

Table of examples with $p_g = 1$

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1 $2I_8 + I_4 + I_2 + 2I_1$

Input:

```
1 Output: data/K3_2I82I1I2I4
2 Summary_Output: tables/K3_2I82I1I2I4
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 10 11 12 13 14 15 16 17 18 19
11 Search_For: 10 11 12 13 14 15 16 17 18 19
12
13 Nef_Check: print
14 Effective_Check: N
15 Obstruction_Check: N
16
17 Summary_Include_GCD: Y
18 LaTeX_Include_Subsection: Y
19
20
21
22 Fibers:
23   I8 Fix
24     L_2 E_7 E_8 L_3 E_4 L_1 E_2 E_1
25   I8
26     LL_2 EE_7 EE_8 LL_3 EE_4 LL_1 EE_2 EE_1
27   I1
28     F_1
29   I1
30     F_2
31   I2
32     B1 B2
33   I4
34     L P1 C P2
35
36
37 Merge:
38   G_1
39     F_1 F_1
40   G_2
```

```

41      F_2 F_2
42
43 Sections(-2):
44   E_3 Fix
45      E_2 EE_2 F_1 F_2 B1 C
46   E_5
47      E_4 EE_4 F_1 F_2 B1 L
48   E_6
49      L_2 LL_2 F_1 F_2 B1 L
50   E_9
51      E_8 EE_8 F_1 F_2 B1 C
52
53   M
54      E_4 L_2 EE_4 LL_2 G_1 G_2 B2 B2 C C
55   N
56      E_2 E_8 EE_2 EE_8 G_1 G_2 B2 B2 L L
57
58   MR2
59      E_1 L_3 EE_1 LL_3 G_1 G_2 B1 B1 P2 P2
60   ML1
61      E_7 L_1 EE_7 LL_1 G_1 G_2 B1 B1 P1 P1
62
63   MR1
64      E_1 LL_3 F_1 F_2 B2 P1
65   MMR1
66      EE_1 L_3 F_1 F_2 B2 P1
67
68   ML2
69      E_7 LL_1 F_1 F_2 B2 P2
70   MML2
71      EE_7 L_1 F_1 F_2 B2 P2

```

Result:

1.1 2 chains, $K^2 = 10$

2 chains, $K^2 = 10$							
(n, a)	Length	(n, a)	Length	GCD	Nef	WH	Index
(513, 212)	13	(121, 50)	10	1	YES	–	1
(19309, 5695)	22	(139, 41)	11	1	YES	NO	2
(19843, 5873)	22	(571, 169)	14	1	YES	NO	3

1.2 2 chains, $K^2 = 11$

2 chains, $K^2 = 11$							
(n, a)	Length	(n, a)	Length	GCD	Nef	WH	Index
(58441, 21457)	24	(42249, 15512)	23	1	YES	NO	4
(88889, 33952)	24	(51584, 19703)	23	1	YES	NO	5

1.3 2 chains, $K^2 = 12$

2 chains, $K^2 = 12$							
(n, a)	Length	(n, a)	Length	GCD	Nef	WH	Index
(2687, 795)	17	(436, 129)	13	1	YES	–	6
(86547, 25607)	24	(12, 5)	5	3	YES	–	7
(86682, 25631)	24	(18, 5)	6	6	YES	–	8
(263303, 77905)	27	(436, 129)	13	1	YES	NO	9

(n, a)	Length	(n, a)	Length	GCD	Nef	WH	Index
(266348, 78757)	27	(487, 144)	13	1	YES	NO	10
(267721, 78962)	27	(4, 1)	3	1	YES	–	11
(326316, 96487)	27	(3, 1)	2	3	YES	NO	12
$(g; 0, 0, 0; 19)$	6	(28577, 6522)	23	1	YES	–	13
$(h; 0, 1, 0; 8)$	6	(24587, 7302)	22	1	YES	–	14