 6)$	5	$(27, 10)$	7	3	YES	YES	YES	NO	3438
$(h; 0, 0, 0; 6)$	5	$(31, 12)$	7	1	YES	YES	YES	NO	3439
$(h; 0, 0, 0; 6)$	5	$(37, 14)$	8	1	YES	YES	YES	NO	3440
$(h; 0, 1, 0; 8)$	6	$(12, 5)$	5	4	YES	YES	YES	NO	3441
$(h; 0, 1, 0; 8)$	6	$(17, 7)$	6	1	YES	YES	YES	NO	3442
$(h; 0, 1, 0; 8)$	6	$(21, 8)$	6	1	YES	YES	YES	NO	3443
$(h; 0, 1, 0; 8)$	6	$(23, 9)$	7	1	YES	YES	YES	NO	3444
$(h; 0, 1, 0; 8)$	6	$(24, 7)$	7	8	YES	YES	YES	NO	3445
$(h; 0, 2, 0; 10)$	7	$(13, 5)$	5	1	YES	YES	YES	NO	3446
$(h; 0, 2, 0; 10)$	7	$(18, 7)$	6	2	YES	YES	YES	NO	3447
$(h; 0, 2, 0; 10)$	7	$(24, 7)$	7	2	YES	YES	YES	NO	3448
$(i; 0, 0, 0; 9)$	5	$(12, 5)$	5	3	YES	YES	NO(2)	NO	3449
$(i; 0, 0, 0; 9)$	5	$(16, 7)$	6	1	YES	YES	YES	NO	3450
$(i; 0, 0, 0; 9)$	5	$(26, 11)$	7	1	YES	YES	YES	NO	3451
$(i; 0, 0, 0; 9)$	5	$(35, 13)$	8	1	YES	YES	YES	NO	3452
$(i; 0, 0, 0; 9)$	5	$(43, 12)$	8	1	YES	YES	YES	NO	3453
$(i; 0, 1, 0; 12)$	6	$(13, 4)$	6	1	YES	YES	YES	NO	3454
$(i; 0, 1, 0; 12)$	6	$(33, 10)$	8	3	YES	YES	YES	NO	3455
$(i; 0, 2, 0; 15)$	7	$(9, 4)$	5	3	YES	YES	YES	NO	3456
$(i; 0, 2, 0; 15)$	7	$(24, 7)$	7	3	YES	YES	YES	NO	3457
$(j; 0, 0, 0; 8)$	5	$(32, 13)$	9	8	YES	YES	YES	NO	3458
$(j; 0, 0, 0; 8)$	5	$(40, 17)$	9	8	YES	YES	YES	NO	3459
$(j; 0, 0, 0; 8)$	5	$(75, 29)$	9	1	YES	YES	YES	NO	3460
$(j; 0, 0, 0; 8)$	5	$(76, 29)$	9	4	YES	YES	YES	NO	3461
$(j; 0, 0, 0; 8)$	5	$(89, 26)$	10	1	YES	YES	YES	NO	3462
$(j; 0, 1, 0; 10)$	6	$(27, 11)$	8	1	YES	YES	YES	NO	3463
$(j; 0, 1, 0; 10)$	6	$(37, 11)$	8	1	YES	YES	YES	NO	3464
$(j; 0, 1, 0; 10)$	6	$(43, 13)$	9	1	YES	YES	YES	NO	3465

4.9 2 chains, $K^2 = 4$

2 chains, $K^2 = 4$									
(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(29, 9)$	8	$(25, 9)$	7	1	YES	YES	YES	NO	3466
$(39, 14)$	8	$(12, 5)$	5	3	YES	YES	YES	NO	3467
$(45, 19)$	8	$(44, 13)$	8	1	YES	YES	NO(2)	NO	3468
$(49, 19)$	8	$(40, 11)$	8	1	YES	YES	NO(2)	NO	3469

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(56, 15)	9	(43, 18)	8	1	YES	YES	NO(2)	NO	3470
(57, 16)	9	(41, 12)	8	1	YES	YES	YES	NO	3471
(58, 17)	9	(50, 19)	8	2	YES	YES	YES	NO	3472
(61, 17)	9	(55, 21)	8	1	YES	YES	YES	NO	3473
(63, 26)	9	(35, 8)	8	7	YES	YES	YES	NO	3474
(64, 27)	9	(40, 11)	8	8	YES	YES	YES	NO	3475
(64, 19)	9	(45, 19)	8	1	YES	YES	YES	NO	3476
(65, 27)	10	(34, 13)	7	1	YES	YES	YES	NO	3477
(65, 18)	9	(46, 17)	8	1	YES	YES	YES	NO	3478
(69, 29)	9	(40, 11)	8	1	YES	YES	YES	NO	3479
(71, 30)	9	(27, 8)	7	1	YES	YES	NO(2)	NO	3480
(71, 21)	9	(44, 17)	8	1	YES	YES	NO(2)	NO	3481
(76, 21)	9	(44, 17)	8	4	YES	YES	YES	NO	3482
(79, 24)	10	(19, 8)	6	1	YES	YES	YES	NO	3483
(79, 30)	9	(23, 9)	7	1	YES	YES	YES	NO	3484
(80, 31)	9	(37, 11)	8	1	YES	YES	YES	NO	3485
(83, 23)	10	(32, 7)	8	1	YES	YES	YES	NO	3486
(89, 25)	10	(19, 8)	6	1	YES	YES	NO(3)	NO	3487
(91, 27)	10	(27, 10)	7	1	YES	YES	NO(2)	NO	3488
(92, 35)	10	(29, 8)	7	1	YES	YES	YES	NO	3489
(95, 36)	10	(24, 7)	7	1	YES	YES	YES	NO	3490
(97, 37)	10	(32, 7)	8	1	YES	YES	YES	NO	3491
(98, 41)	10	(18, 7)	6	2	YES	YES	YES	NO	3492
(98, 27)	10	(22, 9)	7	2	YES	YES	YES	NO	3493
(98, 27)	10	(26, 11)	7	2	YES	YES	YES	NO	3494
(98, 27)	10	(44, 17)	8	2	YES	YES	YES	NO	3495
(98, 27)	10	(61, 18)	9	1	YES	YES	YES	NO	3496
(100, 37)	10	(31, 7)	8	1	YES	YES	NO(2)	NO	3497
(101, 30)	10	(18, 7)	6	1	YES	YES	NO(2)	NO	3498
(101, 39)	10	(18, 7)	6	1	YES	YES	YES	NO	3499
(106, 41)	10	(13, 5)	5	1	YES	YES	YES	NO	3500
(108, 41)	10	(17, 4)	7	1	YES	YES	YES	NO	3501
(109, 45)	10	(25, 7)	7	1	YES	YES	NO(2)	NO	3502
(109, 30)	10	(32, 9)	8	1	YES	YES	YES	NO	3503
(111, 43)	10	(25, 7)	7	1	YES	YES	YES	NO	3504
(112, 31)	10	(21, 8)	6	7	YES	YES	YES	NO	3505
(112, 31)	10	(32, 9)	8	16	YES	YES	YES	NO	3506
(112, 47)	10	(56, 23)	9	56	YES	YES	NO(2)	NO	3507
(113, 49)	11	(13, 4)	6	1	YES	YES	YES	NO	3508
(119, 46)	10	(18, 5)	6	1	YES	YES	YES	NO	3509
(121, 37)	11	(12, 5)	5	1	YES	YES	YES	NO	3510
(121, 37)	11	(29, 8)	7	1	YES	YES	YES	NO	3511
(121, 37)	11	(44, 13)	8	11	YES	YES	YES	NO	3512
(124, 23)	12	(21, 8)	6	1	YES	YES	YES	NO	3513
(127, 29)	11	(37, 11)	8	1	YES	YES	YES	NO	3514
(129, 50)	10	(25, 7)	7	1	YES	YES	YES	NO	3515
(131, 50)	10	(10, 3)	5	1	YES	YES	NO(2)	NO	3516
(131, 55)	10	(63, 26)	9	1	YES	YES	NO(2)	NO	3517
(134, 39)	11	(29, 8)	7	1	YES	YES	YES	NO	3518
(137, 37)	11	(37, 11)	8	1	YES	YES	NO(2)	NO	3519
(149, 41)	11	(10, 3)	5	1	YES	YES	YES	NO	3520
(149, 44)	11	(13, 5)	5	1	YES	YES	YES	NO	3521
(153, 56)	11	(13, 5)	5	1	YES	YES	YES	NO	3522

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(154, 45)	11	(10, 3)	5	2	YES	YES	YES	NO	3523
(157, 46)	11	(17, 7)	6	1	YES	YES	NO(2)	NO	3524
(163, 44)	11	(17, 7)	6	1	YES	YES	YES	NO	3525
(163, 44)	11	(33, 10)	8	1	YES	YES	YES	NO	3526
(166, 61)	11	(18, 7)	6	2	YES	YES	YES	NO	3527
(166, 61)	11	(44, 17)	8	2	YES	YES	YES	NO	3528
(169, 50)	11	(23, 7)	7	1	YES	YES	YES	NO	3529
(170, 47)	11	(44, 13)	8	2	YES	YES	YES	NO	3530
(170, 47)	11	(89, 25)	10	1	YES	YES	YES	NO	3531
(171, 50)	11	(17, 7)	6	1	YES	YES	NO(2)	NO	3532
(189, 55)	12	(64, 19)	9	1	YES	YES	NO(2)	NO	3533
(194, 75)	11	(13, 4)	6	1	YES	YES	NO(2)	NO	3534
(203, 60)	12	(12, 5)	5	1	YES	YES	YES	NO	3535
(214, 79)	12	(10, 3)	5	2	YES	YES	YES	NO	3536
(227, 87)	12	(5, 1)	4	1	YES	YES	YES	NO	3537
(234, 89)	12	(7, 2)	4	1	YES	YES	NO(2)	NO	3538
(235, 97)	12	(10, 3)	5	5	YES	YES	YES	NO	3539
(236, 65)	12	(24, 7)	7	4	YES	YES	YES	NO	3540
(237, 100)	12	(10, 3)	5	1	YES	YES	NO(2)	NO	3541
(242, 65)	12	(13, 4)	6	1	YES	YES	YES	NO	3542
(242, 65)	12	(24, 7)	7	2	YES	YES	YES	NO	3543
(246, 73)	12	(10, 3)	5	2	YES	YES	YES	NO	3544
(253, 106)	12	(7, 3)	4	1	YES	YES	YES	NO	3545
(253, 68)	12	(22, 5)	7	11	YES	YES	YES	NO	3546
(254, 105)	12	(26, 11)	7	2	YES	YES	YES	NO	3547
(257, 108)	12	(11, 3)	5	1	YES	YES	YES	NO	3548
(265, 112)	12	(11, 3)	5	1	YES	YES	NO(2)	NO	3549
(266, 101)	12	(44, 17)	8	2	YES	YES	YES	NO	3550
(274, 115)	12	(22, 9)	7	2	YES	YES	YES	NO	3551
(277, 116)	12	(10, 3)	5	1	YES	YES	YES	NO	3552
(277, 116)	12	(179, 75)	11	1	YES	YES	YES	NO	3553
(292, 85)	13	(8, 3)	4	4	YES	YES	YES	NO	3554
(292, 111)	12	(8, 3)	4	4	YES	YES	YES	NO	3555
(292, 111)	12	(263, 100)	12	1	YES	YES	YES	NO	3556
(295, 112)	12	(11, 3)	5	1	YES	YES	NO(2)	NO	3557
(298, 123)	13	(5, 2)	3	1	YES	YES	YES	NO	3558
(301, 115)	12	(8, 3)	4	1	YES	YES	YES	NO	3559
(303, 116)	12	(10, 3)	5	1	YES	YES	YES	NO	3560
(304, 85)	13	(11, 4)	5	1	YES	YES	YES	NO	3561
(312, 131)	12	(17, 7)	6	1	YES	YES	NO(2)	NO	3562
(313, 121)	12	(5, 2)	3	1	YES	YES	YES	NO	3563
(313, 91)	13	(10, 3)	5	1	YES	YES	YES	NO	3564
(313, 91)	13	(37, 11)	8	1	YES	YES	YES	NO	3565
(313, 91)	13	(44, 13)	8	1	YES	YES	YES	NO	3566
(317, 131)	12	(5, 2)	3	1	YES	YES	NO(2)	NO	3567
(317, 89)	14	(7, 1)	6	1	YES	YES	NO(3)	NO	3568
(317, 131)	12	(9, 2)	5	1	YES	YES	NO(2)	NO	3569
(317, 131)	12	(167, 69)	11	1	YES	YES	NO(2)	NO	3570
(321, 95)	13	(5, 2)	3	1	YES	YES	YES	NO	3571
(323, 134)	13	(7, 2)	4	1	YES	YES	YES	NO	3572
(324, 91)	13	(203, 57)	12	1	YES	YES	YES	3670	3573
(326, 99)	13	(7, 3)	4	1	YES	YES	NO(2)	NO	3574
(326, 99)	13	(25, 7)	7	1	YES	YES	YES	NO	3575

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(332, 97)	13	(3, 1)	2	1	YES	YES	YES	NO	3576
(332, 97)	13	(16, 3)	7	4	YES	YES	NO(2)	NO	3577
(332, 97)	13	(41, 12)	8	1	YES	YES	YES	NO	3578
(333, 101)	13	(201, 61)	12	3	YES	YES	NO(2)	NO	3579
(337, 100)	13	(5, 2)	3	1	YES	YES	NO(2)	NO	3580
(337, 100)	13	(101, 30)	10	1	YES	YES	NO(2)	3669	3581
(338, 129)	12	(7, 3)	4	1	YES	YES	YES	NO	3582
(338, 129)	12	(131, 50)	10	1	YES	YES	NO(2)	NO	3583
(346, 131)	13	(34, 13)	7	2	YES	YES	YES	NO	3584
(347, 134)	13	(7, 2)	4	1	YES	YES	YES	NO	3585
(356, 139)	13	(4, 1)	3	4	YES	YES	YES	NO	3586
(356, 139)	13	(4, 1)	3	4	YES	YES	YES	NO	3587
(356, 139)	13	(8, 3)	4	4	YES	YES	YES	NO	3588
(361, 151)	13	(2, 1)	1	1	YES	YES	NO(3)	NO	3589
(363, 100)	13	(13, 4)	6	1	YES	YES	YES	NO	3590
(365, 108)	13	(2, 1)	1	1	YES	YES	YES	NO	3591
(365, 108)	13	(7, 2)	4	1	YES	YES	YES	NO	3592
(365, 108)	13	(61, 18)	9	1	YES	YES	YES	NO	3593
(383, 112)	13	(2, 1)	1	1	YES	YES	YES	NO	3594
(383, 161)	13	(157, 66)	11	1	YES	YES	YES	NO	3595
(385, 167)	14	(30, 13)	8	5	YES	YES	YES	NO	3596
(391, 108)	13	(13, 4)	6	1	YES	YES	NO(2)	NO	3597
(397, 116)	13	(37, 11)	8	1	YES	YES	YES	NO	3598
(397, 116)	13	(154, 45)	11	1	YES	YES	YES	NO	3599
(398, 111)	13	(40, 11)	8	2	YES	YES	YES	NO	3600
(400, 117)	13	(7, 3)	4	1	YES	YES	YES	NO	3601
(401, 155)	13	(3, 1)	2	1	YES	YES	YES	NO	3602
(401, 155)	13	(5, 2)	3	1	YES	YES	YES	NO	3603
(401, 155)	13	(19, 7)	6	1	YES	YES	YES	NO	3604
(402, 175)	14	(4, 1)	3	2	YES	YES	YES	NO	3605
(402, 175)	14	(7, 3)	4	1	YES	YES	YES	NO	3606
(403, 153)	13	(108, 41)	10	1	YES	YES	YES	NO	3607
(407, 112)	13	(10, 3)	5	1	YES	YES	YES	NO	3608
(407, 171)	13	(19, 8)	6	1	YES	YES	YES	NO	3609
(407, 112)	13	(167, 46)	11	1	YES	YES	YES	NO	3610
(407, 119)	13	(383, 112)	13	1	YES	YES	YES	NO	3611
(409, 121)	13	(365, 108)	13	1	YES	YES	YES	NO	3612
(422, 183)	14	(113, 49)	11	1	YES	YES	YES	NO	3613
(424, 155)	14	(13, 5)	5	1	YES	YES	YES	NO	3614
(431, 128)	13	(394, 117)	13	1	YES	YES	YES	NO	3615
(433, 128)	13	(3, 1)	2	1	YES	YES	YES	NO	3616
(433, 128)	13	(3, 1)	2	1	YES	YES	YES	NO	3617
(433, 131)	14	(4, 1)	3	1	YES	YES	YES	NO	3618
(435, 182)	14	(5, 2)	3	5	YES	YES	YES	NO	3619
(437, 100)	14	(10, 3)	5	1	YES	YES	NO(2)	NO	3620
(437, 183)	13	(26, 11)	7	1	YES	YES	YES	NO	3621
(437, 181)	13	(128, 53)	11	1	YES	YES	YES	NO	3622
(438, 181)	13	(196, 81)	11	2	YES	YES	NO(2)	3658	3623
(438, 181)	13	(317, 131)	12	1	YES	YES	NO(2)	NO	3624
(438, 185)	13	(438, 185)	13	438	YES	YES	NO(2)	NO	3625
(441, 169)	13	(5, 1)	4	1	YES	YES	YES	NO	3626
(448, 173)	14	(347, 134)	13	1	YES	YES	YES	NO	3627
(455, 188)	13	(5, 2)	3	5	YES	YES	YES	NO	3628

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(459, 179)	14	(218, 85)	12	1	YES	YES	YES	NO	3629
(463, 176)	13	(3, 1)	2	1	YES	YES	NO(2)	NO	3630
(463, 171)	13	(4, 1)	3	1	YES	YES	NO(2)	NO	3631
(463, 171)	13	(4, 1)	3	1	YES	YES	NO(2)	NO	3632
(463, 170)	13	(5, 2)	3	1	YES	YES	NO(2)	NO	3633
(467, 181)	13	(5, 2)	3	1	YES	YES	NO(2)	NO	3634
(467, 181)	13	(49, 19)	8	1	YES	YES	NO(2)	NO	3635
(467, 196)	13	(193, 81)	11	1	YES	YES	YES	NO	3636
(467, 193)	13	(271, 112)	12	1	YES	YES	NO(2)	NO	3637
(474, 131)	13	(7, 3)	4	1	YES	YES	YES	NO	3638
(474, 131)	13	(32, 9)	8	2	YES	YES	YES	NO	3639
(477, 131)	14	(5, 2)	3	1	YES	YES	YES	NO	3640
(481, 140)	14	(7, 2)	4	1	YES	YES	NO(2)	NO	3641
(484, 89)	16	(484, 89)	16	484	YES	YES	NO(3)	NO	3642
(485, 188)	13	(4, 1)	3	1	YES	YES	YES	NO	3643
(485, 188)	13	(485, 188)	13	485	YES	YES	NO(2)	NO	3644
(487, 186)	13	(13, 5)	5	1	YES	YES	YES	NO	3645
(487, 136)	14	(29, 8)	7	1	YES	YES	YES	NO	3646
(490, 207)	13	(3, 1)	2	1	YES	YES	NO(2)	NO	3647
(490, 207)	13	(4, 1)	3	2	YES	YES	NO(2)	NO	3648
(493, 207)	13	(5, 2)	3	1	YES	YES	YES	NO	3649
(495, 137)	14	(5, 2)	3	5	YES	YES	YES	NO	3650
(499, 139)	14	(5, 2)	3	1	YES	YES	YES	NO	3651
(505, 212)	13	(26, 11)	7	1	YES	YES	YES	NO	3652
(507, 196)	13	(5, 1)	4	1	YES	YES	YES	NO	3653
(507, 196)	13	(5, 1)	4	1	YES	YES	YES	NO	3654
(513, 215)	14	(4, 1)	3	1	YES	YES	NO(2)	NO	3655
(513, 155)	15	(43, 13)	9	1	YES	YES	YES	NO	3656
(513, 215)	14	(43, 18)	8	1	YES	YES	NO(2)	NO	3657
(513, 212)	13	(121, 50)	10	1	YES	YES	NO(2)	3623	3658
(517, 144)	14	(140, 39)	11	1	YES	YES	YES	NO	3659
(519, 140)	14	(241, 65)	12	1	YES	YES	YES	NO	3660
(522, 119)	14	(5, 2)	3	1	YES	YES	NO(2)	NO	3661
(522, 119)	14	(5, 2)	3	1	YES	YES	NO(2)	NO	3662
(536, 207)	14	(158, 61)	11	2	YES	YES	YES	3795	3663
(548, 225)	14	(4, 1)	3	4	YES	YES	YES	NO	3664
(551, 161)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	3665
(559, 157)	14	(2, 1)	1	1	YES	YES	YES	NO	3666
(559, 165)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	3667
(559, 214)	14	(5, 2)	3	1	YES	YES	NO(2)	NO	3668
(559, 166)	14	(27, 8)	7	1	YES	YES	NO(2)	3581	3669
(559, 157)	14	(57, 16)	9	1	YES	YES	YES	3573	3670
(565, 219)	14	(4, 1)	3	1	YES	YES	YES	NO	3671
(565, 128)	15	(35, 8)	8	5	YES	YES	YES	NO	3672
(577, 239)	14	(2, 1)	1	1	YES	YES	YES	NO	3673
(577, 169)	14	(5, 2)	3	1	YES	YES	YES	NO	3674
(577, 213)	14	(5, 1)	4	1	YES	YES	YES	NO	3675
(577, 239)	14	(12, 5)	5	1	YES	YES	YES	NO	3676
(577, 213)	14	(214, 79)	12	1	YES	YES	YES	NO	3677
(579, 239)	14	(3, 1)	2	3	YES	YES	NO(2)	NO	3678
(579, 221)	14	(186, 71)	11	3	YES	YES	YES	NO	3679
(582, 215)	14	(11, 4)	5	1	YES	YES	YES	NO	3680
(582, 215)	14	(19, 7)	6	1	YES	YES	YES	NO	3681

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(582, 223)	15	(34, 13)	7	2	YES	YES	YES	NO	3682
(583, 246)	14	(2, 1)	1	1	YES	YES	NO(2)	NO	3683
(592, 173)	14	(10, 3)	5	2	YES	YES	YES	NO	3684
(592, 173)	14	(41, 12)	8	1	YES	YES	YES	NO	3685
(592, 175)	14	(433, 128)	13	1	YES	YES	YES	NO	3686
(595, 227)	14	(4, 1)	3	1	YES	YES	YES	NO	3687
(597, 250)	14	(437, 183)	13	1	YES	YES	YES	NO	3688
(599, 165)	14	(18, 5)	6	1	YES	YES	NO(2)	NO	3689
(601, 137)	15	(31, 7)	8	1	YES	YES	YES	NO	3690
(613, 237)	14	(5, 1)	4	1	YES	YES	YES	NO	3691
(613, 234)	14	(131, 50)	10	1	YES	YES	YES	NO	3692
(613, 234)	14	(613, 234)	14	613	YES	YES	YES	NO	3693
(617, 182)	15	(617, 182)	15	617	YES	YES	YES	NO	3694
(625, 258)	14	(2, 1)	1	1	YES	YES	YES	NO	3695
(626, 263)	14	(69, 29)	9	1	YES	YES	YES	NO	3696
(631, 231)	15	(4, 1)	3	1	YES	YES	YES	NO	3697
(631, 234)	14	(89, 33)	10	1	YES	YES	NO(2)	NO	3698
(632, 137)	15	(19, 4)	7	1	YES	YES	YES	NO	3699
(633, 266)	14	(257, 108)	12	1	YES	YES	YES	3733	3700
(633, 266)	14	(445, 187)	13	1	YES	YES	YES	NO	3701
(640, 243)	14	(5, 2)	3	5	YES	YES	YES	NO	3702
(641, 146)	15	(9, 2)	5	1	YES	YES	YES	NO	3703
(642, 265)	14	(4, 1)	3	2	YES	YES	YES	NO	3704
(642, 265)	14	(642, 265)	14	642	YES	YES	YES	NO	3705
(647, 246)	14	(2, 1)	1	1	YES	YES	YES	NO	3706
(647, 271)	14	(2, 1)	1	1	YES	YES	YES	NO	3707
(649, 240)	14	(2, 1)	1	1	YES	YES	YES	NO	3708
(650, 283)	15	(3, 1)	2	1	YES	YES	YES	NO	3709
(653, 253)	14	(3, 1)	2	1	YES	YES	YES	NO	3710
(653, 250)	14	(6, 1)	5	1	YES	YES	NO(2)	NO	3711
(659, 184)	15	(25, 7)	7	1	YES	YES	YES	NO	3712
(663, 196)	14	(389, 115)	13	1	YES	YES	YES	NO	3713
(664, 185)	15	(5, 2)	3	1	YES	YES	YES	NO	3714
(665, 258)	14	(3, 1)	2	1	YES	YES	NO(2)	NO	3715
(665, 258)	14	(67, 26)	9	1	YES	YES	NO(2)	NO	3716
(665, 258)	14	(116, 45)	10	1	YES	YES	NO(2)	NO	3717
(674, 283)	14	(2, 1)	1	2	YES	YES	YES	NO	3718
(674, 283)	14	(131, 55)	10	1	YES	YES	YES	NO	3719
(683, 287)	14	(3, 1)	2	1	YES	YES	YES	NO	3720
(691, 254)	14	(3, 1)	2	1	YES	YES	YES	NO	3721
(691, 264)	14	(301, 115)	12	1	YES	YES	YES	NO	3722
(691, 254)	14	(691, 254)	14	691	YES	YES	YES	NO	3723
(694, 305)	15	(3, 1)	2	1	YES	YES	YES	NO	3724
(697, 266)	14	(34, 13)	7	17	YES	YES	YES	NO	3725
(698, 265)	14	(3, 1)	2	1	YES	YES	YES	NO	3726
(698, 265)	14	(13, 5)	5	1	YES	YES	YES	NO	3727
(698, 295)	14	(265, 112)	12	1	YES	YES	NO(2)	NO	3728
(701, 204)	15	(2, 1)	1	1	YES	YES	YES	NO	3729
(701, 207)	15	(4, 1)	3	1	YES	YES	YES	NO	3730
(701, 207)	15	(403, 119)	13	1	YES	YES	YES	3813	3731
(702, 295)	14	(2, 1)	1	2	YES	YES	YES	NO	3732
(702, 295)	14	(188, 79)	11	2	YES	YES	YES	3700	3733
(702, 295)	14	(702, 295)	14	702	YES	YES	YES	NO	3734

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(703, 267)	14	(13, 5)	5	1	YES	YES	YES	NO	3735
(707, 274)	14	(129, 50)	10	1	YES	YES	YES	NO	3736
(709, 293)	14	(2, 1)	1	1	YES	YES	YES	NO	3737
(714, 299)	14	(3, 1)	2	3	YES	YES	YES	NO	3738
(714, 299)	14	(437, 183)	13	1	YES	YES	YES	NO	3739
(717, 212)	14	(3, 1)	2	3	YES	YES	YES	NO	3740
(717, 212)	14	(3, 1)	2	3	YES	YES	YES	NO	3741
(718, 213)	15	(91, 27)	10	1	YES	YES	NO(2)	NO	3742
(729, 212)	15	(4, 1)	3	1	YES	YES	YES	NO	3743
(729, 212)	15	(533, 155)	14	1	YES	YES	YES	NO	3744
(734, 281)	14	(5, 1)	4	1	YES	YES	YES	NO	3745
(734, 303)	14	(5, 1)	4	1	YES	YES	YES	NO	3746
(741, 283)	14	(4, 1)	3	1	YES	YES	YES	NO	3747
(752, 287)	14	(3, 1)	2	1	YES	YES	YES	NO	3748
(752, 219)	15	(4, 1)	3	4	YES	YES	YES	NO	3749
(752, 287)	14	(131, 50)	10	1	YES	YES	YES	NO	3750
(753, 286)	14	(2, 1)	1	1	YES	YES	YES	NO	3751
(753, 328)	15	(62, 27)	9	1	YES	YES	YES	NO	3752
(753, 220)	15	(332, 97)	13	1	YES	YES	NO(2)	NO	3753
(755, 229)	15	(5, 1)	4	5	YES	YES	NO(2)	NO	3754
(755, 292)	14	(44, 17)	8	1	YES	YES	YES	3782	3755
(755, 229)	15	(755, 229)	15	755	YES	YES	NO(2)	NO	3756
(761, 223)	15	(3, 1)	2	1	YES	YES	YES	NO	3757
(761, 223)	15	(157, 46)	11	1	YES	YES	YES	3815	3758
(761, 226)	15	(431, 128)	13	1	YES	YES	YES	3824	3759
(767, 322)	14	(5, 2)	3	1	YES	YES	YES	NO	3760
(767, 223)	15	(141, 41)	11	1	YES	YES	YES	NO	3761
(775, 143)	16	(2, 1)	1	1	YES	YES	YES	NO	3762
(775, 143)	16	(2, 1)	1	1	YES	YES	YES	NO	3763
(777, 214)	15	(2, 1)	1	1	YES	YES	NO(2)	NO	3764
(777, 295)	14	(4, 1)	3	1	YES	YES	NO(2)	NO	3765
(777, 295)	14	(295, 112)	12	1	YES	YES	NO(2)	NO	3766
(780, 227)	15	(2, 1)	1	2	YES	YES	YES	NO	3767
(781, 215)	15	(29, 8)	7	1	YES	YES	YES	NO	3768
(784, 229)	15	(4, 1)	3	4	YES	YES	YES	NO	3769
(788, 301)	14	(2, 1)	1	2	YES	YES	YES	NO	3770
(788, 291)	15	(5, 2)	3	1	YES	YES	YES	NO	3771
(788, 301)	14	(8, 3)	4	4	YES	YES	YES	NO	3772
(790, 217)	15	(2, 1)	1	2	YES	YES	YES	NO	3773
(790, 217)	15	(3, 1)	2	1	YES	YES	YES	NO	3774
(793, 242)	15	(3, 1)	2	1	YES	YES	YES	NO	3775
(797, 219)	15	(3, 1)	2	1	YES	YES	NO(2)	NO	3776
(797, 219)	15	(131, 36)	11	1	YES	YES	NO(2)	NO	3777
(802, 225)	15	(2, 1)	1	2	YES	YES	YES	NO	3778
(802, 337)	14	(2, 1)	1	2	YES	YES	YES	NO	3779
(803, 305)	14	(5, 1)	4	1	YES	YES	YES	NO	3780
(808, 185)	15	(2, 1)	1	2	YES	YES	NO(2)	NO	3781
(820, 317)	14	(31, 12)	7	1	YES	YES	YES	3755	3782
(820, 317)	14	(44, 17)	8	4	YES	YES	NO(2)	NO	3783
(822, 239)	15	(2, 1)	1	2	YES	YES	YES	NO	3784
(822, 239)	15	(86, 25)	10	2	YES	YES	YES	NO	3785
(830, 253)	16	(10, 3)	5	10	YES	YES	YES	NO	3786
(833, 246)	15	(2, 1)	1	1	YES	YES	YES	NO	3787

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
(833, 253)	15	(56, 17)	9	7	YES	YES	YES	NO	3788
(833, 246)	15	(342, 101)	13	1	YES	YES	YES	NO	3789
(852, 229)	15	(346, 93)	13	2	YES	YES	YES	3812	3790
(860, 263)	15	(3, 1)	2	1	YES	YES	YES	NO	3791
(863, 256)	15	(5, 1)	4	1	YES	YES	YES	NO	3792
(877, 266)	15	(2, 1)	1	1	YES	YES	NO(2)	NO	3793
(878, 339)	15	(5, 2)	3	1	YES	YES	YES	NO	3794
(878, 339)	15	(44, 17)	8	2	YES	YES	YES	3663	3795
(882, 337)	14	(5, 2)	3	1	YES	YES	YES	NO	3796
(889, 246)	15	(2, 1)	1	1	YES	YES	YES	NO	3797
(893, 246)	15	(5, 2)	3	1	YES	YES	YES	NO	3798
(893, 246)	15	(236, 65)	12	1	YES	YES	YES	NO	3799
(903, 274)	15	(56, 17)	9	7	YES	YES	YES	NO	3800
(907, 264)	15	(2, 1)	1	1	YES	YES	YES	NO	3801
(913, 207)	16	(13, 3)	6	1	YES	YES	YES	NO	3802
(915, 338)	15	(3, 1)	2	3	YES	YES	YES	NO	3803
(920, 273)	15	(64, 19)	9	8	YES	YES	NO(2)	NO	3804
(928, 353)	15	(5, 2)	3	1	YES	YES	YES	NO	3805
(932, 283)	16	(79, 24)	10	1	YES	YES	YES	NO	3806
(935, 259)	15	(11, 3)	5	11	YES	YES	YES	NO	3807
(943, 215)	16	(2, 1)	1	1	YES	YES	NO(2)	NO	3808
(943, 215)	16	(943, 215)	16	943	YES	YES	NO(2)	NO	3809
(944, 261)	15	(29, 8)	7	1	YES	YES	YES	NO	3810
(945, 254)	15	(4, 1)	3	1	YES	YES	YES	NO	3811
(945, 254)	15	(253, 68)	12	1	YES	YES	YES	3790	3812
(955, 282)	15	(149, 44)	11	1	YES	YES	YES	3731	3813
(957, 284)	15	(10, 3)	5	1	YES	YES	YES	NO	3814
(959, 281)	15	(58, 17)	9	1	YES	YES	YES	3758	3815
(965, 282)	15	(7, 2)	4	1	YES	YES	YES	NO	3816
(985, 407)	15	(2, 1)	1	1	YES	YES	YES	NO	3817
(987, 292)	15	(17, 5)	6	1	YES	YES	YES	NO	3818
(992, 277)	15	(11, 3)	5	1	YES	YES	YES	NO	3819
(997, 295)	15	(4, 1)	3	1	YES	YES	YES	NO	3820
(997, 295)	15	(365, 108)	13	1	YES	YES	YES	NO	3821
(1024, 283)	15	(7, 2)	4	1	YES	YES	YES	NO	3822
(1025, 303)	15	(2, 1)	1	1	YES	YES	YES	NO	3823
(1027, 305)	15	(165, 49)	11	1	YES	YES	YES	3759	3824
(1042, 403)	15	(5, 2)	3	1	YES	YES	YES	NO	3825
(1055, 242)	16	(4, 1)	3	1	YES	YES	YES	NO	3826
(1055, 242)	16	(22, 5)	7	1	YES	YES	YES	NO	3827
(1096, 303)	15	(7, 2)	4	1	YES	YES	YES	NO	3828
(1117, 432)	15	(287, 111)	12	1	YES	YES	YES	NO	3829
(1149, 206)	17	(3, 1)	2	3	YES	YES	YES	NO	3830
(1149, 206)	17	(4, 1)	3	1	YES	YES	YES	NO	3831
(1420, 393)	16	(271, 75)	12	1	YES	YES	YES	NO	3832
$(a; 0, 0, 0; 3)$	4	(290, 81)	12	1	YES	YES	YES	NO	3833
$(a; 1, 0, 0; 13)$	5	(140, 41)	11	1	YES	YES	NO(2)	NO	3834
$(b; 0, 0, 0; 14)$	5	(112, 47)	10	14	YES	YES	YES	NO	3835
$(b; 0, 0, 0; 14)$	5	(123, 47)	10	1	YES	YES	YES	NO	3836
$(b; 0, 0, 0; 14)$	5	(124, 23)	12	2	YES	YES	YES	NO	3837
$(b; 0, 0, 0; 14)$	5	(145, 56)	11	1	YES	YES	YES	NO	3838
$(b; 0, 0, 1; 4)$	6	(65, 19)	9	1	YES	YES	YES	NO	3839
$(b; 0, 0, 1; 4)$	6	(105, 31)	10	1	YES	YES	YES	NO	3840

(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(b; 0, 0, 1; 4)$	6	$(140, 41)$	11	4	YES	YES	YES	NO	3841
$(b; 0, 0, 2; 26)$	7	$(40, 11)$	8	2	YES	YES	YES	NO	3842
$(b; 0, 0, 2; 26)$	7	$(79, 24)$	10	1	YES	YES	YES	NO	3843
$(b; 0, 1, 0; 19)$	6	$(95, 29)$	10	19	YES	YES	YES	NO	3844
$(b; 0, 1, 0; 19)$	6	$(98, 29)$	10	1	YES	YES	NO(2)	NO	3845
$(b; 0, 1, 1; 27)$	7	$(41, 17)$	8	1	YES	YES	YES	NO	3846
$(b; 0, 1, 1; 27)$	7	$(56, 13)$	10	1	YES	YES	YES	NO	3847
$(b; 0, 1, 1; 27)$	7	$(59, 18)$	9	1	YES	YES	YES	NO	3848
$(b; 1, 0, 1; 29)$	7	$(41, 17)$	8	1	YES	YES	YES	NO	3849
$(b; 1, 1, 0; 27)$	7	$(64, 19)$	9	1	YES	YES	YES	NO	3850
$(b; 2, 0, 1; 38)$	8	$(17, 7)$	6	1	YES	YES	YES	NO	3851
$(c; 0, 0, 0; 4)$	4	$(167, 69)$	11	1	YES	YES	YES	NO	3852
$(c; 0, 0, 0; 4)$	4	$(256, 99)$	12	4	YES	YES	NO(2)	NO	3853
$(c; 0, 1, 0; 11)$	5	$(116, 49)$	10	1	YES	YES	NO(2)	NO	3854
$(c; 0, 1, 0; 11)$	5	$(140, 41)$	11	1	YES	YES	YES	NO	3855
$(c; 0, 1, 0; 11)$	5	$(149, 44)$	11	1	YES	YES	YES	NO	3856
$(c; 0, 1, 0; 11)$	5	$(169, 50)$	11	1	YES	YES	NO(2)	NO	3857
$(c; 0, 1, 0; 11)$	5	$(169, 70)$	11	1	YES	YES	YES	NO	3858
$(c; 0, 1, 0; 11)$	5	$(186, 71)$	11	1	YES	YES	YES	NO	3859
$(c; 0, 2, 0; 7)$	6	$(89, 25)$	10	1	YES	YES	NO(3)	NO	3860
$(c; 0, 2, 0; 7)$	6	$(124, 47)$	11	1	YES	YES	YES	NO	3861
$(c; 0, 2, 0; 7)$	6	$(154, 45)$	11	7	YES	YES	YES	NO	3862
$(c; 0, 2, 1; 19)$	7	$(41, 18)$	8	1	YES	YES	NO(3)	NO	3863
$(d; 0, 0, 0; 5)$	5	$(49, 20)$	9	1	YES	YES	YES	NO	3864
$(e; 0, 0, 0; 4)$	5	$(89, 26)$	10	1	YES	YES	NO(2)	NO	3865
$(e; 0, 0, 0; 4)$	5	$(134, 37)$	11	2	YES	YES	YES	NO	3866
$(e; 0, 1, 0; 5)$	6	$(71, 27)$	9	1	YES	YES	YES	NO	3867
$(e; 1, 0, 0; 18)$	6	$(50, 21)$	8	2	YES	YES	NO(2)	NO	3868
$(e; 1, 0, 0; 18)$	6	$(56, 23)$	9	2	YES	YES	YES	NO	3869
$(e; 1, 1, 0; 23)$	7	$(61, 18)$	9	1	YES	YES	NO(2)	NO	3870
$(e; 2, 1, 0; 31)$	8	$(58, 17)$	9	1	YES	YES	YES	NO	3871
$(f; 0, 0, 0; 6)$	4	$(215, 64)$	12	1	YES	YES	YES	NO	3872
$(f; 0, 0, 0; 6)$	4	$(246, 95)$	12	6	YES	YES	YES	NO	3873
$(g; 0, 0, 0; 19)$	6	$(26, 11)$	7	1	YES	YES	NO(2)	NO	3874
$(g; 0, 0, 1; 26)$	7	$(41, 17)$	8	1	YES	YES	YES	NO	3875
$(g; 0, 0, 2; 11)$	8	$(13, 5)$	5	1	YES	YES	NO(3)	NO	3876
$(g; 0, 0, 2; 11)$	8	$(40, 11)$	8	1	YES	YES	YES	NO	3877
$(h; 0, 0, 0; 6)$	5	$(108, 41)$	10	6	YES	YES	YES	NO	3878
$(h; 0, 0, 0; 6)$	5	$(119, 46)$	10	1	YES	YES	YES	NO	3879
$(h; 0, 1, 0; 8)$	6	$(26, 11)$	7	2	YES	YES	NO(2)	NO	3880
$(h; 0, 1, 0; 8)$	6	$(44, 17)$	8	4	YES	YES	YES	NO	3881
$(h; 0, 1, 0; 8)$	6	$(69, 29)$	9	1	YES	YES	YES	NO	3882
$(h; 0, 1, 0; 8)$	6	$(71, 27)$	9	1	YES	YES	YES	NO	3883
$(i; 0, 0, 0; 9)$	5	$(166, 61)$	11	1	YES	YES	YES	NO	3884
$(j; 0, 0, 0; 8)$	5	$(208, 79)$	11	8	YES	YES	YES	NO	3885

4.10 2 chains, $K^2 = 5$

2 chains, $K^2 = 5$									
(n, a)	Length	(n, a)	Length	GCD	Nef	\mathbb{Q} -ef	Obstruction 0	WH	Index
$(b; 0, 0, 0; 14)$	5	$(167, 69)$	11	1	YES	YES	NO(3)	NO	3886

5 $2I_4 + 2I_2$

Base curves:

- $L_x = x$.
- $L_y = y$.
- $L_z = z$.
- $A = x - z$.
- $B = x + y + z$.
- $C = x - y + z$.
- $Q_1 = (x + z)^2 - y(x - z)$.
- $L_1 = x + y - z$.
- $Q_2 = (x + z)^2 + y(x - z)$.
- $L_2 = x - y - z$.

Fibration given by pencil

$$F_\lambda = ABC + \lambda L_x L_y L_z$$

Nine exceptionals are as follows:

- $E_1 - E_2$ at $L_x \cap L_z \cap A = [0, 1, 0]$.
- $E_3 - E_4$ at $L_y \cap B \cap C = [-1, 0, 1]$.
- E_5 at $L_y \cap A = [1, 0, 1]$.
- E_6 at $L_x \cap C = [0, 1, 1]$.
- E_7 at $L_x \cap B = [0, -1, 1]$.
- E_8 at $L_z \cap C = [1, 1, 0]$.
- E_9 at $L_z \cap B = [-1, 1, 0]$.

Singular fibers are as follows:

- $\lambda = \infty$: I_4 fiber given by L_z, L_x, L_y, E_1 in order.
- $\lambda = 0$: I_4 fiber given by B, A, C, E_3 in order.
- $\lambda = 4$: I_2 fiber given by Q_1, L_1 with nodes at $B_1 = [-i, 1 + i, 1]$ and $T_1 = [i, 1 - i, 1]$.
- $\lambda = -4$: I_2 fiber given by Q_2, L_2 with nodes at $B_2 = [-i, -1 - i, 1]$ and $T_2 = [i, -1 + i, 1]$.

Special curves:

- $H = x + z$, a section through $[0, 1, 0]$ and $[-1, 0, 1]$.
- $N = (2 + i)x + iz + iy$, a double section through $[0, -1, 1]$ and T_1 .
- $BT = x + iy + z$, a double section through B_1, T_2 and $[-1, 0, 1]$.
- $TB = x - iy + z$, a double section through T_1, B_2 and $[-1, 0, 1]$.
- $BB = x + iz$, a double section through B_1, B_2 and $[0, 1, 0]$.
- $BT = x - iz$, a double section through T_1, T_2 and $[0, 1, 0]$.

Input: Result:

6 $4I_3$

Hesse configuration. Let ζ be a primitive third root of unity. Base curves:

- $L_x = x$.
- $L_y = y$.
- $L_z = z$.
- $L_{i,j} = X + \zeta^i Y + \zeta^j z$

Fibration given by pencil

$$F_\lambda = L_x L_y L_z + \lambda L_{0,1} L_{1,0} L_{2,2}$$

Singular fibers are as follows:

- I_3 fiber given by L_x, L_y, L_z .
- I_3 fiber given by $L_{0,1}, L_{1,0}, L_{2,2}$.
- I_3 fiber given by $L_{0,2}, L_{1,1}, L_{2,0}$.
- I_3 fiber given by $L_{0,0}, L_{1,2}, L_{2,1}$.

Special curves:

Input: Result:

7 $II^* + 2I_1$

Base curves:

- $A = z$.
- $F_1 = y^2 z - x^3 - x^2 z$.
- $F_2 = y^2 z - x^3 - x^2 z + \frac{4}{27} z^3$.

Pencil given by

$$F_\lambda = y^2 z - x^3 - x^2 z - \lambda z^3$$

All nine blowups are done at $[0, 1, 0]$.

Singular fibers are as follows:

- $\lambda = \infty$: II^* fiber given by A and $E_1 - E_8$
- $\lambda = 0$: I_1 fiber given by F_1 with node at $[0, 0, 1]$.
- $\lambda = -4/27$: I_1 fiber given by F_2 with node at $[-2, 0, 3]$.

Special curves:

- $R_1 = x$, double section through $[0, 1, 0]$ and $[0, 0, 1]$.
- $R_2 = 3x + 2z$, double section through $[0, 1, 0]$ and $[-2, 0, 3]$.
- $T = y$, triple section through $[0, 0, 1]$ and $[-2, 0, 3]$.

Input: Result:

8 $I_4^* + 2I_1$

Base curves:

- $A = z$.
- $B = y$.

Pencil given by

$$F_\lambda = x^2y + z^3 + y^2z + \lambda yz^2$$

Nine exceptionals are as follows:

- $E_1 - E_5$ at $A \cap B = [1, 0, 0]$.
- $E_6 - E_9$ at $A \cap x = [0, 1, 0]$.

Singular fibers are as follows:

- $\lambda = 0$: I_4^* fiber given by A , B and $E_1 - E_4$, and $E_5 - E_8$.
- $\lambda = 2$: I_1 fiber called F_1 with node at $[0, -1, 1]$.
- $\lambda = -2$: I_1 fiber called F_2 with node at $[0, 1, 1]$.

Special curves:

- $H = x$, double section through $[0, 1, 1]$ and $[0, -1, 1]$ and $[0, 0, 1]$.
- $V = y + z$, double section through $[1, 0, 0]$ and $[0, -1, 1]$.
- $V = y - z$, double section through $[1, 0, 0]$ and $[0, 1, 1]$.

Input: Result:

9 $III^* + I_2 + I_1$

Input: Result:

10 $IV^* + IV$

Input: Result:

11 $IV^* + I_3 + I_1$

Input: Result:

12 $I_2^* + 2I_2$

Input: Result:

13 $I_1^* + I_4 + I_1$

Input: Result:

14 $2I_0^*$

Input: Result:

15 **Extra:** $3IV$

Dual Hesse configuration

R_{16} is a section through S_1 and S_6 . Same for R_{24} and R_{35} . These three sections are concurrent.

Q_1 , Q_2 and Q_3 are conics through 5 special points. Each pair of them share 4 of those points.

Input: Result: