Table 1: Weighted K3 surfaces in codimension 4

Nb.	Weighted K3 surface	Resolution Data
1	$X \subset \mathbb{P}(1,1,1,1,1,1,2)$	$8 + \frac{1}{2}$
2	$X \subset \mathbb{P}(1,1,1,1,1,2,2)$	$6 + 2 \times \frac{1}{2}$
3	$X \subset \mathbb{P}(1,1,1,1,2,2,2)$	$4 + 3 \times \frac{1}{2}$
4	$X \subset \mathbb{P}(1,1,1,1,2,3,4)$	$4 + \frac{3}{4}$
5	$X \subset \mathbb{P}(1,1,1,1,2,2,3)$	$4 + \frac{1}{2} + \frac{2}{3}$
6	$X \subset \mathbb{P}(1,1,1,2,2,2,2)$	$2 + 4 \times \frac{1}{2}$
7	$X \subset \mathbb{P}(1,1,1,2,2,3,3)$	$2 + 2 \times \frac{2}{3}$
8	$X \subset \mathbb{P}(1,1,1,2,3,4,5)$	$2 + \frac{4}{5}$
9	$X \subset \mathbb{P}(1,1,1,2,2,2,3)$	$2 + 2 \times \frac{1}{2} + \frac{2}{3}$
10	$X \subset \mathbb{P}(1,1,1,2,2,3,4)$	$2 + \frac{1}{2} + \frac{3}{4}$
11	$X \subset \mathbb{P}(1,1,2,2,2,2,2)$	$0 + 6 \times \frac{1}{2}$
12	$X \subset \mathbb{P}(1,1,2,3,3,4,4)$	$0 + 2 \times \frac{3}{4}$
13	$X \subset \mathbb{P}(1,1,3,4,5,6,7)$	$0 + \frac{6}{7}$
14	$X \subset \mathbb{P}(1,1,2,2,3,3,3)$	$0 + 3 \times \frac{2}{3}$
15	$X \subset \mathbb{P}(1,1,2,2,3,5,7)$	$0 + \frac{3 \cdot 4}{7}$
16	$X \subset \mathbb{P}(1,1,2,3,3,4,7)$	$0 + \frac{2 \cdot 5}{7}$
17	$X \subset \mathbb{P}(1,1,2,2,2,3,4)$	$0 + 3 \times \frac{1}{2} + \frac{3}{4}$
18	$X \subset \mathbb{P}(1,1,2,2,3,4,5)$	$0 + 2 \times \frac{1}{2} + \frac{4}{5}$
19	$X \subset \mathbb{P}(1,1,2,2,3,3,5)$	$0 + \frac{2}{3} + \frac{2 \cdot 3}{5}$
20	$X \subset \mathbb{P}(1,1,2,2,2,3,5)$	$0 + 2 \times \frac{1}{2} + \frac{2 \cdot 3}{5}$
21	$X \subset \mathbb{P}(1,1,2,2,2,2,3)$	$0 + 4 \times \frac{1}{2} + \frac{2}{3}$
22	$X \subset \mathbb{P}(1,1,2,3,4,5,6)$	$0 + \frac{1}{2} + \frac{5}{6}$
23	$X \subset \mathbb{P}(1,1,2,3,3,4,5)$	$0 + \frac{2}{3} + \frac{4}{5}$
24	$X \subset \mathbb{P}(1,1,2,2,3,3,4)$	$0 + \frac{1}{2} + \frac{2}{3} + \frac{3}{4}$
25	$X \subset \mathbb{P}(1,2,2,2,2,3,3)$	$-2 + 7 \times \frac{1}{2}$
26	$X \subset \mathbb{P}(1,2,3,3,5,8,11)$	$-2 + \frac{4 \cdot 7}{11}$
27	$X \subset \mathbb{P}(1,3,4,4,5,5,5)$	$-2 + 3 \times \frac{4}{5}$
28	$X \subset \mathbb{P}(1,3,4,4,5,9,13)$	$-2 + \frac{3 \cdot 10}{13}$
29	$X \subset \mathbb{P}(1,2,2,2,3,3,3)$	$-2 + 4 \times \frac{1}{2} + 2 \times \frac{2}{3}$
30	$X \subset \mathbb{P}(1,2,2,2,3,3,4)$	$-2 + 5 \times \frac{1}{2} + \frac{3}{4}$
31	$X \subset \mathbb{P}(1,2,2,2,3,3,5)$	$-2 + 4 \times \frac{1}{2} + \frac{2 \cdot 3}{5}$
32	$X \subset \mathbb{P}(1,2,2,3,4,5,6)$	$-2 + 4 \times \frac{1}{2} + \frac{5}{6}$
33	$X \subset \mathbb{P}(1,2,2,3,3,4,4)$	$-2 + 3 \times \frac{1}{2} + 2 \times \frac{3}{4}$
34	$X \subset \mathbb{P}(1,2,2,3,3,3,3)$	$-2 + \frac{1}{2} + 4 \times \frac{2}{3}$
35	$X \subset \mathbb{P}(1,2,2,3,3,4,7)$	$-2 + 3 \times \frac{1}{2} + \frac{2 \cdot 5}{7}$

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Table 1: Weighted K3 surfaces in codimension 4

Nb.	Weighted K3 surface	Resolution Data
36	$X \subset \mathbb{P}(1,2,2,3,3,5,8)$	$-2 + 2\times\frac{1}{2}+\frac{3\cdot5}{8}$
37	$X \subset \mathbb{P}(1,2,2,3,5,7,9)$	$-2 + \frac{1}{2}+\frac{4\cdot5}{9}$
38	$X \subset \mathbb{P}(1,2,4,5,6,7,8)$	$-2 + 3\times\frac{1}{2}+\frac{7}{8}$
39	$X \subset \mathbb{P}(1,2,3,3,3,4,5)$	$-2 + 3\times\frac{2}{3}+\frac{4}{5}$
40	$X \subset \mathbb{P}(1,2,3,4,4,5,5)$	$-2 + 2\times\frac{1}{2}+2\times\frac{4}{5}$
41	$X \subset \mathbb{P}(1,2,3,3,3,4,4)$	$-2 + 2\times\frac{2}{3}+2\times\frac{3}{4}$
42	$X \subset \mathbb{P}(1,2,3,3,4,4,4)$	$-2 + \frac{1}{2}+3\times\frac{3}{4}$
43	$X \subset \mathbb{P}(1,2,3,3,4,5,7)$	$-2 + \frac{2\cdot3}{5}+\frac{2\cdot5}{7}$
44	$X \subset \mathbb{P}(1,2,3,4,4,5,9)$	$-2 + 2\times\frac{1}{2}+\frac{2\cdot7}{9}$
45	$X \subset \mathbb{P}(1,2,3,3,4,4,5)$	$-2 + 2\times\frac{3}{4}+\frac{2\cdot3}{5}$
46	$X \subset \mathbb{P}(1,2,3,3,3,4,7)$	$-2 + 2\times\frac{2}{3}+\frac{2\cdot5}{7}$
47	$X \subset \mathbb{P}(1,2,3,4,5,5,7)$	$-2 + \frac{4}{5}+\frac{3\cdot4}{7}$
48	$X \subset \mathbb{P}(1,2,3,3,4,5,8)$	$-2 + \frac{3}{4}+\frac{3\cdot5}{8}$
49	$X \subset \mathbb{P}(1,3,5,6,7,8,9)$	$-2 + 2\times\frac{2}{3}+\frac{8}{9}$
50	$X \subset \mathbb{P}(1,3,4,4,5,6,7)$	$-2 + 2\times\frac{3}{4}+\frac{6}{7}$
51	$X \subset \mathbb{P}(1,4,5,6,6,7,7)$	$-2 + \frac{1}{2}+2\times\frac{6}{7}$
52	$X \subset \mathbb{P}(1,3,4,5,5,6,6)$	$-2 + \frac{2}{3}+2\times\frac{5}{6}$
53	$X \subset \mathbb{P}(1,5,7,8,9,10,11)$	$-2 + \frac{2\cdot3}{5}+\frac{10}{11}$
54	$X \subset \mathbb{P}(1,4,5,6,6,7,13)$	$-2 + \frac{1}{2}+\frac{2\cdot11}{13}$
55	$X \subset \mathbb{P}(1,3,4,5,5,6,11)$	$-2 + \frac{2}{3}+\frac{2\cdot9}{11}$
56	$X \subset \mathbb{P}(1,3,4,4,5,5,9)$	$-2 + \frac{4}{5}+\frac{2\cdot7}{9}$
57	$X \subset \mathbb{P}(1,3,4,5,6,7,7)$	$-2 + \frac{6}{7}+\frac{2\cdot5}{7}$
58	$X \subset \mathbb{P}(1,2,2,3,3,5,5)$	$-2 + \frac{1}{2}+2\times\frac{2\cdot3}{5}$
59	$X \subset \mathbb{P}(1,2,3,3,4,7,10)$	$-2 + \frac{1}{2}+\frac{3\cdot7}{10}$
60	$X \subset \mathbb{P}(1,2,2,3,3,5,7)$	$-2 + \frac{1}{2}+\frac{2}{3}+\frac{3\cdot4}{7}$
61	$X \subset \mathbb{P}(1,6,8,9,10,11,12)$	$-2 + \frac{1}{2}+\frac{2}{3}+\frac{11}{12}$
62	$X \subset \mathbb{P}(1,4,6,7,8,9,10)$	$-2 + \frac{1}{2}+\frac{3}{4}+\frac{9}{10}$
63	$X \subset \mathbb{P}(1,4,5,6,6,7,8)$	$-2 + \frac{1}{2}+\frac{5}{6}+\frac{7}{8}$
64	$X \subset \mathbb{P}(1,4,5,6,7,8,9)$	$-2 + \frac{1}{2}+\frac{4}{5}+\frac{8}{9}$
65	$X \subset \mathbb{P}(1,3,4,5,6,7,8)$	$-2 + \frac{2}{3}+\frac{3}{4}+\frac{7}{8}$
66	$X \subset \mathbb{P}(1,3,4,5,5,6,7)$	$-2 + \frac{2}{3}+\frac{4}{5}+\frac{6}{7}$
67	$X \subset \mathbb{P}(1,2,3,3,4,5,6)$	$-2 + \frac{1}{2}+2\times\frac{2}{3}+\frac{5}{6}$
68	$X \subset \mathbb{P}(1,2,3,4,5,6,7)$	$-2 + 2\times\frac{1}{2}+\frac{2}{3}+\frac{6}{7}$
69	$X \subset \mathbb{P}(1,2,3,4,4,5,6)$	$-2 + 2\times\frac{1}{2}+\frac{3}{4}+\frac{5}{6}$
70	$X \subset \mathbb{P}(1,2,3,4,5,5,6)$	$-2 + \frac{1}{2}+\frac{2\cdot3}{5}+\frac{5}{6}$

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Table 1: Weighted K3 surfaces in codimension 4

Nb.	Weighted K3 surface	Resolution Data
71	$X \subset \mathbb{P}(1,2,3,3,4,5,5)$	$-2 + \frac{2}{3} + \frac{4}{5} + \frac{2\cdot 3}{5}$
72	$X \subset \mathbb{P}(1,2,3,3,4,4,7)$	$-2 + \frac{1}{2} + \frac{3}{4} + \frac{2\cdot 5}{7}$
73	$X \subset \mathbb{P}(1,2,2,3,3,3,4)$	$-2 + 2\times\frac{1}{2} + 2\times\frac{2}{3} + \frac{3}{4}$
74	$X \subset \mathbb{P}(1,2,2,3,3,4,5)$	$-2 + 3\times\frac{1}{2} + \frac{2}{3} + \frac{4}{5}$
75	$X \subset \mathbb{P}(1,2,2,3,3,4,5)$	$-2 + 2\times\frac{1}{2} + \frac{3}{4} + \frac{2\cdot 3}{5}$
76	$X \subset \mathbb{P}(1,2,2,3,3,5,7)$	$-2 + \frac{1}{2} + \frac{2}{3} + \frac{3\cdot 4}{7}$
77	$X \subset \mathbb{P}(1,2,2,3,3,3,5)$	$-2 + \frac{1}{2} + 2\times\frac{2}{3} + \frac{2\cdot 3}{5}$
78	$X \subset \mathbb{P}(1,2,3,3,4,4,5)$	$-2 + \frac{1}{2} + \frac{2}{3} + \frac{3}{4} + \frac{4}{5}$
79	$X \subset \mathbb{P}(2,3,5,5,7,12,17)$	$-4 + \frac{7\cdot 10}{17}$
80	$X \subset \mathbb{P}(2,2,3,5,7,9,11)$	$-4 + 3\times\frac{1}{2} + \frac{5\cdot 6}{11}$
81	$X \subset \mathbb{P}(2,3,4,5,7,7,11)$	$-4 + \frac{2\cdot 5}{7} + \frac{5\cdot 6}{11}$
82	$X \subset \mathbb{P}(3,3,4,5,7,10,13)$	$-4 + 2\times\frac{2}{3} + \frac{4\cdot 9}{13}$
83	$X \subset \mathbb{P}(3,5,6,7,8,11,14)$	$-4 + \frac{5}{6} + \frac{5\cdot 9}{14}$
84	$X \subset \mathbb{P}(5,5,6,7,8,9,11)$	$-4 + 2\times\frac{2\cdot 3}{5} + \frac{2\cdot 9}{11}$
85	$X \subset \mathbb{P}(2,3,4,4,5,7,11)$	$-4 + 4\times\frac{1}{2} + \frac{3\cdot 8}{11}$
86	$X \subset \mathbb{P}(2,3,3,4,5,7,9)$	$-4 + 3\times\frac{2}{3} + \frac{4\cdot 5}{9}$
87	$X \subset \mathbb{P}(2,3,3,4,5,5,5)$	$-4 + \frac{2}{3} + 3\times\frac{2\cdot 3}{5}$
88	$X \subset \mathbb{P}(2,3,4,5,5,7,7)$	$-4 + \frac{3}{4} + 2\times\frac{3\cdot 4}{7}$
89	$X \subset \mathbb{P}(2,5,6,7,9,11,13)$	$-4 + \frac{5}{6} + \frac{6\cdot 7}{13}$
90	$X \subset \mathbb{P}(2,2,3,3,4,5,5)$	$-4 + 4\times\frac{1}{2} + 2\times\frac{2\cdot 3}{5}$
91	$X \subset \mathbb{P}(2,2,3,3,4,5,7)$	$-4 + 4\times\frac{1}{2} + \frac{2}{3} + \frac{3\cdot 4}{7}$
92	$X \subset \mathbb{P}(2,3,3,4,4,5,7)$	$-4 + 3\times\frac{1}{2} + 2\times\frac{2}{3} + \frac{2\cdot 5}{7}$
93	$X \subset \mathbb{P}(2,3,3,4,5,8,11)$	$-4 + 2\times\frac{1}{2} + \frac{2}{3} + \frac{4\cdot 7}{11}$
94	$X \subset \mathbb{P}(2,3,4,5,5,7,12)$	$-4 + \frac{1}{2} + \frac{3}{4} + \frac{5\cdot 7}{12}$
95	$X \subset \mathbb{P}(2,3,4,5,5,5,6)$	$-4 + 2\times\frac{1}{2} + \frac{4}{5} + 2\times\frac{2\cdot 3}{5}$
96	$X \subset \mathbb{P}(2,3,4,5,5,6,8)$	$-4 + 3\times\frac{1}{2} + \frac{4}{5} + \frac{3\cdot 5}{8}$
97	$X \subset \mathbb{P}(2,3,4,5,5,7,9)$	$-4 + \frac{3}{4} + \frac{2\cdot 3}{5} + \frac{4\cdot 5}{9}$
98	$X \subset \mathbb{P}(3,4,4,5,6,7,10)$	$-4 + \frac{1}{2} + 2\times\frac{3}{4} + \frac{3\cdot 7}{10}$
99	$X \subset \mathbb{P}(2,3,4,4,5,5,7)$	$-4 + 2\times\frac{1}{2} + 2\times\frac{3}{4} + \frac{3\cdot 4}{7}$
100	$X \subset \mathbb{P}(2,5,6,7,7,8,9)$	$-4 + 2\times\frac{1}{2} + \frac{6}{7} + \frac{4\cdot 5}{9}$
101	$X \subset \mathbb{P}(2,3,4,5,7,7,9)$	$-4 + \frac{1}{2} + \frac{2\cdot 5}{7} + \frac{4\cdot 5}{9}$
102	$X \subset \mathbb{P}(2,3,4,5,7,9,11)$	$-4 + \frac{2}{3} + \frac{3}{4} + \frac{5\cdot 6}{11}$
103	$X \subset \mathbb{P}(2,3,3,4,5,5,7)$	$-4 + 2\times\frac{2}{3} + \frac{2\cdot 3}{5} + \frac{3\cdot 4}{7}$
104	$X \subset \mathbb{P}(3,4,5,6,7,10,13)$	$-4 + \frac{1}{2} + \frac{4}{5} + \frac{4\cdot 9}{13}$
105	$X \subset \mathbb{P}(3,4,5,5,6,7,9)$	$-4 + 2\times\frac{2}{3} + \frac{2\cdot 3}{5} + \frac{2\cdot 7}{9}$

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Table 1: Weighted K3 surfaces in codimension 4

Nb.	**Weighted K3 surface**	**Resolution Data**
106	$X \subset \mathbb{P}(4,4,5,6,7,9,13)$	$-4 + 2\times\frac{1}{2}+\frac{3}{4}+\frac{3\cdot 10}{13}$
107	$X \subset \mathbb{P}(3,4,5,5,6,7,9)$	$-4 + 2\times\frac{2}{3}+\frac{2\cdot 3}{5}+\frac{2\cdot 7}{9}$
108	$X \subset \mathbb{P}(3,4,4,5,6,7,7)$	$-4 + \frac{1}{2}+\frac{3}{4}+2\times\frac{2\cdot 5}{7}$
109	$X \subset \mathbb{P}(3,4,4,5,6,7,11)$	$-4 + \frac{1}{2}+\frac{2}{3}+\frac{3}{4}+\frac{3\cdot 8}{11}$
110	$X \subset \mathbb{P}(3,4,5,5,6,7,8)$	$-4 + \frac{2}{3}+\frac{3}{4}+\frac{4}{5}+\frac{3\cdot 5}{8}$
111	$X \subset \mathbb{P}(4,5,5,6,7,8,9)$	$-4 + \frac{1}{2}+\frac{4}{5}+\frac{2\cdot 3}{5}+\frac{2\cdot 7}{9}$
112	$X \subset \mathbb{P}(3,4,5,5,6,7,7)$	$-4 + \frac{2}{3}+\frac{4}{5}+\frac{2\cdot 3}{5}+\frac{2\cdot 5}{7}$
113	$X \subset \mathbb{P}(2,3,3,4,5,5,8)$	$-4 + \frac{1}{2}+\frac{2}{3}+\frac{2\cdot 3}{5}+\frac{3\cdot 5}{8}$
114	$X \subset \mathbb{P}(2,3,4,5,5,6,7)$	$-4 + 2\times\frac{1}{2}+\frac{2}{3}+\frac{4}{5}+\frac{3\cdot 4}{7}$
115	$X \subset \mathbb{P}(2,3,3,4,4,5,5)$	$-4 + 2\times\frac{1}{2}+2\times\frac{2}{3}+\frac{3}{4}+\frac{2\cdot 3}{5}$