

Nice pseudo-Riemannian nilsolitons - ancillary file

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A Tables

A.1 Nice nilpotent Lie algebras of dimension 8 with $\dim \text{coker } M_\Delta \leq 1$

Table A.1: Irreducible nice nilpotent Lie algebras of dimension 8 with $\dim \text{coker } M_\Delta \leq 1$ that admit a diagonal nilsoliton metric of type Nil4

Name	\mathfrak{g}	N	Signatures \mathbf{S}
8654321:1	$0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{17}$	$1/29(1, 26, 27, 28, 29, 30, 31, 32)$	$\{\emptyset, 12468, 1357, 2345678\}$
8654321:2	$0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{17} + e^{23}$	$19/159(1, 5, 6, 7, 8, 9, 10, 11)$	$\{\emptyset, 12468\}$
8654321:3	$0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{23}, e^{24} + e^{17}$	$25/186(1, 4, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 1357\}$
8654321:4	$0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{25} + e^{34} + e^{17}$	$43/281(1, 3, 4, 5, 6, 7, 8, 9)$	$\{13578, 234567\}$
865431:1	$0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{34}, e^{16}$	$1/19(2, 11, 13, 15, 17, 19, 28, 21)$	$\{\emptyset, 12467, 13578, 234568\}$
865431:2	$0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{34}, e^{16} + e^{23}$	$17/131(1, 4, 5, 6, 7, 8, 11, 9)$	$\{\emptyset, 13578\}$
865321:1	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{16}, e^{17}$	$1/281(34, 167, 201, 235, 368, 269, 303, 337)$	$\{\emptyset, 12457, 13568, 234678\}$
86532:1	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{16}, e^{26} + e^{34}$	$3/19(1, 3, 4, 5, 7, 6, 7, 9)$	$\{\emptyset, 124578, 13568, 23467\}$
86532:2	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{34}, e^{25} + e^{16}$	$57/497(2, 3, 5, 7, 8, 9, 12, 11)$	$\{\emptyset, 23468\}$
86531:1	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{16}$	$1/123(28, 45, 73, 101, 118, 129, 163, 157)$	$\{\emptyset, 12458, 13567, 234678\}$
86531:2	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{16}$	$1/106(19, 50, 69, 88, 119, 107, 138, 126)$	$\{\emptyset, 12458, 1356, 23468\}$
86531:3	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{26} + e^{34}$	$1/257(65, 82, 147, 212, 229, 277, 311, 359)$	$\{\emptyset, 12458, 135678, 23467\}$
86531:4	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{25} + e^{16}$	$55/453(2, 3, 5, 7, 8, 9, 10, 11)$	$\{\emptyset, 23468\}$
86531:11	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{27} + e^{16}$	$23/81(1, 1, 2, 3, 3, 4, 4, 5)$	$\{12367, 345678\}$
854321:2	$0, 0, 0, e^{12}, e^{14}, e^{15}, e^{16}, e^{17} + e^{23}$	$1/29(4, 19, 20, 23, 27, 31, 35, 39)$	$\{\emptyset, 12357, 13468, 245678\}$
854321:4	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{16} + e^{23}, e^{34} + e^{17}$	$2/69(5, 22, 20, 27, 32, 37, 42, 47)$	$\{\emptyset, 1257, 1468, 245678\}$
85432:2	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{16}, e^{45} + e^{13} + e^{26}$	$1/43(7, 19, 52, 26, 33, 40, 47, 59)$	$\{123578, 13468, 234567, 3\}$
85432:3	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{16} + e^{23}, e^{26} + e^{45}$	$1/124(25, 52, 100, 77, 102, 127, 152, 179)$	$\{\emptyset, 12578, 1468, 24567\}$
85432:7	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{24} + e^{16}, e^{45} + e^{13} + e^{26}$	$43/281(1, 3, 8, 4, 5, 6, 7, 9)$	$\{13468, 234567\}$
85421:2	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15}, e^{17}$	$3/17(1, 3, 6, 4, 5, 7, 6, 7)$	$\{123568, 13467, 234578, 3\}$
85421:3	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{17} + e^{23}$	$1/24(5, 12, 20, 17, 22, 29, 27, 32)$	$\{\emptyset, 12568, 1467, 24578\}$
85421:7	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{34} + e^{17}$	$1/225(51, 107, 153, 158, 209, 265, 260, 311)$	$\{\emptyset, 123568, 13467, 24578\}$
85421:8	$0, 0, 0, -e^{12}, e^{14}, e^{24} + e^{13}, e^{15}, e^{45} + e^{27}$	$1/17(3, 8, 16, 11, 14, 19, 17, 25)$	$\{\emptyset, 12568, 14678, 2457\}$
85421:9	$0, 0, 0, -e^{12}, e^{14}, e^{24} + e^{13}, e^{15} + e^{23}, e^{34} + e^{17}$	$51/389(2, 3, 6, 5, 7, 8, 9, 11)$	$\{123568, 13467\}$
85421:10	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{45} + e^{27}$	$1/53(14, 19, 42, 33, 47, 52, 61, 80)$	$\{12358, 13478, 24567, 6\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
85421:12	$0, 0, 0, -e^{12}, e^{14}, e^{24} + e^{13}, e^{15} + e^{23}, e^{45} + e^{27}$	13/103(2, 3, 6, 5, 7, 8, 9, 12)	{12358, 13478}
85421:13	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15} + e^{23}, e^{26} + e^{17}$	51/389(2, 3, 6, 5, 7, 8, 9, 11)	{ \emptyset , 24578}
85421:14	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{45} + e^{13} + e^{27}$	3/17(2, 1, 6, 3, 5, 4, 7, 8)	{12358, 13478}
85421:15	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15}, e^{26} + e^{34} + e^{17}$	51/389(2, 3, 6, 5, 7, 8, 9, 11)	{ \emptyset , 24578}
85421:16	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{26} + e^{34} + e^{17}$	51/389(2, 3, 6, 5, 7, 8, 9, 11)	{ \emptyset , 24578}
85421:28a	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{26} + e^{15}, e^{13} + e^{27} + e^{45}$	23/81(1, 1, 4, 2, 3, 3, 4, 5)	{123568, 134678, 23457, 3}
85421:28b	$0, 0, 0, -e^{12}, -e^{14}, e^{24}, e^{26} + e^{15}, e^{45} + e^{13} + e^{27}$	23/81(1, 1, 4, 2, 3, 3, 4, 5)	{123568, 134678, 23457, 3}
85321:1	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{17}$	1/23(2, 19, 22, 21, 24, 23, 25, 27)	{ \emptyset , 12368, 12568, 1347, 1457, 2345678, 24678, 35}
85321:2	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27}$	1/47(30, 7, 32, 37, 62, 44, 51, 58)	{ \emptyset , 12368, 12568, 134678, 145678, 23457, 247, 35}
85321:3	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{35} + e^{17}$	3/293(14, 76, 59, 90, 73, 104, 118, 132)	{ \emptyset , 12368, 12568, 35}
85321:4a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27} + e^{35}$	1/5(3, 1, 2, 4, 5, 5, 6, 7)	{ \emptyset , 12368, 12568, 134678, 145678, 23457, 247, 35}
85321:4b	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{26}, e^{27} + e^{35}$	1/5(3, 1, 2, 4, 5, 5, 6, 7)	{ \emptyset , 12368, 12568, 134678, 145678, 23457, 247, 35}
85321:5	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{17} + e^{23}$	1/26(5, 16, 20, 21, 25, 26, 31, 36)	{1268, 147, 245678, 5}
85321:6	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27} + e^{15}$	1/57(23, 15, 37, 38, 60, 53, 68, 83)	{12457, 15, 23568, 345678}
85321:7	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{24} + e^{17}$	1/21(4, 12, 19, 16, 23, 20, 24, 28)	{ \emptyset , 12368, 12568, 35}
85321:8	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27} + e^{14}$	1/281(156, 52, 203, 208, 359, 260, 312, 364)	{ \emptyset , 12368, 12568, 35}
85321:9	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{46} + e^{27}$	1/52(8, 27, 48, 35, 56, 43, 51, 78)	{ \emptyset , 12368, 12568, 13478, 14578, 234567, 2467, 35}
85321:10	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{17} + e^{46}$	1/60(24, 13, 48, 37, 72, 50, 63, 87)	{ \emptyset , 12368, 12568, 13467, 14567, 234578, 2478, 35}
85321:11	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16} + e^{23}, e^{34} + e^{17}$	1/9(2, 5, 6, 7, 8, 9, 11, 13)	{123568, 13457, 245678, 5}
85321:13a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{24} + e^{35} + e^{17}$	33/161(1, 3, 3, 4, 4, 5, 6, 7)	{13478, 14578, 234567, 2467}
85321:13b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{24} + e^{35} + e^{17}$	33/161(1, 3, 3, 4, 4, 5, 6, 7)	{13478, 14578, 234567, 2467}
85321:16	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16} + e^{23}, e^{27} + e^{46}$	1/124(32, 45, 96, 77, 128, 109, 141, 186)	{ \emptyset , 12368, 13478, 2467}
85321:17a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{46} + e^{27} + e^{35}$	1/65(10, 37, 47, 47, 57, 57, 67, 104)	{ \emptyset , 12368, 12568, 13478, 14578, 234567, 2467, 35}
85321:17b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{16}, e^{27} + e^{35} + e^{46}$	1/65(10, 37, 47, 47, 57, 57, 67, 104)	{ \emptyset , 12368, 12568, 13478, 14578, 234567, 2467, 35}
85321:18	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{46} + e^{35} + e^{17}$	1/9(4, 2, 5, 6, 9, 8, 10, 14)	{ \emptyset , 12368, 12568, 35}
85321:19	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{17} + e^{23} + e^{46}$	1/47(11, 13, 48, 24, 59, 37, 50, 61)	{12368, 13467, 234578, 35}
85321:20	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{16}, e^{26} + e^{17}$	2/61(7, 14, 27, 21, 34, 28, 35, 42)	{ \emptyset , 1347, 1457, 35}
85321:21	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{14}, e^{27} + e^{16}$	1/31(14, 7, 24, 21, 38, 28, 35, 42)	{ \emptyset , 23457, 247, 35}
85321:24	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{16}, e^{27} + e^{46}$	1/19(4, 8, 17, 12, 21, 16, 20, 28)	{ \emptyset , 13478, 14578, 35}
85321:25	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{14}, e^{46} + e^{17}$	1/53(22, 11, 42, 33, 64, 44, 55, 77)	{12368, 12568, 13467, 14567}
85321:26a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16} + e^{23}, e^{27} + e^{35} + e^{46}$	29/129(1, 2, 3, 3, 4, 4, 5, 7)	{ \emptyset , 12368, 13478, 2467}
85321:26b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{16} + e^{23}, e^{46} + e^{27} + e^{35}$	29/129(1, 2, 3, 3, 4, 4, 5, 7)	{ \emptyset , 12368, 13478, 2467}
85321:27a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16} + e^{23}, e^{27} + e^{15} + e^{46}$	23/81(1, 1, 3, 2, 4, 3, 4, 5)	{123568, 134578, 24567, 5}
85321:27b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{16} + e^{23}, e^{46} + e^{27} + e^{15}$	23/81(1, 1, 3, 2, 4, 3, 4, 5)	{123568, 134578, 24567, 5}
85321:28	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{16}, e^{26} + e^{35} + e^{17}$	9/73(2, 4, 5, 6, 7, 8, 10, 12)	{ \emptyset , 35}
85321:29a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{14}, e^{27} + e^{35} + e^{16}$	9/37(2, 1, 2, 3, 4, 4, 5, 6)	{ \emptyset , 23457, 247, 35}
85321:29b	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{26} + e^{14}, e^{27} + e^{35} + e^{16}$	9/37(2, 1, 2, 3, 4, 4, 5, 6)	{ \emptyset , 23457, 247, 35}
85321:30a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{16}, e^{46} + e^{27} + e^{35}$	29/129(1, 2, 3, 3, 4, 4, 5, 7)	{ \emptyset , 13478, 14578, 35}
85321:30b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{24} + e^{16}, e^{27} + e^{35} + e^{46}$	29/129(1, 2, 3, 3, 4, 4, 5, 7)	{ \emptyset , 13478, 14578, 35}
85321:32	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{14}, e^{17} + e^{23} + e^{46}$	3/17(2, 1, 6, 3, 8, 4, 5, 7)	{12368, 13467}
85321:36	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{15}, e^{17} + e^{46}$	1/9(2, 3, 7, 5, 9, 8, 11, 13)	{ \emptyset , 12568, 13467, 234578}
85321:39	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{15}, e^{46} + e^{35} + e^{17}$	7/23(1, 1, 2, 2, 3, 3, 4, 5)	{ \emptyset , 12568}
85321:43	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{15}, e^{17} + e^{23} + e^{46}$	53/441(1, 3, 8, 4, 9, 7, 10, 11)	{13467, 234578}
8653:1	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{24} + e^{15}$	11/36(1, 1, 2, 3, 3, 4, 4)	{ \emptyset , 1245, 13567, 23467}
8542:2	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{13} + e^{26}$	1/107(34, 35, 105, 69, 103, 104, 137, 139)	{ \emptyset , 12356, 14678, 234578}
8542:4	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{13} + e^{26}$	21/65(1, 1, 3, 2, 3, 3, 4, 4)	{ \emptyset , 12356}
8542:5	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{25} + e^{16}$	1/51(15, 19, 45, 34, 49, 53, 64, 68)	{ \emptyset , 12356, 13467, 2457}

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
8542:6	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15}, e^{26} + e^{34}$	$1/59(17, 22, 44, 39, 56, 61, 73, 83)$	$\{\emptyset, 1256, 14678, 24578\}$
8542:8	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15}, e^{25} + e^{16}$	$5/22(1, 2, 4, 3, 4, 5, 5, 6)$	$\{\emptyset, 1256, 1467, 2457\}$
8542:9	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15} + e^{23}, e^{26} + e^{34}$	$51/389(2, 3, 6, 5, 7, 8, 9, 11)$	$\{1256, 14678\}$
8542:10	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15} + e^{23}, e^{25} + e^{16}$	$25/184(2, 3, 6, 5, 7, 8, 9, 10)$	$\{\emptyset, 2457\}$
8531:1	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}$	$1/68(16, 35, 60, 51, 76, 67, 86, 83)$	$\{\emptyset, 12367, 12567, 13478, 14578, 234568, 2468, 35\}$
8531:2	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}$	$1/18(8, 5, 14, 13, 22, 18, 21, 23)$	$\{\emptyset, 12367, 12567, 13468, 14568, 234578, 2478, 35\}$
8531:3	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16}$	$1/39(6, 30, 23, 36, 29, 42, 52, 48)$	$\{\emptyset, 12367, 12567, 13478, 14578, 234568, 2468, 35\}$
8531:4	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}$	$1/21(12, 5, 8, 17, 20, 22, 28, 27)$	$\{\emptyset, 12367, 12567, 134678, 145678, 23458, 248, 35\}$
8531:5	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{26}$	$1/17(7, 5, 14, 12, 21, 17, 19, 22)$	$\{12367, 13468, 234578, 35\}$
8531:6	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}$	$1/16(2, 13, 14, 15, 16, 17, 18, 19)$	$\{\emptyset, 12367, 1256, 13478, 1458, 2345678, 2468, 357\}$
8531:8	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16} + e^{23}$	$3/44(4, 7, 12, 11, 16, 15, 18, 19)$	$\{\emptyset, 12367, 13478, 2468\}$
8531:9	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{16}$	$1/19(5, 10, 14, 15, 19, 20, 24, 25)$	$\{134578, 148, 37, 5\}$
8531:11	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16} + e^{23}$	$1/32(6, 23, 18, 29, 24, 35, 42, 41)$	$\{\emptyset, 12367, 13478, 2468\}$
8531:12a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16}$	$1/89(18, 55, 55, 73, 73, 91, 128, 109)$	$\{\emptyset, 12367, 12567, 13478, 14578, 234568, 2468, 35\}$
8531:12b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16}$	$1/89(18, 55, 55, 73, 73, 91, 128, 109)$	$\{\emptyset, 12367, 12567, 13478, 14578, 234568, 2468, 35\}$
8531:13	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{16}$	$1/9(2, 5, 6, 7, 8, 9, 13, 11)$	$\{\emptyset, 12367, 1256, 1348, 14578, 234568, 24678, 357\}$
8531:14	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{14}, e^{26}$	$1/123(68, 30, 49, 98, 117, 128, 166, 158)$	$\{\emptyset, 12367, 12567, 35\}$
8531:15	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26}$	$1/9(5, 2, 5, 7, 10, 9, 12, 11)$	$\{\emptyset, 12367, 1256, 13468, 145678, 23458, 2478, 357\}$
8531:16	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{16}$	$1/227(49, 170, 134, 219, 183, 268, 232, 317)$	$\{\emptyset, 13478, 1458, 357\}$
8531:17	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{35}$	$1/57(21, 20, 30, 41, 51, 61, 72, 81)$	$\{\emptyset, 134678, 14568, 357\}$
8531:18	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26} + e^{15}$	$1/27(13, 8, 11, 21, 24, 29, 35, 37)$	$\{\emptyset, 12567, 134678, 23458\}$
8531:19	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{23}$	$1/112(26, 73, 78, 99, 104, 125, 130, 151)$	$\{\emptyset, 12367, 13478, 2468\}$
8531:20	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{16}$	$1/59(13, 32, 51, 45, 64, 58, 77, 71)$	$\{\emptyset, 12367, 13478, 2468\}$
8531:21	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35} + e^{16}$	$1/353(108, 170, 193, 278, 301, 386, 448, 494)$	$\{\emptyset, 13478, 14578, 35\}$
8531:22	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26} + e^{35}$	$1/29(12, 10, 15, 22, 27, 32, 34, 42)$	$\{\emptyset, 13468, 14568, 35\}$
8531:23	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{24} + e^{16}$	$1/111(30, 60, 59, 90, 89, 120, 148, 150)$	$\{\emptyset, 13478, 14578, 35\}$
8531:24	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26} + e^{14}$	$1/57(30, 15, 23, 45, 53, 60, 76, 75)$	$\{\emptyset, 23458, 248, 35\}$
8531:27	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{35}, e^{25} + e^{16}$	$1/8(2, 5, 4, 7, 6, 9, 10, 11)$	$\{\emptyset, 12567, 14578, 2468\}$
8531:28	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{35} + e^{16}$	$1/69(17, 40, 37, 57, 54, 74, 94, 91)$	$\{\emptyset, 1348, 14578, 357\}$
8531:29	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{35}$	$1/109(59, 30, 45, 89, 104, 119, 134, 149)$	$\{\emptyset, 13468, 145678, 357\}$
8531:31	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26} + e^{15}$	$1/281(100, 101, 203, 201, 303, 302, 301, 403)$	$\{\emptyset, 12567, 13468, 234578\}$
8531:33	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{14}$	$1/21(10, 5, 11, 15, 21, 20, 31, 25)$	$\{123478, 12458, 137, 15\}$
8531:34a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16} + e^{23}$	$33/161(1, 3, 3, 4, 4, 5, 7, 6)$	$\{\emptyset, 12367, 13478, 2468\}$
8531:34b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16} + e^{23}$	$33/161(1, 3, 3, 4, 4, 5, 7, 6)$	$\{\emptyset, 12367, 13478, 2468\}$
8531:36	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{26} + e^{35}$	$5/49(3, 4, 6, 7, 9, 11, 10, 15)$	$\{13468, 35\}$
8531:38	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{35} + e^{16}$	$61/553(3, 4, 5, 7, 8, 10, 11, 13)$	$\{14578, 35\}$
8531:39	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{14}, e^{26} + e^{15}$	$67/681(5, 3, 4, 8, 9, 11, 13, 14)$	$\{134678, 23458\}$
8531:40	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{15}$	$1/59(24, 19, 33, 43, 57, 62, 76, 81)$	$\{\emptyset, 1256, 13468, 23458\}$
8531:43	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{25} + e^{34} + e^{16}$	$1/8(2, 5, 4, 7, 6, 9, 10, 11)$	$\{\emptyset, 12567, 14578, 2468\}$
8531:44a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{16} + e^{23}$	$9/35(1, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12367, 13478, 2468\}$
8531:44b	$0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{24} + e^{15}, e^{16} + e^{23}$	$9/35(1, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12367, 13478, 2468\}$
8531:45	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{26} + e^{15}$	$19/53(1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 12567\}$
8531:46	$0, 0, 0, e^{12}, a_1 e^{13}, e^{14}, e^{15} + e^{23}, e^{24} + e^{16}$	$1/19(5, 10, 14, 15, 19, 20, 24, 25)$	see main article
8531:47	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{26} + e^{14}$	$(0, 0, 1, 0, 1, 0, 1, 0)$	$\{123478, 12458\}$
8531:48	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{25} + e^{16}$	$1/12(4, 5, 8, 9, 12, 13, 14, 17)$	$\{\emptyset, 12567, 14578, 2468\}$
8531:51	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{35} + e^{14}$	$17/133(4, 2, 3, 6, 7, 8, 11, 10)$	$\{123478, 12458\}$
8531:52	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{24} + e^{16}$	$1/179(45, 90, 119, 135, 164, 180, 254, 225)$	$\{\emptyset, 1348, 14578, 357\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
8531:53	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{14}$	1/179(90, 45, 104, 135, 194, 180, 239, 225)	{0, 23458, 2478, 357}
8531:54a	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{35}, e^{25} + e^{16}$	25/93(1, 2, 2, 3, 3, 4, 5, 5)	{0, 12567, 14578, 2468}
8531:54b	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{35}, e^{25} + e^{16}$	25/93(1, 2, 2, 3, 3, 4, 5, 5)	{0, 12567, 14578, 2468}
8531:56a	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{35}, e^{34} + e^{16}$	25/93(1, 2, 2, 3, 3, 4, 5, 5)	{0, 12567, 14578, 2468}
8531:56b	$0, 0, 0, -e^{12}, -e^{13}, e^{14} + e^{23}, e^{24} + e^{35}, e^{34} + e^{16}$	25/93(1, 2, 2, 3, 3, 4, 5, 5)	{0, 12567, 14578, 2468}
8531:57	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34} + e^{16}$	1/12(4, 5, 8, 9, 12, 13, 14, 17)	{0, 12567, 14578, 2468}
8531:58a	$0, 0, 0, e^{12}, a_1 e^{13}, e^{14}, e^{15} + e^{23}, e^{24} + e^{35} + e^{16}$	2/7(1, 2, 2, 3, 3, 4, 4, 5)	see main article
8531:58b	$0, 0, 0, -e^{12}, a_1 e^{13}, e^{14}, e^{15} + e^{23}, e^{24} + e^{35} + e^{16}$	2/7(1, 2, 2, 3, 3, 4, 4, 5)	see main article
8531:61	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{15}, e^{25} + e^{16}$	11/71(2, 3, 4, 5, 6, 7, 8, 9)	{0, 2468}
8531:63	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{15}, e^{34} + e^{16}$	11/71(2, 3, 4, 5, 6, 7, 8, 9)	{0, 2468}
8531:64a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{25} + e^{34} + e^{16}$	25/93(1, 2, 2, 3, 3, 4, 5, 5)	{0, 12567, 14578, 2468}
8531:64b	$0, 0, 0, e^{12}, e^{13}, e^{14}, -e^{24} + e^{35}, e^{25} + e^{34} + e^{16}$	25/93(1, 2, 2, 3, 3, 4, 5, 5)	{0, 12567, 14578, 2468}
8531:65a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{24} + e^{35} + e^{16}$	25/93(1, 2, 2, 3, 3, 4, 5, 5)	{0, 1348, 14578, 357}
8531:65b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, -e^{25} + e^{34}, e^{24} + e^{35} + e^{16}$	25/93(1, 2, 2, 3, 3, 4, 5, 5)	{0, 1348, 14578, 357}
8531:66	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{35} + e^{14}$	49/359(4, 2, 3, 6, 7, 8, 9, 10)	{13468, 145678}
8531:67	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{25} + e^{34} + e^{16}$	11/71(2, 3, 4, 5, 6, 7, 8, 9)	{0, 2468}
8531:71a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{27} + e^{16}$	1/81(28, 28, 67, 56, 95, 84, 84, 112)	{0, 12367, 12567, 13478, 14578, 234568, 2468, 35}
8531:71b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{24}, e^{27} + e^{16}$	1/81(28, 28, 67, 56, 95, 84, 84, 112)	{0, 12367, 12567, 13478, 14578, 234568, 2468, 35}
8531:72	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{26} + e^{17}$	1/13(4, 5, 11, 9, 15, 13, 14, 18)	{0, 12367, 12567, 1347, 1457, 23456, 246, 35}
8531:73	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{27} + e^{16}$	1/61(23, 20, 46, 43, 69, 63, 66, 86)	{0, 12567, 1456, 247}
8531:74a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{27} + e^{35} + e^{16}$	18/97(2, 2, 3, 4, 5, 6, 6, 8)	{0, 13478, 14578, 35}
8531:74b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{24}, e^{27} + e^{35} + e^{16}$	18/97(2, 2, 3, 4, 5, 6, 6, 8)	{0, 13478, 14578, 35}
8531:75	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{26} + e^{35} + e^{17}$	9/109(4, 5, 7, 9, 11, 13, 14, 18)	{0, 23456, 246, 35}
8531:76a	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{26} + e^{34} + e^{17}$	19/53(1, 1, 2, 2, 3, 3, 3, 4)	{0, 12567, 14568, 2478}
8531:76b	$0, 0, 0, -e^{12}, e^{13}, e^{24}, -e^{14} + e^{23}, e^{26} + e^{34} + e^{17}$	19/53(1, 1, 2, 2, 3, 3, 3, 4)	{0, 12567, 14568, 2478}
8531:77	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{27} + e^{35} + e^{16}$	15/101(2, 3, 4, 5, 6, 8, 7, 10)	{23457, 35}
8531:87	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{17}$	1/123(30, 49, 87, 79, 117, 128, 147, 177)	{12458, 137, 26, 345678}
8531:88	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{37} + e^{26}$	1/15(9, 4, 4, 13, 13, 17, 17, 21)	{0, 12367, 145678, 23458}
8531:89	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{26} + e^{17}$	1/179(37, 90, 143, 127, 180, 164, 217, 254)	{0, 12367, 1347, 246}
8531:91	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{24} + e^{37} + e^{16}$	67/681(3, 6, 4, 9, 7, 12, 11, 15)	{0, 14578}
8531:92	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{37} + e^{26} + e^{14}$	23/81(2, 1, 1, 3, 3, 4, 4, 5)	{0, 23458}
8531:94	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{15}, e^{26} + e^{17}$	15/101(2, 3, 4, 5, 6, 7, 8, 10)	{23578, 345678}
8531:98	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{26} + e^{35} + e^{17}$	15/101(2, 3, 4, 5, 6, 7, 8, 10)	{0, 246}
8521:1	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{17}$	1/41(10, 23, 30, 33, 40, 53, 43, 53)	{12357, 1267, 134568, 148, 23478, 245678, 36, 5}
8521:3	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35} + e^{17}$	1/81(21, 50, 46, 71, 67, 96, 92, 113)	{0, 13468, 1458, 356}
8521:4	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{27} + e^{35}$	1/29(14, 10, 15, 24, 29, 25, 34, 44)	{13478, 145678, 35, 6}
8521:5	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{27} + e^{15}$	1/293(115, 104, 197, 219, 312, 301, 323, 427)	{0, 12567, 134678, 23458}
8521:6a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{35} + e^{17}$	2/7(1, 2, 2, 3, 3, 4, 4, 5)	{0, 13468, 1458, 356}
8521:6b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{35} + e^{17}$	2/7(1, 2, 2, 3, 3, 4, 4, 5)	{0, 13468, 1458, 356}
8521:7	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25} + e^{34} + e^{17}$	1/16(5, 8, 10, 13, 15, 18, 18, 23)	{0, 12567, 1458, 24678}
8521:8	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{27} + e^{35} + e^{14}$	15/101(4, 2, 3, 6, 7, 5, 8, 10)	{13478, 145678}
8521:9	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{35} + e^{17}$	59/513(3, 4, 5, 7, 8, 9, 10, 13)	{0, 13468}
853:1	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}$	1/19(5, 10, 14, 15, 19, 20, 25, 24)	{0, 123678, 12567, 13478, 1457, 234568, 246, 358}
853:2	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}$	1/33(12, 15, 16, 27, 28, 39, 42, 44)	{0, 123678, 125678, 13478, 14578, 23456, 246, 35}
853:4	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{15}$	1/227(73, 110, 146, 183, 219, 293, 256, 292)	{0, 12567, 1456, 247}
853:5	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{35}$	1/29(8, 15, 16, 23, 24, 38, 31, 40)	{123678, 13468, 23457, 35}
853:6	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34}$	1/13(5, 5, 8, 10, 13, 15, 15, 18)	{0, 123678, 12567, 1347, 14578, 23456, 2468, 358}

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
853:7a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{24} + e^{35}$	$2/7(1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 123678, 12568, 13478, 1458, 234567, 246, 357\}$
853:7b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{24} + e^{35}$	$2/7(1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 123678, 12568, 13478, 1458, 234567, 246, 357\}$
853:8	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{34}$	$2/7(1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 123678, 1256, 1347, 1458, 234567, 2468, 3578\}$
853:9	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{35} + e^{14}$	$1/139(53, 67, 60, 120, 113, 187, 166, 173)$	$\{134678, 14568, 23457, 24\}$
853:10	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{25} + e^{34}$	$1/9(3, 4, 5, 7, 8, 11, 11, 12)$	$\{\emptyset, 123678, 1256, 13467, 14568, 23457, 248, 3578\}$
853:11	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{25} + e^{34}$	$1/8(4, 3, 3, 7, 7, 10, 10, 10)$	$\{\emptyset, 123678, 12567, 13467, 145678, 2345, 248, 358\}$
853:12	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{25} + e^{34}$	$1/12(4, 5, 8, 9, 12, 14, 13, 17)$	$\{123678, 1346, 23457, 358\}$
853:15	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{35} + e^{14}$	$15/101(2, 4, 3, 6, 5, 10, 7, 8)$	$\{23457, 24\}$
853:16	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{25} + e^{34}$	$1/8(2, 4, 5, 6, 7, 10, 9, 11)$	$\{123678, 1256, 23457, 248\}$
853:17	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{25} + e^{34}$	$4/61(5, 7, 9, 12, 14, 17, 19, 21)$	$\{\emptyset, 123678, 1347, 2468\}$
853:18a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{24} + e^{35}$	$1/53(19, 25, 25, 44, 44, 63, 69, 69)$	$\{\emptyset, 123678, 12568, 1348, 14578, 23456, 2467, 357\}$
853:18b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, -e^{25} + e^{34}, e^{24} + e^{35}$	$1/53(19, 25, 25, 44, 44, 63, 69, 69)$	$\{\emptyset, 123678, 12568, 1348, 14578, 23456, 2467, 357\}$
853:19	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{14}, e^{25} + e^{34}$	$1/31(14, 12, 13, 26, 27, 38, 40, 39)$	$\{\emptyset, 123678, 12567, 358\}$
853:20	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{15}, e^{25} + e^{34}$	$11/71(2, 3, 4, 5, 6, 7, 8, 9)$	$\{123678, 1347\}$
853:21a	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25} + e^{34}, e^{24} + e^{35}$	$25/93(1, 2, 2, 3, 3, 4, 5, 5)$	$\{123678, 1348, 23456, 357\}$
853:21b	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, -e^{25} + e^{34}, e^{24} + e^{35}$	$25/93(1, 2, 2, 3, 3, 4, 5, 5)$	$\{123678, 1348, 23456, 357\}$
853:22	$0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{35} + e^{14}, e^{25} + e^{34}$	$8/19(1, 1, 1, 2, 2, 3, 3, 3)$	$\{\emptyset, 123678\}$
852:1	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}$	$3/37(5, 5, 9, 10, 14, 14, 15, 15)$	$\{\emptyset, 12378, 125678, 13468, 1458, 23457, 2467, 356\}$
852:2	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}$	$1/37(11, 23, 23, 34, 34, 46, 45, 45)$	$\{\emptyset, 12378, 12567, 13468, 145, 234578, 2467, 3568\}$
852:3	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}$	$1/27(9, 13, 17, 22, 26, 30, 35, 35)$	$\{\emptyset, 12378, 12567, 134678, 1457, 23458, 246, 3568\}$
852:4	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{123678, 12578, 13478, 145678, 23456, 24, 35, 6\}$
852:5	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}$	$1/6(2, 3, 4, 5, 6, 7, 7, 8)$	$\{\emptyset, 12378, 13468, 2467\}$
852:6a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{35}$	$3/17(2, 3, 3, 5, 5, 6, 7, 8)$	$\{\emptyset, 12378, 125678, 13468, 1458, 23457, 2467, 356\}$
852:6b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{35}$	$3/17(2, 3, 3, 5, 5, 6, 7, 8)$	$\{\emptyset, 12378, 125678, 13468, 1458, 23457, 2467, 356\}$
852:7	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25} + e^{34}$	$1/19(7, 9, 11, 16, 18, 20, 23, 27)$	$\{\emptyset, 12378, 12567, 1346, 1458, 23457, 24678, 3568\}$
852:9	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{25} + e^{34}$	$1/19(9, 7, 11, 16, 20, 18, 23, 27)$	$\{123678, 1257, 1347, 145678, 23456, 248, 358, 6\}$
852:12a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{34}, e^{24} + e^{35}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{123678, 1258, 1348, 145678, 23456, 247, 357, 6\}$
852:12b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, -e^{25} + e^{34}, e^{24} + e^{35}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{123678, 1258, 1348, 145678, 23456, 247, 357, 6\}$
852:13a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{15}$	$1/17(7, 7, 10, 14, 17, 17, 21, 24)$	$\{\emptyset, 12378, 12567, 13468, 145, 234578, 2467, 3568\}$
852:13b	$0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{14}, e^{26} + e^{15}$	$1/17(7, 7, 10, 14, 17, 17, 21, 24)$	$\{\emptyset, 12378, 12567, 13468, 145, 234578, 2467, 3568\}$
852:14	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25} + e^{16}$	$1/19(7, 9, 11, 16, 18, 20, 23, 27)$	$\{\emptyset, 12378, 12567, 1346, 1458, 23457, 24678, 3568\}$
852:16	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{35}$	$1/24(10, 11, 12, 21, 22, 23, 31, 34)$	$\{\emptyset, 12378, 13468, 2467\}$
852:20a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{36} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 13467, 2468\}$
852:20b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{36} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 13467, 2468\}$
852:21	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{34} + e^{16}$	$1/13(5, 6, 7, 11, 12, 13, 17, 18)$	$\{\emptyset, 12378, 13467, 2468\}$
852:23	$0, 0, 0, e^{12}, a_1 e^{13}, e^{23}, e^{35} + e^{14}, e^{24} + e^{36}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 125678, 356\}$
852:24a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{35}, e^{36} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 125678, 13467, 1457, 23458, 2468, 356\}$
852:24b	$0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{24} + e^{35}, e^{36} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 125678, 13467, 1457, 23458, 2468, 356\}$
852:24c	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{24} + e^{35}, e^{36} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 125678, 13467, 1457, 23458, 2468, 356\}$
852:25a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{34}, e^{36} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 12568, 1346, 1457, 23458, 24678, 3567\}$
852:25b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{25} + e^{34}, e^{36} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 12568, 1346, 1457, 23458, 24678, 3567\}$
852:29	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{34}, e^{24} + e^{36} + e^{15}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378\}$
84321:2	$0, 0, 0, 0, e^{12}, e^{15}, e^{16}, e^{34} + e^{17}$	$1/47(7, 36, 32, 32, 43, 50, 57, 64)$	$\{\emptyset, 12368, 12468, 13457, 157, 235678, 245678, 34\}$
84321:7	$0, 0, 0, 0, e^{12}, e^{15}, e^{16}, e^{25} + e^{34} + e^{17}$	$11/107(2, 6, 7, 7, 8, 10, 12, 14)$	$\{\emptyset, 12368, 12468, 34\}$
84321:8	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16}, e^{56} + e^{34} + e^{27}$	$1/60(10, 33, 48, 48, 43, 53, 63, 96)$	$\{\emptyset, 12368, 12468, 13578, 14578, 234567, 2567, 34\}$
84321:11	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16} + e^{23}, e^{24} + e^{35} + e^{17}$	$1/9(2, 5, 6, 8, 7, 9, 11, 13)$	$\{\emptyset, 12368, 1357, 25678\}$
84321:13	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16} + e^{23}, e^{56} + e^{34} + e^{27}$	$1/21(5, 9, 15, 18, 14, 19, 24, 33)$	$\{\emptyset, 12368, 13578, 2567\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
84321:15	$0, 0, 0, 0, e^{12}, e^{15}, e^{25} + e^{16}, e^{26} + e^{34} + e^{17}$	$27/109(1, 2, 3, 3, 3, 4, 5, 6)$	$\{\emptyset, 13457, 157, 34\}$
84321:17	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16} + e^{23}, e^{56} + e^{27} + e^{14}$	$1/47(13, 14, 39, 54, 27, 40, 53, 67)$	$\{123468, 134578, 24567, 4\}$
84321:18	$0, 0, 0, 0, -e^{12}, e^{15}, e^{25} + e^{16}, e^{34} + e^{27} + e^{56}$	$29/257(2, 4, 7, 7, 6, 8, 10, 14)$	$\{\emptyset, 13578, 14578, 34\}$
8431:2	$0, 0, 0, 0, e^{12}, e^{15}, e^{25} + e^{34}, e^{16}$	$1/28(6, 17, 20, 20, 23, 29, 40, 35)$	$\{\emptyset, 12367, 12467, 13578, 14578, 234568, 2568, 34\}$
8431:4	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{34} + e^{16}$	$1/28(9, 13, 20, 20, 22, 31, 35, 40)$	$\{\emptyset, 123467, 1267, 13578, 14578, 23568, 24568, 34\}$
8431:6	$0, 0, 0, 0, e^{12}, e^{15}, e^{13} + e^{25}, e^{34} + e^{16}$	$1/25(9, 10, 20, 17, 19, 28, 29, 37)$	$\{123467, 13578, 23568, 34\}$
8431:7	$0, 0, 0, 0, e^{12}, e^{15}, e^{25} + e^{34}, e^{16} + e^{23}$	$1/83(19, 49, 57, 60, 68, 87, 117, 106)$	$\{\emptyset, 12367, 13578, 2568\}$
8431:9	$0, 0, 0, 0, e^{12}, e^{15}, e^{13} + e^{25}, e^{24} + e^{16}$	$1/59(17, 28, 56, 51, 45, 62, 73, 79)$	$\{\emptyset, 12467, 14578, 2568\}$
8431:11	$0, 0, 0, 0, e^{12}, e^{13} + e^{25}, e^{34} + e^{15}, e^{26} + e^{35}$	$1/36(19, 10, 20, 28, 29, 39, 48, 49)$	$\{\emptyset, 12467, 1568, 24578\}$
8431:13	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{25} + e^{14}, e^{35} + e^{16}$	$1/22(7, 10, 14, 20, 17, 24, 27, 31)$	$\{\emptyset, 1267, 1578, 2568\}$
8431:16	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{25} + e^{14}, e^{24} + e^{35} + e^{16}$	$11/71(2, 3, 4, 6, 5, 7, 8, 9)$	$\{1267, 1578\}$
8431:20a	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{34} + e^{27} + e^{16}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 123467, 1267, 13578, 14578, 23568, 24568, 34\}$
8431:20b	$0, 0, 0, 0, e^{12}, -e^{15}, e^{25}, e^{34} + e^{27} + e^{16}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 123467, 1267, 13578, 14578, 23568, 24568, 34\}$
8431:21	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{26} + e^{34} + e^{17}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 123467, 1267, 13457, 157, 23456, 256, 34\}$
8421:4	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{17}$	$1/41(10, 29, 30, 29, 39, 40, 49, 59)$	$\{123467, 127, 13568, 1458, 23578, 245678, 34, 6\}$
8421:5	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{27}$	$1/15(9, 4, 9, 12, 13, 18, 17, 21)$	$\{\emptyset, 12347, 1267, 13578, 145678, 23568, 2458, 346\}$
8421:6	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{17}$	$1/41(10, 23, 42, 29, 33, 52, 43, 53)$	$\{12367, 1247, 134568, 158, 234578, 25678, 3, 46\}$
8421:7	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{17} + e^{23}$	$1/39(8, 27, 24, 27, 35, 51, 43, 51)$	$\{\emptyset, 12347, 12367, 13458, 13568, 245678, 2578, 46\}$
8421:9	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{17}$	$1/31(8, 19, 27, 24, 27, 35, 35, 43)$	$\{\emptyset, 12347, 12467, 13458, 14568, 235678, 2578, 36\}$
8421:10	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27} + e^{14}$	$1/24(12, 7, 18, 21, 19, 30, 26, 33)$	$\{\emptyset, 12347, 12467, 13578, 15678, 234568, 2458, 36\}$
8421:13	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{17} + e^{23}$	$1/23(7, 11, 21, 17, 18, 28, 25, 32)$	$\{12367, 134568, 25678, 46\}$
8421:18	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34} + e^{17}$	$1/227(67, 134, 165, 170, 201, 232, 268, 335)$	$\{\emptyset, 1358, 14568, 346\}$
8421:19	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{27} + e^{15}$	$1/81(46, 23, 50, 65, 69, 96, 92, 115)$	$\{\emptyset, 23568, 2458, 346\}$
8421:21	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{35} + e^{17}$	$1/8(2, 5, 4, 6, 7, 10, 9, 11)$	$\{\emptyset, 12467, 127, 14568, 158, 245678, 2578, 46\}$
8421:23	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36} + e^{17}$	$1/21(5, 15, 8, 14, 20, 22, 25, 30)$	$\{\emptyset, 12367, 127, 13458, 14568, 234578, 245678, 36\}$
8421:26	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{45} + e^{17}$	$2/7(1, 2, 3, 2, 3, 4, 4, 5)$	$\{\emptyset, 1237, 1267, 1358, 1568, 235678, 2578, 36\}$
8421:27	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{27} + e^{45}$	$1/9(4, 3, 7, 6, 11, 10, 13)$	$\{\emptyset, 1237, 1267, 13578, 15678, 23568, 258, 36\}$
8421:28	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{36} + e^{17}$	$1/297(84, 190, 179, 252, 274, 263, 358, 442)$	$\{\emptyset, 13458, 14568, 36\}$
8421:29	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{27} + e^{14}$	$1/69(36, 22, 33, 66, 58, 69, 80, 102)$	$\{\emptyset, 13578, 15678, 36\}$
8421:30	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{27} + e^{16}$	$1/48(21, 17, 30, 42, 38, 51, 55, 72)$	$\{\emptyset, 1267, 13578, 23568\}$
8421:32	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34} + e^{15}, e^{17} + e^{46}$	$1/9(2, 7, 6, 5, 9, 8, 11, 13)$	$\{\emptyset, 1237, 12467, 13458, 1568, 235678, 24578, 346\}$
8421:33	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15} + e^{23}, e^{35} + e^{17}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{1247, 158, 25678, 46\}$
8421:35	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{46} + e^{17} + e^{23}$	$1/123(28, 90, 84, 45, 118, 129, 146, 174)$	$\{12467, 127, 234578, 235678\}$
8421:40	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{24} + e^{35} + e^{17}$	$1/56(18, 29, 36, 54, 47, 54, 65, 83)$	$\{1247, 1458, 25678, 6\}$
8421:41	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{26} + e^{34} + e^{17}$	$1/16(5, 9, 10, 14, 14, 15, 19, 24)$	$\{\emptyset, 1267, 14568, 24578\}$
8421:42	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{36} + e^{17}$	$3/109(10, 23, 15, 28, 33, 38, 43, 53)$	$\{\emptyset, 23578, 245678, 346\}$
8421:43	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36} + e^{25} + e^{17}$	$1/27(8, 16, 11, 18, 24, 29, 32, 40)$	$\{\emptyset, 13458, 14568, 36\}$
8421:46	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{35} + e^{17} + e^{46}$	$1/39(11, 25, 22, 18, 36, 40, 47, 58)$	$\{\emptyset, 12467, 127, 46\}$
8421:48	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34} + e^{15}, e^{25} + e^{17} + e^{46}$	$1/69(21, 42, 44, 40, 63, 65, 84, 105)$	$\{\emptyset, 13458, 1568, 346\}$
8421:49	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{45} + e^{36} + e^{17}$	$2/69(11, 20, 21, 22, 31, 32, 42, 53)$	$\{\emptyset, 1358, 1568, 36\}$
8421:50	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{36} + e^{27} + e^{45}$	$1/49(22, 18, 27, 36, 40, 49, 58, 76)$	$\{\emptyset, 13578, 15678, 36\}$
8421:51	$0, 0, 0, 0, e^{12}, e^{24} - e^{13}, e^{34} + e^{15}, e^{46} + e^{17} + e^{23}$	$51/389(2, 5, 6, 3, 7, 8, 9, 11)$	$\{235678, 346\}$
8421:52	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{26} + e^{35} + e^{17}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 1267, 14568, 24578\}$
8421:53	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{45} + e^{27} + e^{16}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 1267, 13578, 23568\}$
8421:55	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{36} + e^{25} + e^{17}$	$15/101(2, 4, 3, 5, 6, 7, 8, 10)$	$\{\emptyset, 346\}$
842:4	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}$	$1/19(7, 10, 13, 14, 17, 20, 24, 27)$	$\{\emptyset, 12378, 124678, 1358, 14568, 234567, 257, 346\}$
842:5	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{15}$	$1/27(13, 11, 17, 20, 24, 30, 35, 37)$	$\{\emptyset, 12378, 124678, 13457, 1567, 23568, 2458, 346\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
842:6	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{25}$	$1/37(15, 15, 32, 32, 30, 47, 45, 45)$	$\{\emptyset, 123478, 12678, 1358, 14568, 23567, 2457, 346\}$
842:7	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}$	$1/11(5, 4, 8, 7, 9, 15, 14, 13)$	$\{123478, 123678, 13458, 13568, 23457, 23567, 34, 36\}$
842:8	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}$	$1/23(8, 11, 19, 22, 19, 27, 27, 30)$	$\{\emptyset, 12378, 12678, 1358, 1568, 23567, 257, 36\}$
842:9	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{15}$	$1/37(16, 15, 29, 32, 31, 45, 46, 47)$	$\{\emptyset, 12378, 12678, 1357, 1567, 23568, 258, 36\}$
842:10	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{25} + e^{34}$	$1/227(91, 110, 165, 146, 201, 256, 292, 311)$	$\{\emptyset, 1358, 14568, 346\}$
842:11	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{34}$	$1/37(13, 20, 26, 27, 33, 39, 46, 53)$	$\{12378, 1358, 234567, 346\}$
842:12	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{34} + e^{15}$	$1/26(13, 10, 16, 20, 23, 29, 33, 36)$	$\{124678, 13457, 2458, 346\}$
842:14	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{15}, e^{13} + e^{25}$	$1/38(15, 16, 32, 33, 31, 48, 46, 47)$	$\{\emptyset, 12678, 1458, 24567\}$
842:15a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{13} + e^{25}$	$1/5(2, 2, 4, 3, 4, 7, 6, 6)$	$\{123478, 123678, 13458, 13568, 23457, 23567, 34, 36\}$
842:15b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{15} + e^{23}, e^{13} + e^{25}$	$1/5(2, 2, 4, 3, 4, 7, 6, 6)$	$\{123478, 123678, 13458, 13568, 23457, 23567, 34, 36\}$
842:16	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{25} + e^{14}$	$3/8(1, 1, 2, 2, 2, 4, 3, 3)$	$\{123478, 13458, 23457, 34\}$
842:17	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{14}$	$1/13(5, 6, 10, 12, 11, 15, 16, 17)$	$\{\emptyset, 12678, 1568, 257\}$
842:18a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{25} + e^{14}$	$1/19(8, 8, 15, 16, 16, 23, 24, 24)$	$\{\emptyset, 12378, 12678, 1358, 1568, 23567, 257, 36\}$
842:18b	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} - e^{15}, e^{25} + e^{14}$	$1/19(8, 8, 15, 16, 16, 23, 24, 24)$	$\{\emptyset, 12378, 12678, 1358, 1568, 23567, 257, 36\}$
842:19	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{25}, e^{34} + e^{15}$	$55/437(4, 3, 6, 5, 7, 9, 10, 11)$	$\{2358, 346\}$
842:20	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15} + e^{23}, e^{25} + e^{14}$	$17/41(1, 1, 2, 2, 2, 3, 3, 3)$	$\{\emptyset, 12678\}$
842:26	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{16}$	$1/37(11, 23, 29, 28, 34, 40, 45, 51)$	$\{\emptyset, 12378, 12467, 13458, 156, 235678, 2457, 3468\}$
842:27	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{16}$	$1/27(9, 13, 19, 24, 22, 28, 35, 37)$	$\{\emptyset, 12378, 12467, 134578, 1567, 23568, 245, 3468\}$
842:28	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{14}$	$1/41(12, 29, 21, 42, 41, 33, 53, 54)$	$\{123478, 124678, 13458, 14568, 234567, 2457, 346, 4\}$
842:30	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{36}$	$1/18(6, 11, 10, 15, 17, 16, 23, 26)$	$\{\emptyset, 12378, 12678, 13458, 14568, 234567, 2457, 36\}$
842:31	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{14}$	$1/39(18, 17, 18, 36, 35, 36, 52, 54)$	$\{\emptyset, 12378, 12678, 13578, 15678, 2356, 25, 36\}$
842:32	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{16}$	$1/15(6, 7, 9, 12, 13, 15, 20, 21)$	$\{\emptyset, 12378, 1267, 13578, 1567, 23568, 25, 368\}$
842:33	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{36}$	$1/47(24, 19, 20, 45, 43, 44, 62, 64)$	$\{\emptyset, 12378, 12678, 134578, 145678, 23456, 245, 36\}$
842:39	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{24} + e^{16}$	$3/26(3, 4, 6, 8, 7, 9, 11, 12)$	$\{12467, 134578, 245, 3468\}$
842:41	$0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{24} + e^{15}, e^{34} + e^{16}$	$1/3(1, 2, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 12378, 1267, 1358, 156, 235678, 257, 368\}$
842:42	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{24} + e^{36}$	$3/293(46, 44, 43, 88, 90, 89, 134, 132)$	$\{\emptyset, 12378, 12678, 36\}$
842:43a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{15}, e^{24} + e^{16}$	$1/3(1, 2, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 12378, 12467, 13458, 156, 235678, 2457, 3468\}$
842:43b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34} + e^{15}, e^{24} + e^{16}$	$1/3(1, 2, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 12378, 12467, 13458, 156, 235678, 2457, 3468\}$
842:44	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{16}$	$3/34(4, 6, 7, 9, 10, 11, 16, 15)$	$\{\emptyset, 12378, 12467, 3468\}$
842:45	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{36}$	$3/29(5, 4, 4, 9, 9, 9, 13, 13)$	$\{\emptyset, 12378, 145678, 23456\}$
842:46	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{24} + e^{16}$	$1/29(10, 17, 20, 23, 27, 30, 37, 40)$	$\{\emptyset, 12467, 156, 2457\}$
842:47	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{36} + e^{14}$	$1/19(5, 14, 10, 20, 19, 15, 24, 25)$	$\{123478, 13458, 234567, 346\}$
842:49	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{24} + e^{36}$	$1/17(5, 11, 10, 14, 16, 15, 21, 25)$	$\{12378, 13458, 234567, 36\}$
842:53a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{25} + e^{14}$	$3/17(2, 3, 3, 6, 5, 5, 7, 8)$	$\{123478, 124678, 13458, 14568, 234567, 2457, 346, 4\}$
842:53b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{36} + e^{25} + e^{14}$	$3/17(2, 3, 3, 6, 5, 5, 7, 8)$	$\{123478, 124678, 13458, 14568, 234567, 2457, 346, 4\}$
842:54	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{26} + e^{35} + e^{14}$	$1/19(7, 9, 11, 20, 16, 18, 23, 27)$	$\{123478, 1267, 135, 14568, 234567, 2578, 368, 4\}$
842:56	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{36} + e^{15}$	$1/29(14, 12, 13, 28, 26, 27, 38, 40)$	$\{\emptyset, 12378, 12678, 36\}$
842:57	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{26} + e^{35} + e^{14}$	$1/19(9, 7, 11, 18, 16, 20, 23, 27)$	$\{\emptyset, 12378, 12467, 13457, 15678, 2356, 2458, 3468\}$
842:59	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{36} + e^{15}$	$1/293(130, 136, 133, 272, 266, 263, 402, 396)$	$\{\emptyset, 12378, 12678, 36\}$
842:60a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{36} + e^{25}$	$1/12(5, 6, 6, 10, 11, 11, 16, 17)$	$\{\emptyset, 12378, 12678, 1358, 1568, 23567, 257, 36\}$
842:60b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{36} + e^{25}$	$1/12(5, 6, 6, 10, 11, 11, 16, 17)$	$\{\emptyset, 12378, 12678, 1358, 1568, 23567, 257, 36\}$
842:61	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{26} + e^{35}$	$1/7(3, 3, 4, 6, 6, 7, 9, 10)$	$\{\emptyset, 12378, 1267, 1357, 15678, 2356, 258, 368\}$
842:62	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{26} + e^{35}$	$1/7(3, 3, 4, 6, 6, 7, 9, 10)$	$\{\emptyset, 12378, 1267, 135, 1568, 23567, 2578, 368\}$
842:63	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{15}, e^{25} + e^{16}$	$1/34(14, 17, 20, 25, 31, 34, 45, 48)$	$\{\emptyset, 12378, 13458, 2457\}$
842:64a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{15}, e^{36} + e^{25}$	$1/12(5, 6, 6, 10, 11, 11, 16, 17)$	$\{\emptyset, 12378, 124678, 13458, 1568, 23567, 2457, 346\}$
842:64b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34} + e^{15}, e^{36} + e^{25}$	$1/12(5, 6, 6, 10, 11, 11, 16, 17)$	$\{\emptyset, 12378, 124678, 13458, 1568, 23567, 2457, 346\}$
842:65	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{15}, e^{26} + e^{35}$	$1/12(5, 6, 6, 10, 11, 11, 16, 17)$	$\{\emptyset, 12378, 12467, 1345, 1568, 23567, 24578, 3468\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
842:66	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{36} + e^{15}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 124678, 346\}$
842:67	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{26} + e^{35}$	$1/13(7, 5, 6, 11, 12, 13, 17, 18)$	$\{\emptyset, 12378, 12467, 1357, 145678, 23456, 258, 3468\}$
842:71a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{24} + e^{36} + e^{15}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 12678, 36\}$
842:71b	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} - e^{14}, e^{24} + e^{36} + e^{15}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 12678, 36\}$
842:73	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{26} + e^{35} + e^{14}$	$1/13(6, 5, 7, 12, 11, 13, 17, 18)$	$\{1267, 135, 2578, 368\}$
842:74	$0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{24} + e^{15}, e^{25} + e^{34} + e^{16}$	$1/19(7, 10, 13, 14, 17, 20, 24, 27)$	see main article
842:75a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{15}, e^{36} + e^{25} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{124678, 13458, 2457, 346\}$
842:75b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34} + e^{15}, e^{36} + e^{25} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{124678, 13458, 2457, 346\}$
842:79a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{36} + e^{25} + e^{14}$	$2/7(1, 2, 2, 4, 3, 3, 4, 5)$	$\{123478, 13458, 234567, 346\}$
842:79b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{36} + e^{25} + e^{14}$	$2/7(1, 2, 2, 4, 3, 3, 4, 5)$	$\{123478, 13458, 234567, 346\}$
842:80	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{26} + e^{35} + e^{14}$	$1/16(5, 8, 10, 18, 13, 15, 18, 23)$	$\{123478, 135, 234567, 368\}$
842:81	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{34} + e^{16}$	$13/73(2, 3, 4, 4, 5, 6, 7, 8)$	$\{234567, 346\}$
842:84a	$0, 0, 0, 0, e^{12}, e^{13}, e^{36} + e^{25}, e^{26} + e^{35} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 12467, 13457, 15678, 2356, 2458, 3468\}$
842:84b	$0, 0, 0, 0, e^{12}, e^{13}, e^{36} - e^{25}, e^{26} + e^{35} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 12467, 13457, 15678, 2356, 2458, 3468\}$
842:85a	$0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{35}, e^{36} + e^{25} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 1268, 1358, 15678, 2356, 257, 367\}$
842:85b	$0, 0, 0, 0, -e^{12}, e^{13}, -e^{26} + e^{35}, e^{36} + e^{25} + e^{14}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 1268, 1358, 15678, 2356, 257, 367\}$
842:86	$0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{35}, e^{24} + e^{36} + e^{15}$	$1/61(27, 29, 28, 54, 56, 55, 84, 83)$	$\{\emptyset, 12378, 1268, 367\}$
842:87	$0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{35} + e^{14}, e^{24} + e^{36} + e^{15}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{1268, 367\}$
842:88	$0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{25} + e^{34} + e^{16}, e^{24} + e^{36} + e^{15}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	see main article
842:90	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{36}$	$1/5(4, 1, 2, 3, 5, 5, 6, 7)$	$\{123478, 12367, 134578, 13567, 23458, 2356, 348, 36\}$
842:92	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36} + e^{25}$	$1/21(8, 11, 8, 14, 19, 22, 27, 30)$	$\{\emptyset, 123478, 124678, 13458, 14568, 23567, 257, 36\}$
842:93	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{35} + e^{16}$	$2/7(1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 123478, 1267, 1356, 1458, 2357, 245678, 3468\}$
842:94	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{26} + e^{35}$	$1/9(4, 3, 6, 7, 7, 10, 11, 13)$	$\{\emptyset, 123478, 1267, 135, 14568, 23567, 24578, 3468\}$
842:96	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{36} + e^{14}$	$(0, 1, 0, 1, 1, 1, 1, 1)$	$\{123478, 12367, 13458, 1356\}$
842:97	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{36} + e^{15}$	$1/17(11, 4, 8, 10, 15, 18, 19, 26)$	$\{123478, 13567, 23458, 36\}$
842:98	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25} + e^{46}$	$1/17(8, 7, 14, 4, 15, 18, 23, 22)$	$\{123478, 123678, 13458, 13568\}$
842:99	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{46} + e^{15}$	$1/57(31, 20, 40, 21, 51, 61, 71, 82)$	$\{123478, 123678, 23458, 23568\}$
842:100	$0, 0, 0, 0, e^{12}, e^{34}, e^{36} + e^{15}, e^{25} + e^{46}$	$7/15(1, 1, 1, 1, 2, 2, 3, 3)$	$\{\emptyset, 123478, 13568, 24567\}$
842:101	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{13} + e^{25}, e^{35} + e^{16}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{123478, 13567, 235, 3468\}$
842:102	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{26} + e^{35} + e^{14}$	$1/8(4, 2, 5, 7, 6, 9, 10, 11)$	$\{123478, 1267, 135, 14568\}$
842:104	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15} + e^{23}, e^{16} + e^{45}$	$1/22(8, 11, 16, 13, 19, 24, 27, 32)$	$\{\emptyset, 1267, 1456, 2457\}$
842:105	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{35} + e^{16}$	$2/61(10, 18, 15, 23, 28, 33, 38, 43)$	$\{\emptyset, 2357, 245678, 3468\}$
842:106	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{15}, e^{26} + e^{35}$	$1/106(50, 38, 63, 75, 88, 113, 138, 151)$	$\{\emptyset, 23567, 24578, 3468\}$
842:108a	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{46} + e^{15} + e^{23}$	$5/23(2, 2, 4, 1, 4, 5, 6, 6)$	$\{123478, 123678, 23458, 23568\}$
842:108b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{13} + e^{25}, e^{15} + e^{23} + e^{46}$	$5/23(2, 2, 4, 1, 4, 5, 6, 6)$	$\{123478, 123678, 23458, 23568\}$
842:109	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{24} + e^{36} + e^{15}$	$3/5(1, 0, 0, 2, 1, 2, 1, 2)$	$\{123478, 23458\}$
842:110	$0, 0, 0, 0, e^{12}, e^{34}, e^{36} + e^{15}, e^{13} + e^{25} + e^{46}$	$7/23(2, 1, 2, 1, 3, 3, 5, 4)$	$\{123478, 13568\}$
842:113	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{13} + e^{25}, e^{24} + e^{35} + e^{16}$	$1/5(1, 2, 4, 5, 3, 6, 5, 7)$	$\{123478, 235\}$
842:115	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{34} + e^{15}, e^{16} + e^{23} + e^{45}$	$11/71(2, 4, 5, 3, 6, 7, 8, 9)$	$\{235678, 2457\}$
841:3	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}$	$1/21(12, 8, 12, 15, 20, 24, 27, 28)$	$\{\emptyset, 12348, 12378, 124678, 1268, 13458, 13578, 145678, 1568, 23456, 23567, 2457, 25, 346, 367, 47\}$
841:4	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}$	$1/8(2, 6, 7, 7, 8, 9, 9, 10)$	$\{\emptyset, 12348, 12378, 12468, 12678, 1345, 1357, 1456, 1567, 2345678, 23568, 24578, 258, 3467, 36, 47\}$
841:5	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}$	$1/15(6, 7, 12, 12, 13, 18, 18, 20)$	$\{\emptyset, 12348, 12378, 12468, 12678, 13458, 13578, 14568, 15678, 234567, 2356, 2457, 25, 3467, 36, 47\}$
841:6	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}$	$1/11(4, 6, 9, 8, 10, 13, 14, 14)$	$\{\emptyset, 12348, 12378, 12468, 12678, 13457, 135, 14567, 156, 234568, 235678, 2458, 2578, 3467, 36, 47\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
841:7	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}$	$1/41(16, 23, 30, 23, 39, 53, 46, 55)$	$\{123678, 12468, 13457, 15, 23458, 2578, 36, 467\}$
841:8	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34} + e^{15}$	$1/23(10, 13, 14, 19, 23, 24, 27, 33)$	$\{\emptyset, 1238, 124678, 13457, 156, 23568, 24578, 3467\}$
841:9	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}$	$1/14(5, 8, 10, 13, 13, 15, 18, 18)$	$\{\emptyset, 12348, 12678, 1357, 1456, 23568, 24578, 3467\}$
841:10	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}$	$1/31(13, 14, 24, 25, 27, 37, 38, 41)$	$\{\emptyset, 12348, 12678, 13578, 14568, 2356, 2457, 3467\}$
841:12	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{15}$	$5/14(1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 12378, 12468, 1345, 1567, 23568, 24578, 3467\}$
841:13	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}$	$1/31(14, 15, 22, 22, 29, 36, 36, 44)$	$\{\emptyset, 12378, 12468, 13578, 14568, 234567, 25, 3467\}$
841:14	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{15}$	$3/37(5, 7, 9, 8, 12, 14, 15, 17)$	$\{\emptyset, 12378, 12468, 13457, 156, 235678, 2458, 3467\}$
841:15	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14}$	$1/41(24, 15, 23, 30, 39, 47, 53, 54)$	$\{12348, 124678, 13458, 145678, 23456, 2457, 346, 47\}$
841:17	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{14}$	$1/16(8, 7, 11, 14, 15, 19, 18, 22)$	$\{\emptyset, 1238, 12678, 13578, 1568, 2356, 257, 367\}$
841:18	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}$	$1/11(4, 7, 8, 9, 11, 12, 13, 15)$	$\{\emptyset, 12468, 12678, 1456, 1567, 24578, 258, 47\}$
841:19	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}$	$1/23(9, 12, 18, 17, 21, 27, 29, 30)$	$\{\emptyset, 12468, 12678, 14567, 156, 2458, 2578, 47\}$
841:20	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{34} + e^{15}$	$1/24(10, 14, 15, 19, 24, 25, 29, 34)$	$\{\emptyset, 23568, 24578, 3467\}$
841:21	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25} + e^{34}$	$1/63(29, 30, 44, 45, 59, 73, 74, 89)$	$\{\emptyset, 13578, 14568, 3467\}$
841:22a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{24} + e^{13}, e^{15}$	$1/32(14, 14, 25, 25, 28, 39, 39, 42)$	$\{\emptyset, 12348, 12678, 1356, 1457, 23578, 24568, 3467\}$
841:22b	$0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{24} + e^{13}, e^{15}$	$1/32(14, 14, 25, 25, 28, 39, 39, 42)$	$\{\emptyset, 12348, 12678, 1356, 1457, 23578, 24568, 3467\}$
841:23	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{13} + e^{25}$	$1/40(23, 15, 30, 22, 38, 52, 45, 53)$	$\{123678, 13458, 23457, 36\}$
841:24	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{15}$	$1/17(7, 9, 12, 14, 16, 19, 21, 23)$	$\{\emptyset, 12678, 1357, 23568\}$
841:25a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{24} + e^{13}, e^{34} + e^{15}$	$15/64(2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 23578, 24568, 3467\}$
841:25b	$0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{24} + e^{13}, e^{34} + e^{15}$	$15/64(2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 23578, 24568, 3467\}$
841:29	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{16}$	$1/31(10, 17, 24, 26, 27, 34, 36, 44)$	$\{\emptyset, 12348, 12378, 13458, 13578, 2457, 25, 47\}$
841:30	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{16}$	$1/19(7, 10, 13, 14, 17, 20, 24, 27)$	$\{\emptyset, 12348, 12378, 134578, 1358, 245, 257, 47\}$
841:31a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{36} + e^{25}$	$1/20(8, 11, 11, 16, 19, 19, 24, 30)$	$\{\emptyset, 12348, 12378, 12468, 12678, 13458, 13578, 14568, 15678, 234567, 2356, 2457, 25, 3467, 36, 47\}$
841:31b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{36} + e^{25}$	$1/20(8, 11, 11, 16, 19, 19, 24, 30)$	$\{\emptyset, 12348, 12378, 12468, 12678, 13458, 13578, 14568, 15678, 234567, 2356, 2457, 25, 3467, 36, 47\}$
841:32	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}$	$1/20(8, 11, 11, 16, 19, 19, 24, 30)$	$\{\emptyset, 12348, 12378, 1246, 1267, 1345, 1357, 14568, 15678, 234567, 2356, 24578, 258, 34678, 368, 47\}$
841:33	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{15}$	$1/18(8, 10, 9, 13, 18, 17, 23, 26)$	$\{\emptyset, 12348, 12378, 12468, 12678, 3467, 36, 47\}$
841:34a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{25}$	$1/9(5, 4, 4, 7, 9, 9, 11, 13)$	$\{\emptyset, 12348, 12378, 12468, 12678, 134578, 1358, 145678, 1568, 23456, 23567, 245, 257, 3467, 36, 47\}$
841:34b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{36} + e^{25}$	$1/9(5, 4, 4, 7, 9, 9, 11, 13)$	$\{\emptyset, 12348, 12378, 12468, 12678, 134578, 1358, 145678, 1568, 23456, 23567, 245, 257, 3467, 36, 47\}$
841:35	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{35}$	$1/20(11, 8, 10, 16, 19, 21, 24, 29)$	$\{\emptyset, 12348, 12378, 1246, 1267, 13457, 135, 145678, 1568, 23456, 23567, 2458, 2578, 34678, 368, 47\}$
841:36	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25} + e^{16}$	$1/112(40, 59, 78, 97, 99, 118, 137, 158)$	$\{\emptyset, 12348, 13578, 2457\}$
841:37a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{36} + e^{25}$	$1/19(7, 11, 11, 15, 18, 18, 22, 29)$	$\{12378, 12468, 13458, 15678, 234567, 25, 36, 47\}$
841:37b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{36} + e^{25}$	$1/19(7, 11, 11, 15, 18, 18, 22, 29)$	$\{12378, 12468, 13458, 15678, 234567, 25, 36, 47\}$
841:38	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{26} + e^{35}$	$1/19(7, 11, 11, 15, 18, 18, 22, 29)$	$\{12378, 1246, 1345, 15678, 234567, 258, 368, 47\}$
841:39	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{36} + e^{15}$	$1/79(30, 56, 43, 60, 86, 73, 90, 116)$	$\{\emptyset, 12378, 12678, 36\}$
841:40a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{25} + e^{14}$	$1/17(10, 7, 7, 14, 17, 17, 21, 24)$	$\{12348, 12468, 134578, 145678, 23456, 245, 3467, 47\}$
841:40b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{36} + e^{25} + e^{14}$	$1/17(10, 7, 7, 14, 17, 17, 21, 24)$	$\{12348, 12468, 134578, 145678, 23456, 245, 3467, 47\}$
841:41	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{35} + e^{14}$	$1/19(11, 7, 9, 16, 18, 20, 23, 27)$	$\{12348, 1267, 135, 145678, 23456, 2578, 368, 47\}$
841:44	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{36} + e^{15}$	$1/29(13, 17, 15, 26, 30, 28, 32, 43)$	$\{\emptyset, 1238, 12678, 367\}$
841:46	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{36} + e^{15}$	$53/401(3, 5, 4, 6, 8, 7, 9, 11)$	$\{\emptyset, 12678\}$
841:49	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{36} + e^{15}$	$1/11(5, 7, 5, 7, 12, 12, 10, 17)$	$\{123478, 12468, 13567, 15, 23458, 245678, 36, 7\}$
841:50	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{36} + e^{25}$	$1/47(30, 20, 19, 32, 50, 51, 49, 70)$	$\{\emptyset, 12348, 124678, 13458, 145678, 23567, 25, 367\}$
841:51	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{46} + e^{25}$	$1/28(16, 13, 16, 13, 29, 29, 32, 42)$	$\{\emptyset, 12348, 12368, 13458, 13568, 2456, 25, 46\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
841:52	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{36} + e^{15}$	$13/25(1, 1, 1, 1, 2, 2, 2, 3)$	$\{12468, 15, 23458, 36\}$
841:53	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{36} + e^{15}$	$1/29(12, 19, 12, 19, 31, 31, 31, 43)$	$\{\emptyset, 12348, 13567, 245678\}$
841:54	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{13}, e^{35} + e^{16}$	$1/19(7, 11, 11, 15, 18, 22, 18, 29)$	$\{123478, 126, 13567, 1458, 235, 245678, 3468, 7\}$
841:55	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13}, e^{45} + e^{26}$	$1/12(6, 5, 8, 7, 11, 13, 14, 18)$	$\{\emptyset, 12348, 1267, 13568, 1457, 23578, 2456, 34678\}$
841:56	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34}, e^{35} + e^{16}$	$1/13(5, 8, 6, 9, 13, 14, 15, 19)$	$\{\emptyset, 12348, 126, 13567, 14578, 2357, 245678, 3468\}$
841:57	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{46} + e^{15} + e^{23}$	$1/43(15, 32, 30, 16, 47, 46, 45, 62)$	$\{12348, 12368, 234578, 235678\}$
841:58	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{24} + e^{36} + e^{15}$	$3/8(1, 2, 1, 2, 3, 3, 2, 4)$	$\{123478, 12468, 23458, 245678\}$
841:60a	$0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{12}, e^{26} + e^{15}$	$1/11(5, 5, 7, 7, 12, 12, 10, 17)$	$\{123478, 12567, 135, 1468, 236, 2458, 345678, 7\}$
841:60b	$0, 0, 0, 0, -e^{14} + e^{23}, e^{24} + e^{13}, e^{12}, e^{26} + e^{15}$	$1/11(5, 5, 7, 7, 12, 12, 10, 17)$	$\{123478, 12567, 135, 1468, 236, 2458, 345678, 7\}$
841:61a	$0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{12}, e^{46} + e^{35}$	$1/28(16, 16, 13, 13, 29, 29, 32, 42)$	$\{\emptyset, 12348, 12568, 1357, 1467, 23678, 24578, 3456\}$
841:61b	$0, 0, 0, 0, e^{14} - e^{23}, e^{24} + e^{13}, e^{12}, e^{35} + e^{46}$	$1/28(16, 16, 13, 13, 29, 29, 32, 42)$	$\{\emptyset, 12348, 12568, 1357, 1467, 23678, 24578, 3456\}$
841:62	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{46} + e^{15} + e^{23}$	$19/53(1, 2, 2, 1, 3, 3, 3, 4)$	$\{12348, 235678\}$
841:63	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{13}, e^{24} + e^{35} + e^{16}$	$1/16(5, 10, 9, 14, 15, 19, 14, 24)$	$\{123478, 126, 235, 245678\}$
841:64	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34}, e^{26} + e^{35} + e^{14}$	$1/12(8, 4, 5, 9, 12, 13, 14, 17)$	$\{12348, 126, 1357, 145678\}$
841:66a	$0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{12}, e^{26} + e^{34} + e^{15}$	$3/8(1, 1, 2, 2, 3, 3, 2, 4)$	$\{123478, 135, 236, 345678\}$
841:66b	$0, 0, 0, 0, -e^{14} + e^{23}, e^{24} + e^{13}, e^{12}, e^{26} + e^{34} + e^{15}$	$3/8(1, 1, 2, 2, 3, 3, 2, 4)$	$\{123478, 135, 236, 345678\}$
841:67a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{36} + e^{25} + e^{17}$	$1/19(7, 11, 11, 15, 18, 18, 22, 29)$	$\{\emptyset, 12348, 12468, 13458, 14568, 2356, 25, 36\}$
841:67b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{36} + e^{25} + e^{17}$	$1/19(7, 11, 11, 15, 18, 18, 22, 29)$	$\{\emptyset, 12348, 12468, 13458, 14568, 2356, 25, 36\}$
841:68	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35} + e^{17}$	$1/19(7, 11, 11, 15, 18, 18, 22, 29)$	$\{\emptyset, 12348, 1267, 1357, 14568, 2356, 24578, 34678\}$
841:69	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{27} + e^{15}$	$1/281(156, 118, 137, 194, 274, 293, 312, 430)$	$\{\emptyset, 12348, 12468, 36\}$
841:70a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{47} + e^{36} + e^{25}$	$1/5(2, 3, 3, 3, 5, 5, 5, 8)$	$\{\emptyset, 12348, 12378, 12468, 12678, 13458, 13578, 14568, 15678, 234567, 2356, 2457, 25, 3467, 36, 47\}$
841:70b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{36} + e^{25} + e^{47}$	$1/5(2, 3, 3, 3, 5, 5, 5, 8)$	$\{\emptyset, 12348, 12378, 12468, 12678, 13458, 13578, 14568, 15678, 234567, 2356, 2457, 25, 3467, 36, 47\}$
841:71	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{47} + e^{26} + e^{35}$	$1/5(2, 3, 3, 3, 5, 5, 5, 8)$	$\{\emptyset, 12348, 12378, 14568, 15678, 234567, 2356, 47\}$
841:72a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{15} + e^{47}$	$1/89(44, 50, 47, 44, 94, 91, 94, 138)$	$\{\emptyset, 12348, 12378, 12468, 12678, 3467, 36, 47\}$
841:72b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{47} + e^{36} + e^{15}$	$1/89(44, 50, 47, 44, 94, 91, 94, 138)$	$\{\emptyset, 12348, 12378, 12468, 12678, 3467, 36, 47\}$
841:73	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{36} + e^{17} + e^{45}$	$1/9(4, 5, 5, 5, 9, 9, 10, 14)$	$\{\emptyset, 12348, 12468, 1358, 1568, 23456, 245, 36\}$
841:75a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{45} + e^{27} + e^{16}$	$1/11(5, 5, 7, 7, 10, 12, 12, 17)$	$\{\emptyset, 12348, 1267, 13578, 1456, 23568, 2457, 34678\}$
841:75b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, e^{27} + e^{16} + e^{45}$	$1/11(5, 5, 7, 7, 10, 12, 12, 17)$	$\{\emptyset, 12348, 1267, 13578, 1456, 23568, 2457, 34678\}$
841:76	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{46} + e^{25} + e^{37}$	$1/100(46, 56, 51, 61, 102, 97, 107, 158)$	$\{\emptyset, 12348, 12678, 3467\}$
841:77	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{37} + e^{26} + e^{15}$	$1/179(97, 83, 90, 104, 180, 194, 187, 277)$	$\{\emptyset, 12348, 1278, 347\}$
841:79a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{24} + e^{13}, e^{47} + e^{36} + e^{15}$	$13/25(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12348, 12678, 1356, 1457, 23578, 24568, 3467\}$
841:79b	$0, 0, 0, 0, e^{12}, e^{14} - e^{23}, e^{24} + e^{13}, e^{36} + e^{15} + e^{47}$	$13/25(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12348, 12678, 1356, 1457, 23578, 24568, 3467\}$
841:79c	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{24} + e^{13}, e^{47} + e^{36} + e^{15}$	$13/25(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12348, 12678, 1356, 1457, 23578, 24568, 3467\}$
841:80a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{24} + e^{13}, e^{37} + e^{15} + e^{46}$	$13/25(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12348, 12678, 3467\}$
841:80b	$0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{24} + e^{13}, e^{46} + e^{37} + e^{15}$	$13/25(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12348, 12678, 3467\}$
84:1	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}$	$1/8(4, 5, 5, 6, 9, 9, 10, 10)$	$\{\emptyset, 1234, 1238, 12467, 12678, 13457, 13578, 1456, 1568, 234568, 2356, 24578, 257, 34678, 367, 48\}$
84:2	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}$	$3/5(1, 1, 1, 1, 2, 2, 2, 2)$	$\{\emptyset, 1234, 12378, 12468, 1267, 13457, 1358, 145678, 156, 23456, 235678, 2458, 257, 3467, 368, 478\}$
84:3	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}$	$1/9(5, 5, 6, 6, 10, 11, 11, 11)$	$\{\emptyset, 1234, 12678, 1358, 14567, 23567, 2458, 34678\}$
84:4a	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{24} + e^{13}$	$3/5(1, 1, 1, 1, 2, 2, 2, 2)$	$\{\emptyset, 1234, 1278, 13567, 14568, 23568, 24567, 3478\}$
84:4b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{14} + e^{23}, e^{24} + e^{13}$	$3/5(1, 1, 1, 1, 2, 2, 2, 2)$	$\{\emptyset, 1234, 1278, 13567, 14568, 23568, 24567, 3478\}$
8321:5	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{45} + e^{17} + e^{23}$	$1/24(7, 15, 21, 18, 18, 22, 29, 36)$	$\{\emptyset, 123457, 1237, 13468, 13568, 24678, 25678, 45\}$
8321:8	$0, 0, 0, 0, 0, -e^{12}, e^{16} + e^{23}, e^{36} + e^{17} + e^{45}$	$1/9(3, 5, 6, 7, 7, 8, 11, 14)$	$\{\emptyset, 12457, 127, 1468, 1568, 24678, 25678, 45\}$
832:6	$0, 0, 0, 0, 0, e^{12}, e^{34} + e^{16}, e^{26} + e^{35}$	$1/15(7, 7, 9, 12, 12, 14, 21, 21)$	$\{\emptyset, 12378, 124578, 13468, 1568, 23567, 2467, 345\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	g	N	Signatures S
832:8	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{13} + e^{26} + e^{45}$	$1/41(16, 21, 42, 29, 29, 37, 53, 58)$	$\{123478, 123578, 13468, 13568, 234567, 2367, 3, 345\}$
832:9	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{26}, e^{45} + e^{16}$	$1/27(13, 12, 24, 19, 19, 25, 37, 38)$	$\{\emptyset, 12478, 12578, 14567, 167, 2468, 2568, 45\}$
832:10	$0, 0, 0, 0, 0, e^{12}, e^{34} + e^{16}, e^{13} + e^{26} + e^{45}$	$1/14(7, 6, 12, 8, 11, 13, 20, 19)$	$\{123578, 13468, 2367, 345\}$
832:12	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{26}, e^{24} + e^{35} + e^{16}$	$1/19(10, 7, 14, 20, 13, 17, 24, 27)$	$\{123478, 134567, 23468, 345\}$
832:13	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{35} + e^{16}, e^{13} + e^{26} + e^{45}$	$5/11(1, 1, 2, 2, 1, 2, 3, 3)$	$\{123478, 345\}$
831:9	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}$	$1/21(8, 14, 12, 15, 18, 22, 27, 30)$	$\{\emptyset, 12348, 12378, 124578, 1258, 13456, 13567, 1467, 16, 23468, 23678, 245678, 2568, 345, 357, 47\}$
831:11	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{26}$	$1/21(12, 8, 18, 15, 15, 20, 30, 28)$	$\{\emptyset, 123458, 1238, 12478, 12578, 134568, 1368, 14678, 15678, 23467, 23567, 2456, 26, 347, 357, 45\}$
831:14	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{45}$	$1/11(4, 8, 9, 8, 8, 12, 13, 16)$	$\{\emptyset, 12348, 12358, 12478, 12578, 13456, 136, 14567, 167, 234678, 235678, 2468, 2568, 3457, 37, 45\}$
831:15	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{26}$	$1/4(2, 2, 3, 3, 3, 4, 5, 6)$	$\{\emptyset, 12348, 12358, 12478, 12578, 13468, 13568, 14678, 15678, 234567, 2367, 2456, 26, 3457, 37, 45\}$
831:18	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{34} + e^{16}$	$1/41(16, 27, 36, 23, 29, 43, 52, 59)$	$\{123578, 12458, 13467, 16, 2368, 24678, 345, 57\}$
831:19	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{26} + e^{34}$	$1/27(16, 11, 21, 17, 20, 27, 37, 38)$	$\{\emptyset, 1238, 12478, 1368, 14678, 23467, 26, 347\}$
831:22	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{35} + e^{16}$	$1/37(15, 23, 24, 32, 29, 38, 47, 53)$	$\{\emptyset, 12348, 12578, 13567, 146, 2368, 245678, 3457\}$
831:23	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26} + e^{45}$	$1/41(28, 15, 30, 23, 35, 43, 53, 58)$	$\{12348, 123578, 13468, 135678, 23456, 2367, 345, 37\}$
831:24	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{13} + e^{26}$	$1/41(24, 15, 30, 35, 29, 39, 59, 54)$	$\{123458, 12378, 134568, 13678, 23467, 2356, 347, 35\}$
831:25	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{16} + e^{23}$	$1/41(18, 23, 36, 27, 27, 41, 54, 59)$	$\{12458, 128, 1456, 16, 24678, 25678, 47, 57\}$
831:27	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{35} + e^{14}$	$1/23(12, 11, 15, 22, 19, 23, 27, 34)$	$\{\emptyset, 1238, 12578, 1368, 15678, 23567, 26, 357\}$
831:28	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{16} + e^{23}$	$1/23(9, 16, 18, 17, 17, 25, 27, 34)$	$\{\emptyset, 12478, 12578, 14567, 167, 2468, 2568, 45\}$
831:29	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{35} + e^{16}$	$1/16(7, 10, 11, 14, 13, 17, 18, 24)$	$\{\emptyset, 1238, 12578, 1356, 167, 23678, 2568, 357\}$
831:30	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{26} + e^{15}$	$1/16(8, 7, 13, 14, 14, 15, 21, 22)$	$\{\emptyset, 12348, 1278, 1368, 14678, 2367, 246, 347\}$
831:32	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{24} + e^{35} + e^{16}$	$1/19(7, 13, 17, 14, 10, 20, 24, 27)$	$\{123478, 12458, 345, 47\}$
831:33	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{26} + e^{35} + e^{14}$	$1/38(23, 16, 25, 32, 30, 39, 48, 55)$	$\{\emptyset, 12578, 1368, 23567\}$
831:34	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{26} + e^{34} + e^{15}$	$1/13(7, 6, 9, 10, 12, 13, 16, 19)$	$\{\emptyset, 1368, 14678, 347\}$
831:41	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{26} + e^{17}$	$1/68(28, 39, 50, 53, 53, 67, 78, 106)$	$\{\emptyset, 12348, 12358, 13468, 13568, 2456, 26, 45\}$
831:42a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{37} + e^{26} + e^{45}$	$1/20(10, 11, 11, 16, 16, 21, 21, 32)$	$\{\emptyset, 12348, 12358, 12478, 12578, 13468, 13568, 14678, 15678, 234567, 2367, 2456, 26, 3457, 37, 45\}$
831:42b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{45} + e^{37} + e^{26}$	$1/20(10, 11, 11, 16, 16, 21, 21, 32)$	$\{\emptyset, 12348, 12358, 12478, 12578, 13468, 13568, 14678, 15678, 234567, 2367, 2456, 26, 3457, 37, 45\}$
831:43	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{36} + e^{27} + e^{45}$	$1/20(10, 11, 11, 16, 16, 21, 21, 32)$	$\{\emptyset, 12348, 12358, 12457, 127, 13456, 136, 14678, 15678, 234567, 2367, 2468, 2568, 3478, 3578, 45\}$
831:47	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{37} + e^{26} + e^{15}$	$1/39(24, 18, 17, 26, 36, 42, 43, 60)$	$\{\emptyset, 12348, 12478, 13468, 14678, 2367, 26, 37\}$
831:50	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{36} + e^{27} + e^{15}$	$1/19(11, 7, 11, 15, 18, 18, 22, 29)$	$\{\emptyset, 12348, 1257, 1356, 14678, 2367, 24568, 34578\}$
831:51	$0, 0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{46} + e^{35} + e^{17}$	$1/7(3, 4, 5, 4, 6, 7, 8, 11)$	$\{\emptyset, 12348, 127, 1368, 1467, 23678, 246, 3478\}$
831:53a	$0, 0, 0, 0, 0, e^{13}, e^{12} + e^{34}, e^{37} + e^{26} + e^{15}$	$1/11(7, 5, 5, 7, 10, 12, 12, 17)$	$\{\emptyset, 12348, 1256, 1357, 14678, 2367, 24578, 34568\}$
831:53b	$0, 0, 0, 0, 0, -e^{24} + e^{13}, e^{12} + e^{34}, e^{37} + e^{26} + e^{15}$	$1/11(7, 5, 5, 7, 10, 12, 12, 17)$	$\{\emptyset, 12348, 1256, 1357, 14678, 2367, 24578, 34568\}$
831:54a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{12} + e^{34}, e^{36} + e^{27} + e^{15}$	$1/11(7, 5, 5, 7, 10, 12, 12, 17)$	$\{\emptyset, 12348, 1268, 1378, 14678, 2367, 247, 346\}$
831:54b	$0, 0, 0, 0, 0, e^{24} - e^{13}, e^{12} + e^{34}, e^{36} + e^{27} + e^{15}$	$1/11(7, 5, 5, 7, 10, 12, 12, 17)$	$\{\emptyset, 12348, 1268, 1378, 14678, 2367, 247, 346\}$
831:55	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{25}, e^{27} + e^{16}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 123458, 1267, 136, 14578, 237, 24568, 345678\}$
83:9	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}$	$1/8(4, 5, 6, 7, 6, 9, 10, 11)$	$\{\emptyset, 12345, 1238, 12457, 1278, 1346, 13568, 1467, 15678, 234678, 23567, 2468, 256, 34578, 37, 458\}$
83:10	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{45}$	$1/13(7, 9, 9, 9, 9, 16, 16, 18)$	$\{\emptyset, 123, 12345, 12478, 12578, 13468, 13568, 14567, 167, 234567, 2367, 2468, 2568, 3478, 3578, 45\}$
83:11	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{35}$	$1/5(3, 3, 3, 4, 4, 6, 6, 7)$	$\{\emptyset, 12345, 1238, 1247, 12578, 13468, 1356, 145678, 167, 234567, 23678, 246, 2568, 3478, 357, 458\}$

Table A.1 – Continued to next page

Table A.1 – Continued from previous page

Name	\mathfrak{g}	N	Signatures \mathbf{S}
83:12	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}$	$1/13(9, 7, 8, 9, 10, 16, 17, 17)$	$\{\emptyset, 12345, 12357, 12478, 128, 1346, 1367, 145678, 1568, 23468, 23678, 24567, 256, 3458, 3578, 47\}$
83:13	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{25}$	$1/9(5, 5, 7, 7, 7, 10, 12, 12)$	$\{\emptyset, 12345, 1278, 1367, 14568, 2368, 24567, 34578\}$
83:14	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{45}$	$1/14(9, 8, 10, 9, 10, 17, 18, 19)$	$\{\emptyset, 12345, 12578, 1367, 1468, 23568, 24567, 3478\}$
83:15	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{15}$	$1/11(6, 7, 8, 7, 9, 13, 14, 15)$	$\{\emptyset, 12345, 1257, 1368, 14678, 235678, 24568, 347\}$
83:16a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{12} + e^{34}, e^{15}$	$1/7(4, 5, 5, 4, 5, 9, 9, 9)$	$\{\emptyset, 12345, 12348, 1256, 1268, 1357, 1378, 14567, 14678, 235678, 2367, 24578, 247, 34568, 346, 58\}$
83:16b	$0, 0, 0, 0, 0, e^{24} - e^{13}, e^{12} + e^{34}, e^{15}$	$1/7(4, 5, 5, 4, 5, 9, 9, 9)$	$\{\emptyset, 12345, 12348, 1256, 1268, 1357, 1378, 14567, 14678, 235678, 2367, 24578, 247, 34568, 346, 58\}$
83:17	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{23} + e^{45}$	$1/16(10, 10, 11, 11, 10, 20, 21, 21)$	$\{\emptyset, 12345, 1237, 1248, 12578, 3478, 358, 457\}$
83:18a	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{12} + e^{35}$	$1/15(10, 10, 9, 9, 11, 19, 19, 20)$	$\{\emptyset, 12345, 1267, 1368, 14578, 2378, 24568, 34567\}$
83:18b	$0, 0, 0, 0, 0, -e^{14} + e^{23}, e^{24} + e^{13}, e^{12} + e^{35}$	$1/15(10, 10, 9, 9, 11, 19, 19, 20)$	$\{\emptyset, 12345, 1267, 1368, 14578, 2378, 24568, 34567\}$
83:19	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{25}, e^{45} + e^{12}$	$11/17(1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 12345, 1267, 34567\}$
83:20	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{15} + e^{23}, e^{25} + e^{14}$	$1/7(4, 4, 5, 5, 5, 9, 9, 9)$	$\{\emptyset, 12345, 12678, 345678\}$
821:5	$0, 0, 0, 0, 0, 0, e^{12}, e^{56} + e^{34} + e^{17}$	$1/15(7, 10, 12, 12, 12, 12, 17, 24)$	$\{\emptyset, 12358, 12368, 12458, 12468, 134567, 1347, 1567, 17, 23578, 23678, 24578, 24678, 34, 3456, 56\}$
82:8	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13} + e^{56}$	$1/8(5, 5, 7, 7, 6, 6, 10, 12)$	$\{\emptyset, 1234, 123456, 1258, 1268, 13567, 137, 14578, 14678, 23578, 23678, 24567, 247, 3458, 3468, 56\}$
82:9	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{56} + e^{12}$	$1/13(9, 9, 10, 10, 9, 9, 19, 18)$	$\{\emptyset, 1234, 123456, 12567, 127, 1358, 1368, 14578, 14678, 23578, 23678, 2458, 2468, 34567, 347, 56\}$
82:10	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{26} + e^{15}$	$1/5(3, 3, 4, 4, 4, 4, 7, 7)$	$\{\emptyset, 123456, 12348, 12567, 1278, 135, 1368, 1457, 14678, 23578, 2367, 2458, 246, 345678, 347, 568\}$
82:11a	$0, 0, 0, 0, 0, 0, e^{12} + e^{34}, e^{56} + e^{24} + e^{13}$	$5/7(1, 1, 1, 1, 1, 2, 2)$	$\{\emptyset, 1234, 123456, 1258, 1268, 13567, 137, 14578, 14678, 23578, 23678, 24567, 247, 3458, 3468, 56\}$
82:11b	$0, 0, 0, 0, 0, 0, -e^{12} + e^{34}, e^{24} + e^{13} + e^{56}$	$5/7(1, 1, 1, 1, 1, 2, 2)$	$\{\emptyset, 1234, 123456, 1258, 1268, 13567, 137, 14578, 14678, 23578, 23678, 24567, 247, 3458, 3468, 56\}$
82:12	$0, 0, 0, 0, 0, 0, e^{12} + e^{34}, e^{46} + e^{13} + e^{25}$	$1/11(8, 7, 8, 7, 9, 9, 15, 16)$	$\{\emptyset, 123456, 1268, 137, 14578, 23678, 24567, 3458\}$
82:13	$0, 0, 0, 0, 0, 0, e^{13} + e^{25} + e^{46}, e^{12} + e^{34} + e^{56}$	$5/7(1, 1, 1, 1, 1, 2, 2)$	$\{\emptyset, 123456, 14578, 23678\}$

End of Table A.1

A.2 Nice nilpotent Lie algebras of dimension 9 with M_Δ surjective

Table A.2: Irreducible nice nilpotent Lie algebras of dimension 9 with M_Δ surjective that admit a diagonal nilsoliton metric of type Nil4

Name	\mathfrak{g}	N	Signatures \mathbf{S}
97654321:1	$0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{17}, e^{18}$	$1/86(2, 79, 81, 83, 85, 87, 89, 91, 93)$	$\{\emptyset, 12468, 13579, 23456789\}$
97654321:2	$0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{17}, e^{23} + e^{18}$	$77/765(1, 6, 7, 8, 9, 10, 11, 12, 13)$	$\{134689, 45678\}$
9764321:1	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{16}, e^{17}, e^{18}$	$1/247(23, 154, 177, 200, 331, 223, 246, 269, 292)$	$\{12568, 134579, 23, 46789\}$
9764321:2	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{16}, e^{17}, e^{25} + e^{18}$	$91/1107(2, 5, 7, 9, 12, 11, 13, 15, 17)$	$\{123479, 168\}$
976421:1	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{16}, e^{18}$	$1/351(61, 139, 200, 261, 339, 322, 478, 383, 444)$	$\{123679, 148, 25, 3456789\}$
976421:4	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{16}, e^{27} + e^{18}$	$49/653(3, 4, 7, 10, 11, 13, 15, 16, 19)$	$\{148, 3456789\}$
97642:8	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{16}, e^{27}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{12367, 148, 259, 3456789\}$
9654321:2	$0, 0, 0, e^{12}, e^{14}, e^{15}, e^{16}, e^{17}, e^{23} + e^{18}$	$1/65(7, 44, 42, 51, 58, 65, 72, 79, 86)$	$\{124689, 157, 29, 45678\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
965321:2	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15}, e^{17}, e^{18}$	$1/509(68, 281, 562, 349, 417, 630, 485, 553, 621)$	$\{123568, 134679, 2345789, 3\}$
965321:3	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{17}, e^{18} + e^{23}$	$2/177(14, 47, 70, 61, 75, 108, 89, 103, 117)$	$\{\emptyset, 123568, 134679, 245789\}$
965321:5	$0, 0, 0, e^{12}, e^{14}, e^{13} + e^{24}, e^{15}, e^{17}, e^{18} + e^{23}$	$14/153(2, 5, 10, 7, 9, 12, 11, 13, 15)$	$\{123568, 134679\}$
964321:1	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{17}, e^{18}$	$1/38(2, 33, 37, 35, 39, 37, 39, 41, 43)$	$\{\emptyset, 12368, 12568, 13479, 14579, 23456789, 246789, 35\}$
964321:2	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27}, e^{28}$	$1/139(96, 14, 91, 110, 187, 124, 138, 152, 166)$	$\{123479, 124579, 13, 15, 23568, 268, 3456789, 46789\}$
964321:3	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{17}, e^{35} + e^{18}$	$7/569(8, 66, 49, 74, 57, 82, 90, 98, 106)$	$\{123689, 125689, 2345678, 24678\}$
964321:4	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27}, e^{35} + e^{28}$	$1/99(64, 14, 35, 78, 99, 92, 106, 120, 134)$	$\{\emptyset, 1346789, 1456789, 35\}$
964321:5	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{17}, e^{23} + e^{18}$	$1/53(8, 33, 40, 41, 48, 49, 57, 65, 73)$	$\{123568, 134579, 2456789, 5\}$
964321:6	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27}, e^{28} + e^{15}$	$1/107(45, 22, 65, 67, 110, 89, 111, 133, 155)$	$\{123479, 15, 268, 3456789\}$
964321:7	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{17}, e^{24} + e^{18}$	$1/109(16, 64, 101, 80, 117, 96, 112, 128, 144)$	$\{\emptyset, 13479, 14579, 35\}$
964321:11a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{17}, e^{18} + e^{35} + e^{24}$	$49/313(1, 4, 4, 5, 5, 6, 7, 8, 9)$	$\{123689, 125689, 2345678, 24678\}$
964321:11b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{17}, e^{18} + e^{35} + e^{24}$	$49/313(1, 4, 4, 5, 5, 6, 7, 8, 9)$	$\{123689, 125689, 2345678, 24678\}$
964321:13	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27}, e^{28} + e^{14} + e^{35}$	$49/641(8, 2, 5, 10, 13, 12, 14, 16, 18)$	$\{\emptyset, 35\}$
96531:2	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{13} + e^{26}, e^{17}$	$13/111(2, 3, 9, 5, 7, 8, 9, 11, 11)$	$\{12569, 134678, 245789, 3\}$
96531:3	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{26}, e^{23} + e^{17}$	$1/657(156, 235, 624, 391, 547, 626, 703, 861, 859)$	$\{\emptyset, 12569, 14678, 245789\}$
96531:6	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{26} + e^{13}, e^{23} + e^{17}$	$91/1089(3, 4, 12, 7, 10, 11, 13, 15, 16)$	$\{12569, 245789\}$
96421:1	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16}, e^{18}$	$1/69(6, 57, 43, 63, 49, 69, 92, 75, 81)$	$\{\emptyset, 123679, 125679, 13478, 14578, 2345689, 24689, 35\}$
96421:2	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{28}$	$1/141(90, 21, 49, 111, 139, 132, 188, 153, 174)$	$\{\emptyset, 123679, 125679, 1346789, 1456789, 23458, 248, 35\}$
96421:3	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{18}$	$1/13(1, 11, 12, 12, 13, 13, 14, 14, 15)$	$\{\emptyset, 123679, 12569, 13478, 1458, 23456789, 24689, 357\}$
96421:4	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26}, e^{28}$	$1/13(5, 3, 8, 8, 13, 11, 18, 14, 17)$	$\{123478, 12458, 137, 15, 235679, 269, 3456789, 4689\}$
96421:5	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{18}$	$1/297(48, 167, 273, 215, 321, 263, 382, 311, 359)$	$\{\emptyset, 123679, 125679, 13478, 14578, 2345689, 24689, 35\}$
96421:6	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{28}$	$1/16(8, 3, 12, 11, 20, 14, 19, 17, 20)$	$\{\emptyset, 123679, 125679, 134689, 145689, 234578, 2478, 35\}$
96421:7	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, e^{16}, e^{18}$	$1/31(7, 14, 24, 21, 31, 28, 38, 35, 42)$	$\{134578, 148, 37, 5\}$
96421:8	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{26}, e^{28}$	$1/19(3, 6, 16, 9, 19, 15, 22, 21, 27)$	$\{123478, 12458, 235679, 269\}$
96421:10a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16}, e^{18}$	$1/97(13, 64, 64, 77, 77, 90, 141, 103, 116)$	$\{\emptyset, 123679, 125679, 13478, 14578, 2345689, 24689, 35\}$
96421:10b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{35} + e^{24}, e^{16}, e^{18}$	$1/97(13, 64, 64, 77, 77, 90, 141, 103, 116)$	$\{\emptyset, 123679, 125679, 13478, 14578, 2345689, 24689, 35\}$
96421:12	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{35}, e^{26}, e^{28}$	$2/63(19, 5, 12, 24, 31, 29, 43, 34, 39)$	$\{\emptyset, 123679, 125679, 35\}$
96421:14	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{35} + e^{18}$	$1/217(34, 164, 133, 198, 167, 232, 201, 266, 300)$	$\{12369, 125679, 35, 7\}$
96421:16	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{15} + e^{28}$	$1/59(29, 13, 23, 42, 52, 55, 75, 68, 81)$	$\{124578, 157, 23569, 345689\}$
96421:17	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{26}, e^{28}$	$3/14(2, 1, 4, 3, 6, 4, 5, 5, 6)$	$\{123679, 134689, 234578, 35\}$
96421:19	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{16}, e^{18}$	$11/461(7, 23, 39, 30, 46, 37, 53, 44, 51)$	$\{125679, 14578, 2345689, 35\}$
96421:20	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{16}, e^{18} + e^{35}$	$21/173(2, 4, 5, 6, 7, 8, 9, 10, 12)$	$\{134578, 148\}$
96421:22	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{35} + e^{18}$	$8/151(4, 10, 11, 14, 15, 18, 24, 22, 26)$	$\{\emptyset, 123679, 125679, 35\}$
96421:23a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{35} + e^{28}$	$4/17(2, 1, 2, 3, 4, 4, 5, 5, 6)$	$\{\emptyset, 123679, 125679, 134689, 145689, 234578, 2478, 35\}$
96421:23b	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{35} + e^{28}$	$4/17(2, 1, 2, 3, 4, 4, 5, 5, 6)$	$\{\emptyset, 123679, 125679, 134689, 145689, 234578, 2478, 35\}$
96421:24	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16}, e^{18} + e^{24}$	$4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)$	$\{\emptyset, 123679, 125679, 35\}$
96421:25	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{28} + e^{14}$	$4/843(117, 39, 82, 156, 199, 195, 281, 234, 273)$	$\{\emptyset, 123679, 125679, 35\}$
96421:32	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{18} + e^{23}$	$7/513(15, 37, 60, 52, 75, 67, 89, 82, 97)$	$\{\emptyset, 125679, 14578, 24689\}$
96421:33a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16}, e^{18} + e^{23}$	$49/313(1, 4, 4, 5, 5, 6, 9, 7, 8)$	$\{\emptyset, 125679, 14578, 24689\}$
96421:33b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16}, e^{23} + e^{18}$	$49/313(1, 4, 4, 5, 5, 6, 9, 7, 8)$	$\{\emptyset, 125679, 14578, 24689\}$
96421:35	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{15} + e^{28}$	$1/72(28, 19, 48, 47, 76, 66, 75, 85, 104)$	$\{12458, 157, 23569, 3456789\}$
96421:36	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{24} + e^{18}$	$1/69(13, 39, 56, 52, 69, 65, 82, 78, 91)$	$\{\emptyset, 123679, 12569, 357\}$
96421:37	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26}, e^{28} + e^{14}$	$1/77(39, 13, 38, 52, 77, 65, 116, 78, 91)$	$\{137, 15, 235679, 269\}$
96421:38a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{26}, e^{28} + e^{35}$	$4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)$	$\{123679, 134689, 234578, 35\}$
96421:38b	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{26}, e^{28} + e^{35}$	$4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)$	$\{123679, 134689, 234578, 35\}$
96421:39	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{16}, e^{18} + e^{35}$	$44/511(3, 5, 7, 8, 10, 11, 13, 14, 17)$	$\{125679, 35\}$
96421:40	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{14}, e^{26}, e^{28} + e^{15}$	$51/701(7, 3, 5, 10, 12, 13, 17, 16, 19)$	$\{124578, 345689\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
96421:48	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{27} + e^{18}$	$1/71(18, 27, 62, 45, 80, 63, 72, 81, 99)$	$\{\emptyset, 2345689, 24689, 35\}$
96421:49	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{17} + e^{28}$	$2/143(27, 18, 58, 45, 85, 63, 72, 81, 99)$	$\{\emptyset, 134689, 145689, 35\}$
96421:50	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{16}, e^{18} + e^{23}$	$77/757(2, 5, 8, 7, 10, 9, 12, 11, 13)$	$\{\emptyset, 24689\}$
96421:51	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{26}, e^{15} + e^{28}$	$21/232(4, 3, 8, 7, 12, 10, 11, 13, 16)$	$\{12458, 157\}$
96421:52	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, e^{16}, e^{18} + e^{24}$	$(0, 0, 1, 0, 1, 0, 1, 0, 0)$	$\{135679, 169\}$
96421:53	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{26}, e^{28} + e^{14}$	$(0, 0, 1, 0, 1, 0, 1, 0, 0)$	$\{235679, 269\}$
96421:56a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{18} + e^{35} + e^{24}$	$19/93(1, 3, 3, 4, 4, 5, 5, 6, 7)$	$\{134789, 14589, 2345678, 2468\}$
96421:56b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{35} + e^{18} + e^{24}$	$19/93(1, 3, 3, 4, 4, 5, 5, 6, 7)$	$\{134789, 14589, 2345678, 2468\}$
96421:88	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{18} + e^{27} + e^{35}$	$56/831(4, 6, 9, 10, 13, 14, 16, 18, 22)$	$\{\emptyset, 35\}$
96421:89a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{35} + e^{28} + e^{17}$	$28/209(3, 2, 4, 5, 7, 7, 8, 9, 11)$	$\{\emptyset, 134689, 145689, 35\}$
96421:89b	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{17} + e^{35} + e^{28}$	$28/209(3, 2, 4, 5, 7, 7, 8, 9, 11)$	$\{\emptyset, 134689, 145689, 35\}$
96421:111	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16}, e^{37} + e^{18}$	$1/129(21, 96, 53, 117, 74, 138, 127, 159, 180)$	$\{123569, 148, 2456789, 37\}$
96421:112	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{28} + e^{37}$	$1/123(81, 21, 28, 102, 109, 123, 137, 144, 165)$	$\{\emptyset, 125679, 1456789, 248\}$
96421:161	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26}, e^{28} + e^{17}$	$1/131(34, 39, 88, 73, 122, 112, 156, 151, 190)$	$\{123478, 137, 235679, 3456789\}$
96421:162	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{28} + e^{37} + e^{15}$	$21/299(8, 3, 4, 11, 12, 14, 16, 17, 20)$	$\{\emptyset, 248\}$
96421:173	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16}, e^{18} + e^{24} + e^{37}$	$6/29(1, 3, 2, 4, 3, 5, 5, 6, 7)$	$\{123569, 37\}$
96421:174	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{14} + e^{28} + e^{37}$	$56/849(9, 3, 4, 12, 13, 15, 17, 18, 21)$	$\{\emptyset, 125679\}$
9642:1	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{27}$	$1/353(108, 117, 299, 225, 407, 333, 342, 441, 459)$	$\{\emptyset, 12367, 12567, 134789, 145789, 2345689, 24689, 35\}$
9642:2	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{23} + e^{17}$	$1/593(173, 202, 519, 375, 692, 577, 548, 779, 721)$	$\{12567, 145689, 2345789, 35\}$
9642:5	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{27} + e^{35}$	$2/71(10, 14, 21, 24, 31, 34, 38, 44, 52)$	$\{\emptyset, 134789, 145789, 35\}$
9642:6	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{17} + e^{35}$	$4/183(17, 14, 24, 31, 41, 45, 48, 59, 65)$	$\{\emptyset, 134689, 145689, 35\}$
9642:7	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{15} + e^{27}$	$1/283(80, 103, 229, 183, 309, 263, 286, 343, 389)$	$\{\emptyset, 12567, 134789, 2345689\}$
9642:10	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16} + e^{23}, e^{27} + e^{35}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{145789, 35\}$
9642:13	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{15} + e^{26}, e^{17} + e^{35}$	$10/133(5, 4, 7, 9, 12, 13, 14, 17, 19)$	$\{145689, 35\}$
9642:15	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{23} + e^{16}, e^{27} + e^{15}$	$42/457(3, 4, 9, 7, 12, 10, 11, 13, 15)$	$\{12567, 2345689\}$
9642:49	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{17}$	$1/22(2, 19, 19, 21, 21, 23, 23, 25, 25)$	$\{\emptyset, 12367, 12569, 13478, 14589, 23456789, 2468, 3579\}$
9642:50	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26}, e^{17}$	$1/33(6, 13, 24, 19, 30, 32, 36, 45, 42)$	$\{123478, 124589, 137, 159, 235679, 26, 3456789, 468\}$
9642:51	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{37}$	$7/33(3, 1, 1, 4, 4, 5, 5, 6, 6)$	$\{\emptyset, 12367, 125679, 134678, 1456789, 234589, 248, 359\}$
9642:52	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{17} + e^{23}$	$1/184(38, 114, 127, 152, 165, 190, 203, 228, 241)$	$\{\emptyset, 12367, 12569, 3579\}$
9642:53	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26}, e^{17} + e^{23}$	$1/72(10, 30, 57, 40, 67, 70, 77, 100, 87)$	$\{137, 159, 235679, 26\}$
9642:54	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{17} + e^{24}$	$1/208(38, 121, 166, 159, 204, 197, 242, 235, 280)$	$\{\emptyset, 12569, 14589, 2468\}$
9642:55	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16}, e^{37} + e^{24}$	$1/69(15, 42, 28, 57, 43, 72, 71, 87, 99)$	$\{123569, 134589, 234678, 37\}$
9642:56	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{37} + e^{14}$	$28/1059(21, 9, 10, 30, 31, 39, 41, 48, 51)$	$\{\emptyset, 125679, 134678, 234589\}$
9642:58	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{14}, e^{17}$	$1/5(2, 1, 2, 3, 4, 4, 6, 5, 8)$	$\{123478, 124589, 137, 159\}$
9642:59	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16} + e^{24}, e^{37}$	$1/417(114, 228, 149, 342, 263, 456, 412, 570, 561)$	$\{134589, 148, 37, 579\}$
9642:60	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{14} + e^{26}, e^{37}$	$1/123(66, 33, 31, 99, 97, 132, 128, 165, 159)$	$\{\emptyset, 234589, 248, 359\}$
9642:69	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{23}, e^{17} + e^{24}$	$35/312(2, 5, 6, 7, 8, 9, 10, 11, 12)$	$\{\emptyset, 2468\}$
9642:70	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16} + e^{23}, e^{24} + e^{37}$	$49/648(2, 9, 6, 11, 8, 13, 14, 15, 20)$	$\{234678, 37\}$
9642:71	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{24}, e^{17} + e^{23}$	$(0, 0, 1, 0, 1, 0, 1, 0, 1)$	$\{137, 159\}$
9642:72	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{14} + e^{26}, e^{17} + e^{23}$	$(0, 0, 1, 0, 1, 0, 1, 0, 1)$	$\{137, 159\}$
9642:73a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{35} + e^{24} + e^{17}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{125679, 145789, 24678, 7\}$
9642:73b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{35} + e^{24} + e^{17}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{125679, 145789, 24678, 7\}$
9642:76	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16}, e^{15} + e^{24} + e^{37}$	$11/104(4, 3, 2, 7, 6, 11, 8, 15, 10)$	$\{123569, 134589\}$
9642:77	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{24}, e^{17} + e^{35}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 14589\}$
9642:78	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{14}, e^{17} + e^{35}$	$43/271(2, 1, 4, 3, 6, 4, 8, 5, 10)$	$\{123478, 137\}$
9642:79a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{14} + e^{26}, e^{15} + e^{37}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 234589, 248, 359\}$
9642:79b	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, -e^{14} + e^{26}, e^{15} + e^{37}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 234589, 248, 359\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9642:80	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{16}, e^{24} + e^{17}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 14589\}$
9642:81a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26} + e^{15}, e^{37} + e^{14}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 125679, 134678, 234589\}$
9642:81b	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26} - e^{15}, e^{37} + e^{14}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 125679, 134678, 234589\}$
96321:1	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{18}$	$1/43(7, 26, 32, 33, 39, 58, 40, 47, 54)$	$\{123579, 12679, 134568, 148, 234789, 2456789, 36, 5\}$
96321:2	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{35} + e^{18}$	$3/241(14, 52, 47, 66, 61, 99, 80, 94, 108)$	$\{134568, 148, 234789, 2456789\}$
96321:3a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{27}, e^{35} + e^{28}$	$1/4(2, 1, 2, 3, 4, 3, 4, 5, 6)$	$\{123679, 12579, 134789, 1456789, 234568, 248, 35, 6\}$
96321:3b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24}, e^{27}, e^{28} + e^{35}$	$1/4(2, 1, 2, 3, 4, 3, 4, 5, 6)$	$\{123679, 12579, 134789, 1456789, 234568, 248, 35, 6\}$
96321:4	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{27}, e^{15} + e^{28}$	$1/41(16, 11, 28, 27, 44, 39, 38, 49, 60)$	$\{12458, 156, 235679, 345789\}$
96321:5	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{18} + e^{24}$	$3/211(13, 39, 53, 52, 66, 92, 65, 78, 91)$	$\{123579, 12679, 36, 5\}$
96321:7	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{18} + e^{26} + e^{35}$	$87/997(3, 5, 7, 8, 10, 12, 11, 14, 17)$	$\{12468, 346789\}$
96321:8a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{18} + e^{35} + e^{24}$	$39/197(1, 3, 3, 4, 4, 6, 5, 6, 7)$	$\{\emptyset, 12379, 125679, 356\}$
96321:8b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{35} + e^{18} + e^{24}$	$39/197(1, 3, 3, 4, 4, 6, 5, 6, 7)$	$\{\emptyset, 12379, 125679, 356\}$
96321:10a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{27}, e^{35} + e^{28} + e^{14}$	$6/29(3, 1, 2, 4, 5, 3, 5, 6, 7)$	$\{134789, 1456789, 234568, 248\}$
96321:10b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24}, e^{27}, e^{14} + e^{35} + e^{28}$	$6/29(3, 1, 2, 4, 5, 3, 5, 6, 7)$	$\{134789, 1456789, 234568, 248\}$
9641:1	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35}, e^{16}$	$1/59(10, 44, 35, 54, 45, 64, 55, 80, 74)$	$\{12368, 125678, 13489, 145789, 234569, 24679, 35, 7\}$
9641:2	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{35}, e^{26}$	$1/141(57, 43, 60, 100, 117, 143, 174, 177, 186)$	$\{\emptyset, 123678, 12568, 1346789, 145689, 234579, 249, 357\}$
9641:3	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{16}$	$1/204(48, 105, 112, 153, 160, 201, 258, 272, 249)$	$\{\emptyset, 123678, 125678, 134789, 145789, 234569, 2469, 35\}$
9641:4	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{35}, e^{26}$	$1/18(8, 5, 8, 13, 16, 18, 21, 24, 23)$	$\{\emptyset, 123678, 125678, 134689, 145689, 234579, 2479, 35\}$
9641:5	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{15} + e^{23}, e^{16}$	$1/67(18, 36, 35, 54, 53, 72, 88, 71, 90)$	$\{134589, 149, 378, 57\}$
9641:6	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{15} + e^{23}, e^{26}$	$1/211(43, 86, 120, 129, 163, 215, 283, 206, 301)$	$\{123678, 12567, 234589, 249\}$
9641:9	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}, e^{16}$	$1/20(4, 11, 16, 15, 20, 19, 26, 24, 23)$	$\{\emptyset, 123678, 12567, 134789, 14579, 2345689, 2469, 358\}$
9641:11	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35}, e^{23} + e^{16}$	$1/21(4, 15, 12, 19, 16, 23, 20, 28, 27)$	$\{12368, 13489, 24679, 7\}$
9641:12	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{35}, e^{26}$	$1/14(4, 5, 8, 9, 12, 14, 13, 20, 19)$	$\{123678, 134689, 234579, 35\}$
9641:13a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{24} + e^{35}, e^{16}$	$1/55(11, 34, 34, 45, 45, 56, 56, 79, 67)$	$\{\emptyset, 123678, 12568, 134789, 14589, 2345679, 2469, 357\}$
9641:13b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{24}, e^{16}$	$1/55(11, 34, 34, 45, 45, 56, 56, 79, 67)$	$\{\emptyset, 123678, 12568, 134789, 14589, 2345679, 2469, 357\}$
9641:15	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{14} + e^{35}, e^{26}$	$1/351(157, 103, 130, 260, 287, 363, 444, 417, 466)$	$\{1346789, 145689, 234579, 249\}$
9641:17	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{15} + e^{24}, e^{16}$	$1/143(41, 60, 79, 101, 120, 142, 199, 161, 183)$	$\{125678, 145789, 234569, 35\}$
9641:18	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15} + e^{23}, e^{16}$	$1/41(10, 20, 31, 30, 41, 40, 50, 51, 50)$	$\{\emptyset, 134789, 14579, 358\}$
9641:19	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{23} + e^{15}, e^{26}$	$1/53(11, 22, 42, 33, 53, 55, 44, 64, 77)$	$\{1234789, 124579, 235678, 267\}$
9641:20	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{23} + e^{16}$	$1/164(32, 91, 96, 123, 128, 155, 214, 224, 187)$	$\{125678, 145789, 234569, 35\}$
9641:24	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}, e^{16} + e^{35}$	$1/283(80, 142, 151, 222, 231, 302, 364, 311, 382)$	$\{\emptyset, 134789, 14579, 358\}$
9641:25	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{15}, e^{26} + e^{35}$	$1/279(97, 100, 150, 197, 247, 297, 294, 344, 397)$	$\{\emptyset, 134689, 14569, 358\}$
9641:26	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{35}, e^{15} + e^{26}$	$4/233(25, 17, 26, 42, 51, 59, 67, 77, 76)$	$\{\emptyset, 125678, 134689, 234579\}$
9641:27	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35}, e^{16} + e^{24}$	$1/67(18, 36, 35, 54, 53, 72, 71, 88, 90)$	$\{\emptyset, 134789, 14589, 357\}$
9641:28	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{35}, e^{26} + e^{14}$	$1/151(74, 37, 55, 111, 129, 148, 203, 184, 185)$	$\{1234789, 124589, 1378, 158\}$
9641:31	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{14} + e^{35}, e^{26}$	$59/499(2, 4, 3, 6, 5, 10, 7, 8, 14)$	$\{1234789, 124589\}$
9641:41	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}, e^{23} + e^{16}$	$1/116(28, 59, 84, 87, 112, 115, 146, 140, 143)$	$\{\emptyset, 123678, 134789, 2469\}$
9641:42a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{24}, e^{16} + e^{23}$	$19/93(1, 3, 3, 4, 4, 5, 5, 7, 6)$	$\{\emptyset, 123678, 134789, 2469\}$
9641:42b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{24}, e^{16} + e^{23}$	$19/93(1, 3, 3, 4, 4, 5, 5, 7, 6)$	$\{\emptyset, 123678, 134789, 2469\}$
9641:44a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{15} + e^{24}, e^{23} + e^{16}$	$17/77(1, 2, 3, 3, 4, 4, 7, 5, 5)$	$\{125678, 145789, 234569, 35\}$
9641:44b	$0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{35}, e^{15} + e^{24}, e^{16} + e^{23}$	$17/77(1, 2, 3, 3, 4, 4, 7, 5, 5)$	$\{125678, 145789, 234569, 35\}$
9641:48	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{15}, e^{26} + e^{35}$	$7/71(3, 4, 6, 7, 9, 11, 10, 12, 15)$	$\{134689, 358\}$
9641:49	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{35}, e^{15} + e^{26}$	$4/13(1, 1, 2, 2, 3, 3, 3, 5, 4)$	$\{123678, 35\}$
9641:51	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{15} + e^{23}, e^{14} + e^{26}$	$1/7(0, 0, 5, 0, 5, 0, 10, 5, 0)$	$\{1234789, 124579\}$
9641:96a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{16} + e^{27}$	$4/81(7, 7, 10, 14, 17, 21, 21, 27, 28)$	$\{\emptyset, 123678, 125678, 134789, 145789, 234569, 2469, 35\}$
9641:96b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{24}, e^{35}, e^{27} + e^{16}$	$4/81(7, 7, 10, 14, 17, 21, 21, 27, 28)$	$\{\emptyset, 123678, 125678, 134789, 145789, 234569, 2469, 35\}$
9641:101a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{23} + e^{15}, e^{16} + e^{27}$	$(0, 0, 1, 0, 1, 0, 0, 1, 0)$	$\{1234689, 124569, 235678, 267\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9641:101b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{24}, e^{15} + e^{23}, e^{27} + e^{16}$	$(0, 0, 1, 0, 1, 0, 0, 1, 0)$	$\{1234689, 124569, 235678, 267\}$
9641:138	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{14}, e^{26} + e^{17}$	$1/279(73, 112, 190, 185, 263, 297, 336, 258, 409)$	$\{124589, 137, 268, 345679\}$
9641:139	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{24}, e^{16} + e^{37}$	$2/321(51, 75, 59, 126, 110, 177, 169, 201, 228)$	$\{\emptyset, 123678, 145789, 234569\}$
9641:140	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{14}, e^{26} + e^{37}$	$4/99(11, 8, 8, 19, 19, 27, 27, 30, 35)$	$\{\emptyset, 123678, 145679, 234589\}$
9641:141	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{23} + e^{14}, e^{17} + e^{26}$	$7/71(3, 4, 6, 7, 9, 11, 12, 10, 15)$	$\{124589, 268\}$
9641:142	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{23} + e^{14}, e^{37} + e^{26}$	$16/71(1, 2, 2, 3, 3, 5, 5, 4, 7)$	$\{123678, 234589\}$
9641:143	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{14} + e^{35}, e^{17} + e^{26}$	$10/27(1, 1, 1, 2, 2, 3, 3, 4)$	$\{124589, 345679\}$
9641:150	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{14}, e^{26} + e^{35} + e^{17}$	$7/71(3, 4, 6, 7, 9, 11, 12, 10, 15)$	$\{145689, 8\}$
9641:215a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{27} + e^{16} + e^{38}$	$10/27(1, 1, 1, 2, 2, 3, 3, 4)$	$\{\emptyset, 123678, 145789, 234569\}$
9641:215b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{24}, e^{35}, e^{38} + e^{16} + e^{27}$	$10/27(1, 1, 1, 2, 2, 3, 3, 4)$	$\{\emptyset, 123678, 145789, 234569\}$
9631:1	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{17}$	$1/257(70, 116, 195, 186, 265, 311, 256, 302, 326)$	$\{\emptyset, 12378, 125678, 134689, 14589, 234579, 24679, 356\}$
9631:2	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35}, e^{17}$	$1/317(66, 204, 169, 270, 235, 373, 336, 404, 402)$	$\{\emptyset, 12378, 125678, 134689, 14589, 234579, 24679, 356\}$
9631:3	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{27}$	$1/17(8, 5, 8, 13, 16, 13, 18, 24, 23)$	$\{123678, 12578, 134789, 1456789, 234569, 249, 35, 6\}$
9631:4	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{17}$	$1/227(49, 137, 156, 186, 205, 293, 235, 254, 284)$	$\{\emptyset, 12378, 12567, 134689, 1459, 2345789, 24679, 3568\}$
9631:6a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{35}, e^{17}$	$1/157(36, 89, 89, 125, 125, 178, 161, 214, 197)$	$\{\emptyset, 12378, 125678, 134689, 14589, 234579, 24679, 356\}$
9631:6b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{35} + e^{24}, e^{17}$	$1/157(36, 89, 89, 125, 125, 178, 161, 214, 197)$	$\{\emptyset, 12378, 125678, 134689, 14589, 234579, 24679, 356\}$
9631:8	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14} + e^{35}, e^{27}$	$1/71(38, 20, 29, 58, 67, 49, 78, 96, 98)$	$\{134789, 1456789, 234569, 249\}$
9631:10	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{35} + e^{17}$	$2/57(7, 18, 16, 25, 23, 34, 32, 30, 39)$	$\{\emptyset, 134689, 1459, 3568\}$
9631:11	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{35} + e^{27}$	$1/81(28, 30, 45, 58, 73, 75, 88, 101, 118)$	$\{134789, 145679, 358, 6\}$
9631:12	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{15} + e^{27}$	$1/91(41, 28, 43, 69, 84, 71, 97, 127, 125)$	$\{12578, 134789, 234569, 6\}$
9631:13	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{36} + e^{15}, e^{17}$	$1/109(43, 34, 52, 77, 95, 86, 120, 138, 163)$	$\{123578, 149, 234789, 5\}$
9631:14	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{35}, e^{17}$	$1/657(193, 282, 371, 475, 564, 653, 668, 935, 861)$	$\{\emptyset, 12378, 134689, 24679\}$
9631:15	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35}, e^{17} + e^{36}$	$1/61(18, 34, 27, 52, 45, 61, 70, 72, 88)$	$\{234789, 2456789, 368, 58\}$
9631:16	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{27} + e^{36}$	$1/133(58, 39, 68, 97, 126, 107, 136, 194, 175)$	$\{234569, 249, 35, 6\}$
9631:17	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{17}$	$1/147(37, 72, 107, 109, 144, 179, 146, 181, 183)$	$\{\emptyset, 12378, 134689, 24679\}$
9631:20	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{35} + e^{17}$	$1/231(71, 110, 126, 181, 197, 236, 252, 291, 323)$	$\{\emptyset, 134689, 14589, 356\}$
9631:21	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{14}, e^{27} + e^{35}$	$1/301(118, 110, 165, 228, 283, 275, 338, 346, 448)$	$\{13479, 145679, 35, 6\}$
9631:22	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35}, e^{17} + e^{24}$	$1/67(18, 36, 35, 54, 53, 71, 72, 88, 90)$	$\{\emptyset, 134689, 14589, 356\}$
9631:23	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{14} + e^{27}$	$5/133(14, 7, 12, 21, 26, 19, 28, 38, 35)$	$\{123678, 12578, 134789, 1456789\}$
9631:24	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{17} + e^{36}$	$1/107(34, 56, 51, 90, 85, 107, 124, 119, 158)$	$\{23479, 2456789, 36, 58\}$
9631:25	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{27} + e^{36}$	$2/41(8, 7, 11, 15, 19, 18, 22, 27, 29)$	$\{\emptyset, 234589, 2469, 3568\}$
9631:26	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35}, e^{17} + e^{26}$	$24/151(2, 3, 3, 5, 5, 6, 7, 8, 9)$	$\{\emptyset, 125678, 134689, 234579\}$
9631:29	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{36} + e^{15}, e^{35} + e^{17}$	$7/53(3, 2, 4, 5, 7, 6, 8, 10, 11)$	$\{149, 5\}$
9631:30	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{36} + e^{15}, e^{35} + e^{27}$	$91/1093(5, 4, 6, 9, 11, 10, 13, 16, 17)$	$\{134789, 358\}$
9631:31	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{14}, e^{27} + e^{15}$	$2/499(91, 88, 173, 179, 264, 261, 267, 270, 355)$	$\{\emptyset, 125678, 134679, 234589\}$
9631:32	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{24} + e^{17}$	$4/77(5, 10, 13, 15, 18, 23, 20, 23, 25)$	$\{\emptyset, 134689, 1459, 3568\}$
9631:33	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{27} + e^{14}$	$2/17(4, 2, 5, 6, 9, 7, 8, 13, 10)$	$\{1234689, 12459, 138, 156\}$
9631:34	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{17} + e^{26}$	$1/241(80, 103, 137, 183, 217, 240, 263, 297, 343)$	$\{123489, 157, 26, 3456789\}$
9631:35	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{17} + e^{35}$	$35/317(3, 4, 5, 7, 8, 9, 10, 11, 13)$	$\{145689, 35\}$
9631:36	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35} + e^{14}, e^{27} + e^{15}$	$37/365(5, 3, 4, 8, 9, 7, 11, 13, 14)$	$\{134789, 234569\}$
9631:38	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{36} + e^{15}, e^{17}$	$19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)$	$\{149, 234789\}$
9631:44	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{26} + e^{35}, e^{15} + e^{27}$	$1/7(1, 0, -1, 1, 0, -1, 1, -1, 1)$	$\{123678, 249\}$
9631:46	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{15} + e^{27} + e^{36}$	$73/709(4, 3, 5, 7, 9, 8, 10, 14, 13)$	$\{234569, 6\}$
9631:49	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{14} + e^{35}, e^{36} + e^{27}$	$17/43(2, 0, 1, 2, 3, 1, 2, 4, 2)$	$\{1234689, 124589\}$
9631:52a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{35} + e^{24} + e^{17}$	$7/25(1, 2, 2, 3, 3, 4, 4, 4, 5)$	$\{\emptyset, 134689, 1459, 3568\}$
9631:52b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{24} + e^{35} + e^{17}$	$7/25(1, 2, 2, 3, 3, 4, 4, 4, 5)$	$\{\emptyset, 134689, 1459, 3568\}$
9631:54	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{27} + e^{35} + e^{14}$	$7/53(4, 2, 3, 6, 7, 5, 8, 11, 10)$	$\{1234689, 12459\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9631:57	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{17} + e^{26} + e^{35}$	$35/317(3, 4, 5, 7, 8, 9, 10, 11, 13)$	{123489, 26}
9631:58	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{17} + e^{36}$	$89/1033(4, 5, 6, 9, 10, 11, 13, 14, 17)$	{23479, 36}
9631:61	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{36} + e^{15}, e^{24} + e^{17}$	$5/16(1, 2, 0, 3, 1, 2, 4, 2, 5)$	{123578, 234789}
9631:62	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{35}, e^{24} + e^{17}$	$17/77(1, 2, 3, 3, 4, 5, 4, 7, 5)$	{1234589, 256}
9631:63	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35}, e^{17} + e^{36} + e^{24}$	$53/367(2, 4, 3, 6, 5, 7, 8, 8, 10)$	{234789, 2456789}
9631:70	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{26} + e^{17}$	$35/317(3, 4, 5, 7, 8, 9, 10, 11, 13)$	{123489, 26}
9631:71a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{15}, e^{24} + e^{17}$	$(0, 0, 1, 0, 1, 1, 0, 1, 0)$	{1234589, 12469, 238, 256}
9631:71b	$0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{14}, e^{26} + e^{15}, e^{24} + e^{17}$	$(0, 0, 1, 0, 1, 1, 0, 1, 0)$	{1234589, 12469, 238, 256}
9631:74	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{26} + e^{35} + e^{17}$	$35/317(3, 4, 5, 7, 8, 9, 10, 11, 13)$	{0, 134689}
9631:75	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{17} + e^{36} + e^{24}$	$13/88(2, 4, 3, 6, 5, 7, 8, 7, 10)$	{23479, 2456789}
9631:107a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{28} + e^{17}$	$1/61(21, 21, 47, 42, 68, 68, 63, 63, 84)$	{0, 12378, 125678, 134689, 14589, 234579, 24679, 356}
9631:107b	$0, 0, 0, e^{12}, e^{13}, e^{23}, -e^{14}, e^{24}, e^{28} + e^{17}$	$1/61(21, 21, 47, 42, 68, 68, 63, 63, 84)$	{0, 12378, 125678, 134689, 14589, 234579, 24679, 356}
9631:109a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{17} + e^{28} + e^{35}$	$41(21, 2, 3, 4, 5, 6, 6, 8)$	{13489, 145689, 35, 6}
9631:109b	$0, 0, 0, e^{12}, e^{13}, e^{23}, -e^{14}, e^{24}, e^{17} + e^{28} + e^{35}$	$41/219(2, 2, 3, 4, 5, 6, 6, 8)$	{13489, 145689, 35, 6}
9631:132	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{18} + e^{27}$	$1/211(54, 83, 141, 137, 195, 224, 220, 249, 303)$	{124569, 1368, 267, 3456789}
9631:133	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{27} + e^{38}$	$1/23(11, 8, 8, 19, 19, 16, 27, 27, 35)$	{123678, 1456789, 234569, 6}
9631:136	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35}, e^{17} + e^{24} + e^{38}$	$7/71(3, 6, 4, 9, 7, 10, 12, 11, 15)$	{145689, 6}
9631:137	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{14} + e^{38} + e^{27}$	$5/17(2, 1, 1, 3, 3, 2, 4, 5)$	{123678, 1456789}
9631:138	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{27} + e^{36} + e^{18}$	$16/203(4, 5, 7, 9, 11, 12, 14, 15, 19)$	{0, 234589}
963:1	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{15}$	$1/23(7, 11, 15, 18, 22, 26, 25, 29, 29)$	{0, 123789, 125678, 134689, 1458, 234579, 2467, 3569}
963:2	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{35}$	$1/139(49, 65, 69, 114, 118, 134, 163, 179, 187)$	{1236789, 125789, 13489, 145689, 234567, 247, 35, 6}
963:4a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{35} + e^{24}$	$1/13(4, 7, 7, 11, 11, 14, 15, 15, 18)$	{0, 123789, 125679, 134689, 1459, 234578, 2467, 3568}
963:4b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{35} + e^{24}$	$1/13(4, 7, 7, 11, 11, 14, 15, 15, 18)$	{0, 123789, 125679, 134689, 1459, 234578, 2467, 3568}
963:6	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{14} + e^{35}$	$1/16(6, 8, 7, 14, 13, 15, 22, 19, 20)$	{134789, 145679, 234568, 24}
963:13	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{26}$	$1/139(53, 57, 73, 110, 126, 130, 163, 179, 187)$	{123489, 12456, 136789, 157, 23589, 26, 3456789, 47}
963:14	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{36}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{0, 123789, 125679, 134678, 1457, 234589, 2469, 3568}
963:15a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{26} + e^{15}$	$1/13(5, 5, 8, 10, 13, 13, 15, 15, 18)$	{0, 123789, 125678, 134689, 1458, 234579, 2467, 3569}
963:15b	$0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{14}, e^{24}, e^{15} + e^{26}$	$1/13(5, 5, 8, 10, 13, 13, 15, 15, 18)$	{0, 123789, 125678, 134689, 1458, 234579, 2467, 3569}
963:18	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{26} + e^{14}$	$1/16(7, 6, 8, 13, 15, 14, 19, 22, 20)$	{123489, 15, 235789, 47}
963:23	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{14} + e^{26}$	$1/179(77, 73, 81, 150, 158, 154, 223, 239, 227)$	{125789, 13478, 249, 35}
963:25	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35}, e^{24} + e^{36}$	$1/95(37, 45, 41, 82, 78, 86, 119, 119, 127)$	{0, 123789, 1256789, 356}
963:30	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{26} + e^{35} + e^{14}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{1346789, 246}
963:47	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{14} + e^{35}, e^{15} + e^{36}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{0, 123789}
963:50	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{24}, e^{14} + e^{35}, e^{26}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{0, 123789}
954321:2	$0, 0, 0, 0, e^{12}, e^{15}, e^{16}, e^{17}, e^{34} + e^{18}$	$7/139(2, 16, 13, 13, 18, 20, 22, 24, 26)$	{123689, 124689, 13457, 157, 2345678, 25678, 39, 49}
954321:6	$0, 0, 0, 0, e^{12}, e^{15}, e^{16}, e^{17}, e^{25} + e^{18} + e^{34}$	$49/625(2, 8, 9, 9, 10, 12, 14, 16, 18)$	{123689, 124689, 2345678, 25678}
95421:2	$0, 0, 0, 0, e^{12}, e^{15}, e^{34} + e^{25}, e^{16}, e^{18}$	$1/29(4, 19, 21, 21, 23, 27, 42, 31, 35)$	{0, 123679, 124679, 13578, 14578, 2345689, 25689, 34}
95421:4	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{16}, e^{18} + e^{34}$	$1/23(5, 12, 16, 16, 17, 22, 29, 27, 32)$	{0, 123679, 124679, 134578, 1578, 235689, 245689, 34}
95421:6	$0, 0, 0, 0, e^{12}, e^{15}, e^{13} + e^{25}, e^{16}, e^{18} + e^{34}$	$1/19(5, 8, 16, 12, 13, 18, 21, 23, 28)$	{123679, 134578, 235689, 34}
95421:7	$0, 0, 0, 0, e^{12}, e^{15}, e^{25} + e^{34}, e^{16}, e^{18} + e^{23}$	$1/141(23, 87, 92, 105, 110, 133, 197, 156, 179)$	{0, 124679, 14578, 25689}
95421:15	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{16}, e^{34} + e^{27} + e^{18}$	$56/827(4, 6, 11, 11, 10, 14, 16, 18, 22)$	{0, 235689, 245689, 34}
95321:4	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{17}, e^{36} + e^{18}$	$1/141(21, 108, 49, 94, 129, 143, 150, 171, 192)$	{0, 123479, 124679, 13568, 158, 2345789, 2456789, 36}
95321:5	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{17}, e^{18} + e^{34}$	$1/43(7, 32, 32, 28, 39, 39, 46, 53, 60)$	{123679, 12479, 134568, 158, 235789, 2456789, 34, 6}
95321:6	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27}, e^{28} + e^{34}$	$1/41(27, 7, 23, 32, 34, 50, 41, 48, 55)$	{0, 12379, 124679, 135789, 1456789, 234568, 258, 346}
95321:7	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{17}, e^{18}$	$1/43(7, 26, 47, 28, 33, 54, 40, 47, 54)$	{123679, 12479, 134568, 158, 2345789, 256789, 3, 46}
95321:8	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{17}, e^{18} + e^{23}$	$1/7(1, 5, 4, 5, 6, 9, 7, 8, 9)$	{0, 124679, 1279, 14568, 158, 2456789, 25789, 46}
95321:13	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{17}, e^{18} + e^{24}$	$1/11(2, 7, 10, 8, 9, 12, 11, 13, 15)$	{0, 12379, 12679, 1358, 1568, 2356789, 25789, 36}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
95321:14	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27}, e^{14} + e^{28}$	$1/317(170, 65, 232, 260, 235, 402, 300, 365, 430)$	$\{\emptyset, 12379, 12679, 135789, 156789, 23568, 258, 36\}$
95321:15	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{17}, e^{34} + e^{18}$	$1/71(14, 43, 64, 35, 57, 78, 71, 85, 99)$	$\{123679, 12479, 134568, 158\}$
95321:18	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{17}, e^{46} + e^{23} + e^{18}$	$1/81(13, 60, 52, 30, 73, 82, 86, 99, 112)$	$\{\emptyset, 14568, 158, 46\}$
95321:22	$0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15}, e^{17}, e^{23} + e^{18}$	$1/557(130, 263, 520, 387, 393, 650, 523, 653, 783)$	$\{12479, 158, 256789, 46\}$
95321:25	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{17}, e^{24} + e^{36} + e^{18}$	$1/129(26, 84, 81, 104, 110, 107, 136, 162, 188)$	$\{134589, 145689, 2345678, 24578\}$
95321:26a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27}, e^{28} + e^{36} + e^{14}$	$1/31(17, 7, 14, 28, 24, 31, 31, 38, 45)$	$\{\emptyset, 12379, 12679, 135789, 156789, 23568, 258, 36\}$
95321:26b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25}, e^{27}, e^{28} + e^{36} + e^{14}$	$1/31(17, 7, 14, 28, 24, 31, 31, 38, 45)$	$\{\emptyset, 12379, 12679, 135789, 156789, 23568, 258, 36\}$
95321:34	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{17}, e^{18} + e^{36} + e^{25}$	$2/321(33, 99, 62, 107, 132, 169, 165, 198, 231)$	$\{\emptyset, 123479, 124679, 36\}$
95321:39	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{17}, e^{18} + e^{25} + e^{34}$	$1/87(18, 54, 65, 61, 72, 83, 90, 108, 126)$	$\{123679, 12479, 34, 6\}$
95321:40	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27}, e^{15} + e^{34} + e^{28}$	$1/283(168, 56, 169, 223, 224, 337, 280, 336, 392)$	$\{\emptyset, 12379, 124679, 346\}$
95321:41	$0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15}, e^{17}, e^{25} + e^{18}$	$1/211(39, 117, 224, 146, 156, 263, 195, 234, 273)$	$\{123679, 12479, 3, 46\}$
95321:67	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{17}, e^{18} + e^{34} + e^{25}$	$77/771(2, 6, 9, 5, 8, 11, 10, 12, 14)$	$\{123679, 12479\}$
9542:2	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{16}, e^{27} + e^{34}$	$1/44(13, 17, 32, 32, 30, 43, 47, 56, 64)$	$\{\emptyset, 123467, 1267, 135789, 145789, 235689, 245689, 34\}$
9542:4	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{16} + e^{23}, e^{27} + e^{34}$	$2/151(20, 31, 60, 53, 51, 71, 82, 91, 113)$	$\{1267, 145789, 235689, 34\}$
9542:7	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{16} + e^{23}, e^{27} + e^{14}$	$12/37(1, 1, 3, 3, 2, 3, 3, 4, 4)$	$\{\emptyset, 123467, 135789, 245689\}$
9531:4	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{25}, e^{17}$	$1/23(5, 14, 17, 16, 19, 22, 24, 33, 29)$	$\{123678, 12478, 135689, 14589, 234579, 25679, 34, 6\}$
9531:5	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{34}, e^{27}$	$1/353(196, 84, 211, 265, 280, 407, 364, 476, 448)$	$\{\emptyset, 12378, 124678, 134579, 15679, 235689, 24589, 346\}$
9531:6	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{17}$	$1/10(3, 4, 8, 6, 7, 14, 10, 11, 13)$	$\{123478, 123678, 134589, 135689, 234579, 235679, 34, 36\}$
9531:10	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{17} + e^{34}$	$1/107(34, 50, 75, 77, 84, 109, 118, 134, 152)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:11	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15}, e^{34} + e^{27}$	$1/99(44, 32, 65, 75, 76, 109, 108, 120, 140)$	$\{\emptyset, 123478, 12678, 13579, 145679, 235689, 24589, 346\}$
9531:12	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{25}, e^{17}$	$1/257(70, 116, 249, 203, 186, 319, 256, 302, 326)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:13	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25}, e^{17} + e^{23}$	$1/172(40, 89, 120, 112, 129, 232, 169, 218, 209)$	$\{124678, 1278, 145689, 1589, 234579, 235679, 34, 36\}$
9531:14	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{17}$	$1/67(16, 34, 59, 68, 50, 75, 66, 84, 82)$	$\{123478, 124678, 134589, 145689, 2345679, 24579, 346, 4\}$
9531:15	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{27}$	$1/34(16, 9, 26, 32, 25, 42, 34, 41, 43)$	$\{\emptyset, 12378, 12678, 13579, 15679, 235689, 2589, 36\}$
9531:16	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{25} + e^{34}, e^{17}$	$1/259(65, 142, 213, 136, 207, 278, 272, 349, 337)$	$\{123678, 12478, 234579, 25679\}$
9531:20	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{24} + e^{17}$	$1/28(8, 13, 24, 24, 21, 32, 29, 34, 37)$	$\{\emptyset, 123478, 124678, 134589, 145689, 235679, 2579, 36\}$
9531:21	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15}, e^{14} + e^{27}$	$1/297(124, 91, 235, 273, 215, 359, 306, 339, 397)$	$\{\emptyset, 123478, 124678, 13579, 15679, 2345689, 24589, 36\}$
9531:24	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{23} + e^{15}, e^{27} + e^{34}$	$1/175(65, 64, 130, 127, 129, 195, 193, 194, 257)$	$\{123478, 13579, 235689, 346\}$
9531:25	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}, e^{17} + e^{23}$	$1/131(31, 77, 93, 92, 108, 124, 139, 185, 170)$	$\{123678, 135689, 25679, 6\}$
9531:26	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{25}, e^{17} + e^{34}$	$1/191(68, 77, 127, 154, 145, 195, 213, 222, 281)$	$\{123478, 145689, 24579, 346\}$
9531:27	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{34} + e^{27}$	$7/139(8, 7, 13, 16, 15, 21, 22, 23, 29)$	$\{123478, 145679, 24589, 346\}$
9531:28	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}, e^{24} + e^{17}$	$1/119(27, 71, 88, 81, 98, 115, 125, 169, 152)$	$\{12478, 14589, 25679, 6\}$
9531:29	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{15}, e^{14} + e^{27}$	$1/53(29, 13, 32, 39, 42, 61, 55, 71, 68)$	$\{\emptyset, 124678, 15679, 24589\}$
9531:30	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{15}, e^{13} + e^{25}, e^{17}$	$7/485(20, 29, 58, 67, 49, 87, 69, 78, 89)$	$\{123478, 135689, 23579, 346\}$
9531:31	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{23} + e^{17}$	$1/143(40, 60, 120, 83, 100, 203, 140, 160, 180)$	$\{234579, 235679, 34, 36\}$
9531:32	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{24} + e^{17}$	$1/29(7, 12, 24, 21, 19, 45, 26, 31, 33)$	$\{123678, 135689, 234579, 34\}$
9531:33	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36}, e^{17} + e^{34}$	$1/317(66, 232, 169, 261, 298, 235, 364, 404, 430)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:34	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36}, e^{34} + e^{27}$	$1/57(33, 14, 21, 54, 47, 54, 61, 75, 75)$	$\{\emptyset, 123478, 12678, 135789, 1456789, 23569, 2459, 346\}$
9531:35	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36}, e^{17}$	$1/71(12, 53, 39, 78, 65, 51, 77, 90, 89)$	$\{123478, 124678, 134589, 145689, 2345679, 24579, 346, 4\}$
9531:36	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{34}, e^{17}$	$1/8(2, 5, 6, 4, 7, 8, 9, 10, 11)$	$\{123678, 127, 135689, 159, 235789, 25679, 38, 6\}$
9531:37	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{36}, e^{17}$	$1/353(70, 231, 223, 285, 301, 293, 371, 516, 441)$	$\{\emptyset, 12378, 12678, 134589, 145689, 2345679, 24579, 36\}$
9531:38	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{14}, e^{27}$	$1/27(14, 7, 12, 24, 21, 26, 28, 38, 35)$	$\{\emptyset, 12378, 12678, 135789, 156789, 23569, 259, 36\}$
9531:39	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{34}, e^{27}$	$1/57(24, 17, 33, 48, 41, 57, 58, 81, 75)$	$\{\emptyset, 12378, 1267, 135789, 15679, 235689, 259, 368\}$
9531:40	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{24}, e^{27}$	$1/57(32, 14, 21, 60, 46, 53, 60, 74, 74)$	$\{123478, 124678, 135789, 156789, 23569, 259, 346, 4\}$
9531:41	$0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15}, e^{25}, e^{17} + e^{23}$	$1/497(151, 209, 453, 395, 360, 604, 511, 569, 662)$	$\{\emptyset, 123478, 13589, 24579\}$
9531:45	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16}, e^{17} + e^{34}$	$1/227(49, 170, 156, 161, 219, 205, 268, 254, 317)$	$\{\emptyset, 123478, 1267, 13589, 14569, 2356789, 24579, 3468\}$
9531:46	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16}, e^{27} + e^{34}$	$1/57(21, 20, 33, 48, 41, 54, 61, 75, 81)$	$\{\emptyset, 123478, 1267, 135789, 145679, 235689, 2459, 3468\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9531:47	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36}, e^{24} + e^{17}$	$1/93(24, 57, 50, 72, 81, 74, 105, 124, 129)$	$\{\emptyset, 123478, 124678, 134589, 145689, 235679, 2579, 36\}$
9531:48	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36}, e^{14} + e^{27}$	$1/24(12, 7, 10, 21, 19, 22, 26, 32, 33)$	$\{\emptyset, 123478, 124678, 135789, 156789, 234569, 2459, 36\}$
9531:49	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{16}, e^{17}$	$1/227(49, 137, 200, 161, 186, 249, 235, 298, 284)$	$\{\emptyset, 12378, 12467, 134589, 1569, 2356789, 24579, 3468\}$
9531:51	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{23}, e^{14} + e^{27}$	$11/461(17, 13, 34, 39, 30, 51, 43, 47, 56)$	$\{123478, 13579, 2345689, 36\}$
9531:52	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{17} + e^{23}$	$1/107(29, 52, 87, 104, 81, 116, 110, 133, 139)$	$\{\emptyset, 12378, 13589, 2579\}$
9531:53	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{25}, e^{17} + e^{24}$	$1/27(8, 12, 23, 24, 20, 31, 28, 32, 36)$	$\{123478, 124678, 134589, 145689\}$
9531:54	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{27} + e^{14}$	$1/109(48, 32, 85, 96, 80, 133, 112, 128, 144)$	$\{\emptyset, 13579, 15679, 36\}$
9531:56	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{34} + e^{25}, e^{23} + e^{17}$	$29/109(1, 2, 3, 2, 3, 4, 5, 5)$	$\{123678, 25679\}$
9531:57	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{46}, e^{17}$	$1/9(2, 6, 8, 1, 8, 9, 10, 10, 12)$	$\{123478, 123678, 12467, 127, 134589, 135689, 14569, 159\}$
9531:58	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{46} + e^{23}, e^{17}$	$1/141(25, 102, 90, 51, 127, 141, 152, 192, 177)$	$\{\emptyset, 134589, 135689, 14569, 159, 348, 368, 46\}$
9531:66	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{14}, e^{17} + e^{34}$	$3/557(44, 129, 87, 174, 173, 131, 217, 218, 261)$	$\{123478, 145689, 24579, 346\}$
9531:67	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{36}, e^{17} + e^{34}$	$7/597(19, 56, 50, 63, 75, 69, 94, 119, 113)$	$\{\emptyset, 12678, 145689, 24579\}$
9531:68	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{14}, e^{34} + e^{27}$	$1/681(357, 178, 297, 594, 535, 654, 713, 951, 891)$	$\{\emptyset, 12678, 135789, 23569\}$
9531:69	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{36}, e^{34} + e^{27}$	$1/81(46, 21, 28, 81, 67, 74, 88, 102, 109)$	$\{123478, 135789, 23569, 346\}$
9531:70	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{46} + e^{17}$	$1/33(7, 24, 13, 16, 31, 29, 38, 42, 45)$	$\{\emptyset, 124678, 127, 134589, 13569, 2345789, 235679, 468\}$
9531:71	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{16}, e^{36} + e^{17}$	$1/101(29, 62, 60, 58, 91, 89, 120, 118, 149)$	$\{123678, 127, 235789, 25679\}$
9531:72	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{16}, e^{27} + e^{36}$	$1/69(30, 22, 33, 60, 52, 63, 74, 93, 96)$	$\{\emptyset, 135789, 15679, 368\}$
9531:74	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16}, e^{24} + e^{17}$	$1/17(4, 11, 13, 12, 15, 17, 19, 21, 23)$	$\{\emptyset, 123478, 12467, 134589, 14569, 2356789, 2579, 368\}$
9531:76	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{17} + e^{23}$	$1/33(4, 27, 12, 21, 31, 33, 35, 45, 39)$	$\{124678, 127, 145689, 159, 2345789, 235679, 348, 36\}$
9531:77	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{17} + e^{24}$	$1/39(8, 27, 14, 24, 35, 38, 43, 52, 51)$	$\{\emptyset, 123478, 124678, 134589, 145689, 235679, 2579, 36\}$
9531:78	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{15}, e^{13} + e^{25}, e^{17} + e^{24}$	$77/753(3, 4, 8, 9, 7, 12, 10, 11, 13)$	$\{123478, 23579\}$
9531:80	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{16}, e^{17} + e^{34}$	$1/57(14, 36, 43, 35, 50, 57, 64, 71, 78)$	$\{\emptyset, 2356789, 24579, 3468\}$
9531:81	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{16}, e^{34} + e^{27}$	$2/81(14, 15, 23, 36, 29, 37, 44, 51, 59)$	$\{123478, 1267, 135789, 145679\}$
9531:82	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36}, e^{24} + e^{17}$	$1/79(24, 43, 36, 72, 67, 60, 91, 96, 115)$	$\{123478, 124678, 134589, 145689\}$
9531:83	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{34}, e^{17} + e^{24}$	$(0, 1, 1, 0, 1, 1, 1, 1)$	$\{123678, 127, 135689, 159\}$
9531:84	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{34}, e^{27} + e^{14}$	$1/111(48, 32, 63, 96, 80, 111, 112, 159, 144)$	$\{12378, 1267, 235689, 259\}$
9531:85	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{36}, e^{14} + e^{27}$	$1/60(28, 19, 24, 57, 47, 52, 66, 76, 85)$	$\{123478, 124678, 135789, 156789\}$
9531:91	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{23}, e^{34} + e^{27}$	$1/46(10, 20, 33, 37, 30, 43, 50, 53, 70)$	$\{123478, 1267, 235689, 2459\}$
9531:92	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36}, e^{23} + e^{17}$	$1/232(42, 169, 126, 252, 211, 168, 253, 294, 295)$	$\{123478, 134589, 24579, 4\}$
9531:94	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{24}, e^{17} + e^{23}$	$1/53(11, 34, 33, 43, 45, 44, 56, 77, 67)$	$\{\emptyset, 12378, 134589, 24579\}$
9531:95	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36} + e^{25}, e^{17}$	$1/84(18, 51, 32, 56, 69, 88, 87, 120, 105)$	$\{\emptyset, 123478, 124678, 134589, 145689, 235679, 2579, 36\}$
9531:98a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{36}, e^{17} + e^{34}$	$4/179(12, 25, 25, 36, 37, 37, 49, 62, 61)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:98b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{36} + e^{25}, e^{17} + e^{34}$	$4/179(12, 25, 25, 36, 37, 37, 49, 62, 61)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:100	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{36}, e^{27} + e^{34}$	$1/279(151, 73, 112, 258, 224, 263, 297, 375, 370)$	$\{\emptyset, 123478, 12678, 346\}$
9531:102a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{36} + e^{14}, e^{17}$	$1/157(36, 89, 89, 178, 125, 125, 161, 214, 197)$	$\{123478, 124678, 134589, 145689, 2345679, 24579, 346, 4\}$
9531:102b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{14} + e^{36} + e^{25}, e^{17}$	$1/157(36, 89, 89, 178, 125, 125, 161, 214, 197)$	$\{123478, 124678, 134589, 145689, 2345679, 24579, 346, 4\}$
9531:104	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{25} + e^{16}, e^{17}$	$1/25(7, 13, 19, 14, 20, 26, 27, 33, 34)$	$\{123678, 135689, 25679, 6\}$
9531:105	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24} + e^{36}, e^{27}$	$1/211(112, 54, 83, 224, 166, 195, 220, 278, 274)$	$\{123478, 124678, 346, 4\}$
9531:107	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36}, e^{34} + e^{16} + e^{27}$	$1/681(333, 202, 273, 666, 535, 606, 737, 879, 939)$	$\{\emptyset, 12678, 135789, 23569\}$
9531:108	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{24}, e^{17} + e^{36}$	$2/107(17, 28, 31, 37, 45, 48, 62, 65, 79)$	$\{1359, 145689, 36, 48\}$
9531:109	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{24}, e^{27} + e^{36}$	$1/41(16, 14, 21, 39, 30, 37, 44, 53, 58)$	$\{\emptyset, 1345789, 15679, 3468\}$
9531:110	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{14}, e^{27} + e^{16}$	$5/33(3, 2, 3, 6, 5, 6, 7, 9, 9)$	$\{\emptyset, 12678, 135789, 23569\}$
9531:112	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{46}, e^{36} + e^{17}$	$1/47(14, 29, 32, 7, 43, 39, 57, 46, 71)$	$\{123678, 127, 134589, 14569\}$
9531:113	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{23} + e^{46}, e^{36} + e^{17}$	$1/417(86, 312, 207, 156, 398, 363, 484, 519, 570)$	$\{123678, 127, 2345789, 245679\}$
9531:114	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{25}, e^{17} + e^{36}$	$1/271(75, 148, 149, 222, 223, 224, 298, 371, 373)$	$\{\emptyset, 13589, 145689, 346\}$
9531:115	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{34}, e^{36} + e^{27}$	$3/79(13, 8, 12, 22, 21, 25, 29, 34, 37)$	$\{\emptyset, 134579, 15679, 346\}$
9531:126	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{23}, e^{17} + e^{24}$	$1/11(3, 6, 8, 9, 9, 11, 12, 14, 15)$	$\{\emptyset, 134589, 14569, 368\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9531:128	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{24}, e^{17} + e^{23}$	$3/449(39, 82, 117, 113, 121, 156, 160, 195, 199)$	$\{\emptyset, 12378, 134589, 24579\}$
9531:129	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{46}, e^{23} + e^{17}$	$1/29(8, 17, 24, 4, 25, 28, 33, 32, 41)$	$\{123478, 123678, 134589, 135689\}$
9531:130	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36} + e^{14}, e^{23} + e^{17}$	$(0, 1, 0, 1, 1, 1, 1, 1)$	$\{124678, 127, 145689, 159\}$
9531:131	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{24} + e^{36}, e^{23} + e^{17}$	$1/129(17, 102, 51, 78, 119, 129, 136, 180, 153)$	$\{145689, 159, 348, 36\}$
9531:132	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25}, e^{17} + e^{36}$	$1/84(27, 39, 32, 56, 66, 88, 93, 105, 120)$	$\{\emptyset, 123678, 1278, 134589, 145689, 234579, 245679, 36\}$
9531:136	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{16}, e^{17} + e^{34}$	$1/557(169, 275, 381, 401, 444, 550, 613, 719, 782)$	$\{\emptyset, 123478, 13589, 24579\}$
9531:137a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{25}, e^{17} + e^{24}$	$4/179(12, 25, 25, 36, 37, 37, 49, 62, 61)$	$\{\emptyset, 123478, 124678, 134589, 145689, 235679, 2579, 36\}$
9531:137b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{25} + e^{36}, e^{17} + e^{24}$	$4/179(12, 25, 25, 36, 37, 37, 49, 62, 61)$	$\{\emptyset, 123478, 124678, 134589, 145689, 235679, 2579, 36\}$
9531:139	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{15}, e^{27} + e^{14}$	$4/249(32, 18, 25, 54, 50, 57, 68, 82, 86)$	$\{135789, 156789, 234569, 2459\}$
9531:141	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16}, e^{24} + e^{36} + e^{17}$	$1/199(53, 130, 118, 159, 183, 171, 236, 224, 289)$	$\{\emptyset, 134589, 14569, 368\}$
9531:142	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16}, e^{27} + e^{36} + e^{14}$	$1/111(42, 38, 57, 114, 80, 99, 118, 141, 156)$	$\{1345789, 145679, 3468, 4\}$
9531:143	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{17} + e^{46} + e^{23}$	$1/87(13, 72, 39, 36, 85, 75, 98, 114, 111)$	$\{124678, 127, 2345789, 235679\}$
9531:145	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{25}, e^{36} + e^{17}$	$1/53(16, 26, 29, 52, 42, 45, 58, 68, 74)$	$\{\emptyset, 13589, 15689, 36\}$
9531:146	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{27} + e^{36}$	$1/141(64, 46, 69, 128, 110, 133, 156, 174, 202)$	$\{\emptyset, 13579, 15679, 36\}$
9531:147	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{34}, e^{16} + e^{27}$	$4/683(79, 56, 89, 125, 135, 168, 191, 214, 247)$	$\{1267, 135789, 234569, 48\}$
9531:148	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36}, e^{34} + e^{17} + e^{25}$	$1/57(16, 32, 29, 51, 48, 45, 64, 74, 80)$	$\{\emptyset, 13589, 145689, 346\}$
9531:149	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36}, e^{34} + e^{27} + e^{15}$	$1/41(22, 11, 16, 39, 33, 38, 44, 54, 55)$	$\{\emptyset, 23569, 2459, 346\}$
9531:150	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36}, e^{17} + e^{25}$	$1/561(152, 304, 291, 582, 456, 443, 608, 734, 760)$	$\{134589, 145689, 346, 4\}$
9531:151	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{16}, e^{25} + e^{17}$	$1/61(17, 34, 44, 34, 51, 61, 68, 78, 85)$	$\{135689, 159, 38, 6\}$
9531:152	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{36}, e^{25} + e^{17}$	$2/579(77, 154, 166, 255, 231, 243, 308, 409, 385)$	$\{\emptyset, 134589, 145689, 36\}$
9531:154	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{34}, e^{15} + e^{27}$	$1/79(38, 19, 41, 76, 57, 79, 76, 117, 95)$	$\{123589, 12569, 138, 16\}$
9531:155	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{36}, e^{15} + e^{27}$	$1/72(38, 19, 28, 75, 57, 66, 76, 94, 95)$	$\{23569, 259, 346, 4\}$
9531:156	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{46} + e^{13} + e^{25}, e^{17}$	$1/61(18, 28, 56, 9, 46, 65, 64, 74, 82)$	$\{123478, 123678, 134589, 135689\}$
9531:161a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{25} + e^{36}, e^{17} + e^{34}$	$24/151(2, 3, 3, 6, 5, 5, 7, 8, 9)$	$\{123478, 145689, 24579, 346\}$
9531:161b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{14} + e^{36} + e^{25}, e^{17} + e^{34}$	$24/151(2, 3, 3, 6, 5, 5, 7, 8, 9)$	$\{123478, 145689, 24579, 346\}$
9531:163	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{36} + e^{15}, e^{34} + e^{27}$	$7/71(5, 3, 4, 10, 8, 9, 11, 13, 14)$	$\{123478, 346\}$
9531:165	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{16}, e^{17} + e^{36} + e^{24}$	$1/19(0, 22, 11, 0, 22, 11, 22, 11, 22)$	$\{123678, 127\}$
9531:168	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{36}, e^{16} + e^{34} + e^{27}$	$7/71(5, 3, 4, 10, 8, 9, 11, 13, 14)$	$\{135789, 23569\}$
9531:169	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36} + e^{25}, e^{46} + e^{17}$	$8/87(3, 6, 5, 5, 9, 10, 12, 15, 15)$	$\{\emptyset, 124678, 134589, 235679\}$
9531:186	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{25} + e^{16}, e^{36} + e^{17}$	$67/589(3, 4, 5, 6, 7, 8, 10, 11, 13)$	$\{123678, 25679\}$
9531:196	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{25}, e^{24} + e^{17}$	$5/19(1, 2, 3, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 123478, 134589, 2579\}$
9531:200	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{17} + e^{36} + e^{24}$	$14/659(15, 22, 26, 45, 37, 41, 52, 59, 67)$	$\{\emptyset, 134589, 145689, 346\}$
9531:201	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15}, e^{27} + e^{36} + e^{14}$	$7/701(42, 34, 51, 102, 76, 93, 110, 118, 144)$	$\{134579, 145679, 346, 4\}$
9531:202	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15}, e^{16} + e^{34} + e^{27}$	$7/139(8, 7, 13, 16, 15, 21, 22, 23, 29)$	$\{\emptyset, 12678, 13579, 235689\}$
9531:205	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16}, e^{34} + e^{15} + e^{27}$	$2/133(34, 17, 29, 56, 51, 63, 68, 97, 85)$	$\{123589, 124569, 1348, 16\}$
9531:206	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{16}, e^{25} + e^{17}$	$2/77(10, 20, 31, 31, 30, 41, 40, 51, 50)$	$\{\emptyset, 134589, 1569, 3468\}$
9531:207	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{24}, e^{27} + e^{15}$	$4/17(2, 1, 2, 5, 3, 4, 4, 6, 5)$	$\{1234589, 12569, 138, 146\}$
9531:208	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36} + e^{25}, e^{17} + e^{23}$	$1/207(31, 141, 93, 127, 172, 220, 203, 313, 234)$	$\{124678, 145689, 235679, 36\}$
9531:209a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25} + e^{36}, e^{24} + e^{17}$	$4/73(4, 11, 7, 12, 15, 19, 19, 26, 23)$	$\{\emptyset, 123478, 124678, 134589, 145689, 235679, 2579, 36\}$
9531:209b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{15}, e^{36} + e^{25}, e^{17} + e^{24}$	$4/73(4, 11, 7, 12, 15, 19, 19, 26, 23)$	$\{\emptyset, 123478, 124678, 134589, 145689, 235679, 2579, 36\}$
9531:210	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{17} + e^{36}$	$1/61(27, 16, 32, 33, 43, 65, 70, 59, 97)$	$\{123678, 134589, 234579, 36\}$
9531:211	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25} + e^{13}, e^{46} + e^{17}$	$1/207(74, 80, 160, 71, 154, 231, 228, 234, 302)$	$\{134589, 135689, 234579, 235679\}$
9531:212	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{46}, e^{17} + e^{25}$	$1/223(62, 124, 192, 31, 186, 223, 248, 254, 310)$	$\{134589, 135689, 14569, 159\}$
9531:214a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{25} + e^{14}, e^{17} + e^{24}$	$24/151(2, 3, 3, 6, 5, 5, 7, 8, 9)$	$\{123478, 124678, 134589, 145689\}$
9531:214b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{25} + e^{36} + e^{14}, e^{17} + e^{24}$	$24/151(2, 3, 3, 6, 5, 5, 7, 8, 9)$	$\{123478, 124678, 134589, 145689\}$
9531:216	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{34} + e^{25}, e^{17} + e^{24}$	$1/8(0, 5, 10, 0, 5, 10, 5, 10, 5)$	$\{123678, 135689\}$
9531:217	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{15} + e^{24}, e^{27} + e^{14}$	$16/203(6, 4, 5, 12, 10, 11, 14, 16, 18)$	$\{135789, 156789\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9531:218	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{16}, e^{36} + e^{27} + e^{14}$	$31/379(5, 4, 6, 12, 9, 11, 13, 16, 17)$	$\{1345789, 3468\}$
9531:227a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36} + e^{25}, e^{23} + e^{17}$	$39/197(1, 3, 3, 6, 4, 4, 5, 7, 6)$	$\{124678, 145689, 2345679, 346\}$
9531:227b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{36} + e^{25} + e^{14}, e^{23} + e^{17}$	$39/197(1, 3, 3, 6, 4, 4, 5, 7, 6)$	$\{124678, 145689, 2345679, 346\}$
9531:230a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{23}, e^{17} + e^{36} + e^{24}$	$9/31(1, 2, 2, 3, 3, 3, 4, 4, 5)$	$\{\emptyset, 134589, 14569, 368\}$
9531:230b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{16} + e^{23}, e^{17} + e^{24} + e^{36}$	$9/31(1, 2, 2, 3, 3, 3, 4, 4, 5)$	$\{\emptyset, 134589, 14569, 368\}$
9531:232	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}, e^{24} + e^{36} + e^{17}$	$14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)$	$\{13589, 346\}$
9531:233	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{15}, e^{27} + e^{36} + e^{14}$	$21/289(7, 4, 6, 12, 11, 13, 15, 18, 19)$	$\{134579, 346\}$
9531:234	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36}, e^{25} + e^{17} + e^{34}$	$81/853(3, 6, 5, 10, 9, 8, 12, 13, 15)$	$\{145689, 346\}$
9531:235	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{24}, e^{17} + e^{25} + e^{34}$	$14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)$	$\{\emptyset, 145689\}$
9531:236	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{14}, e^{15} + e^{27} + e^{34}$	$87/997(6, 3, 5, 10, 9, 11, 12, 16, 15)$	$\{\emptyset, 23569\}$
9531:237	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{36}, e^{15} + e^{34} + e^{27}$	$21/232(6, 3, 4, 11, 9, 10, 12, 14, 15)$	$\{23569, 346\}$
9531:238	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{46}, e^{17} + e^{24} + e^{36}$	$1/19(0, 22, 11, 0, 22, 11, 22, 11, 22)$	$\{123678, 127\}$
9531:239a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{46} + e^{23}, e^{24} + e^{36} + e^{17}$	$26/183(1, 6, 3, 3, 7, 6, 8, 9, 9)$	$\{123678, 127, 2345789, 245679\}$
9531:239b	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{46} - e^{23}, e^{24} + e^{36} + e^{17}$	$26/183(1, 6, 3, 3, 7, 6, 8, 9, 9)$	$\{123678, 127, 2345789, 245679\}$
9531:240	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{25} + e^{17} + e^{46}$	$1/21(6, 12, 8, 11, 18, 19, 24, 27, 30)$	$\{\emptyset, 134589, 13569, 468\}$
9531:250	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{15}, e^{27} + e^{34} + e^{16}$	$7/71(5, 3, 4, 10, 8, 9, 11, 13, 14)$	$\{135789, 23569\}$
9531:253	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{15} + e^{24}, e^{27} + e^{16}$	$7/71(5, 3, 4, 10, 8, 9, 11, 13, 14)$	$\{1345789, 234569\}$
9531:255	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25} + e^{46} + e^{13}, e^{17} + e^{36}$	$4/59(6, 5, 10, 3, 11, 13, 17, 16, 23)$	$\{123678, 134589\}$
9531:266	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{16}, e^{36} + e^{27} + e^{15}$	$59/463(4, 2, 3, 8, 6, 7, 8, 11, 10)$	$\{1234589, 124569\}$
9531:282	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25}, e^{46} + e^{23} + e^{17}$	$14/53(1, 2, 3, 1, 3, 4, 4, 5, 5)$	$\{124678, 1278, 234579, 235679\}$
9531:283	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{24} + e^{36} + e^{17}$	$49/621(4, 6, 7, 12, 10, 11, 14, 16, 18)$	$\{\emptyset, 36\}$
9531:286	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{24}, e^{17} + e^{25} + e^{34}$	$7/50(2, 4, 5, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 3468\}$
9531:289	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{23}, e^{14} + e^{36} + e^{27}$	$7/71(3, 4, 6, 12, 7, 9, 11, 10, 15)$	$\{134579, 346\}$
9531:290	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{23} + e^{15}, e^{34} + e^{27} + e^{16}$	$7/19(1, 1, 2, 2, 2, 3, 3, 4)$	$\{13579, 235689\}$
9531:292	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{23} + e^{16}, e^{34} + e^{27} + e^{15}$	$1/2(0, 0, 1, -1, 0, 1, 0, 1, 0)$	$\{123589, 124569\}$
9531:293a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{46} + e^{13} + e^{25}, e^{17} + e^{23}$	$8/53(2, 3, 6, 1, 5, 7, 7, 8, 9)$	$\{123478, 123678, 134589, 135689\}$
9531:293b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{15}, e^{13} + e^{46} + e^{25}, e^{17} + e^{23}$	$8/53(2, 3, 6, 1, 5, 7, 7, 8, 9)$	$\{123478, 123678, 134589, 135689\}$
9531:294	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25} + e^{36} + e^{14}, e^{17} + e^{23}$	$1/8(0, 5, 0, 10, 5, 10, 5, 10, 5)$	$\{124678, 145689\}$
9531:298	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{25}, e^{17} + e^{24} + e^{36}$	$35/317(3, 4, 5, 9, 7, 8, 10, 11, 13)$	$\{145689, 36\}$
9531:303	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36} + e^{25}, e^{46} + e^{17} + e^{23}$	$56/863(3, 10, 9, 5, 13, 14, 16, 23, 19)$	$\{124678, 235679\}$
9531:313	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{24} + e^{16}, e^{27} + e^{36} + e^{15}$	$1/8(4, 2, 3, 9, 6, 7, 8, 11, 10)$	$\{1234589, 12569\}$
9531:319	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{46}, e^{25} + e^{36} + e^{17}$	$19/251(4, 8, 9, 2, 12, 11, 16, 13, 20)$	$\{134589, 14569\}$
9531:368	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{17} + e^{23} + e^{46}$	$49/653(4, 6, 12, 3, 10, 15, 14, 16, 18)$	$\{234579, 235679\}$
9531:369	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{17} + e^{24} + e^{36}$	$7/17(1, 0, 0, 3, 1, 3, 2, 1, 3)$	$\{123678, 234579\}$
9531:520a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{34} + e^{17} + e^{28}$	$1/27(10, 10, 19, 21, 20, 29, 30, 30, 40)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:520b	$0, 0, 0, 0, e^{12}, e^{13}, -e^{15}, e^{25}, e^{28} + e^{17} + e^{34}$	$1/27(10, 10, 19, 21, 20, 29, 30, 30, 40)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:522a	$0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15}, e^{25}, e^{28} + e^{17}$	$3/61(7, 7, 18, 18, 14, 25, 21, 21, 28)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:522b	$0, 0, 0, 0, e^{12}, e^{13} + e^{24}, -e^{15}, e^{25}, e^{17} + e^{28}$	$3/61(7, 7, 18, 18, 14, 25, 21, 21, 28)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:524a	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{25}, e^{28} + e^{17} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:524b	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, -e^{15}, e^{25}, e^{28} + e^{17} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:524c	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15}, e^{25}, e^{34} + e^{28} + e^{17}$	$7/19(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 123478, 12678, 13589, 145689, 235679, 24579, 346\}$
9531:541a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25}, e^{36} + e^{17} + e^{28}$	$1/24(9, 9, 10, 16, 18, 26, 27, 27, 36)$	$\{\emptyset, 123678, 1278, 134589, 145689, 234579, 245679, 36\}$
9531:541b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{15}, e^{25}, e^{28} + e^{36} + e^{17}$	$1/24(9, 9, 10, 16, 18, 26, 27, 27, 36)$	$\{\emptyset, 123678, 1278, 134589, 145689, 234579, 245679, 36\}$
9531:651	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16}, e^{27} + e^{18} + e^{34}$	$4/249(18, 25, 39, 54, 43, 57, 68, 75, 93)$	$\{\emptyset, 123478, 145679, 235689\}$
9531:652	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36}, e^{14} + e^{38} + e^{27}$	$2/33(9, 5, 5, 15, 14, 14, 19, 19, 24)$	$\{\emptyset, 123478, 156789, 234569\}$
9531:749	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{17} + e^{38}$	$1/33(7, 24, 7, 24, 31, 31, 38, 38, 45)$	$\{\emptyset, 123478, 127, 13569, 145689, 235679, 2456789, 348\}$
9531:750	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{38} + e^{17} + e^{24}$	$16/69(1, 3, 1, 3, 4, 4, 5, 6)$	$\{\emptyset, 123478, 145689, 235679\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9531:751	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{38} + e^{17} + e^{25}$	$1/21(6, 12, 5, 15, 18, 20, 24, 25, 30)$	$\{\emptyset, 13569, 145689, 348\}$
9531:754	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{17} + e^{25} + e^{46} + e^{38}$	$5/17(1, 2, 1, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 13569\}$
9521:1	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{18}$	$1/11(2, 8, 8, 7, 10, 10, 15, 12, 14)$	$\{123468, 123678, 12478, 128, 134569, 135679, 14579, 159, 234589, 235789, 2456789, 25689, 34, 37, 467, 6\}$
9521:2	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{28}$	$1/33(21, 7, 18, 24, 28, 39, 42, 35, 42)$	$\{\emptyset, 12348, 12378, 124678, 1268, 134589, 135789, 1456789, 15689, 234569, 235679, 24579, 259, 346, 367, 47\}$
9521:4	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{18}$	$1/14(2, 11, 13, 13, 13, 15, 15, 15, 17)$	$\{\emptyset, 12348, 12378, 12468, 12678, 13459, 13579, 14569, 15679, 23456789, 235689, 245789, 2589, 3467, 36, 47\}$
9521:5	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{28}$	$1/39(18, 11, 30, 30, 29, 48, 48, 40, 51)$	$\{\emptyset, 12348, 12378, 12468, 12678, 134589, 135789, 145689, 156789, 2345679, 23569, 24579, 259, 3467, 36, 47\}$
9521:6	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{18}$	$1/27(6, 16, 24, 19, 22, 30, 35, 28, 34)$	$\{\emptyset, 12348, 12378, 12468, 12678, 134579, 1359, 145679, 1569, 2345689, 2356789, 24589, 25789, 3467, 36, 47\}$
9521:7	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}, e^{18}$	$1/29(7, 17, 24, 14, 24, 38, 31, 31, 38)$	$\{123678, 12468, 134579, 159, 234589, 25789, 36, 467\}$
9521:8	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{34} + e^{18}$	$1/14(4, 8, 9, 11, 12, 13, 17, 16, 20)$	$\{123468, 1278, 135679, 1459, 23589, 2456789, 347, 6\}$
9521:9	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{18}$	$1/40(10, 22, 29, 41, 32, 39, 51, 42, 52)$	$\{12368, 12478, 1345679, 159, 234589, 256789, 37, 46\}$
9521:10	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}, e^{28}$	$1/71(29, 22, 60, 53, 51, 89, 82, 73, 95)$	$\{12378, 12468, 134589, 156789, 2345679, 259, 36, 47\}$
9521:11	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{23} + e^{18}$	$1/71(16, 47, 48, 47, 63, 64, 95, 79, 95)$	$\{123468, 123678, 134569, 135679, 2456789, 25689, 467, 6\}$
9521:12	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{18} + e^{34}$	$1/40(10, 28, 29, 29, 38, 39, 39, 48, 58)$	$\{1234678, 128, 13569, 14579, 235789, 245689, 34, 67\}$
9521:13	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{28} + e^{34}$	$1/48(24, 14, 33, 33, 38, 57, 57, 52, 66)$	$\{\emptyset, 12348, 12678, 135789, 145689, 23569, 24579, 3467\}$
9521:14	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{18} + e^{34}$	$7/81(3, 7, 9, 7, 10, 12, 14, 13, 16)$	$\{\emptyset, 12348, 12678, 1359, 145679, 2356789, 24589, 3467\}$
9521:15	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{18} + e^{24}$	$1/59(12, 41, 43, 36, 53, 55, 79, 65, 77)$	$\{123468, 12478, 134569, 14579, 235789, 25689, 37, 6\}$
9521:16	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{28} + e^{14}$	$1/69(42, 16, 39, 48, 58, 81, 87, 74, 90)$	$\{\emptyset, 12348, 124678, 135789, 15689, 234569, 24579, 367\}$
9521:17	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{24} + e^{18}$	$1/83(24, 42, 61, 72, 66, 85, 103, 90, 114)$	$\{\emptyset, 12348, 124678, 134579, 14569, 235689, 25789, 367\}$
9521:18	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{23} + e^{18}$	$1/63(16, 39, 48, 55, 55, 64, 71, 71, 87)$	$\{\emptyset, 12348, 12378, 13459, 13579, 245789, 2589, 47\}$
9521:19	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{23} + e^{18}$	$1/144(39, 76, 117, 106, 115, 156, 182, 154, 193)$	$\{\emptyset, 12348, 12378, 134579, 1359, 24589, 25789, 47\}$
9521:22a	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{15}, e^{18}$	$1/64(22, 22, 53, 53, 44, 75, 75, 66, 88)$	$\{12378, 12468, 1345679, 159, 234589, 256789, 36, 47\}$
9521:22b	$0, 0, 0, 0, e^{12}, e^{23} - e^{14}, e^{24} + e^{13}, e^{15}, e^{18}$	$1/64(22, 22, 53, 53, 44, 75, 75, 66, 88)$	$\{12378, 12468, 1345679, 159, 234589, 256789, 36, 47\}$
9521:23	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{24}, e^{15}, e^{23} + e^{18}$	$1/121(32, 67, 96, 61, 99, 157, 128, 131, 163)$	$\{123678, 134579, 25789, 467\}$
9521:24	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{18} + e^{25}$	$1/139(38, 76, 96, 91, 114, 134, 187, 152, 190)$	$\{134569, 135679, 14579, 159, 34, 37, 467, 6\}$
9521:25	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{15} + e^{28}$	$1/41(22, 11, 24, 29, 33, 46, 53, 44, 55)$	$\{\emptyset, 234569, 235679, 24579, 259, 346, 367, 47\}$
9521:26	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{18} + e^{24}$	$1/159(48, 77, 115, 144, 125, 163, 192, 173, 221)$	$\{124678, 134579, 25789, 367\}$
9521:29	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{18}$	$1/112(30, 60, 97, 97, 90, 127, 127, 120, 150)$	$\{\emptyset, 13459, 13579, 14569, 15679, 3467, 36, 47\}$
9521:30	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{15} + e^{28}$	$1/59(30, 15, 44, 44, 45, 74, 74, 60, 75)$	$\{12348, 12378, 12468, 12678, 134589, 135789, 145689, 156789\}$
9521:31	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{25} + e^{18}$	$1/23(6, 12, 20, 17, 18, 26, 29, 24, 30)$	$\{\emptyset, 134579, 1359, 145679, 1569, 3467, 36, 47\}$
9521:32	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}, e^{18} + e^{25}$	$1/67(18, 36, 53, 35, 54, 88, 71, 72, 90)$	$\{134579, 159, 36, 467\}$
9521:33	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{36} + e^{18}$	$1/139(30, 100, 80, 99, 130, 110, 179, 160, 190)$	$\{123468, 123678, 12478, 128, 234589, 235789, 2456789, 25689\}$
9521:34	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{28} + e^{36}$	$1/15(9, 4, 6, 12, 13, 15, 18, 17, 21)$	$\{\emptyset, 134589, 135789, 1456789, 15689, 346, 367, 47\}$
9521:38	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{18} + e^{34}$	$27/184(2, 4, 5, 5, 6, 7, 8, 10)$	$\{\emptyset, 13579, 14569, 3467\}$
9521:39	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{28} + e^{34} + e^{15}$	$29/216(4, 2, 5, 5, 6, 9, 9, 8, 10)$	$\{12348, 12678, 135789, 145689\}$
9521:40	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{25} + e^{18} + e^{34}$	$4/57(4, 8, 11, 9, 12, 15, 17, 16, 20)$	$\{\emptyset, 1359, 145679, 3467\}$
9521:43	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{18} + e^{36}$	$1/144(30, 110, 85, 129, 140, 115, 159, 170, 200)$	$\{\emptyset, 13459, 13579, 14569, 15679, 3467, 36, 47\}$
9521:44	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{28} + e^{36}$	$1/204(90, 70, 105, 159, 160, 195, 249, 230, 300)$	$\{\emptyset, 134589, 135789, 145689, 156789, 3467, 36, 47\}$
9521:45	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{18} + e^{36}$	$1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)$	$\{\emptyset, 134579, 1359, 145679, 1569, 3467, 36, 47\}$
9521:46	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{28} + e^{36}$	$1/7(4, 2, 3, 6, 6, 7, 8, 8, 10)$	$\{\emptyset, 1345789, 13589, 1456789, 15689, 3467, 36, 47\}$
9521:47	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{16} + e^{28}$	$1/204(93, 67, 108, 150, 160, 201, 258, 227, 294)$	$\{\emptyset, 124678, 1268, 134589, 135789, 234569, 235679, 47\}$
9521:52	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{16} + e^{28}$	$1/69(24, 25, 51, 57, 49, 75, 81, 74, 99)$	$\{\emptyset, 12468, 12678, 134589, 135789, 2345679, 23569, 47\}$
9521:53	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{16} + e^{28}$	$1/317(123, 112, 213, 261, 235, 336, 373, 347, 459)$	$\{\emptyset, 12468, 12678, 1345789, 13589, 234569, 235679, 47\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9521:56a	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{15}, e^{18} + e^{25}$	$(0, 0, 1, 1, 0, 1, 1, 0, 0)$	{123579, 124569, 234, 267}
9521:56b	$0, 0, 0, 0, e^{12}, e^{23} - e^{14}, e^{24} + e^{13}, e^{15}, e^{25} + e^{18}$	$(0, 0, 1, 1, 0, 1, 1, 0, 0)$	{123579, 124569, 234, 267}
9521:57	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{36} + e^{18}$	$1/17(5, 11, 8, 10, 16, 18, 13, 21, 26)$	{123678, 128, 134579, 14569, 234589, 2456789, 36, 7}
9521:58	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{28} + e^{36}$	$1/57(39, 14, 21, 39, 53, 60, 60, 67, 81)$	{0, 12368, 1278, 134589, 1456789, 234579, 24569, 367}
9521:59	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{18} + e^{46}$	$1/57(14, 40, 40, 21, 54, 61, 54, 68, 82)$	{12468, 128, 134579, 135679, 234589, 235689, 467, 7}
9521:60	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{28} + e^{46}$	$1/18(11, 5, 10, 8, 16, 18, 21, 21, 26)$	{0, 124678, 1278, 134589, 135689, 234579, 235679, 46}
9521:61	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{18} + e^{36}$	$1/72(18, 46, 41, 69, 64, 59, 87, 82, 100)$	{0, 13579, 14569, 3467}
9521:62	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}, e^{28} + e^{36}$	$1/167(53, 70, 105, 122, 123, 158, 175, 193, 263)$	{134589, 156789, 36, 47}
9521:63	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{36} + e^{18} + e^{24}$	$1/247(57, 172, 143, 171, 229, 200, 314, 286, 343)$	{123468, 12478, 235789, 25689}
9521:71	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}, e^{28} + e^{16}$	$21/569(9, 10, 21, 22, 19, 30, 31, 29, 39)$	{12468, 134589, 2345679, 47}
9521:72	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{18} + e^{36} + e^{24}$	$1/15(4, 10, 9, 12, 14, 13, 16, 18, 22)$	{0, 13459, 14569, 36}
9521:73	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{16} + e^{28} + e^{34}$	$1/39(15, 14, 27, 30, 29, 42, 45, 43, 57)$	{0, 12678, 135789, 23569}
9521:75	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{16} + e^{34} + e^{28}$	$7/139(8, 7, 13, 16, 15, 21, 23, 22, 29)$	{0, 12678, 13589, 235679}
9521:76	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{24} + e^{36} + e^{18}$	$1/81(24, 46, 47, 72, 70, 71, 93, 94, 118)$	{0, 134579, 14569, 367}
9521:77	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25}, e^{28} + e^{36} + e^{14}$	$1/47(23, 16, 24, 48, 39, 47, 40, 55, 71)$	{134589, 1456789, 346, 47}
9521:78	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25}, e^{16} + e^{28} + e^{34}$	$1/163(71, 58, 103, 142, 129, 174, 161, 187, 245)$	{1268, 13589, 235679, 7}
9521:79	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}, e^{18} + e^{36}$	$1/14(5, 7, 8, 6, 12, 14, 13, 17, 22)$	{123678, 134579, 234589, 36}
9521:80	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{15}, e^{18} + e^{36}$	$1/81(21, 53, 28, 60, 74, 88, 81, 95, 116)$	{12368, 134579, 234589, 367}
9521:85	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{28} + e^{36} + e^{15}$	$1/113(64, 32, 48, 89, 96, 112, 137, 128, 160)$	{0, 346, 367, 47}
9521:92	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{46} + e^{23} + e^{18}$	$1/657(156, 470, 468, 235, 626, 703, 624, 782, 938)$	{12468, 128, 234589, 235689}
9521:93	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{24} + e^{36} + e^{18}$	$1/13(3, 10, 5, 9, 13, 14, 8, 16, 19)$	{123678, 128, 234589, 2456789}
9521:94	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{28} + e^{36} + e^{14}$	$13/111(6, 2, 3, 6, 8, 9, 10, 12)$	{12368, 1278, 134589, 1456789}
9521:95	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{36} + e^{24} + e^{18}$	$9/31(1, 2, 2, 3, 3, 3, 4, 5)$	{0, 14569}
9521:100a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{36} + e^{18} + e^{25}$	$1/137(40, 80, 80, 117, 120, 120, 157, 160, 200)$	{0, 13459, 13579, 14569, 15679, 3467, 36, 47}
9521:100b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{36} + e^{18}$	$1/137(40, 80, 80, 117, 120, 120, 157, 160, 200)$	{0, 13459, 13579, 14569, 15679, 3467, 36, 47}
9521:102	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{36} + e^{15} + e^{28}$	$1/143(80, 40, 60, 103, 120, 140, 183, 160, 200)$	{134589, 135789, 145689, 156789}
9521:108	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{18} + e^{47} + e^{36}$	$1/681(178, 476, 416, 297, 654, 594, 713, 832, 1010)$	{12478, 128, 234589, 235789}
9521:109	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{47} + e^{28} + e^{36}$	$4/183(27, 14, 21, 24, 41, 48, 45, 55, 69)$	{0, 134589, 135789, 47}
9521:116	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}, e^{46} + e^{18} + e^{23}$	$91/1089(3, 8, 9, 4, 11, 13, 12, 14, 17)$	{12468, 234589}
9521:117	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{25} + e^{36} + e^{18}$	$1/91(28, 56, 43, 54, 84, 97, 71, 112, 140)$	{134579, 14569, 36, 7}
9521:119	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{25} + e^{18} + e^{46}$	$1/681(202, 404, 464, 273, 606, 737, 666, 808, 1010)$	{134579, 135679, 467, 7}
9521:120	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{28} + e^{46} + e^{15}$	$4/233(34, 17, 33, 26, 51, 59, 67, 68, 85)$	{0, 234579, 235679, 46}
9521:121	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{28} + e^{37} + e^{16}$	$1/60(33, 19, 24, 42, 52, 57, 66, 71, 90)$	{0, 1268, 134589, 234569}
9521:122a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{16} + e^{28} + e^{47}$	$4/81(10, 7, 11, 10, 17, 21, 21, 24, 31)$	{0, 124678, 1268, 134589, 135789, 234569, 235679, 47}
9521:122b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{25}, e^{47} + e^{16} + e^{28}$	$4/81(10, 7, 11, 10, 17, 21, 21, 24, 31)$	{0, 124678, 1268, 134589, 135789, 234569, 235679, 47}
9521:126a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{47} + e^{36} + e^{28}$	$1/21(9, 8, 12, 12, 17, 21, 21, 25, 33)$	{0, 134589, 135789, 145689, 156789, 3467, 36, 47}
9521:126b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{25}, e^{28} + e^{47} + e^{36}$	$1/21(9, 8, 12, 12, 17, 21, 21, 25, 33)$	{0, 134589, 135789, 145689, 156789, 3467, 36, 47}
9521:128	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{47} + e^{36} + e^{18}$	$1/43(14, 24, 26, 21, 38, 40, 45, 52, 66)$	{0, 3467, 36, 47}
9521:129a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{18} + e^{36} + e^{25}$	$9/31(1, 2, 2, 3, 3, 3, 4, 5)$	{0, 13579, 14569, 3467}
9521:129b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{25} + e^{18} + e^{36}$	$9/31(1, 2, 2, 3, 3, 3, 4, 5)$	{0, 13579, 14569, 3467}
9521:131	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25}, e^{15} + e^{28} + e^{36}$	$23/152(4, 2, 3, 1, 6, 7, 5, 8, 10)$	{123579, 124569}
9521:145	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{28} + e^{17} + e^{36}$	$4/21(2, 2, 3, 4, 5, 6, 6, 8)$	{0, 134589, 145689, 36}
9521:146	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{18} + e^{36} + e^{27}$	$8/151(7, 8, 11, 13, 15, 18, 21, 22, 29)$	{0, 134579, 145679, 36}
9521:147	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{24}, e^{15}, e^{36} + e^{25} + e^{18}$	$4/13(1, 2, 2, 1, 3, 3, 3, 4, 5)$	{123678, 234589}
9521:148	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{15}, e^{36} + e^{25} + e^{18}$	$7/71(3, 6, 4, 7, 9, 11, 10, 12, 15)$	{134579, 367}
9521:178	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{15} + e^{28} + e^{47} + e^{36}$	$10/133(8, 4, 6, 7, 12, 14, 13, 16, 20)$	{134589, 135789}
9521:191a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{18} + e^{36} + e^{25} + e^{47}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{123489, 123789, 124689, 126789, 2345678, 23568, 24578, 258}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9521:191b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{15}, e^{18} + e^{25} + e^{36} + e^{47}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{123489, 123789, 124689, 126789, 2345678, 23568, 24578, 258}
9521:191c	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{47} + e^{36} + e^{18}$	$25/81(1, 2, 2, 2, 3, 3, 4, 5)$	{123489, 123789, 124689, 126789, 2345678, 23568, 24578, 258}
9521:194a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{47} + e^{36} + e^{15} + e^{28}$	$25/168(4, 2, 3, 3, 6, 7, 8, 10)$	{134589, 135789, 145689, 156789}
9521:194b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{25}, e^{28} + e^{47} + e^{36} + e^{15}$	$25/168(4, 2, 3, 3, 6, 7, 8, 10)$	{134589, 135789, 145689, 156789}
964:1	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}, e^{35}$	$1/41(13, 20, 20, 33, 33, 46, 53, 46, 53)$	{0, 1236789, 125679, 134789, 14579, 234568, 246, 358}
964:2	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{15} + e^{23}$	$1/67(18, 36, 35, 54, 53, 72, 90, 88, 71)$	{1236789, 125678, 234569, 246}
953:6	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{16} + e^{24}$	$1/23(7, 11, 17, 20, 18, 24, 25, 29, 31)$	{0, 123789, 124678, 134589, 1568, 235679, 2457, 3469}
953:7	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{14} + e^{36}$	$1/317(114, 145, 156, 312, 259, 270, 373, 404, 426)$	{0, 123789, 126789, 13589, 15689, 23567, 257, 36}
953:8	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{34} + e^{16}$	$1/11(4, 5, 7, 8, 9, 11, 13, 14, 15)$	{0, 123789, 12678, 13589, 1568, 235679, 257, 369}
953:9	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{24} + e^{36}$	$1/16(6, 7, 8, 15, 13, 14, 19, 20, 22)$	{0, 123789, 126789, 134589, 145689, 234567, 2457, 36}
953:10	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{16}$	$1/37(10, 19, 27, 38, 29, 37, 39, 48, 47)$	{1234789, 124678, 134589, 14568, 2345679, 2457, 3469, 4}
953:12	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{36}$	$1/69(24, 33, 34, 66, 57, 58, 81, 90, 92)$	{0, 123789, 126789, 13589, 15689, 23567, 257, 36}
953:13	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{36}$	$1/111(48, 45, 50, 96, 93, 98, 138, 141, 148)$	{0, 123789, 126789, 13579, 23568, 258, 36}
953:14	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{25}, e^{16}$	$1/14(4, 8, 9, 11, 13, 16, 20, 17)$	{0, 123789, 124678, 13589, 14568, 2345679, 257, 3469}
953:15	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{34}, e^{16}$	$1/139(53, 67, 73, 100, 120, 126, 187, 173, 179)$	{123479, 1267, 135789, 145678, 234569, 25, 3689, 48}
953:16	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}, e^{36}$	$1/41(15, 20, 19, 36, 35, 34, 50, 55, 53)$	{0, 123789, 1246789, 13589, 145689, 234567, 257, 346}
953:17	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{15}, e^{36}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	{0, 123789, 1246789, 134579, 15679, 23568, 2458, 346}
953:24	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{16} + e^{24}$	$1/22(7, 10, 16, 20, 17, 23, 24, 27, 30)$	{124678, 134589, 2457, 3469}
953:26	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{25}, e^{24} + e^{36}$	$2/127(23, 29, 32, 58, 52, 55, 75, 81, 87)$	{0, 123789, 126789, 36}
953:29	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}, e^{24} + e^{16}$	$1/26(8, 14, 17, 19, 22, 25, 30, 36, 33)$	{0, 123789, 124678, 3469}
953:30a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{15}, e^{24} + e^{16}$	$1/8(3, 4, 4, 6, 7, 7, 11, 10, 10)$	{123479, 1267, 135789, 145678, 234569, 25, 3689, 48}
953:30b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25}, e^{34} + e^{15}, e^{16} + e^{24}$	$1/8(3, 4, 4, 6, 7, 7, 11, 10, 10)$	{123479, 1267, 135789, 145678, 234569, 25, 3689, 48}
953:31	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}, e^{36} + e^{14}$	$9/241(10, 13, 12, 24, 23, 22, 33, 36, 34)$	{1246789, 145689, 234567, 346}
953:32	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}, e^{36} + e^{24}$	$2/59(11, 14, 14, 25, 25, 25, 36, 39, 39)$	{0, 123789, 145689, 234567}
953:36a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{25} + e^{14}, e^{36}$	$2/57(12, 12, 13, 24, 24, 25, 36, 36, 38)$	{0, 123789, 126789, 13589, 15689, 23567, 257, 36}
953:36b	$0, 0, 0, 0, e^{12}, e^{13}, -e^{15} + e^{24}, e^{25} + e^{14}, e^{36}$	$2/57(12, 12, 13, 24, 24, 25, 36, 36, 38)$	{0, 123789, 126789, 13589, 15689, 23567, 257, 36}
953:37	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{34} + e^{15}, e^{16}$	$1/122(53, 50, 56, 100, 103, 109, 153, 156, 162)$	{123479, 145678, 234569, 48}
953:38	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{25} + e^{34}, e^{16}$	$1/37(13, 18, 23, 26, 31, 36, 44, 49, 49)$	{12468, 145678, 234569, 34679}
953:40	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{34} + e^{25}, e^{36}$	$1/67(28, 29, 30, 56, 57, 58, 85, 86, 88)$	{0, 123789, 13589, 257}
953:41	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{23}, e^{16} + e^{24}$	$2/83(14, 19, 28, 37, 33, 42, 52, 47, 56)$	{0, 124678, 1567, 2458}
953:42	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{23} + e^{15}, e^{14} + e^{36}$	$1/67(18, 35, 36, 72, 53, 54, 88, 71, 90)$	{1234789, 134579, 234568, 346}
953:43	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{23}, e^{34} + e^{16}$	$1/85(29, 40, 58, 58, 69, 87, 109, 98, 116)$	{123789, 13579, 235689, 369}
953:44	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{23}, e^{36} + e^{24}$	$1/14(4, 7, 8, 13, 11, 12, 18, 15, 20)$	{123789, 134579, 234568, 36}
953:45	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{25}, e^{16} + e^{23}$	$1/73(19, 38, 54, 76, 57, 73, 76, 95, 92)$	{1234789, 124678, 2345679, 2457}
953:46	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{16} + e^{23}$	$1/61(17, 34, 44, 34, 51, 61, 85, 68, 78)$	{123589, 12568, 236789, 278}
953:48	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{34}, e^{23} + e^{16}$	$2/101(15, 30, 29, 31, 45, 44, 75, 60, 59)$	{123479, 1267, 234569, 25}
953:49	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{14} + e^{25}, e^{16}$	$1/53(17, 26, 34, 52, 43, 51, 60, 69, 68)$	{0, 12678, 1568, 257}
953:50	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{14} + e^{25}, e^{36}$	$1/47(13, 24, 26, 48, 37, 39, 50, 61, 65)$	{1234789, 134589, 234567, 346}
953:51	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{34} + e^{25}, e^{16}$	$1/199(61, 110, 122, 159, 171, 183, 232, 281, 244)$	{0, 124678, 14568, 257}
953:52	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{34}, e^{36}$	$1/71(19, 40, 38, 61, 59, 57, 78, 99, 95)$	{123789, 13589, 234567, 346}
953:63a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16}, e^{25} + e^{14}$	$1/13(4, 7, 7, 14, 11, 11, 15, 15, 18)$	{1234789, 124679, 134589, 14569, 2345678, 2457, 3468, 4}
953:63b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{16}, e^{25} + e^{36} + e^{14}$	$1/13(4, 7, 7, 14, 11, 11, 15, 15, 18)$	{1234789, 124679, 134589, 14569, 2345678, 2457, 3468, 4}
953:65	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16}, e^{15} + e^{24} + e^{36}$	$1/67(28, 30, 29, 56, 58, 57, 88, 85, 86)$	{1345789, 145679, 234568, 245}
953:72	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{14}, e^{25} + e^{16}$	$1/53(20, 23, 26, 52, 43, 46, 63, 72, 66)$	{126789, 15689, 23567, 36}
953:78	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{34}, e^{15} + e^{36}$	$1/67(28, 30, 29, 56, 58, 57, 88, 85, 86)$	{0, 123789, 12679, 368}
953:86a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{15} + e^{34}, e^{16} + e^{24}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{123479, 145678, 234569, 48}
953:86b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25} + e^{14}, e^{34} + e^{15}, e^{24} + e^{16}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{123479, 145678, 234569, 48}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
953:89	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{25} + e^{14}, e^{16} + e^{24}$	$7/62(3, 4, 6, 8, 7, 9, 10, 11, 12)$	{124678, 2457}
953:90a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{14}, e^{16} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 4)$	{123478, 13458, 234567, 346}
953:90b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{14} + e^{25}, e^{16} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 4)$	{123478, 13458, 234567, 346}
953:91	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{14}, e^{36} + e^{24}$	$8/83(3, 5, 6, 10, 8, 9, 11, 13, 15)$	{134589, 234567}
953:92	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{25} + e^{34}, e^{24} + e^{16}$	$37/349(3, 5, 6, 7, 8, 9, 11, 13, 12)$	{0, 124678}
953:93	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{25} + e^{34}, e^{14} + e^{36}$	$21/173(2, 5, 4, 8, 7, 6, 9, 12, 10)$	{234567, 346}
953:94	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{34} + e^{25}, e^{24} + e^{36}$	$14/51(1, 2, 2, 3, 3, 4, 5, 5)$	{123789, 234567}
953:95a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{25} + e^{14}, e^{23} + e^{16}$	$(0, 0, 1, 0, 0, 1, 0, 0, 1)$	{123579, 12567, 236789, 278}
953:95b	$0, 0, 0, 0, e^{12}, e^{13}, -e^{15} + e^{24}, e^{14} + e^{25}, e^{16} + e^{23}$	$(0, 0, 1, 0, 0, 1, 0, 0, 1)$	{123579, 12567, 236789, 278}
953:96	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{15} + e^{34}, e^{16} + e^{23}$	$11/38(1, 2, 0, 4, 3, 1, 5, 4, 2)$	{123479, 234569}
953:97	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{34} + e^{25}, e^{16} + e^{23}$	$29/109(1, 2, 3, 2, 3, 4, 4, 5, 5)$	{123579, 278}
953:107a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36}, e^{25} + e^{34} + e^{16}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{1246789, 145689, 234567, 346}
953:107b	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} - e^{14}, e^{34} + e^{25} + e^{16}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{1246789, 145689, 234567, 346}
953:111	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{36}, e^{16} + e^{25} + e^{34}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{1246789, 346}
953:130a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{23}, e^{25} + e^{36} + e^{14}$	$7/25(1, 2, 2, 4, 3, 3, 4, 4, 5)$	{1234789, 124679, 2345678, 2457}
953:130b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{16} + e^{23}, e^{14} + e^{36} + e^{25}$	$7/25(1, 2, 2, 4, 3, 3, 4, 4, 5)$	{1234789, 124679, 2345678, 2457}
953:132	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{23} + e^{16}, e^{36} + e^{15} + e^{24}$	$49/319(2, 4, 3, 4, 6, 5, 10, 7, 8)$	{123589, 12569}
953:136	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{36} + e^{14}, e^{25} + e^{16}$	$53/367(2, 3, 4, 8, 5, 6, 7, 10, 8)$	{234567, 346}
953:137	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{24} + e^{36}, e^{16} + e^{25}$	$13/88(2, 3, 4, 7, 5, 6, 7, 10, 8)$	{23567, 346}
953:198	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{36}$	$1/9(5, 2, 4, 5, 7, 9, 12, 9, 13)$	{1234789, 123678, 134589, 13568, 234579, 23567, 349, 36}
953:199	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25}, e^{13} + e^{46}$	$1/13(6, 5, 10, 3, 11, 13, 17, 16, 16)$	{1234789, 1236789, 124678, 1278, 134589, 135689, 14568, 158}
953:200	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{46}$	$1/33(15, 12, 24, 10, 27, 34, 42, 39, 44)$	{1234789, 1236789, 134589, 135689, 234579, 235679, 349, 369}
953:201	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{46} + e^{25}$	$1/33(13, 16, 13, 16, 29, 29, 42, 42, 45)$	{0, 1234789, 123679, 134589, 13569, 245678, 257, 468}
953:203a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{13} + e^{25}, e^{36}$	$1/3(1, 1, 2, 1, 2, 3, 3, 3, 5)$	{1234789, 123678, 134589, 13568, 234579, 23567, 349, 36}
953:203b	$0, 0, 0, 0, e^{12}, e^{34}, e^{23} - e^{15}, e^{25} + e^{13}, e^{36}$	$1/3(1, 1, 2, 1, 2, 3, 3, 3, 5)$	{1234789, 123678, 134589, 13568, 234579, 23567, 349, 36}
953:204	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25} + e^{13}, e^{36} + e^{14}$	$1/19(12, 3, 6, 13, 15, 19, 27, 18, 25)$	{1234789, 123678, 134589, 13568}
953:205	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{23} + e^{46}$	$1/107(45, 44, 88, 22, 89, 110, 134, 133, 132)$	{1234789, 1236789, 234579, 235679}
953:206	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{13} + e^{25}, e^{24} + e^{36}$	$1/7(5, 0, 0, 7, 5, 7, 10, 5, 7)$	{1234789, 123678, 234579, 23567}
953:207a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{13} + e^{25}, e^{46}$	$2/15(3, 3, 6, 2, 6, 8, 9, 9, 10)$	{1234789, 1236789, 134589, 135689, 234579, 235679, 349, 369}
953:207b	$0, 0, 0, 0, e^{12}, e^{34}, e^{23} - e^{15}, e^{13} + e^{25}, e^{46}$	$2/15(3, 3, 6, 2, 6, 8, 9, 9, 10)$	{1234789, 1236789, 134589, 135689, 234579, 235679, 349, 369}
953:208	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{25} + e^{14}, e^{36}$	$1/5(1, 2, 2, 4, 3, 6, 4, 5, 8)$	{1234789, 134589, 234579, 349}
953:209	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{36}, e^{46} + e^{13} + e^{25}$	$13/47(2, 1, 2, 1, 3, 3, 5, 4)$	{1234789, 123679, 134589, 13569}
953:210	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{36}, e^{15} + e^{46}$	$1/223(129, 52, 104, 103, 181, 207, 233, 311, 310)$	{1234789, 123679, 234589, 23569}
953:211	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{46} + e^{23}, e^{25} + e^{36}$	$1/131(46, 72, 77, 36, 118, 113, 164, 149, 190)$	{1234789, 124679, 235678, 257}
953:218a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{25} + e^{13}, e^{14} + e^{36}$	$(0, 0, 0, 1, 0, 1, 0, 0, 1)$	{1234789, 123678, 134589, 13568}
953:218b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{15} + e^{23}, e^{13} + e^{25}, e^{14} + e^{36}$	$(0, 0, 0, 1, 0, 1, 0, 0, 1)$	{1234789, 123678, 134589, 13568}
953:219	$0, 0, 0, 0, e^{12}, e^{34}, e^{23} + e^{15}, e^{25} + e^{14}, e^{46} + e^{13}$	$19/157(4, 1, 8, 2, 5, 10, 9, 6, 12)$	{1234789, 134589}
953:220a	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{36}, e^{46} + e^{23} + e^{15}$	$13/73(2, 2, 4, 1, 4, 5, 6, 9, 6)$	{1234789, 123679, 234589, 23569}
953:220b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{13} + e^{25}, e^{36}, e^{46} + e^{15} + e^{23}$	$13/73(2, 2, 4, 1, 4, 5, 6, 9, 6)$	{1234789, 123679, 234589, 23569}
953:221	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{13} + e^{46}, e^{25} + e^{36}$	$29/349(4, 7, 8, 2, 11, 10, 15, 12, 18)$	{1234789, 134589}
953:222	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{46} + e^{23}, e^{36} + e^{25} + e^{14}$	$13/31(2, 0, 1, 0, 2, 1, 4, 1, 2)$	{1234789, 124679}
953:223a	$0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{36} + e^{14}, e^{25} + e^{46}$	$1/5(0, 4, 0, 4, 4, 4, 4, 8)$	{1234789, 123679, 134589, 13569}
953:223b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{15} + e^{23}, e^{14} + e^{36}, e^{25} + e^{46}$	$1/5(0, 4, 0, 4, 4, 4, 4, 8)$	{1234789, 123679, 134589, 13569}
952:2	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{25}$	$1/47(19, 20, 30, 32, 39, 49, 62, 58, 59)$	{0, 123489, 123789, 1246789, 12689, 13459, 13579, 145679, 1569, 234568, 235678, 24578, 258, 346, 367, 47}
952:3	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25}$	$1/31(10, 15, 26, 26, 25, 36, 36, 35, 40)$	{0, 123489, 123789, 124689, 126789, 13459, 13579, 14569, 15679, 2345678, 23568, 24578, 258, 3467, 36, 47}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:4	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{25}$	$2/5(1, 1, 2, 2, 2, 3, 3, 3)$	$\{\emptyset, 123489, 123789, 124689, 126789, 134579, 1359, 145679, 1569, 234568, 235678, 2458, 2578, 3467, 36, 47\}$
952:5	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}, e^{25}$	$1/29(12, 12, 19, 19, 24, 38, 31, 36, 36)$	$\{\emptyset, 123489, 12789, 13569, 145679, 235678, 24568, 347\}$
952:6	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{25} + e^{34}$	$1/227(91, 110, 141, 170, 201, 232, 251, 292, 311)$	$\{\emptyset, 12389, 1246789, 13579, 14569, 234568, 2578, 3467\}$
952:7	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{25}$	$1/112(40, 50, 87, 97, 90, 127, 137, 130, 140)$	$\{\emptyset, 123489, 126789, 13579, 14569, 23568, 24578, 3467\}$
952:8	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{15} + e^{23}$	$1/43(15, 20, 30, 28, 35, 45, 58, 55, 50)$	$\{123489, 123789, 13458, 13578, 234569, 235679, 346, 367\}$
952:9	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{34}$	$3/17(2, 3, 4, 4, 5, 6, 6, 7, 8)$	$\{\emptyset, 123789, 124689, 13579, 14569, 2345678, 258, 3467\}$
952:10	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{34} + e^{15}$	$1/144(64, 62, 95, 95, 126, 159, 159, 188, 190)$	$\{\emptyset, 123789, 124689, 13458, 15678, 23569, 24579, 3467\}$
952:11	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{25} + e^{34}$	$1/23(9, 11, 16, 15, 20, 25, 26, 29, 31)$	$\{\emptyset, 123789, 124689, 1359, 145679, 234568, 2578, 3467\}$
952:12	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{14} + e^{25}$	$1/43(19, 16, 26, 32, 35, 45, 58, 54, 51)$	$\{123489, 1246789, 13459, 145679, 234568, 24578, 346, 47\}$
952:14	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{25} + e^{14}$	$1/29(11, 13, 21, 26, 24, 32, 34, 35, 37)$	$\{\emptyset, 12389, 126789, 13579, 1569, 23568, 2578, 367\}$
952:15	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{23} + e^{15}$	$1/79(30, 35, 60, 64, 65, 90, 94, 100, 95)$	$\{\emptyset, 124689, 126789, 14568, 15678, 24579, 259, 47\}$
952:17	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{34} + e^{25}$	$9/184(8, 10, 13, 15, 18, 21, 23, 26, 28)$	$\{\emptyset, 13579, 14569, 3467\}$
952:18	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}, e^{15} + e^{34}$	$1/113(50, 49, 75, 74, 99, 125, 124, 148, 149)$	$\{123789, 124689, 13458, 15678\}$
952:19a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{24}, e^{15}, e^{25}$	$2/5(1, 1, 2, 2, 2, 3, 3, 3)$	$\{\emptyset, 123489, 126789, 13569, 14579, 23578, 24568, 3467\}$
952:19b	$0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{24} + e^{13}, e^{15}, e^{25}$	$2/5(1, 1, 2, 2, 2, 3, 3, 3)$	$\{\emptyset, 123489, 126789, 13569, 14579, 23578, 24568, 3467\}$
952:20	$0, 0, 0, 0, e^{12}, e^{34}, e^{23} + e^{14}, e^{15}, e^{13} + e^{25}$	$1/53(24, 19, 38, 33, 43, 71, 57, 67, 62)$	$\{123489, 135679, 23568, 347\}$
952:23	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{34} + e^{25}$	$1/22(8, 11, 16, 14, 19, 24, 25, 27, 30)$	$\{123789, 1359, 234568, 3467\}$
952:24	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25}, e^{15} + e^{24}$	$1/401(159, 169, 308, 318, 328, 467, 477, 497, 487)$	$\{\emptyset, 126789, 13578, 23569\}$
952:25	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{23} + e^{15}, e^{25} + e^{14}$	$1/31(11, 12, 22, 24, 23, 33, 46, 34, 35)$	$\{123489, 13459, 234568, 346\}$
952:27a	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{15}, e^{34} + e^{25}$	$9/41(2, 2, 3, 3, 4, 5, 5, 6, 6)$	$\{123789, 124689, 23458, 25678\}$
952:27b	$0, 0, 0, 0, e^{12}, e^{23} - e^{14}, e^{24} + e^{13}, e^{15}, e^{25} + e^{34}$	$9/41(2, 2, 3, 3, 4, 5, 5, 6, 6)$	$\{123789, 124689, 23458, 25678\}$
952:28a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{14} + e^{25}$	$1/43(18, 18, 31, 36, 36, 49, 49, 54, 54)$	$\{\emptyset, 12389, 126789, 13579, 1569, 23568, 2578, 367\}$
952:28b	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} - e^{15}, e^{25} + e^{14}$	$1/43(18, 18, 31, 36, 36, 49, 49, 54, 54)$	$\{\emptyset, 12389, 126789, 13579, 1569, 23568, 2578, 367\}$
952:30	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{24}, e^{25} + e^{34}$	$21/167(3, 4, 5, 6, 7, 8, 9, 10, 11)$	$\{14569, 3467\}$
952:31	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{24}, e^{15} + e^{23}, e^{25} + e^{14}$	$7/19(1, 1, 2, 2, 2, 4, 3, 3)$	$\{123489, 347\}$
952:35	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16}$	$1/11(2, 9, 9, 10, 11, 11, 12, 13, 13)$	$\{\emptyset, 123489, 123789, 12468, 12678, 13459, 13579, 1456, 1567, 23456789, 235689, 24578, 258, 34679, 369, 47\}$
952:36	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{16}$	$1/24(6, 13, 18, 21, 19, 24, 27, 32, 30)$	$\{\emptyset, 123489, 123789, 12468, 12678, 134589, 135789, 14568, 15678, 2345679, 23569, 2457, 25, 34679, 369, 47\}$
952:37	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{16}$	$1/19(5, 12, 14, 13, 17, 19, 25, 22, 24)$	$\{\emptyset, 123489, 123789, 12468, 12678, 134579, 1359, 14567, 156, 2345689, 2356789, 2458, 2578, 34679, 369, 47\}$
952:38	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{16}$	$1/47(15, 22, 32, 36, 37, 47, 58, 59, 62)$	$\{\emptyset, 123489, 123789, 12468, 12678, 1345789, 13589, 145678, 1568, 234569, 235679, 245, 257, 34679, 369, 47\}$
952:39	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{36}$	$1/15(6, 7, 7, 12, 13, 13, 18, 20, 20)$	$\{\emptyset, 123489, 123789, 124689, 126789, 134589, 135789, 145689, 156789, 234567, 2356, 2457, 25, 3467, 36, 47\}$
952:40	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{36}$	$2/33(6, 9, 8, 12, 15, 14, 21, 21, 22)$	$\{\emptyset, 123489, 123789, 124689, 126789, 134579, 1359, 145679, 1569, 234568, 235678, 2458, 2578, 3467, 36, 47\}$
952:41	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{36}$	$1/33(18, 12, 13, 27, 30, 31, 39, 42, 44)$	$\{\emptyset, 123489, 123789, 124689, 126789, 1345789, 13589, 1456789, 15689, 23456, 23567, 245, 257, 3467, 36, 47\}$
952:42	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{16}$	$1/38(11, 24, 24, 37, 35, 35, 48, 46, 46)$	$\{\emptyset, 123489, 12678, 13579, 1456, 235689, 24578, 34679\}$
952:43	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}, e^{16}$	$1/144(42, 73, 98, 129, 115, 140, 171, 188, 182)$	$\{\emptyset, 123489, 12678, 135789, 14568, 23569, 2457, 34679\}$
952:44	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25}, e^{36}$	$1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)$	$\{123789, 124689, 134589, 156789, 234567, 25, 36, 47\}$
952:45	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{24}$	$1/38(11, 24, 30, 28, 35, 41, 39, 46, 52)$	$\{\emptyset, 123789, 12468, 13459, 1567, 235689, 24578, 34679\}$
952:46	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{24} + e^{16}$	$1/144(42, 73, 106, 117, 115, 148, 159, 188, 190)$	$\{\emptyset, 123789, 12468, 134589, 15678, 23569, 2457, 34679\}$
952:48	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{36} + e^{24}$	$1/297(90, 193, 167, 231, 283, 257, 321, 373, 424)$	$\{\emptyset, 123789, 126789, 13459, 14569, 2345678, 24578, 36\}$
952:49	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{16} + e^{34}$	$1/33(12, 16, 21, 24, 28, 33, 36, 44, 45)$	$\{\emptyset, 123789, 12678, 135789, 15678, 23569, 25, 369\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:50	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{36} + e^{24}$	$1/52(20, 25, 24, 43, 45, 44, 63, 70, 68)$	$\{123489, 124689, 135789, 156789, 2356, 25, 3467, 47\}$
952:51	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{14} + e^{36}$	$2/29(6, 7, 6, 12, 13, 12, 19, 18)$	$\{123489, 124689, 134579, 145679, 234568, 2458, 3467, 47\}$
952:52	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{16} + e^{34}$	$1/13(4, 8, 9, 8, 12, 13, 16, 16, 17)$	$\{\emptyset, 123789, 12678, 1359, 156, 2356789, 2578, 369\}$
952:53	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{36} + e^{14}$	$1/317(170, 117, 128, 256, 287, 298, 373, 404, 426)$	$\{\emptyset, 123789, 126789, 13589, 15689, 23567, 257, 36\}$
952:54	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{34} + e^{16}$	$1/11(4, 5, 7, 8, 9, 11, 13, 14, 15)$	$\{\emptyset, 123789, 12678, 13589, 1568, 235679, 257, 369\}$
952:55	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{24} + e^{16}$	$1/23(7, 15, 15, 14, 22, 22, 29, 29, 29)$	$\{\emptyset, 123789, 124678, 13459, 156, 2356789, 24578, 3469\}$
952:56	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{16} + e^{24}$	$1/139(49, 69, 75, 104, 118, 124, 179, 187, 173)$	$\{123489, 1268, 135789, 145678, 234569, 25, 3679, 47\}$
952:57	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{36} + e^{14}$	$1/43(15, 28, 18, 36, 43, 33, 54, 58, 51)$	$\{123489, 1246789, 13459, 145679, 234568, 24578, 346, 47\}$
952:58	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{36} + e^{24}$	$1/281(96, 176, 139, 198, 272, 235, 337, 368, 374)$	$\{\emptyset, 123789, 12689, 13459, 145679, 234568, 24578, 367\}$
952:59	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{14} + e^{36}$	$1/69(36, 28, 27, 54, 64, 63, 81, 92, 90)$	$\{\emptyset, 123789, 12689, 135789, 15689, 23567, 25, 367\}$
952:60	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{36} + e^{24}$	$1/139(75, 56, 49, 117, 131, 124, 166, 187, 173)$	$\{123489, 1246789, 135789, 15689, 23567, 25, 346, 47\}$
952:61	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{24} + e^{16}$	$1/49(17, 26, 32, 40, 43, 49, 58, 60, 66)$	$\{\emptyset, 12389, 124678, 134579, 156, 235689, 24578, 34679\}$
952:62	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25}, e^{24} + e^{16}$	$1/11(4, 5, 7, 10, 9, 11, 12, 14, 15)$	$\{\emptyset, 12389, 124678, 1345789, 1568, 23569, 2457, 34679\}$
952:63	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{36} + e^{14}$	$1/227(75, 143, 111, 222, 218, 186, 254, 293, 297)$	$\{\emptyset, 12389, 126789, 13579, 1569, 23568, 2578, 367\}$
952:65	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{36} + e^{24}$	$1/297(108, 166, 155, 252, 274, 263, 321, 382, 418)$	$\{\emptyset, 12389, 126789, 134579, 14569, 234568, 24578, 367\}$
952:66	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25}, e^{36} + e^{14}$	$1/59(26, 27, 28, 56, 53, 54, 55, 80, 82)$	$\{123789, 12689, 13589, 156789, 23567, 25, 36, 7\}$
952:67	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25}, e^{16} + e^{34}$	$1/81(33, 37, 47, 66, 70, 80, 84, 107, 113)$	$\{\emptyset, 12389, 12678, 135789, 1568, 23569, 257, 3679\}$
952:68	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25}, e^{24} + e^{36}$	$1/43(20, 19, 20, 41, 39, 40, 39, 58, 60)$	$\{123789, 12689, 134589, 1456789, 234567, 245, 36, 7\}$
952:69	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{23}$	$1/13(4, 8, 9, 11, 12, 13, 15, 16, 17)$	$\{\emptyset, 13459, 13579, 1456, 1567, 34679, 369, 47\}$
952:70	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{23} + e^{16}$	$1/83(22, 44, 61, 72, 66, 83, 94, 110, 105)$	$\{\emptyset, 134589, 135789, 14568, 15678, 34679, 369, 47\}$
952:71	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{23} + e^{16}$	$1/17(5, 10, 12, 12, 15, 17, 22, 20, 22)$	$\{\emptyset, 134579, 1359, 14567, 156, 34679, 369, 47\}$
952:72	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{23} + e^{16}$	$1/43(11, 22, 32, 32, 33, 43, 54, 55, 54)$	$\{123489, 123789, 12468, 12678, 234569, 235679, 245, 257\}$
952:73	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{15}, e^{16}$	$1/227(73, 132, 146, 161, 205, 219, 293, 278, 292)$	$\{\emptyset, 12468, 12678, 14567, 156, 2458, 2578, 47\}$
952:74	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{36}$	$2/29(4, 9, 8, 10, 13, 12, 19, 17, 20)$	$\{123489, 123789, 134579, 1359, 234568, 235678, 3467, 36\}$
952:80	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{25}$	$1/79(22, 43, 64, 68, 65, 86, 90, 87, 108)$	$\{\emptyset, 123489, 123789, 13459, 13579, 24578, 258, 47\}$
952:81	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{16} + e^{25}$	$1/23(7, 12, 17, 17, 19, 24, 29, 26, 31)$	$\{\emptyset, 123489, 123789, 134579, 1359, 2458, 2578, 47\}$
952:82a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{36}$	$1/81(24, 47, 47, 69, 71, 71, 93, 95, 118)$	$\{\emptyset, 123489, 123789, 124689, 126789, 13459, 13579, 14569, 15679, 2345678, 23568, 24578, 258, 3467, 36, 47\}$
952:82b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{36} + e^{25}$	$1/81(24, 47, 47, 69, 71, 71, 93, 95, 118)$	$\{\emptyset, 123489, 123789, 124689, 126789, 13459, 13579, 14569, 15679, 2345678, 23568, 24578, 258, 3467, 36, 47\}$
952:84	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{36} + e^{15}$	$1/52(22, 24, 23, 41, 46, 45, 63, 70, 68)$	$\{134589, 135789, 145689, 156789, 234567, 2356, 2457, 25\}$
952:86a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{36} + e^{25}$	$1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)$	$\{\emptyset, 123489, 123789, 124689, 126789, 134579, 1359, 145679, 1569, 234568, 235678, 2458, 2578, 3467, 36, 47\}$
952:86b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{15}, e^{36} + e^{25}$	$1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)$	$\{\emptyset, 123489, 123789, 124689, 126789, 134579, 1359, 145679, 1569, 234568, 235678, 2458, 2578, 3467, 36, 47\}$
952:88	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{15} + e^{36}$	$1/16(8, 6, 7, 13, 14, 15, 19, 20, 22)$	$\{\emptyset, 123489, 123789, 124689, 126789, 3467, 36, 47\}$
952:90	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{16} + e^{25}$	$1/281(100, 137, 174, 194, 237, 274, 368, 337, 374)$	$\{\emptyset, 123489, 123789, 13459, 13579, 24578, 258, 47\}$
952:91a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{36} + e^{25}$	$1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)$	$\{\emptyset, 123489, 123789, 1246789, 12689, 13459, 13579, 145679, 1569, 234568, 235678, 24578, 258, 346, 367, 47\}$
952:91b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{15}, e^{25} + e^{36}$	$1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)$	$\{\emptyset, 123489, 123789, 1246789, 12689, 13459, 13579, 145679, 1569, 234568, 235678, 24578, 258, 346, 367, 47\}$
952:93	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{36} + e^{15}$	$1/41(19, 17, 18, 32, 36, 37, 50, 53, 55)$	$\{\emptyset, 123489, 123789, 1246789, 12689, 346, 367, 47\}$
952:95	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{24} + e^{16}$	$1/97(34, 51, 63, 80, 85, 97, 114, 119, 131)$	$\{12389, 124678, 134579, 156\}$
952:96	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25}, e^{16} + e^{24}$	$1/56(18, 27, 38, 47, 45, 56, 65, 72, 74)$	$\{\emptyset, 23569, 2457, 34679\}$
952:98	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{36} + e^{24}$	$1/15(5, 9, 8, 12, 14, 13, 17, 19, 21)$	$\{\emptyset, 126789, 14569, 24578\}$
952:99	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}, e^{16} + e^{34}$	$1/171(63, 82, 107, 126, 145, 170, 189, 227, 233)$	$\{\emptyset, 12678, 135789, 23569\}$
952:100	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25}, e^{36} + e^{24}$	$1/45(13, 25, 24, 36, 38, 37, 49, 63, 61)$	$\{124689, 156789, 25, 47\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:104	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{16} + e^{24}$	$1/109(35, 59, 71, 82, 94, 106, 117, 153, 141)$	$\{\emptyset, 123789, 12468, 34679\}$
952:105	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{36} + e^{24}$	$2/59(11, 14, 14, 25, 25, 36, 39, 39)$	$\{123489, 156789, 2356, 47\}$
952:106	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{34}, e^{14} + e^{36}$	$1/122(49, 58, 52, 104, 107, 101, 162, 156, 153)$	$\{123489, 145679, 234568, 47\}$
952:107	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{14} + e^{36}$	$1/53(28, 19, 22, 44, 47, 50, 63, 66, 72)$	$\{126789, 15689, 23567, 36\}$
952:111	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{14}, e^{24} + e^{36}$	$1/217(98, 100, 101, 200, 198, 199, 201, 298, 300)$	$\{123789, 12689, 36, 7\}$
952:112a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34} + e^{15}, e^{16} + e^{24}$	$1/19(7, 11, 11, 14, 18, 18, 22, 25, 25)$	$\{\emptyset, 12389, 124678, 134579, 156, 235689, 24578, 34679\}$
952:112b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{16} + e^{24}$	$1/19(7, 11, 11, 14, 18, 18, 22, 25, 25)$	$\{\emptyset, 12389, 124678, 134579, 156, 235689, 24578, 34679\}$
952:113	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34} + e^{25}, e^{16} + e^{24}$	$1/109(41, 55, 62, 89, 96, 103, 117, 151, 144)$	$\{\emptyset, 12389, 124678, 34679\}$
952:114	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{34}, e^{24} + e^{36}$	$1/53(25, 24, 24, 49, 49, 49, 48, 73, 73)$	$\{123789, 1456789, 234567, 7\}$
952:115	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{16} + e^{24}$	$1/86(29, 52, 58, 64, 81, 87, 93, 110, 116)$	$\{\emptyset, 12468, 1567, 24578\}$
952:117	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{24} + e^{36}$	$1/461(133, 305, 266, 360, 438, 399, 493, 571, 665)$	$\{123789, 13459, 2345678, 36\}$
952:118	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{36} + e^{14}$	$2/17(2, 5, 4, 8, 7, 6, 13, 9, 10)$	$\{123489, 134579, 234568, 3467\}$
952:119	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{16} + e^{34}$	$1/49(16, 29, 32, 32, 45, 48, 61, 61, 64)$	$\{\emptyset, 12678, 156, 2578\}$
952:120	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{16} + e^{24}$	$1/193(61, 124, 122, 120, 185, 183, 242, 246, 244)$	$\{\emptyset, 124678, 156, 24578\}$
952:121	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{14} + e^{36}$	$1/31(7, 24, 14, 28, 31, 21, 42, 38, 35)$	$\{123489, 13459, 234568, 346\}$
952:122	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{24} + e^{36}$	$1/509(139, 352, 278, 343, 491, 417, 621, 630, 695)$	$\{123789, 13459, 234568, 367\}$
952:123	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{25} + e^{16}$	$1/131(41, 67, 93, 119, 108, 134, 160, 149, 175)$	$\{\emptyset, 123489, 13579, 24578\}$
952:124a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{36} + e^{25}$	$1/137(41, 79, 79, 117, 120, 120, 158, 161, 199)$	$\{\emptyset, 123489, 126789, 13579, 14569, 23568, 24578, 3467\}$
952:124b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{36} + e^{25}$	$1/137(41, 79, 79, 117, 120, 120, 158, 161, 199)$	$\{\emptyset, 123489, 126789, 13579, 14569, 23568, 24578, 3467\}$
952:126	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25}, e^{15} + e^{36}$	$1/28(10, 16, 13, 19, 26, 23, 29, 42, 36)$	$\{134589, 156789, 234567, 25\}$
952:129	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{15} + e^{36} + e^{24}$	$2/59(12, 14, 13, 24, 26, 25, 36, 40, 38)$	$\{135789, 156789, 2356, 25\}$
952:130a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{14} + e^{36} + e^{25}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{123489, 124689, 134579, 145679, 234568, 2458, 3467, 47\}$
952:130b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{15}, e^{36} + e^{25} + e^{14}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{123489, 124689, 134579, 145679, 234568, 2458, 3467, 47\}$
952:132	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{16} + e^{25} + e^{34}$	$2/77(13, 20, 27, 26, 33, 40, 46, 46, 53)$	$\{\emptyset, 123789, 1359, 2578\}$
952:134a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{14} + e^{36} + e^{25}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{123489, 1246789, 13459, 145679, 234568, 24578, 346, 47\}$
952:134b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{15}, e^{36} + e^{25} + e^{14}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{123489, 1246789, 13459, 145679, 234568, 24578, 346, 47\}$
952:136	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{36} + e^{15} + e^{24}$	$1/67(28, 30, 29, 56, 58, 57, 85, 88, 86)$	$\{123489, 1246789, 346, 47\}$
952:139a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{25} + e^{36}$	$1/51(19, 27, 27, 38, 46, 46, 57, 65, 73)$	$\{\emptyset, 123789, 126789, 13579, 15679, 23568, 258, 36\}$
952:139b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{36} + e^{25}$	$1/51(19, 27, 27, 38, 46, 46, 57, 65, 73)$	$\{\emptyset, 123789, 126789, 13579, 15679, 23568, 258, 36\}$
952:141	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{14}, e^{36} + e^{15}$	$2/127(31, 25, 28, 50, 56, 59, 75, 81, 87)$	$\{\emptyset, 123789, 126789, 36\}$
952:143	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{16} + e^{25}$	$1/109(43, 55, 67, 74, 98, 110, 117, 141, 153)$	$\{\emptyset, 123789, 13459, 24578\}$
952:144	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{15}, e^{25} + e^{16}$	$1/26(10, 13, 16, 17, 23, 26, 30, 33, 36)$	$\{\emptyset, 123789, 134579, 2458\}$
952:145a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{15}, e^{36} + e^{25}$	$1/51(19, 27, 27, 38, 46, 46, 57, 65, 73)$	$\{\emptyset, 123789, 124689, 13459, 15679, 23568, 24578, 3467\}$
952:145b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{25} + e^{36}$	$1/51(19, 27, 27, 38, 46, 46, 57, 65, 73)$	$\{\emptyset, 123789, 124689, 13459, 15679, 23568, 24578, 3467\}$
952:147	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{36} + e^{15}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{134589, 156789, 2356, 2457\}$
952:153	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{24} + e^{15}, e^{25} + e^{16}$	$1/37(13, 18, 23, 26, 31, 36, 49, 44, 49)$	$\{123489, 13459, 24578, 47\}$
952:154	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{14} + e^{25}, e^{36} + e^{15}$	$3/241(38, 32, 35, 64, 70, 73, 99, 102, 108)$	$\{123489, 1246789, 346, 47\}$
952:159a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{34}, e^{16} + e^{24}$	$7/37(2, 3, 3, 4, 5, 5, 6, 7, 7)$	$\{12389, 124678, 134579, 156\}$
952:159b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{34}, e^{16} + e^{24}$	$7/37(2, 3, 3, 4, 5, 5, 6, 7, 7)$	$\{12389, 124678, 134579, 156\}$
952:160	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{34} + e^{25}, e^{16} + e^{24}$	$7/81(4, 6, 7, 9, 10, 11, 13, 16, 15)$	$\{\emptyset, 34679\}$
952:161	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{34} + e^{25}, e^{36} + e^{24}$	$14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)$	$\{156789, 47\}$
952:162a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{25} + e^{36} + e^{14}$	$1/25(9, 13, 13, 26, 22, 22, 26, 31, 35)$	$\{123489, 1246789, 134579, 14569, 234568, 24578, 3467, 4\}$
952:162b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{15}, e^{14} + e^{36} + e^{25}$	$1/25(9, 13, 13, 26, 22, 22, 26, 31, 35)$	$\{123489, 1246789, 134579, 14569, 234568, 24578, 3467, 4\}$
952:164	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{34} + e^{25} + e^{16}$	$1/26(10, 13, 16, 20, 23, 26, 29, 33, 36)$	$\{\emptyset, 12389, 13579, 2578\}$
952:165	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25}, e^{15} + e^{24} + e^{36}$	$1/59(28, 26, 27, 56, 54, 55, 53, 80, 82)$	$\{134589, 1456789, 234567, 245\}$
952:167	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{16} + e^{25}$	$1/26(10, 13, 16, 20, 23, 26, 29, 33, 36)$	$\{\emptyset, 12389, 13579, 2578\}$
952:172	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{16} + e^{25}$	$1/147(61, 72, 83, 111, 133, 144, 155, 194, 205)$	$\{\emptyset, 12389, 134579, 24578\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:175	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34} + e^{25}, e^{36} + e^{15}$	$1/85(38, 40, 39, 79, 78, 77, 79, 118, 116)$	{123789, 124689, 346, 7}
952:177	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{16} + e^{25}$	$1/41(14, 21, 28, 34, 35, 42, 48, 49, 56)$	{0, 24578, 258, 47}
952:178	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{25} + e^{16}$	$2/83(14, 21, 28, 31, 35, 42, 52, 49, 56)$	{0, 2458, 2578, 47}
952:179a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{36} + e^{25}$	$1/137(40, 80, 80, 117, 120, 120, 157, 160, 200)$	{123489, 123789, 13459, 13579, 2345678, 23568, 3467, 36}
952:179b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{25} + e^{36}$	$1/137(40, 80, 80, 117, 120, 120, 157, 160, 200)$	{123489, 123789, 13459, 13579, 2345678, 23568, 3467, 36}
952:181a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{25} + e^{36}$	$1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)$	{123489, 123789, 134579, 1359, 234568, 235678, 3467, 36}
952:181b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{23} + e^{15}, e^{36} + e^{25}$	$1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)$	{123489, 123789, 134579, 1359, 234568, 235678, 3467, 36}
952:183	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{25} + e^{16}$	$1/211(70, 105, 140, 141, 175, 210, 281, 245, 280)$	{123489, 123789, 13459, 13579}
952:184a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{25} + e^{36}$	$1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)$	{123489, 123789, 13459, 13579, 234568, 235678, 346, 367}
952:184b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{23} + e^{15}, e^{36} + e^{25}$	$1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)$	{123489, 123789, 13459, 13579, 234568, 235678, 346, 367}
952:189	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{16}, e^{15} + e^{36}$	$2/59(13, 13, 13, 23, 26, 26, 36, 39, 39)$	{145689, 156789, 234567, 2356}
952:191	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{16} + e^{25}, e^{15} + e^{36}$	$2/59(13, 13, 13, 23, 26, 26, 36, 39, 39)$	{0, 123489, 123789, 47}
952:196	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{16} + e^{25} + e^{34}$	$21/167(3, 4, 5, 6, 7, 8, 9, 10, 11)$	{0, 13579}
952:197	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}, e^{15} + e^{24} + e^{36}$	$11/95(3, 5, 4, 6, 8, 7, 9, 13, 11)$	{156789, 25}
952:198	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{15}, e^{25} + e^{16}$	$21/167(3, 4, 5, 6, 7, 8, 9, 10, 11)$	{0, 13579}
952:199a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{15}, e^{36} + e^{25}$	$43/237(2, 3, 3, 4, 5, 5, 6, 7, 8)$	{123789, 15679, 258, 36}
952:199b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{15} + e^{24}, e^{36} + e^{25}$	$43/237(2, 3, 3, 4, 5, 5, 6, 7, 8)$	{123789, 15679, 258, 36}
952:201	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{34}, e^{16} + e^{25}$	$79/793(4, 5, 6, 7, 9, 10, 11, 13, 14)$	{0, 24578}
952:202a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{34} + e^{15}, e^{25} + e^{36}$	$43/237(2, 3, 3, 4, 5, 5, 6, 7, 8)$	{123789, 124689, 13459, 15679}
952:202b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{34}, e^{36} + e^{25}$	$43/237(2, 3, 3, 4, 5, 5, 6, 7, 8)$	{123789, 124689, 13459, 15679}
952:204	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25} + e^{34}, e^{15} + e^{36}$	$1/8(0, 6, 3, 9, 6, 3, 9, 12, 6)$	{123579, 124569}
952:211a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14}, e^{15} + e^{24} + e^{36}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{123489, 1246789, 346, 47}
952:211b	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} - e^{14}, e^{36} + e^{24} + e^{15}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{123489, 1246789, 346, 47}
952:218a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{25} + e^{14} + e^{36}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{124689, 13459, 2458, 346}
952:218b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{14} + e^{25} + e^{36}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{124689, 13459, 2458, 346}
952:220	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{34}, e^{24} + e^{36} + e^{15}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{123789, 7}
952:223a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{25} + e^{14} + e^{36}$	$1/4(1, 2, 2, 4, 3, 3, 6, 4, 5)$	{123489, 134579, 234568, 3467}
952:223b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{23} + e^{15}, e^{36} + e^{25} + e^{14}$	$1/4(1, 2, 2, 4, 3, 3, 6, 4, 5)$	{123489, 134579, 234568, 3467}
952:225	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{25} + e^{16} + e^{34}$	$23/134(2, 3, 4, 4, 5, 6, 7, 7, 8)$	{0, 2578}
952:226a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{14} + e^{36} + e^{25}$	$1/4(1, 2, 2, 4, 3, 3, 6, 4, 5)$	{123489, 13459, 234568, 346}
952:226b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{25} + e^{14} + e^{36}$	$1/4(1, 2, 2, 4, 3, 3, 6, 4, 5)$	{123489, 13459, 234568, 346}
952:228	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25} + e^{16}, e^{36} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{156789, 234567}
952:235	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{15}, e^{34} + e^{25} + e^{16}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	{1345789, 245}
952:241	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{16} + e^{25}, e^{36} + e^{15} + e^{24}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{134589, 245}
952:259a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{34} + e^{27} + e^{16}$	$1/7(3, 3, 4, 6, 6, 7, 7, 9, 10)$	{0, 12389, 12678, 13579, 156, 235689, 2578, 3679}
952:259b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{15}, e^{34} + e^{27} + e^{16}$	$1/7(3, 3, 4, 6, 6, 7, 7, 9, 10)$	{0, 12389, 12678, 13579, 156, 235689, 2578, 3679}
952:263	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{14}, e^{16} + e^{37}$	$1/54(25, 24, 26, 48, 49, 51, 50, 73, 76)$	{0, 12389, 1568, 23569}
952:264	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{24}, e^{16} + e^{37}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{12789, 13567, 256789, 37}
952:265a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{16} + e^{27}$	$1/149(67, 67, 76, 125, 134, 143, 143, 201, 210)$	{0, 12389, 124678, 134579, 156, 235689, 24578, 34679}
952:265b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{34} + e^{15}, e^{27} + e^{16}$	$1/149(67, 67, 76, 125, 134, 143, 143, 201, 210)$	{0, 12389, 124678, 134579, 156, 235689, 24578, 34679}
952:267	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{16} + e^{37}$	$1/59(27, 28, 26, 56, 55, 53, 54, 82, 80)$	{124789, 134567, 2456789, 347}
952:268	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34} + e^{15}, e^{36} + e^{27}$	$1/117(53, 54, 55, 105, 107, 108, 109, 160, 163)$	{0, 12389, 134579, 24578}
952:282	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{14} + e^{27} + e^{36}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{134579, 24578}
952:285	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{16} + e^{25} + e^{37}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{124789, 347}
952:287a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{16}, e^{37} + e^{24} + e^{15}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{0, 12389, 13578, 2579}
952:287b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{25} + e^{16}, e^{24} + e^{37} + e^{15}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{0, 12389, 13578, 2579}
952:292a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{36} + e^{25}, e^{37} + e^{24} + e^{15}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{0, 12389, 126789, 13578, 1568, 23569, 2579, 367}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:292b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{25} + e^{36}, e^{15} + e^{37} + e^{24}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 126789, 13578, 1568, 23569, 2579, 367\}$
952:292c	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{36} + e^{25}, e^{15} + e^{24} + e^{37}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 126789, 13578, 1568, 23569, 2579, 367\}$
952:292d	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{25} + e^{36}, e^{15} + e^{24} + e^{37}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 126789, 13578, 1568, 23569, 2579, 367\}$
952:293a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{36}, e^{15} + e^{34} + e^{27}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 1568, 23569\}$
952:293b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{36} + e^{25}, e^{34} + e^{15} + e^{27}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 1568, 23569\}$
952:313	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{36}$	$1/5(2, 3, 2, 3, 5, 5, 4, 7, 7)$	$\{1234789, 123678, 124689, 128, 134579, 13567, 14569, 15, 234589, 23568, 2456789, 2578, 349, 36, 4679, 7\}$
952:315	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{46}$	$4/21(3, 2, 3, 2, 5, 5, 6, 7, 7)$	$\{\emptyset, 123489, 123689, 124678, 1278, 134589, 135689, 145678, 1578, 234579, 235679, 2456, 25, 3479, 3679, 46\}$
952:316	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{24}, e^{15}, e^{36}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{123678, 124689, 134579, 15, 234589, 2578, 36, 4679\}$
952:318	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15} + e^{23}, e^{36}$	$1/4(1, 3, 2, 2, 4, 4, 3, 5, 6)$	$\{1234789, 123678, 134579, 13567, 234589, 23568, 349, 36\}$
952:320	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{24} + e^{36}$	$1/21(8, 14, 7, 14, 22, 21, 15, 30, 28)$	$\{1234789, 123678, 124689, 128, 234589, 23568, 2456789, 2578\}$
952:322	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{23} + e^{46}$	$4/17(2, 2, 3, 1, 4, 4, 5, 6, 5)$	$\{123489, 123689, 124678, 1278, 234579, 235679, 2456, 25\}$
952:323	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{24} + e^{36}$	$1/21(14, 8, 4, 17, 22, 21, 18, 30, 25)$	$\{1234789, 123678, 124689, 128, 23459, 2356, 245679, 257\}$
952:324	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{25} + e^{36}$	$1/31(13, 16, 13, 19, 29, 32, 26, 42, 45)$	$\{1234789, 124689, 134579, 14569, 23568, 2578, 36, 7\}$
952:325	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{15} + e^{36}$	$1/57(31, 21, 23, 37, 52, 60, 54, 73, 83)$	$\{1234789, 124689, 135678, 158, 23459, 245679, 36, 7\}$
952:326	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{46} + e^{25}$	$1/123(46, 65, 80, 48, 111, 128, 126, 157, 176)$	$\{\emptyset, 123489, 123689, 13459, 13569, 24568, 258, 46\}$
952:327	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{15} + e^{46}$	$1/10(5, 4, 6, 4, 9, 10, 11, 13, 14)$	$\{\emptyset, 123489, 123689, 145678, 1578, 234579, 235679, 46\}$
952:328	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{13} + e^{25}, e^{36}$	$4/13(2, 1, 2, 1, 3, 3, 3, 4, 5)$	$\{123678, 134589, 234579, 36\}$
952:331	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{15}, e^{36} + e^{25}$	$1/211(75, 117, 89, 131, 192, 220, 206, 267, 309)$	$\{124689, 13459, 258, 36\}$
952:338	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15} + e^{23}, e^{36} + e^{14}$	$(0, 1, 0, 1, 1, 1, 0, 1, 1)$	$\{1234789, 123678, 134579, 13567\}$
952:339	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15} + e^{23}, e^{24} + e^{36}$	$1/33(7, 28, 14, 19, 35, 33, 21, 42, 47)$	$\{1234789, 123678, 234589, 23568\}$
952:340	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25} + e^{14}, e^{46} + e^{23}$	$4/5(1, 0, 1, 0, 1, 1, 2, 1, 1)$	$\{123489, 124678, 234579, 2456\}$
952:341	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15} + e^{24}, e^{46} + e^{23}$	$1/121(24, 96, 79, 48, 120, 127, 103, 144, 175)$	$\{134579, 1456, 349, 467\}$
952:342	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{23} + e^{15}, e^{36} + e^{25}$	$1/49(13, 32, 26, 25, 45, 51, 39, 58, 77)$	$\{1234789, 134579, 23568, 36\}$
952:343	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15}, e^{36} + e^{25} + e^{14}$	$1/49(26, 19, 13, 38, 45, 51, 39, 71, 64)$	$\{1234789, 124689, 134579, 14569\}$
952:344	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{15} + e^{23} + e^{46}$	$1/8(3, 4, 6, 2, 7, 8, 9, 11, 10)$	$\{123489, 123689, 234579, 235679\}$
952:345	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25}, e^{36} + e^{24} + e^{15}$	$1/109(47, 52, 26, 94, 99, 120, 73, 151, 146)$	$\{1234789, 124689, 23459, 245679\}$
952:346	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15} + e^{23}, e^{25} + e^{46}$	$1/111(38, 61, 76, 42, 99, 118, 114, 137, 160)$	$\{123489, 123689, 13459, 13569\}$
952:347	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{14} + e^{25}, e^{15} + e^{36}$	$1/41(23, 14, 16, 28, 37, 44, 39, 51, 60)$	$\{1234789, 124689, 23459, 245679\}$
952:348	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15} + e^{24}, e^{25} + e^{36}$	$1/127(44, 73, 51, 88, 117, 139, 95, 161, 190)$	$\{1234789, 124689, 134579, 14569\}$
952:349	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25} + e^{14}, e^{46} + e^{15}$	$1/8(5, 2, 4, 4, 7, 8, 9, 9, 12)$	$\{123489, 145678, 234579, 46\}$
952:350	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{24} + e^{15}, e^{46} + e^{25}$	$1/71(16, 47, 46, 32, 63, 78, 62, 79, 110)$	$\{1234789, 134579, 245678, 467\}$
952:351	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{36} + e^{15}, e^{25} + e^{46}$	$1/81(39, 37, 39, 37, 76, 76, 78, 115, 113)$	$\{1234789, 135679, 245678, 7\}$
952:352	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{36} + e^{25}, e^{46} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{1234789, 14568, 23569, 7\}$
952:358	$0, 0, 0, 0, e^{12}, e^{34}, e^{23} + e^{14}, e^{13} + e^{25}, e^{46} + e^{15}$	$31/379(7, 4, 8, 5, 11, 13, 12, 15, 18)$	$\{123689, 23459\}$
952:371a	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{36} + e^{15}, e^{25} + e^{46}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{1234789, 135679, 245678, 7\}$
952:371b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{13} + e^{24}, e^{36} + e^{15}, e^{46} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{1234789, 135679, 245678, 7\}$
952:375	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15} + e^{23}, e^{36} + e^{25} + e^{14}$	$1/5(0, 3, 0, 6, 3, 6, 0, 3, 6)$	$\{1234789, 134579\}$
952:376	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25} + e^{14}, e^{15} + e^{23} + e^{46}$	$1/2(1, 0, 2, 0, 1, 2, 3, 1, 2)$	$\{123489, 234579\}$
952:377a	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25} + e^{14}, e^{36} + e^{24} + e^{15}$	$11/49(2, 2, 1, 4, 4, 5, 3, 6, 6)$	$\{1234789, 124689, 23459, 245679\}$
952:377b	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25} - e^{14}, e^{15} + e^{36} + e^{24}$	$11/49(2, 2, 1, 4, 4, 5, 3, 6, 6)$	$\{1234789, 124689, 23459, 245679\}$
952:378a	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{15} + e^{24}, e^{14} + e^{36} + e^{25}$	$11/49(2, 2, 1, 4, 4, 5, 3, 6, 6)$	$\{1234789, 124689, 134579, 14569\}$
952:378b	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, -e^{15} + e^{24}, e^{36} + e^{25} + e^{14}$	$11/49(2, 2, 1, 4, 4, 5, 3, 6, 6)$	$\{1234789, 124689, 134579, 14569\}$
952:379	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{25} + e^{36}, e^{46} + e^{23} + e^{15}$	$4/13(1, 2, 2, 1, 3, 3, 3, 5, 4)$	$\{1234789, 23569\}$
952:380	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{46} + e^{25}, e^{24} + e^{36} + e^{15}$	$23/73(1, 2, 1, 2, 3, 3, 2, 5, 4)$	$\{1234789, 245679\}$
952:401	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{27} + e^{16}$	$1/139(53, 57, 99, 91, 110, 152, 148, 163, 205)$	$\{123459, 12567, 134789, 168, 23469, 27, 3456789, 58\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:402	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{17} + e^{36}$	$1/83(20, 63, 46, 72, 83, 66, 92, 103, 112)$	$\{\emptyset, 123489, 124689, 13459, 14569, 23568, 258, 36\}$
952:403	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{17} + e^{36}$	$1/93(30, 47, 51, 72, 77, 81, 102, 124, 132)$	$\{\emptyset, 123489, 124689, 134589, 145689, 2356, 25, 36\}$
952:404	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{36} + e^{27}$	$1/23(10, 9, 12, 16, 19, 22, 25, 29, 34)$	$\{\emptyset, 123489, 124689, 134579, 145679, 235678, 2578, 36\}$
952:405	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{36} + e^{27}$	$1/41(24, 13, 17, 32, 37, 41, 45, 50, 58)$	$\{\emptyset, 123489, 124689, 1345789, 1456789, 23567, 257, 36\}$
952:406	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{37} + e^{16}$	$1/21(10, 11, 8, 12, 21, 18, 20, 31, 28)$	$\{1234689, 128, 134569, 15, 234589, 2568, 349, 6\}$
952:407	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{37} + e^{16}$	$1/57(30, 23, 21, 39, 53, 51, 60, 76, 81)$	$\{\emptyset, 123489, 1268, 134589, 1568, 234569, 25, 3469\}$
952:408a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{47} + e^{36}$	$1/8(2, 6, 5, 5, 8, 7, 7, 10, 12)$	$\{\emptyset, 123489, 123789, 124689, 126789, 13459, 13579, 14569, 15679, 2345678, 23568, 24578, 258, 3467, 36, 47\}$
952:408b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{15}, e^{36} + e^{47}$	$1/8(2, 6, 5, 5, 8, 7, 7, 10, 12)$	$\{\emptyset, 123489, 123789, 124689, 126789, 13459, 13579, 14569, 15679, 2345678, 23568, 24578, 258, 3467, 36, 47\}$
952:410a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{47} + e^{36}$	$1/60(24, 28, 33, 33, 52, 57, 57, 80, 90)$	$\{\emptyset, 123489, 123789, 124689, 126789, 134589, 135789, 145689, 156789, 234567, 2356, 2457, 25, 3467, 36, 47\}$
952:410b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{25}, e^{36} + e^{47}$	$1/60(24, 28, 33, 33, 52, 57, 57, 80, 90)$	$\{\emptyset, 123489, 123789, 124689, 126789, 134589, 135789, 145689, 156789, 234567, 2356, 2457, 25, 3467, 36, 47\}$
952:412	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{36} + e^{47}$	$1/44(16, 24, 25, 21, 40, 41, 45, 56, 66)$	$\{\emptyset, 123489, 123789, 124689, 126789, 3467, 36, 47\}$
952:415a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{16} + e^{47}$	$1/9(4, 4, 5, 4, 8, 9, 9, 12, 13)$	$\{\emptyset, 123489, 123789, 124678, 1268, 134589, 135789, 145678, 1568, 234569, 235679, 2457, 25, 3469, 3679, 47\}$
952:415b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{25}, e^{47} + e^{16}$	$1/9(4, 4, 5, 4, 8, 9, 9, 12, 13)$	$\{\emptyset, 123489, 123789, 124678, 1268, 134589, 135789, 145678, 1568, 234569, 235679, 2457, 25, 3469, 3679, 47\}$
952:417	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{36} + e^{47}$	$1/123(40, 83, 68, 54, 123, 108, 122, 163, 176)$	$\{\emptyset, 123489, 123789, 13459, 13579, 24578, 258, 47\}$
952:418	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{47} + e^{36}$	$1/18(10, 7, 8, 9, 17, 18, 17, 24, 26)$	$\{\emptyset, 123489, 123789, 134589, 135789, 2457, 25, 47\}$
952:425	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{16} + e^{27}$	$3/65(8, 9, 16, 14, 17, 24, 23, 25, 32)$	$\{12567, 168, 27, 58\}$
952:426	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{17} + e^{36}$	$1/11(3, 8, 6, 9, 11, 9, 12, 14, 15)$	$\{\emptyset, 124689, 14569, 258\}$
952:427	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{15}, e^{36} + e^{27}$	$3/19(2, 3, 4, 5, 6, 7, 10)$	$\{123489, 134579, 235678, 36\}$
952:428	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{23} + e^{15}, e^{37} + e^{16}$	$1/3(1, 2, 2, 0, 3, 3, 2, 4, 4)$	$\{1234689, 134569, 234589, 349\}$
952:429	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{47} + e^{23} + e^{16}$	$1/461(146, 292, 360, 253, 438, 506, 399, 584, 652)$	$\{124689, 126789, 2345678, 23568\}$
952:430	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{23} + e^{47} + e^{16}$	$4/587(40, 80, 122, 81, 120, 162, 121, 200, 202)$	$\{123489, 123789, 2457, 25\}$
952:431	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{16} + e^{47} + e^{23}$	$1/241(73, 146, 192, 96, 219, 265, 242, 292, 338)$	$\{123489, 123789, 2345689, 2356789\}$
952:432	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{27} + e^{36} + e^{14}$	$1/19(10, 5, 8, 16, 15, 18, 21, 25, 26)$	$\{123489, 124689, 134579, 145679\}$
952:433	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{16} + e^{34} + e^{27}$	$1/61(22, 23, 46, 44, 45, 68, 67, 67, 90)$	$\{123459, 134789, 23469, 3456789\}$
952:434	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{47} + e^{16}$	$1/81(28, 53, 56, 42, 81, 84, 70, 109, 112)$	$\{\emptyset, 24578, 258, 47\}$
952:435	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{15}, e^{47} + e^{16}$	$1/283(101, 156, 202, 124, 257, 303, 280, 358, 404)$	$\{\emptyset, 14567, 156, 47\}$
952:436a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, e^{47} + e^{36}$	$1/27(8, 19, 16, 16, 27, 24, 24, 35, 40)$	$\{\emptyset, 124689, 126789, 14569, 15679, 24578, 258, 47\}$
952:436b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{15} + e^{23}, e^{36} + e^{47}$	$1/27(8, 19, 16, 16, 27, 24, 24, 35, 40)$	$\{\emptyset, 124689, 126789, 14569, 15679, 24578, 258, 47\}$
952:438	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{36} + e^{47}$	$2/151(23, 45, 46, 35, 68, 69, 80, 91, 115)$	$\{123489, 123789, 3467, 36\}$
952:440	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{16} + e^{24} + e^{37}$	$1/17(8, 10, 5, 11, 18, 13, 16, 26, 21)$	$\{1234689, 128, 234589, 2568\}$
952:442a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{23} + e^{16} + e^{47}$	$1/7(2, 4, 5, 2, 6, 7, 7, 10, 9)$	$\{123489, 123789, 124678, 1268, 234569, 235679, 2457, 25\}$
952:442b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{25}, e^{16} + e^{23} + e^{47}$	$1/7(2, 4, 5, 2, 6, 7, 7, 10, 9)$	$\{123489, 123789, 124678, 1268, 234569, 235679, 2457, 25\}$
952:443	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{37} + e^{24} + e^{16}$	$10/133(7, 6, 3, 11, 13, 10, 14, 19, 17)$	$\{123678, 124789, 2357, 245679\}$
952:447	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{23} + e^{15}, e^{36} + e^{47}$	$1/111(32, 79, 64, 48, 111, 96, 112, 143, 160)$	$\{123489, 123789, 13459, 13579\}$
952:448	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{34}, e^{27} + e^{16}$	$1/277(113, 120, 180, 166, 233, 293, 286, 346, 406)$	$\{123459, 12567, 23469, 27\}$
952:449	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{17} + e^{36}$	$1/449(125, 339, 238, 351, 464, 363, 476, 589, 601)$	$\{\emptyset, 124689, 13459, 23568\}$
952:450	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{17} + e^{36}$	$28/611(7, 11, 12, 17, 18, 19, 24, 29, 31)$	$\{123489, 134589, 2356, 36\}$
952:451	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{15}, e^{36} + e^{27}$	$8/619(33, 30, 41, 55, 63, 74, 85, 96, 115)$	$\{123489, 145679, 2578, 36\}$
952:452	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{36} + e^{27}$	$1/67(39, 21, 28, 53, 60, 67, 74, 81, 95)$	$\{123489, 1345789, 23567, 36\}$
952:453	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14}, e^{37} + e^{16}$	$2/81(22, 15, 14, 30, 37, 36, 44, 52, 58)$	$\{123489, 134589, 234569, 3469\}$
952:454	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{24}, e^{37} + e^{16}$	$1/2(1, 1, 0, 2, 2, 1, 2, 3, 2)$	$\{1234689, 134569, 234589, 349\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:457a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{25}, e^{36} + e^{47}$	$1/47(16, 21, 29, 29, 37, 45, 45, 58, 74)$	{123489, 126789, 134589, 156789, 2356, 2457, 36, 47}
952:457b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{34} + e^{25}, e^{36} + e^{47}$	$1/47(16, 21, 29, 29, 37, 45, 45, 58, 74)$	{123489, 126789, 134589, 156789, 2356, 2457, 36, 47}
952:459	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{15}, e^{47} + e^{36}$	$1/167(53, 87, 105, 88, 140, 158, 175, 193, 263)$	{123489, 126789, 36, 47}
952:460a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{14} + e^{25}, e^{47} + e^{16}$	$1/7(4, 2, 3, 4, 6, 7, 7, 8, 11)$	{123489, 124678, 134589, 145678, 234569, 2457, 3469, 47}
952:460b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{25} + e^{14}, e^{47} + e^{16}$	$1/7(4, 2, 3, 4, 6, 7, 7, 8, 11)$	{123489, 124678, 134589, 145678, 234569, 2457, 3469, 47}
952:461a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{24}, e^{47} + e^{16}$	$(0, 1, 1, 0, 1, 1, 1, 1, 1)$	{1234689, 12478, 134569, 1457, 234589, 245678, 349, 467}
952:461b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{24} + e^{15}, e^{16} + e^{47}$	$(0, 1, 1, 0, 1, 1, 1, 1, 1)$	{1234689, 12478, 134569, 1457, 234589, 245678, 349, 467}
952:464	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14}, e^{47} + e^{36}$	$28/209(5, 2, 3, 4, 7, 8, 7, 9, 11)$	{123489, 134589, 2457, 47}
952:465	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{24}, e^{47} + e^{36}$	$1/53(11, 42, 33, 22, 53, 44, 55, 64, 77)$	{12478, 1457, 234589, 349}
952:466a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{36} + e^{17} + e^{25}$	$1/137(41, 79, 79, 117, 120, 120, 158, 161, 199)$	{123789, 126789, 13579, 15679, 2345678, 24578, 3467, 47}
952:466b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{36} + e^{17}$	$1/137(41, 79, 79, 117, 120, 120, 158, 161, 199)$	{123789, 126789, 13579, 15679, 2345678, 24578, 3467, 47}
952:469	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{36} + e^{15} + e^{27}$	$2/177(49, 29, 39, 69, 78, 88, 98, 107, 127)$	{ \emptyset , 123489, 124689, 36}
952:470	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{25} + e^{37} + e^{16}$	$1/65(32, 29, 26, 38, 61, 58, 64, 93, 90)$	{1234689, 134569, 2368, 6}
952:471a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{47} + e^{36} + e^{25}$	$1/25(7, 16, 16, 16, 23, 23, 23, 30, 39)$	{ \emptyset , 123489, 123789, 124689, 126789, 13459, 13579, 14569, 15679, 2345678, 23568, 24578, 258, 3467, 36, 47}
952:471b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{15}, e^{36} + e^{47} + e^{25}$	$1/25(7, 16, 16, 16, 23, 23, 23, 30, 39)$	{ \emptyset , 123489, 123789, 124689, 126789, 13459, 13579, 14569, 15679, 2345678, 23568, 24578, 258, 3467, 36, 47}
952:471c	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{47} + e^{36}$	$1/25(7, 16, 16, 16, 23, 23, 23, 30, 39)$	{ \emptyset , 123489, 123789, 124689, 126789, 13459, 13579, 14569, 15679, 2345678, 23568, 24578, 258, 3467, 36, 47}
952:474a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{47} + e^{15} + e^{36}$	$1/47(23, 21, 22, 22, 44, 45, 45, 65, 67)$	{134589, 135789, 145689, 156789, 234567, 2356, 2457, 25}
952:474b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{25}, e^{15} + e^{36} + e^{47}$	$1/47(23, 21, 22, 22, 44, 45, 45, 65, 67)$	{134589, 135789, 145689, 156789, 234567, 2356, 2457, 25}
952:482a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{36} + e^{47} + e^{25}$	$2/39(7, 11, 11, 9, 18, 18, 20, 25, 29)$	{ \emptyset , 123489, 123789, 13459, 13579, 24578, 258, 47}
952:482b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{15}, e^{25} + e^{47} + e^{36}$	$2/39(7, 11, 11, 9, 18, 18, 20, 25, 29)$	{ \emptyset , 123489, 123789, 13459, 13579, 24578, 258, 47}
952:484	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{15} + e^{36} + e^{47}$	$4/233(31, 23, 27, 29, 54, 58, 56, 77, 85)$	{ \emptyset , 123489, 123789, 47}
952:486	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{16} + e^{25}, e^{27} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{1234589, 138, 249, 5}
952:487	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{36}, e^{17} + e^{25}$	$4/587(53, 81, 67, 109, 134, 120, 162, 187, 215)$	{134589, 145689, 2356, 25}
952:491	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{16} + e^{25}, e^{37} + e^{15}$	$1/681(335, 297, 259, 449, 632, 594, 708, 929, 967)$	{124789, 158, 23459, 37}
952:492	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{36} + e^{15}, e^{37} + e^{25}$	$1/79(31, 43, 37, 43, 74, 68, 80, 105, 117)$	{1234689, 124789, 37, 6}
952:496a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{36}, e^{25} + e^{47}$	$16/203(5, 7, 6, 7, 12, 11, 12, 17, 19)$	{ \emptyset , 123489, 123789, 124689, 126789, 3467, 36, 47}
952:496b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{36} + e^{15}, e^{25} + e^{47}$	$16/203(5, 7, 6, 7, 12, 11, 12, 17, 19)$	{ \emptyset , 123489, 123789, 124689, 126789, 3467, 36, 47}
952:501a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{15}, e^{47} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 123789, 124689, 126789, 3467, 36, 47}
952:501b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{24}, e^{36} + e^{15}, e^{47} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 123789, 124689, 126789, 3467, 36, 47}
952:502a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{36}, e^{15} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 123789, 124689, 126789, 134578, 1358, 145678, 1568, 234569, 235679, 2459, 2579, 3467, 36, 47}
952:502b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{24}, e^{25} + e^{36}, e^{15} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 123789, 124689, 126789, 134578, 1358, 145678, 1568, 234569, 235679, 2459, 2579, 3467, 36, 47}
952:502c	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{25} + e^{36}, e^{15} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 123789, 124689, 126789, 134578, 1358, 145678, 1568, 234569, 235679, 2459, 2579, 3467, 36, 47}
952:505	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{16} + e^{25}, e^{15} + e^{47}$	$4/233(25, 29, 33, 23, 54, 58, 56, 83, 79)$	{ \emptyset , 123489, 123789, 47}
952:506	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{36} + e^{15}, e^{47} + e^{25}$	$16/747(20, 24, 22, 23, 44, 42, 45, 64, 68)$	{ \emptyset , 123489, 123789, 47}
952:507a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{36}, e^{15} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 123789, 145678, 1568, 234569, 235679, 47}
952:507b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{36} + e^{25}, e^{47} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 123789, 145678, 1568, 234569, 235679, 47}
952:551	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{24} + e^{36} + e^{17}$	$9/31(1, 2, 2, 3, 3, 3, 4, 4, 5)$	{134579, 367}
952:552	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{27} + e^{36} + e^{14}$	$1/7(2, 1, 4, 8, 3, 6, 9, 5, 10)$	{123489, 134579}
952:553a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{27} + e^{16} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 3, 4)$	{123459, 134789, 23469, 3456789}
952:553b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{27} + e^{16} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 3, 4)$	{123459, 134789, 23469, 3456789}
952:554	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{16} + e^{24} + e^{37}$	$9/37(1, 4, 2, 0, 5, 3, 2, 6, 4)$	{1234689, 234589}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:555	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{15}, e^{47} + e^{23} + e^{16}$	$73/677(3, 6, 7, 5, 9, 10, 8, 12, 13)$	{124689, 23568}
952:556	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{16} + e^{23} + e^{47}$	$14/51(1, 2, 3, 2, 3, 4, 3, 5, 5)$	{123789, 25}
952:557	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{15}, e^{23} + e^{47} + e^{16}$	$77/767(3, 6, 8, 4, 9, 11, 10, 12, 14)$	{123489, 2345689}
952:558	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{15}, e^{27} + e^{36} + e^{14}$	$44/511(6, 3, 5, 10, 9, 11, 13, 15, 16)$	{123489, 145679}
952:559a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14}, e^{23} + e^{47} + e^{16}$	$(0, 0, 1, 0, 0, 1, 1, 0, 1)$	{123489, 124678, 234569, 2457}
952:559b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{25} + e^{14}, e^{16} + e^{47} + e^{23}$	$(0, 0, 1, 0, 0, 1, 1, 0, 1)$	{123489, 124678, 234569, 2457}
952:560	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14}, e^{16} + e^{37} + e^{24}$	$35/326(5, 4, 2, 8, 9, 7, 10, 13, 12)$	{124789, 245679}
952:562a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{24}, e^{16} + e^{23} + e^{47}$	$(0, 0, 1, 0, 0, 1, 1, 0, 1)$	{134569, 1457, 349, 467}
952:562b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{15} + e^{24}, e^{23} + e^{16} + e^{47}$	$(0, 0, 1, 0, 0, 1, 1, 0, 1)$	{134569, 1457, 349, 467}
952:564a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, e^{25} + e^{36} + e^{17}$	$9/31(1, 2, 2, 3, 3, 3, 4, 4, 5)$	{123789, 13579, 2345678, 3467}
952:564b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, e^{36} + e^{17} + e^{25}$	$9/31(1, 2, 2, 3, 3, 3, 4, 4, 5)$	{123789, 13579, 2345678, 3467}
952:566	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{25} + e^{37} + e^{16}$	$13/73(2, 3, 4, 0, 5, 6, 4, 7, 8)$	{1234689, 134569}
952:567a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{47} + e^{16} + e^{25}$	$43/237(2, 3, 4, 3, 5, 6, 5, 7, 8)$	{0, 24578, 258, 47}
952:567b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{47} + e^{16} + e^{25}$	$43/237(2, 3, 4, 3, 5, 6, 5, 7, 8)$	{0, 24578, 258, 47}
952:569	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{25} + e^{16} + e^{47}$	$43/479(4, 6, 8, 5, 10, 12, 11, 14, 16)$	{0, 47}
952:570a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{36} + e^{25} + e^{47}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{0, 124689, 126789, 14569, 15679, 24578, 258, 47}
952:570b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{15} + e^{23}, e^{36} + e^{47} + e^{25}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{0, 124689, 126789, 14569, 15679, 24578, 258, 47}
952:570c	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, e^{25} + e^{47} + e^{36}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{0, 124689, 126789, 14569, 15679, 24578, 258, 47}
952:570d	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{23} + e^{15}, e^{47} + e^{36} + e^{25}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{0, 124689, 126789, 14569, 15679, 24578, 258, 47}
952:579a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{47} + e^{36} + e^{25}$	$5/33(2, 4, 4, 3, 6, 6, 7, 8, 10)$	{123489, 123789, 13459, 13579}
952:579b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{36} + e^{47} + e^{25}$	$5/33(2, 4, 4, 3, 6, 6, 7, 8, 10)$	{123489, 123789, 13459, 13579}
952:581a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{17} + e^{25} + e^{36}$	$43/237(2, 3, 3, 4, 5, 5, 6, 7, 8)$	{0, 124689, 13459, 23568}
952:581b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{34} + e^{15}, e^{36} + e^{17} + e^{25}$	$43/237(2, 3, 3, 4, 5, 5, 6, 7, 8)$	{0, 124689, 13459, 23568}
952:584	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{27} + e^{36} + e^{15}$	$35/317(5, 3, 4, 7, 8, 9, 10, 11, 13)$	{0, 124689}
952:585	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{24}, e^{37} + e^{16} + e^{25}$	$25/91(2, 1, 0, 4, 3, 2, 4, 5, 4)$	{1234689, 134569}
952:586a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{36} + e^{47} + e^{25}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{0, 123789, 124689, 13459, 15679, 23568, 24578, 3467}
952:586b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{15} + e^{34}, e^{25} + e^{47} + e^{36}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{0, 123789, 124689, 13459, 15679, 23568, 24578, 3467}
952:586c	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{47} + e^{36} + e^{25}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	{0, 123789, 124689, 13459, 15679, 23568, 24578, 3467}
952:589a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{25}, e^{36} + e^{47} + e^{15}$	$3/8(2, 0, 1, 1, 2, 3, 3, 2, 4)$	{123579, 124569, 345678, 58}
952:589b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{25} + e^{34}, e^{15} + e^{47} + e^{36}$	$3/8(2, 0, 1, 1, 2, 3, 3, 2, 4)$	{123579, 124569, 345678, 58}
952:595a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{24}, e^{47} + e^{16} + e^{25}$	$1/19(0, 11, 22, 0, 11, 22, 22, 11, 22)$	{1234689, 134569, 245678, 467}
952:595b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{24} + e^{15}, e^{16} + e^{47} + e^{25}$	$1/19(0, 11, 22, 0, 11, 22, 22, 11, 22)$	{1234689, 134569, 245678, 467}
952:597	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14}, e^{15} + e^{47} + e^{36}$	$14/157(7, 3, 5, 6, 10, 12, 11, 13, 17)$	{123489, 47}
952:599a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{24}, e^{47} + e^{36} + e^{25}$	$17/77(1, 3, 3, 2, 4, 4, 5, 5, 7)$	{1234689, 134569, 245678, 467}
952:599b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{15} + e^{24}, e^{25} + e^{36} + e^{47}$	$17/77(1, 3, 3, 2, 4, 4, 5, 5, 7)$	{1234689, 134569, 245678, 467}
952:601	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16} + e^{25}, e^{15} + e^{23} + e^{47}$	$14/153(4, 6, 8, 5, 10, 12, 9, 16, 14)$	{134589, 135789}
952:603	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{16} + e^{25}, e^{27} + e^{34} + e^{15}$	$1/2(0, 1, 2, -1, 1, 2, 0, 2, 1)$	{1234589, 138}
952:605	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{36} + e^{15}, e^{17} + e^{25} + e^{34}$	$6/29(1, 3, 2, 5, 4, 3, 6, 5, 7)$	{123578, 345679}
952:606a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{36}, e^{23} + e^{15} + e^{47}$	$8/51(2, 4, 4, 3, 6, 6, 5, 10, 8)$	{123489, 123789, 3467, 36}
952:606b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{36} + e^{25}, e^{15} + e^{23} + e^{47}$	$8/51(2, 4, 4, 3, 6, 6, 5, 10, 8)$	{123489, 123789, 3467, 36}
952:610a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{36}, e^{15} + e^{23} + e^{47}$	$4/13(1, 2, 2, 1, 3, 3, 3, 5, 4)$	{123489, 123789, 134578, 1358, 234569, 235679, 3467, 36}
952:610b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{24}, e^{25} + e^{36}, e^{23} + e^{47} + e^{15}$	$4/13(1, 2, 2, 1, 3, 3, 3, 5, 4)$	{123489, 123789, 134578, 1358, 234569, 235679, 3467, 36}
952:610c	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{36} + e^{25}, e^{23} + e^{47} + e^{15}$	$4/13(1, 2, 2, 1, 3, 3, 3, 5, 4)$	{123489, 123789, 134578, 1358, 234569, 235679, 3467, 36}
952:610d	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{36} + e^{25}, e^{47} + e^{15} + e^{23}$	$4/13(1, 2, 2, 1, 3, 3, 3, 5, 4)$	{123489, 123789, 134578, 1358, 234569, 235679, 3467, 36}
952:611a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{36}, e^{15} + e^{27} + e^{34}$	$5/8(1, 0, 0, 2, 1, 1, 2, 1, 2)$	{123578, 134789, 2367, 345679}
952:611b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{36} + e^{25}, e^{27} + e^{34} + e^{15}$	$5/8(1, 0, 0, 2, 1, 1, 2, 1, 2)$	{123578, 134789, 2367, 345679}
952:616	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{16}, e^{15} + e^{47} + e^{23}$	$14/157(4, 6, 8, 3, 10, 12, 11, 16, 14)$	{123489, 123789}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
952:617	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{16} + e^{25}, e^{15} + e^{24} + e^{37}$	43/253(3, 2, 1, 6, 5, 4, 7, 7, 8)	{1234689, 245679}
952:618	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{36} + e^{15}, e^{37} + e^{25} + e^{14}$	5/13(2, 0, 1, 0, 2, 3, 1, 4, 2)	{123678, 128}
952:619a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{36}, e^{23} + e^{47} + e^{15}$	4/13(1, 2, 2, 1, 3, 3, 5, 4)	{123489, 123789, 234569, 235679}
952:619b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{36} + e^{25}, e^{23} + e^{47} + e^{15}$	4/13(1, 2, 2, 1, 3, 3, 5, 4)	{123489, 123789, 234569, 235679}
952:620a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{36} + e^{25}, e^{24} + e^{37} + e^{15}$	5/8(1, 0, 0, 2, 1, 1, 2, 1, 2)	{1234689, 124789, 23459, 245679}
952:620b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{36} + e^{25}, e^{37} + e^{15} + e^{24}$	5/8(1, 0, 0, 2, 1, 1, 2, 1, 2)	{1234689, 124789, 23459, 245679}
952:626	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15} + e^{24} + e^{36}, e^{25} + e^{37}$	49/319(2, 4, 3, 4, 6, 5, 7, 8, 10)	{1234689, 124789}
952:628a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14} + e^{36}, e^{15} + e^{47}$	4/13(2, 1, 1, 2, 3, 3, 3, 4, 5)	{123489, 145678, 234569, 47}
952:628b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34}, e^{14} + e^{25} + e^{36}, e^{15} + e^{47}$	4/13(2, 1, 1, 2, 3, 3, 3, 4, 5)	{123489, 145678, 234569, 47}
952:630	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{24} + e^{36} + e^{15}, e^{47} + e^{25}$	40/431(3, 7, 5, 6, 10, 8, 11, 13, 17)	{134569, 245678}
952:637a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16} + e^{25}, e^{15} + e^{47} + e^{36}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	{134589, 135789, 2457, 25}
952:637b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{16} + e^{25}, e^{36} + e^{47} + e^{15}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	{134589, 135789, 2457, 25}
951:1	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34}, e^{15}$	1/41(16, 23, 24, 29, 39, 40, 47, 53, 55)	{123469, 123689, 124789, 1279, 134567, 135678, 1458, 15, 23459, 23589, 2456789, 25679, 347, 378, 468, 6}
951:3	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34}, e^{25}$	1/24(12, 10, 15, 15, 22, 27, 27, 30, 32)	{0, 12349, 123789, 124689, 12679, 13459, 135789, 145689, 15679, 234567, 23568, 24578, 25, 3467, 368, 478}
951:4	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{15}$	1/19(7, 11, 13, 11, 18, 20, 22, 24, 25)	{0, 12349, 123789, 124689, 12679, 13457, 1358, 145678, 156, 234569, 2356789, 24589, 2579, 3467, 368, 478}
951:5	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}$	1/23(8, 13, 16, 19, 21, 24, 29, 27, 29)	{0, 12349, 12389, 124679, 126789, 13457, 13578, 1456, 1568, 2345689, 23569, 245789, 2579, 34678, 367, 48}
951:6	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25}$	1/31(14, 13, 22, 24, 27, 36, 35, 38, 40)	{0, 12349, 12389, 124679, 126789, 134579, 135789, 14569, 15689, 234568, 2356, 24578, 257, 34678, 367, 48}
951:7	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{14} + e^{23}, e^{15}$	1/40(16, 22, 23, 29, 38, 39, 52, 45, 54)	{123679, 124789, 134568, 15, 23459, 25689, 378, 467}
951:8	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{14} + e^{23}, e^{25}$	1/23(11, 10, 15, 14, 21, 26, 29, 25, 31)	{123789, 124679, 13459, 15689, 234568, 25, 367, 478}
951:9	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{34} + e^{15}$	1/38(15, 22, 24, 28, 37, 39, 46, 43, 52)	{0, 12389, 124679, 13457, 1568, 23569, 245789, 34678}
951:10	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{34} + e^{25}$	1/79(38, 35, 52, 56, 73, 90, 87, 94, 108)	{0, 12389, 124679, 135789, 14569, 234568, 257, 34678}
951:11	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34}, e^{14} + e^{25}$	1/19(11, 7, 11, 14, 18, 22, 18, 25, 25)	{123479, 124689, 13459, 1456789, 234567, 2458, 346, 478}
951:12	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{15}$	1/63(26, 29, 45, 48, 55, 71, 77, 74, 81)	{0, 12349, 126789, 1358, 14567, 235679, 24589, 34678}
951:14	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{15} + e^{23}$	1/37(13, 22, 26, 21, 35, 39, 43, 47, 48)	{12349, 123789, 13457, 1358, 234569, 2356789, 3467, 368}
951:15a	$0, 0, 0, 0, e^{12}, e^{34}, e^{23} + e^{14}, e^{24} + e^{13}, e^{15}$	1/11(5, 5, 7, 7, 10, 14, 12, 12, 15)	{123689, 124679, 134578, 15, 23459, 25789, 367, 468}
951:15b	$0, 0, 0, 0, e^{12}, e^{34}, -e^{14} + e^{23}, e^{13} + e^{24}, e^{15}$	1/11(5, 5, 7, 7, 10, 14, 12, 12, 15)	{123689, 124679, 134578, 15, 23459, 25789, 367, 468}
951:16	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}$	1/13(5, 7, 9, 10, 12, 14, 16, 15, 17)	{0, 12389, 126789, 13578, 1568, 23569, 2579, 367}
951:17	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{15} + e^{34}$	7/159(10, 11, 15, 16, 21, 25, 27, 26, 31)	{0, 235679, 24589, 34678}
951:18	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{23} + e^{14}, e^{24} + e^{15}$	7/37(2, 3, 3, 4, 5, 5, 7, 6, 7)	{124789, 134568, 23459, 467}
951:19	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{16}$	3/17(2, 3, 4, 4, 5, 6, 6, 7, 8)	{0, 12349, 123789, 134589, 13579, 2457, 258, 478}
951:20	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15} + e^{36}$	1/297(124, 176, 150, 197, 300, 274, 321, 373, 424)	{0, 12349, 123789, 12469, 126789, 34678, 36, 478}
951:21a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{36} + e^{25}$	1/81(38, 40, 40, 55, 78, 78, 93, 95, 118)	{0, 12349, 123789, 12469, 126789, 134589, 13579, 145689, 15679, 234567, 23568, 2457, 258, 34678, 36, 478}
951:21b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{36}$	1/81(38, 40, 40, 55, 78, 78, 93, 95, 118)	{0, 12349, 123789, 12469, 126789, 134589, 13579, 145689, 15679, 234567, 23568, 2457, 258, 34678, 36, 478}
951:23	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{25} + e^{16}$	1/14(6, 7, 8, 9, 13, 14, 16, 17, 20)	{0, 12349, 123789, 134579, 13589, 2458, 257, 478}
951:24a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{36} + e^{25}$	1/7(4, 3, 3, 5, 7, 7, 8, 8, 10)	{0, 12349, 123789, 124689, 12679, 134579, 13589, 1456789, 1569, 23456, 235678, 2458, 257, 3467, 368, 478}
951:24b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{34}, e^{36} + e^{25}$	1/7(4, 3, 3, 5, 7, 7, 8, 8, 10)	{0, 12349, 123789, 124689, 12679, 134579, 13589, 1456789, 1569, 23456, 235678, 2458, 257, 3467, 368, 478}
951:26	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{16} + e^{25}$	1/49(18, 25, 32, 40, 43, 50, 57, 58, 68)	{0, 12349, 12389, 134579, 135789, 24578, 257, 48}
951:27	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{25} + e^{16}$	1/227(91, 114, 137, 170, 205, 228, 251, 284, 319)	{0, 12349, 12389, 1345789, 13579, 2457, 2578, 48}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
951:28a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{36} + e^{25}$	$1/19(8, 10, 10, 15, 18, 18, 20, 23, 28)$	$\{\emptyset, 12349, 12389, 124679, 126789, 134579, 135789, 14569, 15689, 234568, 2356, 24578, 257, 34678, 367, 48\}$
951:28b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{36} + e^{25}$	$1/19(8, 10, 10, 15, 18, 18, 20, 23, 28)$	$\{\emptyset, 12349, 12389, 124679, 126789, 134579, 135789, 14569, 15689, 234568, 2356, 24578, 257, 34678, 367, 48\}$
951:30	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{15} + e^{36}$	$1/257(116, 138, 127, 188, 254, 243, 265, 326, 370)$	$\{\emptyset, 12349, 12389, 124679, 126789, 34678, 367, 48\}$
951:31a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{36} + e^{25}$	$1/17(9, 8, 8, 13, 17, 17, 16, 21, 25)$	$\{123479, 123789, 12469, 12689, 134589, 1359, 1456789, 15679, 234567, 235678, 245, 258, 3468, 36, 478, 7\}$
951:31b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24}, e^{36} + e^{25}$	$1/17(9, 8, 8, 13, 17, 17, 16, 21, 25)$	$\{123479, 123789, 12469, 12689, 134589, 1359, 1456789, 15679, 234567, 235678, 245, 258, 3468, 36, 478, 7\}$
951:33	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{16} + e^{25}$	$3/184(24, 31, 38, 45, 55, 62, 76, 69, 86)$	$\{\emptyset, 12349, 13589, 2458\}$
951:34	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{36} + e^{15}$	$1/497(209, 291, 250, 332, 500, 459, 623, 541, 709)$	$\{\emptyset, 12349, 126789, 34678\}$
951:35a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{25} + e^{36}$	$1/149(63, 80, 80, 97, 143, 143, 177, 160, 223)$	$\{123789, 12469, 134579, 15689, 234568, 257, 36, 478\}$
951:35b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{36} + e^{25}$	$1/149(63, 80, 80, 97, 143, 143, 177, 160, 223)$	$\{123789, 12469, 134579, 15689, 234568, 257, 36, 478\}$
951:38a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{25} + e^{36} + e^{14}$	$1/13(8, 5, 5, 10, 13, 13, 15, 15, 18)$	$\{12349, 124689, 134579, 1456789, 23456, 2458, 3467, 478\}$
951:38b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{34}, e^{14} + e^{36} + e^{25}$	$1/13(8, 5, 5, 10, 13, 13, 15, 15, 18)$	$\{12349, 124689, 134579, 1456789, 23456, 2458, 3467, 478\}$
951:40	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{36} + e^{15}$	$1/41(16, 26, 21, 32, 42, 37, 47, 48, 58)$	$\{\emptyset, 12389, 126789, 367\}$
951:41a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{36} + e^{25} + e^{14}$	$1/7(4, 3, 3, 6, 7, 7, 6, 9, 10)$	$\{123479, 12469, 134589, 1456789, 234567, 245, 3468, 478\}$
951:41b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24}, e^{36} + e^{14} + e^{25}$	$1/7(4, 3, 3, 6, 7, 7, 6, 9, 10)$	$\{123479, 12469, 134589, 1456789, 234567, 245, 3468, 478\}$
951:44	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{16} + e^{34} + e^{25}$	$21/167(3, 4, 5, 6, 7, 8, 10, 9, 11)$	$\{12349, 2458\}$
951:45	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{37} + e^{16} + e^{25}$	$1/49(24, 24, 24, 37, 48, 48, 48, 61, 72)$	$\{\emptyset, 12349, 12389, 48\}$
951:47	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{23}, e^{36} + e^{15}$	$1/43(20, 26, 19, 28, 46, 47, 39, 45, 66)$	$\{123479, 124689, 135678, 15, 23459, 2456789, 368, 7\}$
951:48	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{23}, e^{46} + e^{15}$	$1/107(49, 62, 60, 50, 111, 110, 109, 122, 160)$	$\{\emptyset, 12349, 12369, 14567, 157, 234579, 235679, 46\}$
951:49	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{24}, e^{36} + e^{15}$	$1/23(11, 13, 11, 13, 24, 24, 22, 26, 35)$	$\{123479, 12469, 13567, 15, 23459, 245679, 36, 7\}$
951:50	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{24}, e^{25} + e^{36}$	$1/17(11, 7, 7, 11, 18, 18, 18, 18, 25)$	$\{\emptyset, 12349, 124679, 134589, 1456789, 235678, 258, 367\}$
951:51	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{23} + e^{14}, e^{36} + e^{15}$	$3/53(8, 11, 8, 11, 19, 19, 16, 19, 27)$	$\{123479, 135678, 2456789, 7\}$
951:52	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{14} + e^{23}, e^{25} + e^{36}$	$1/191(97, 100, 98, 101, 197, 199, 195, 198, 297)$	$\{124679, 13459, 25, 367\}$
951:53	$0, 0, 0, 0, -e^{12}, e^{34}, e^{13}, e^{14} + e^{23}, e^{46} + e^{25}$	$1/65(37, 30, 37, 30, 67, 67, 74, 67, 97)$	$\{\emptyset, 12349, 135689, 24568\}$
951:57	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{23}, e^{36} + e^{25} + e^{14}$	$1/31(22, 12, 11, 24, 34, 35, 33, 23, 46)$	$\{123489, 124679, 13459, 1456789\}$
951:58	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{24}, e^{46} + e^{23} + e^{15}$	$11/31(1, 2, 2, 1, 3, 3, 3, 3, 4)$	$\{12349, 123689, 234579, 2356789\}$
951:62	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{23} + e^{14}, e^{36} + e^{15} + e^{24}$	$7/19(1, 2, 1, 2, 3, 3, 2, 3, 4)$	$\{123479, 2456789\}$
951:64a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23}, e^{36} + e^{17} + e^{25}$	$3/16(2, 3, 3, 4, 5, 5, 6, 6, 8)$	$\{\emptyset, 12349, 124689, 134589, 14569, 2356, 258, 368\}$
951:64b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{23}, e^{17} + e^{25} + e^{36}$	$3/16(2, 3, 3, 4, 5, 5, 6, 6, 8)$	$\{\emptyset, 12349, 124689, 134589, 14569, 2356, 258, 368\}$
951:66	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23}, e^{15} + e^{27} + e^{36}$	$3/211(39, 31, 35, 47, 70, 74, 78, 66, 109)$	$\{123489, 12469, 36, 8\}$
951:67a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23}, e^{16} + e^{25} + e^{47}$	$1/149(63, 80, 97, 80, 143, 160, 143, 177, 223)$	$\{\emptyset, 12349, 12379, 134589, 135789, 24578, 258, 47\}$
951:67b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{23}, e^{16} + e^{25} + e^{47}$	$1/149(63, 80, 97, 80, 143, 160, 143, 177, 223)$	$\{\emptyset, 12349, 12379, 134589, 135789, 24578, 258, 47\}$
951:69	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23}, e^{47} + e^{25} + e^{16}$	$1/557(256, 294, 332, 275, 550, 588, 569, 626, 844)$	$\{\emptyset, 12349, 12379, 47\}$
951:70a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23}, e^{47} + e^{36} + e^{25}$	$1/9(4, 5, 5, 5, 9, 9, 9, 10, 14)$	$\{\emptyset, 12349, 12379, 124689, 126789, 134589, 135789, 14569, 15679, 234567, 2356, 24578, 258, 34678, 368, 47\}$
951:70b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{23}, e^{47} + e^{25} + e^{36}$	$1/9(4, 5, 5, 5, 9, 9, 9, 10, 14)$	$\{\emptyset, 12349, 12379, 124689, 126789, 134589, 135789, 14569, 15679, 234567, 2356, 24578, 258, 34678, 368, 47\}$
951:70c	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{23}, e^{36} + e^{47} + e^{25}$	$1/9(4, 5, 5, 5, 9, 9, 9, 10, 14)$	$\{\emptyset, 12349, 12379, 124689, 126789, 134589, 135789, 14569, 15679, 234567, 2356, 24578, 258, 34678, 368, 47\}$
951:73a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23}, e^{15} + e^{47} + e^{36}$	$1/79(40, 42, 41, 40, 82, 81, 82, 83, 122)$	$\{\emptyset, 12349, 12379, 124689, 126789, 34678, 368, 47\}$
951:73b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{23}, e^{15} + e^{36} + e^{47}$	$1/79(40, 42, 41, 40, 82, 81, 82, 83, 122)$	$\{\emptyset, 12349, 12379, 124689, 126789, 34678, 368, 47\}$
951:75a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{23}, e^{25} + e^{36} + e^{47}$	$5/161(18, 16, 16, 17, 34, 34, 33, 32, 50)$	$\{123489, 123789, 12469, 12679, 3467, 36, 478, 8\}$
951:75b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{23}, e^{25} + e^{47} + e^{36}$	$5/161(18, 16, 16, 17, 34, 34, 33, 32, 50)$	$\{123489, 123789, 12469, 12679, 3467, 36, 478, 8\}$
951:77	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{36} + e^{15} + e^{27}$	$1/43(23, 19, 21, 27, 42, 44, 46, 48, 65)$	$\{\emptyset, 12349, 124689, 368\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
951:78a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{36} + e^{15} + e^{47}$	$1/55(27, 31, 29, 27, 58, 56, 58, 56, 85)$	$\{\emptyset, 12349, 123789, 124689, 12679, 3467, 368, 478\}$
951:78b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{34}, e^{47} + e^{36} + e^{15}$	$1/55(27, 31, 29, 27, 58, 56, 58, 56, 85)$	$\{\emptyset, 12349, 123789, 124689, 12679, 3467, 368, 478\}$
951:80	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{36} + e^{15} + e^{27}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{134579, 257\}$
951:81a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{15} + e^{47} + e^{36}$	$15/29(1, 1, 1, 1, 2, 2, 2, 3)$	$\{12379, 124689, 368, 47\}$
951:81b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{15} + e^{36} + e^{47}$	$15/29(1, 1, 1, 1, 2, 2, 2, 3)$	$\{12379, 124689, 368, 47\}$
951:94a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{16} + e^{25} + e^{48} + e^{37}$	$15/29(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12349, 12389, 48\}$
951:94b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{48} + e^{25} + e^{37} + e^{16}$	$15/29(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12349, 12389, 48\}$
951:97	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{36} + e^{48} + e^{15} + e^{27}$	$15/29(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12349\}$
94321:4	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{17}, e^{18} + e^{45} + e^{23}$	$1/317(65, 204, 260, 232, 232, 269, 334, 399, 464)$	$\{\emptyset, 12479, 12579, 14568, 168, 246789, 256789, 45\}$
9431:5	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26} + e^{34}, e^{35} + e^{17}$	$1/29(8, 16, 17, 23, 23, 24, 32, 40, 40)$	$\{\emptyset, 123578, 12478, 13689, 145689, 234679, 25679, 345\}$
9431:6	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26} + e^{45} + e^{13}, e^{17}$	$1/25(6, 14, 28, 17, 17, 20, 26, 34, 32)$	$\{123478, 123578, 134689, 135689, 2345679, 23679, 3, 345\}$
9431:10	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26} + e^{13}, e^{17} + e^{45}$	$1/83(26, 40, 80, 59, 59, 66, 92, 106, 118)$	$\{\emptyset, 124578, 1278, 14689, 15689, 24679, 25679, 45\}$
9431:11	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26} + e^{34}, e^{17} + e^{25}$	$4/29(2, 4, 5, 5, 6, 6, 8, 10, 10)$	$\{\emptyset, 123578, 124578, 135689, 145689, 234679, 2679, 34\}$
9431:12	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{45} + e^{13} + e^{26}, e^{34} + e^{17}$	$1/49(16, 23, 46, 25, 37, 39, 55, 62, 71)$	$\{123478, 135689, 23679, 345\}$
9431:15	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26}, e^{23} + e^{45} + e^{17}$	$7/107(5, 7, 15, 11, 11, 12, 17, 19, 22)$	$\{\emptyset, 1234578, 12378, 134689, 135689, 24679, 25679, 45\}$
9431:16	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26} + e^{34}, e^{45} + e^{23} + e^{17}$	$7/701(27, 56, 81, 58, 79, 83, 110, 139, 137)$	$\{124578, 14689, 234679, 345\}$
9431:17	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26} + e^{13} + e^{45}, e^{23} + e^{17}$	$4/25(2, 3, 6, 4, 4, 5, 7, 8, 9)$	$\{123478, 123578, 134689, 135689\}$
9431:18	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{35} + e^{14} + e^{26}, e^{23} + e^{17}$	$1/224(52, 127, 156, 254, 150, 179, 231, 306, 283)$	$\{124578, 145689, 2345679, 345\}$
9431:19	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{13} + e^{26}, e^{45} + e^{17} + e^{23}$	$49/617(4, 6, 12, 9, 9, 10, 14, 16, 18)$	$\{\emptyset, 24679, 25679, 45\}$
9431:20	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26} + e^{13}, e^{17} + e^{35} + e^{24}$	$7/139(7, 8, 16, 21, 13, 15, 22, 23, 29)$	$\{123578, 13689, 234679, 345\}$
9431:21	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{14} + e^{26} + e^{35}, e^{45} + e^{17} + e^{23}$	$7/71(3, 5, 9, 10, 4, 8, 11, 13, 14)$	$\{124578, 345\}$
9421:4	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{18} + e^{35}$	$1/33(7, 24, 18, 24, 27, 31, 42, 38, 45)$	$\{\emptyset, 123458, 123578, 12478, 128, 13469, 13679, 145679, 1569, 234689, 236789, 2456789, 25689, 345, 357, 47\}$
9421:5	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{16}, e^{18}$	$1/11(2, 8, 12, 7, 7, 10, 14, 12, 14)$	$\{123478, 123578, 12458, 128, 134679, 135679, 14569, 169, 2345689, 23689, 246789, 256789, 3, 345, 47, 57\}$
9421:6	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{26}, e^{28}$	$1/33(21, 7, 27, 24, 24, 28, 48, 35, 42)$	$\{\emptyset, 123458, 1238, 12478, 12578, 1345689, 13689, 146789, 156789, 234679, 235679, 24569, 269, 347, 357, 45\}$
9421:11	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{18} + e^{45}$	$1/27(6, 20, 24, 19, 19, 26, 30, 32, 38)$	$\{\emptyset, 123458, 1238, 124578, 1278, 13469, 13569, 14679, 15679, 2346789, 2356789, 24689, 25689, 3457, 37, 45\}$
9421:12	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{28} + e^{45}$	$2/33(9, 5, 12, 12, 12, 14, 21, 19, 24)$	$\{\emptyset, 123458, 1238, 124578, 1278, 134689, 135689, 146789, 156789, 234679, 235679, 2469, 2569, 3457, 37, 45\}$
9421:14	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{16}, e^{18} + e^{34}$	$1/29(7, 20, 27, 14, 20, 27, 34, 34, 41)$	$\{123478, 128, 135679, 14569, 23689, 246789, 345, 57\}$
9421:15	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{26}, e^{28} + e^{34}$	$1/111(72, 26, 81, 69, 84, 98, 153, 124, 150)$	$\{\emptyset, 123458, 12578, 13689, 146789, 235679, 24569, 347\}$
9421:20	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16}, e^{18} + e^{35}$	$2/29(5, 7, 12, 10, 10, 12, 17, 17, 22)$	$\{123578, 1248, 134679, 1569, 234689, 256789, 35, 47\}$
9421:21	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{16}, e^{18} + e^{35}$	$1/81(21, 50, 49, 78, 64, 71, 99, 92, 113)$	$\{\emptyset, 123458, 1278, 13679, 14569, 23689, 2456789, 3457\}$
9421:22	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{23} + e^{45} + e^{18}$	$1/69(16, 48, 48, 39, 57, 64, 87, 80, 96)$	$\{\emptyset, 123458, 12378, 13469, 135679, 246789, 25689, 457\}$
9421:23	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{16}, e^{23} + e^{18}$	$1/13(4, 7, 12, 8, 8, 11, 16, 15, 19)$	$\{123478, 123578, 134679, 135679, 246789, 256789, 47, 57\}$
9421:24	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{16}, e^{23} + e^{18}$	$1/59(12, 41, 36, 63, 39, 53, 75, 65, 77)$	$\{123478, 12358, 134679, 13569, 24689, 256789, 4, 57\}$
9421:25	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{26}, e^{28} + e^{13}$	$1/69(42, 16, 48, 57, 51, 58, 99, 74, 90)$	$\{\emptyset, 123458, 12378, 14689, 156789, 234679, 23569, 457\}$
9421:28	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{45} + e^{18} + e^{23}$	$1/144(39, 95, 117, 106, 106, 134, 156, 173, 212)$	$\{\emptyset, 123458, 1238, 13469, 13569, 24689, 25689, 45\}$
9421:29	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{18} + e^{35} + e^{24}$	$1/83(24, 52, 61, 72, 63, 76, 85, 100, 124)$	$\{\emptyset, 123458, 12478, 13469, 145679, 236789, 25689, 357\}$
9421:30	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{14} + e^{28} + e^{35}$	$1/33(18, 10, 21, 30, 27, 28, 39, 38, 48)$	$\{\emptyset, 123458, 12478, 13689, 156789, 234679, 24569, 357\}$
9421:31	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16}, e^{18} + e^{25}$	$3/83(8, 14, 27, 21, 24, 22, 35, 30, 38)$	$\{\emptyset, 123458, 12578, 13569, 145679, 236789, 24689, 347\}$
9421:32	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{16}, e^{24} + e^{35} + e^{18}$	$11/47(1, 3, 4, 3, 2, 4, 5, 5, 6)$	$\{123578, 128, 345, 47\}$
9421:33a	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{26}, e^{14} + e^{35} + e^{28}$	$2/57(18, 7, 21, 21, 18, 25, 39, 32, 39)$	$\{\emptyset, 123458, 12478, 13689, 156789, 234679, 24569, 357\}$
9421:33b	$0, 0, 0, 0, 0, e^{12}, e^{45} - e^{13}, e^{26}, e^{28} + e^{35} + e^{14}$	$2/57(18, 7, 21, 21, 18, 25, 39, 32, 39)$	$\{\emptyset, 123458, 12478, 13689, 156789, 234679, 24569, 357\}$
9421:36	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{26} + e^{35} + e^{18}$	$1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)$	$\{\emptyset, 13469, 13679, 145679, 1569, 345, 357, 47\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9421:37	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{16}, e^{18} + e^{26}$	$1/139(38, 76, 144, 91, 91, 114, 182, 152, 190)$	$\{134679, 135679, 14569, 169, 3, 345, 47, 57\}$
9421:38	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{26}, e^{16} + e^{28}$	$1/41(22, 11, 36, 29, 29, 33, 58, 44, 55)$	$\{\emptyset, 234679, 235679, 24569, 269, 347, 357, 45\}$
9421:39	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16}, e^{45} + e^{18} + e^{23}$	$1/171(51, 95, 153, 109, 139, 146, 204, 197, 248)$	$\{\emptyset, 123458, 13569, 24689\}$
9421:46	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{45} + e^{18} + e^{26}$	$1/34(10, 20, 29, 25, 25, 30, 39, 40, 50)$	$\{\emptyset, 13469, 13569, 14679, 15679, 3457, 37, 45\}$
9421:47	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{16} + e^{28} + e^{45}$	$1/139(80, 40, 99, 100, 100, 120, 179, 160, 200)$	$\{123458, 1238, 124578, 1278, 134689, 135689, 146789, 156789\}$
9421:48	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{16}, e^{18} + e^{34} + e^{26}$	$1/107(31, 62, 99, 56, 74, 93, 130, 124, 155)$	$\{135679, 14569, 345, 57\}$
9421:49	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{26}, e^{28} + e^{16} + e^{34}$	$1/57(32, 16, 45, 35, 42, 48, 77, 64, 80)$	$\{\emptyset, 235679, 24569, 347\}$
9421:55	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{16}, e^{18} + e^{26} + e^{35}$	$2/101(15, 30, 44, 29, 31, 45, 59, 60, 75)$	$\{123578, 1248, 234689, 256789\}$
9421:56	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{16}, e^{18} + e^{26} + e^{35}$	$1/14(4, 8, 9, 13, 11, 12, 17, 16, 20)$	$\{\emptyset, 13679, 14569, 3457\}$
9421:57	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{18} + e^{45} + e^{37}$	$1/83(22, 60, 52, 63, 63, 82, 74, 104, 126)$	$\{\emptyset, 13469, 13569, 14679, 15679, 3457, 37, 45\}$
9421:58	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{28} + e^{37} + e^{45}$	$1/204(108, 70, 105, 159, 159, 178, 213, 248, 318)$	$\{\emptyset, 134689, 135689, 146789, 156789, 3457, 37, 45\}$
9421:69	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{45} + e^{17} + e^{28}$	$1/93(39, 35, 66, 72, 72, 74, 105, 109, 144)$	$\{\emptyset, 124578, 1278, 134689, 135689, 234679, 235679, 45\}$
9421:70	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{18} + e^{47} + e^{35}$	$1/27(7, 19, 16, 12, 24, 26, 28, 33, 40)$	$\{\emptyset, 12478, 128, 13469, 13679, 234689, 236789, 47\}$
9421:84	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{25} + e^{37} + e^{18}$	$1/24(7, 15, 10, 16, 21, 22, 26, 29, 36)$	$\{\emptyset, 123578, 1258, 134569, 145679, 234689, 246789, 37\}$
9421:104a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{18} + e^{37} + e^{26} + e^{45}$	$25/161(2, 4, 4, 5, 5, 6, 6, 8, 10)$	$\{\emptyset, 13469, 13569, 14679, 15679, 3457, 37, 45\}$
9421:104b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16}, e^{18} + e^{26} + e^{37} + e^{45}$	$25/161(2, 4, 4, 5, 5, 6, 6, 8, 10)$	$\{\emptyset, 13469, 13569, 14679, 15679, 3457, 37, 45\}$
9421:106	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{16} + e^{28} + e^{37} + e^{45}$	$25/164(4, 2, 3, 5, 5, 6, 7, 8, 10)$	$\{134689, 135689, 146789, 156789\}$
9421:114	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{18} + e^{26} + e^{35} + e^{47}$	$5/33(2, 4, 4, 3, 6, 6, 7, 8, 10)$	$\{\emptyset, 13469, 13679, 47\}$
942:8	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{35} + e^{26}$	$1/33(13, 16, 18, 24, 27, 29, 42, 42, 45)$	$\{\emptyset, 123489, 123789, 1245789, 12589, 13469, 13679, 145679, 1569, 234568, 235678, 24678, 268, 345, 357, 47\}$
942:9	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{16}, e^{26}$	$1/47(19, 20, 45, 32, 32, 39, 64, 58, 59)$	$\{\emptyset, 1234589, 12389, 124789, 125789, 134569, 1369, 14679, 15679, 234678, 235678, 24568, 268, 347, 357, 45\}$
942:12	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{26} + e^{45}$	$1/18(6, 10, 15, 13, 13, 16, 21, 22, 26)$	$\{\emptyset, 123489, 123589, 124789, 125789, 13469, 13569, 14679, 15679, 2345678, 23678, 24568, 268, 3457, 37, 45\}$
942:13	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{45} + e^{16}$	$2/47(11, 10, 18, 16, 16, 21, 29, 31, 32)$	$\{\emptyset, 123489, 123589, 124789, 125789, 134568, 1368, 145678, 1678, 234679, 235679, 2469, 2569, 3457, 37, 45\}$
942:16	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{35}, e^{26} + e^{45}$	$1/111(50, 50, 69, 69, 81, 100, 138, 150, 150)$	$\{\emptyset, 123489, 12589, 135679, 14679, 23678, 245678, 345\}$
942:17	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{16}, e^{26} + e^{34}$	$1/139(56, 67, 117, 73, 100, 123, 173, 179, 190)$	$\{1235789, 124589, 135679, 14569, 234568, 25678, 345, 57\}$
942:18	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{26}, e^{16} + e^{34}$	$1/317(152, 126, 255, 175, 232, 278, 407, 404, 430)$	$\{\emptyset, 12389, 124789, 134568, 15678, 235679, 24569, 347\}$
942:25	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{34}, e^{26} + e^{35}$	$1/81(37, 38, 47, 65, 66, 75, 84, 112, 113)$	$\{\emptyset, 12389, 1245789, 13469, 15679, 235678, 2468, 3457\}$
942:26	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{16}, e^{45} + e^{26}$	$1/24(10, 12, 17, 15, 19, 22, 27, 32, 34)$	$\{\emptyset, 123589, 124789, 13469, 15679, 23678, 24568, 3457\}$
942:27	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{45} + e^{16}$	$1/11(5, 5, 8, 7, 8, 10, 13, 15, 15)$	$\{\emptyset, 123589, 124789, 1368, 145678, 234679, 2569, 3457\}$
942:29	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{16}, e^{26} + e^{35}$	$1/34(12, 18, 23, 29, 25, 30, 41, 42, 48)$	$\{\emptyset, 123489, 125789, 13679, 14569, 23568, 24678, 3457\}$
942:30	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{35} + e^{16}$	$1/29(16, 9, 18, 20, 23, 25, 38, 34, 41)$	$\{123489, 123789, 134568, 135678, 23469, 23679, 345, 357\}$
942:31	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{26} + e^{45} + e^{13}$	$1/29(13, 12, 24, 14, 23, 25, 38, 38, 37)$	$\{123489, 1235789, 13469, 135679, 234568, 23678, 345, 37\}$
942:32	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{13}, e^{16} + e^{45}$	$1/139(69, 52, 104, 75, 115, 121, 179, 173, 190)$	$\{123489, 1235789, 134568, 13678, 23469, 235679, 345, 37\}$
942:33	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{26}, e^{35} + e^{16}$	$1/317(151, 128, 174, 230, 256, 279, 404, 407, 430)$	$\{\emptyset, 123489, 123789, 14678, 168, 23469, 23679, 47\}$
942:34	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{16}, e^{13} + e^{26}$	$1/43(19, 16, 32, 41, 28, 35, 60, 54, 51)$	$\{1234589, 123789, 134569, 13679, 234678, 23568, 347, 35\}$
942:35	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{26}, e^{23} + e^{16}$	$1/293(132, 115, 264, 198, 198, 247, 396, 362, 379)$	$\{\emptyset, 124789, 125789, 14678, 15678, 24569, 269, 45\}$
942:37	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{34} + e^{16}, e^{35} + e^{26}$	$1/561(258, 251, 423, 344, 337, 509, 681, 767, 760)$	$\{124589, 134679, 24678, 345\}$
942:40	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{14} + e^{26} + e^{35}$	$1/37(14, 19, 25, 38, 27, 33, 39, 47, 52)$	$\{123489, 1245789, 13469, 145679, 2345678, 2468, 3457, 4\}$
942:41	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{16} + e^{45} + e^{23}$	$2/43(9, 10, 18, 14, 14, 19, 27, 29, 28)$	$\{123489, 123589, 134568, 1368, 234679, 235679, 3457, 37\}$
942:42	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{16} + e^{35} + e^{24}$	$1/227(111, 91, 143, 222, 170, 202, 254, 293, 313)$	$\{\emptyset, 12389, 125789, 13568, 1678, 23679, 2569, 357\}$
942:43	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16}, e^{45} + e^{26}$	$1/297(114, 155, 228, 212, 212, 269, 342, 383, 424)$	$\{\emptyset, 124789, 125789, 14679, 15679, 24568, 268, 45\}$
942:44	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{16} + e^{35}$	$1/11(5, 5, 7, 10, 8, 10, 12, 15, 15)$	$\{\emptyset, 12389, 125789, 13568, 1678, 23679, 2569, 357\}$
942:45	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{16}, e^{35} + e^{26}$	$1/23(10, 11, 15, 20, 17, 21, 25, 31, 32)$	$\{\emptyset, 12389, 125789, 1369, 15679, 235678, 268, 357\}$
942:46	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{14}, e^{45} + e^{16}$	$2/43(11, 8, 16, 16, 14, 19, 27, 27, 30)$	$\{123489, 124789, 134568, 145678, 234679, 2469, 3457, 45\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
942:47	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{26} + e^{45}$	1/257(90, 139, 212, 180, 188, 229, 302, 319, 368)	{ \emptyset , 123589, 125789, 13569, 15679, 23678, 268, 37}
942:48	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16}, e^{26} + e^{15}$	1/29(11, 13, 26, 24, 26, 24, 37, 35, 37)	{ \emptyset , 123489, 12789, 1369, 14679, 23678, 2468, 347}
942:49	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{23}, e^{26} + e^{15}$	1/59(21, 28, 42, 38, 56, 49, 80, 70, 77)	{123489, 123789, 13469, 13679, 23468, 23678, 34, 37}
942:52	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16} + e^{34}, e^{26} + e^{35}$	2/85(20, 19, 29, 30, 29, 39, 49, 59, 58)	{123789, 124589, 134679, 1569}
942:54a	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{35} + e^{16}, e^{45} + e^{26}$	1/11(5, 5, 8, 8, 7, 10, 13, 15, 15)	{ \emptyset , 123489, 125789, 13569, 14679, 23678, 24568, 3457}
942:54b	$0, 0, 0, 0, 0, e^{12}, -e^{13} + e^{24}, e^{35} + e^{16}, e^{45} + e^{26}$	1/11(5, 5, 8, 8, 7, 10, 13, 15, 15)	{ \emptyset , 123489, 125789, 13569, 14679, 23678, 24568, 3457}
942:56	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}, e^{26} + e^{13} + e^{45}$	1/191(100, 69, 138, 107, 131, 169, 245, 269, 238)	{123489, 135679, 23678, 345}
942:57	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{13} + e^{26}, e^{34} + e^{16}$	1/557(304, 175, 350, 433, 387, 479, 737, 654, 783)	{123789, 134568, 23569, 347}
942:58	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{16} + e^{23}, e^{26} + e^{34}$	1/53(22, 25, 44, 28, 38, 47, 66, 69, 72)	{124589, 14569, 25678, 57}
942:59	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{16} + e^{23}, e^{26} + e^{34}$	1/101(29, 60, 58, 91, 62, 89, 120, 118, 149)	{123589, 13569, 234568, 345}
942:60a	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{16}, e^{14} + e^{26} + e^{35}$	1/61(28, 25, 50, 50, 28, 53, 78, 81, 78)	{1234789, 124589, 134679, 14569, 234568, 24678, 345, 47}
942:60b	$0, 0, 0, 0, 0, e^{12}, e^{45} - e^{13}, e^{16}, e^{35} + e^{14} + e^{26}$	1/61(28, 25, 50, 50, 28, 53, 78, 81, 78)	{1234789, 124589, 134679, 14569, 234568, 24678, 345, 47}
942:61	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{26}, e^{24} + e^{35} + e^{16}$	1/67(28, 30, 57, 56, 29, 58, 85, 88, 86)	{1234789, 124589, 345, 47}
942:62	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{13} + e^{26}, e^{45} + e^{16}$	1/53(26, 20, 40, 43, 29, 46, 69, 66, 72)	{134568, 13678, 234679, 23569}
942:63a	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{23} + e^{16}, e^{45} + e^{26}$	1/8(3, 4, 6, 7, 4, 7, 10, 10, 11)	{1234789, 123589, 134679, 13569, 234568, 23678, 345, 37}
942:63b	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{35}, e^{23} + e^{16}, e^{26} + e^{45}$	1/8(3, 4, 6, 7, 4, 7, 10, 10, 11)	{1234789, 123589, 134679, 13569, 234568, 23678, 345, 37}
942:64	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{26} + e^{15}$	1/29(12, 13, 23, 24, 26, 25, 35, 37, 38)	{ \emptyset , 12389, 12789, 1369, 1679, 23678, 268, 37}
942:66	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{34}, e^{26} + e^{35} + e^{14}$	1/151(74, 65, 83, 130, 121, 139, 157, 213, 204)	{1245789, 13469, 2468, 3457}
942:67	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{45} + e^{16} + e^{23}$	1/10(4, 5, 8, 6, 7, 9, 12, 14, 13)	{123589, 1368, 234679, 3457}
942:71	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16}, e^{26} + e^{34} + e^{15}$	1/53(21, 26, 39, 34, 52, 47, 60, 68, 73)	{ \emptyset , 1369, 14679, 347}
942:72	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13} + e^{26}, e^{45} + e^{16}$	1/109(55, 43, 86, 74, 79, 98, 129, 141, 153)	{ \emptyset , 125789, 14568, 24679}
942:73a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{45} + e^{16} + e^{23}$	1/61(26, 26, 52, 29, 49, 52, 81, 78, 78)	{123489, 1235789, 134568, 13678, 23469, 235679, 345, 37}
942:73b	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} - e^{13}, e^{16} + e^{45} + e^{23}$	1/61(26, 26, 52, 29, 49, 52, 81, 78, 78)	{123489, 1235789, 134568, 13678, 23469, 235679, 345, 37}
942:74	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{13}, e^{16} + e^{35} + e^{24}$	1/17(8, 5, 10, 16, 11, 13, 26, 18, 21)	{123489, 134568, 23469, 345}
942:75	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16} + e^{34}, e^{15} + e^{26}$	1/83(38, 37, 56, 57, 74, 75, 94, 113, 112)	{ \emptyset , 23678, 2468, 347}
942:76	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{45}, e^{14} + e^{35} + e^{26}$	1/10(5, 4, 7, 8, 6, 9, 12, 14, 13)	{123489, 145679, 2468, 3457}
942:77	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{26}, e^{35} + e^{24} + e^{16}$	1/155(63, 79, 110, 126, 95, 142, 173, 221, 205)	{123489, 14678, 24569, 3457}
942:78	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{26} + e^{15}, e^{35} + e^{16}$	1/457(239, 165, 313, 387, 330, 404, 552, 569, 643)	{ \emptyset , 123489, 14678, 23679}
942:79	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15} + e^{26}, e^{16} + e^{35}$	2/61(17, 11, 23, 17, 22, 28, 34, 39, 45)	{123578, 156789, 234567, 4579}
942:80	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{15}, e^{16} + e^{45} + e^{23}$	1/67(29, 28, 58, 30, 56, 57, 88, 85, 86)	{1235789, 134568, 235679, 345}
942:82	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{23} + e^{16}, e^{14} + e^{26}$	1/217(100, 79, 200, 158, 142, 179, 300, 279, 258)	{124789, 14679, 24568, 45}
942:83	$0, 0, 0, 0, 0, e^{12}, e^{15} + e^{34}, e^{16} + e^{23}, e^{14} + e^{26}$	1/61(23, 22, 46, 44, 67, 45, 90, 68, 67)	{123489, 13469, 234568, 345}
942:84a	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{34} + e^{16}, e^{14} + e^{35} + e^{26}$	43/241(3, 2, 4, 4, 3, 5, 7, 8, 7)	{124589, 134679, 24678, 345}
942:84b	$0, 0, 0, 0, 0, e^{12}, -e^{13} + e^{45}, e^{34} + e^{16}, e^{26} + e^{35} + e^{14}$	43/241(3, 2, 4, 4, 3, 5, 7, 8, 7)	{124589, 134679, 24678, 345}
942:85	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{34} + e^{26}, e^{35} + e^{16} + e^{24}$	67/589(3, 5, 7, 6, 4, 8, 10, 13, 11)	{124589, 345}
942:86	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{23}, e^{14} + e^{26} + e^{35}$	3/17(2, 3, 4, 6, 4, 5, 6, 7, 8)	{123489, 13469, 2345678, 3457}
942:87	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{23} + e^{16} + e^{45}$	2/31(7, 6, 14, 12, 8, 13, 21, 19, 20)	{123489, 134568, 234679, 3457}
942:91	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{15} + e^{26} + e^{34}$	1/73(27, 38, 49, 54, 76, 65, 76, 92, 103)	{1245789, 145679, 2345678, 3457}
942:92	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16} + e^{23}, e^{26} + e^{15}$	1/86(36, 37, 72, 71, 74, 73, 108, 109, 110)	{ \emptyset , 12789, 14679, 2468}
942:93a	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{25} + e^{16}, e^{26} + e^{15}$	1/43(18, 18, 37, 37, 36, 36, 55, 54, 54)	{ \emptyset , 123489, 12789, 1369, 14679, 23678, 2468, 347}
942:93b	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, -e^{16} + e^{25}, e^{15} + e^{26}$	1/43(18, 18, 37, 37, 36, 36, 55, 54, 54)	{ \emptyset , 123489, 12789, 1369, 14679, 23678, 2468, 347}
942:94	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{16}, e^{35} + e^{14} + e^{26}$	10/77(4, 3, 5, 6, 5, 7, 9, 11, 10)	{124589, 134679}
942:95	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{35} + e^{16}, e^{34} + e^{26} + e^{15}$	77/757(5, 4, 6, 7, 8, 9, 11, 14, 13)	{13569, 3457}
942:97	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{35} + e^{16}, e^{26} + e^{34} + e^{15}$	7/38(3, 2, 4, 3, 4, 5, 6, 8, 7)	{123579, 234567}
942:98	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{24} + e^{16}, e^{26} + e^{13} + e^{45}$	19/49(1, 1, 2, 2, 1, 2, 4, 3, 3)	{123489, 345}
942:99a	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{13} + e^{26}, e^{45} + e^{23} + e^{16}$	3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)	{1234789, 123589, 345, 37}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
942:99b	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, -e^{13} + e^{26}, e^{45} + e^{16} + e^{23}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{1234789, 123589, 345, 37}
942:100	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{26} + e^{13}, e^{25} + e^{16} + e^{34}$	$41/229(3, 1, 2, 5, 6, 4, 8, 5, 7)$	{123589, 345}
942:101a	$0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{16} + e^{23}, e^{14} + e^{26} + e^{35}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{1234789, 134679, 234568, 345}
942:101b	$0, 0, 0, 0, 0, e^{12}, -e^{13} + e^{45}, e^{23} + e^{16}, e^{14} + e^{26} + e^{35}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{1234789, 134679, 234568, 345}
942:102a	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{16} + e^{23}, e^{13} + e^{45} + e^{26}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{1234789, 123589, 134679, 13569, 234568, 23678, 345, 37}
942:102b	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{23} - e^{16}, e^{13} + e^{45} + e^{26}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{1234789, 123589, 134679, 13569, 234568, 23678, 345, 37}
942:102c	$0, 0, 0, 0, 0, e^{12}, e^{35} - e^{14}, e^{23} + e^{16}, e^{45} + e^{26} + e^{13}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{1234789, 123589, 134679, 13569, 234568, 23678, 345, 37}
942:102d	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{35}, e^{23} - e^{16}, e^{13} + e^{26} + e^{45}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{1234789, 123589, 134679, 13569, 234568, 23678, 345, 37}
942:103a	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{16} + e^{23}, e^{26} + e^{34} + e^{15}$	$1/19(0, 11, 0, 22, 22, 11, 22, 11, 22)$	{123589, 13569, 234568, 345}
942:103b	$0, 0, 0, 0, 0, e^{12}, e^{35} - e^{14}, e^{16} + e^{23}, e^{26} + e^{15} + e^{34}$	$1/19(0, 11, 0, 22, 22, 11, 22, 11, 22)$	{123589, 13569, 234568, 345}
942:105	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13} + e^{26}, e^{16} + e^{25} + e^{34}$	$21/167(4, 3, 6, 5, 8, 7, 9, 10, 11)$	{23569, 3457}
942:106	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{45} + e^{16}, e^{35} + e^{26} + e^{14}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{123489, 3457}
942:107	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34} + e^{16}, e^{14} + e^{35} + e^{26}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	{124589, 345}
942:108	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{26} + e^{15}, e^{23} + e^{16} + e^{45}$	$1/2(0, 1, 0, -1, 2, 1, 0, 2, 1)$	{124578, 156789}
942:126	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{45} + e^{17}$	$1/19(5, 14, 16, 13, 13, 19, 21, 24, 26)$	{0, 123489, 123589, 124578, 1278, 13469, 13569, 14567, 167, 2346789, 2356789, 24568, 268, 3479, 3579, 45}
942:127	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{45} + e^{17}$	$4/33(3, 4, 6, 6, 6, 7, 9, 11, 12)$	{0, 123489, 123589, 124578, 1278, 134689, 135689, 145678, 1678, 234679, 235679, 2456, 26, 3479, 3579, 45}
942:128	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{45} + e^{37}$	$1/28(8, 20, 17, 21, 21, 28, 25, 36, 42)$	{0, 123489, 123589, 124789, 125789, 13469, 13569, 14679, 15679, 2345678, 23678, 24568, 268, 3457, 37, 45}
942:129	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{37} + e^{45}$	$1/12(6, 5, 6, 9, 9, 11, 12, 16, 18)$	{0, 123489, 123589, 124789, 125789, 134689, 135689, 146789, 156789, 234567, 2367, 2456, 26, 3457, 37, 45}
942:142	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{14}, e^{17} + e^{45}$	$4/29(3, 3, 5, 6, 5, 6, 8, 9, 11)$	{123489, 124578, 134689, 145678, 234679, 2456, 3479, 45}
942:143	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{17} + e^{45}$	$1/13(4, 9, 10, 8, 10, 13, 14, 17, 18)$	{0, 123589, 1278, 13569, 167, 2356789, 268, 3579}
942:144	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{45} + e^{37}$	$1/172(90, 67, 85, 134, 126, 157, 175, 224, 260)$	{123489, 124789, 134689, 146789, 234567, 2456, 3457, 45}
942:145	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{45} + e^{37}$	$1/99(34, 65, 56, 68, 78, 99, 90, 133, 146)$	{0, 123589, 125789, 13569, 15679, 23678, 268, 37}
942:146	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{16}, e^{45} + e^{17}$	$1/23(7, 17, 17, 14, 17, 24, 24, 31, 31)$	{0, 123589, 124578, 13469, 167, 2356789, 24568, 3479}
942:147	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{45} + e^{17}$	$1/16(6, 8, 11, 11, 12, 14, 17, 22, 23)$	{0, 123589, 124578, 135689, 145678, 234679, 26, 3479}
942:148	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{16}, e^{37} + e^{45}$	$1/83(25, 59, 49, 60, 63, 84, 74, 109, 123)$	{0, 123589, 124789, 13469, 15679, 23678, 24568, 3457}
942:149	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{26}, e^{37} + e^{45}$	$1/172(84, 70, 89, 135, 127, 154, 173, 224, 262)$	{123489, 125789, 134689, 156789, 2367, 2456, 37, 45}
942:154	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{37} + e^{14} + e^{25}$	$1/17(6, 10, 9, 18, 14, 16, 15, 22, 24)$	{123489, 124789, 134569, 145679, 2345678, 24568, 347, 4}
942:155	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{17} + e^{45} + e^{23}$	$1/227(73, 146, 176, 161, 161, 219, 249, 292, 322)$	{0, 13469, 13569, 14567, 167, 3479, 3579, 45}
942:157	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{37} + e^{25} + e^{14}$	$1/293(138, 125, 136, 272, 285, 263, 274, 388, 410)$	{0, 12389, 12789, 135689, 156789, 23567, 256, 37}
942:158	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{17} + e^{23} + e^{45}$	$4/29(2, 4, 6, 5, 5, 6, 8, 10, 10)$	{123489, 123589, 124578, 1278, 234679, 235679, 2456, 26}
942:159	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{35} + e^{24} + e^{17}$	$1/81(33, 37, 49, 78, 66, 70, 82, 107, 115)$	{0, 12389, 12478, 134689, 1678, 23679, 246, 3479}
942:160	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16}, e^{45} + e^{17}$	$1/20(7, 13, 14, 14, 14, 20, 21, 27, 28)$	{0, 124578, 1278, 14567, 167, 24568, 268, 45}
942:161	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16}, e^{37} + e^{45}$	$1/107(32, 75, 64, 80, 80, 107, 96, 139, 160)$	{0, 124789, 125789, 14679, 15679, 24568, 268, 45}
942:162	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{14}, e^{17} + e^{25}$	$1/227(75, 111, 161, 222, 200, 186, 236, 297, 311)$	{0, 12389, 12578, 135689, 1678, 23679, 256, 3579}
942:164	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{15} + e^{37}$	$1/32(14, 15, 15, 30, 30, 29, 29, 44, 44)$	{0, 12389, 12789, 13689, 16789, 2367, 26, 37}
942:165	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{15} + e^{37}$	$1/81(32, 49, 39, 64, 78, 81, 71, 113, 110)$	{0, 12389, 12789, 1369, 1679, 23678, 268, 37}
942:166	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{17} + e^{35}$	$1/13(5, 8, 8, 10, 10, 13, 13, 18, 18)$	{0, 12389, 1278, 1369, 167, 236789, 268, 379}
942:167	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{37} + e^{25}$	$1/281(132, 127, 128, 254, 261, 259, 260, 386, 388)$	{0, 12389, 12789, 135689, 156789, 23567, 256, 37}
942:168	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{16}, e^{25} + e^{37}$	$1/24(10, 13, 12, 20, 21, 23, 22, 33, 34)$	{0, 12389, 12789, 13569, 15679, 235678, 2568, 37}
942:169	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{16}, e^{17} + e^{25}$	$1/13(5, 8, 8, 10, 10, 13, 13, 18, 18)$	{0, 12389, 124578, 134569, 167, 236789, 24568, 34579}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
942:170	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{17} + e^{25}$	$1/61(24, 31, 36, 50, 53, 55, 60, 86, 84)$	$\{0, 12389, 124578, 135689, 14678, 234679, 256, 34579\}$
942:171	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{25} + e^{37}$	$1/17(9, 7, 7, 16, 16, 16, 16, 23, 23)$	$\{0, 12389, 124789, 135689, 1456789, 234567, 256, 347\}$
942:190	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{17} + e^{26} + e^{45}$	$1/257(82, 147, 212, 188, 188, 229, 294, 311, 376)$	$\{0, 123489, 123589, 13469, 13569, 24568, 268, 45\}$
942:191a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{26} + e^{45} + e^{37}$	$1/89(28, 55, 55, 69, 69, 83, 83, 111, 138)$	$\{0, 123489, 123589, 124789, 125789, 13469, 13569, 14679, 15679, 2345678, 23678, 24568, 268, 3457, 37, 45\}$
942:191b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16}, e^{37} + e^{45} + e^{26}$	$1/89(28, 55, 55, 69, 69, 83, 83, 111, 138)$	$\{0, 123489, 123589, 124789, 125789, 13469, 13569, 14679, 15679, 2345678, 23678, 24568, 268, 3457, 37, 45\}$
942:193	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{37} + e^{45} + e^{16}$	$1/172(92, 70, 81, 127, 127, 162, 173, 232, 254)$	$\{134689, 135689, 146789, 156789, 234567, 2367, 2456, 26\}$
942:195	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{16}, e^{26} + e^{17}$	$1/139(53, 76, 99, 91, 91, 129, 152, 182, 205)$	$\{123459, 1239, 134689, 135689, 2456, 26, 48, 58\}$
942:196a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{45}, e^{37} + e^{26}$	$2/23(5, 6, 6, 8, 8, 11, 11, 16, 17)$	$\{0, 123489, 123589, 124789, 125789, 134569, 1369, 145679, 1679, 234678, 235678, 2468, 2568, 3457, 37, 45\}$
942:196b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{45} + e^{16}, e^{37} + e^{26}$	$2/23(5, 6, 6, 8, 8, 11, 11, 16, 17)$	$\{0, 123489, 123589, 124789, 125789, 134569, 1369, 145679, 1679, 234678, 235678, 2468, 2568, 3457, 37, 45\}$
942:198	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{45}, e^{16} + e^{37}$	$1/23(10, 12, 11, 17, 17, 22, 21, 34, 32)$	$\{0, 123489, 123589, 124789, 125789, 3457, 37, 45\}$
942:203	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{45}, e^{14} + e^{25} + e^{37}$	$3/14(2, 3, 2, 4, 3, 5, 4, 7, 6)$	$\{123489, 124789, 134569, 145679\}$
942:204	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{16}, e^{35} + e^{17} + e^{24}$	$1/77(26, 53, 54, 53, 52, 79, 80, 105, 106)$	$\{0, 12478, 167, 2468\}$
942:205	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{26}, e^{14} + e^{25} + e^{37}$	$6/47(4, 4, 3, 6, 6, 8, 7, 12, 10)$	$\{134689, 146789, 3457, 45\}$
942:206	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{26}, e^{35} + e^{24} + e^{17}$	$1/525(181, 296, 345, 411, 362, 477, 526, 773, 707)$	$\{0, 12478, 134689, 23679\}$
942:207	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{14}, e^{24} + e^{37} + e^{15}$	$1/117(52, 54, 55, 108, 110, 106, 107, 160, 162)$	$\{0, 12389, 12789, 37\}$
942:208	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{17} + e^{45} + e^{23}$	$4/17(1, 2, 4, 4, 2, 3, 5, 5, 6)$	$\{123489, 124578, 234679, 2456\}$
942:209	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{24} + e^{17} + e^{35}$	$1/102(41, 48, 62, 96, 82, 89, 103, 137, 144)$	$\{0, 12389, 1678, 23679\}$
942:212	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{16}, e^{45} + e^{23} + e^{17}$	$1/49(16, 32, 37, 32, 37, 48, 53, 64, 69)$	$\{0, 13569, 167, 3579\}$
942:214	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{16}, e^{25} + e^{37} + e^{14}$	$1/113(48, 63, 53, 106, 91, 111, 101, 159, 154)$	$\{124789, 134569, 24568, 347\}$
942:215	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{34}, e^{15} + e^{24} + e^{37}$	$1/25(9, 15, 13, 20, 26, 24, 22, 33, 35)$	$\{123589, 134569, 24568, 5\}$
942:216	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{34}, e^{17} + e^{45} + e^{23}$	$1/83(28, 56, 59, 53, 62, 84, 87, 112, 115)$	$\{0, 13469, 167, 3479\}$
942:217a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{34}, e^{17} + e^{35} + e^{24}$	$1/13(5, 8, 8, 10, 10, 13, 13, 18, 18)$	$\{0, 12389, 12478, 13469, 167, 236789, 2468, 3479\}$
942:217b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16} + e^{34}, e^{17} + e^{35} + e^{24}$	$1/13(5, 8, 8, 10, 10, 13, 13, 18, 18)$	$\{0, 12389, 12478, 13469, 167, 236789, 2468, 3479\}$
942:218	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{25} + e^{14} + e^{37}$	$1/49(24, 21, 22, 44, 47, 45, 46, 66, 68)$	$\{0, 12389, 135689, 256\}$
942:219	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{26}, e^{24} + e^{37} + e^{15}$	$1/53(25, 24, 24, 49, 48, 49, 49, 73, 73)$	$\{0, 12389, 146789, 23467\}$
942:220	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{45} + e^{23} + e^{17}$	$1/14(4, 8, 11, 9, 10, 12, 15, 20, 19)$	$\{123589, 124578, 234679, 26\}$
942:230	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{17} + e^{45} + e^{26}$	$1/41(14, 23, 32, 28, 32, 37, 46, 51, 60)$	$\{0, 123589, 13569, 268\}$
942:231	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{37} + e^{45} + e^{16}$	$2/47(13, 9, 11, 18, 17, 22, 24, 31, 35)$	$\{134689, 146789, 234567, 2456\}$
942:233a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{26} + e^{37} + e^{45}$	$1/153(55, 89, 89, 110, 123, 144, 144, 199, 233)$	$\{0, 123589, 125789, 13569, 15679, 23678, 268, 37\}$
942:233b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16} + e^{24}, e^{26} + e^{37} + e^{45}$	$1/153(55, 89, 89, 110, 123, 144, 144, 199, 233)$	$\{0, 123589, 125789, 13569, 15679, 23678, 268, 37\}$
942:235	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{16}, e^{45} + e^{17} + e^{26}$	$1/489(191, 261, 331, 312, 401, 452, 522, 643, 713)$	$\{0, 123589, 13469, 24568\}$
942:236a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{16}, e^{37} + e^{45} + e^{26}$	$1/153(55, 89, 89, 110, 123, 144, 144, 199, 233)$	$\{0, 123589, 124789, 13469, 15679, 23678, 24568, 3457\}$
942:236b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{34} + e^{16}, e^{37} + e^{45} + e^{26}$	$1/153(55, 89, 89, 110, 123, 144, 144, 199, 233)$	$\{0, 123589, 124789, 13469, 15679, 23678, 24568, 3457\}$
942:238	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{45} + e^{37} + e^{16}$	$1/28(16, 10, 13, 23, 19, 26, 29, 36, 42)$	$\{134689, 156789, 2367, 2456\}$
942:240a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{45}, e^{37} + e^{14} + e^{26}$	$2/19(5, 4, 4, 8, 6, 9, 9, 14, 13)$	$\{123489, 124789, 134569, 145679, 234678, 2468, 3457, 45\}$
942:240b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16} + e^{45}, e^{37} + e^{26} + e^{14}$	$2/19(5, 4, 4, 8, 6, 9, 9, 14, 13)$	$\{123489, 124789, 134569, 145679, 234678, 2468, 3457, 45\}$
942:242	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{45}, e^{17} + e^{26} + e^{34}$	$2/61(11, 17, 23, 22, 17, 28, 34, 39, 45)$	$\{123459, 134689, 2456, 48\}$
942:243	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{26}, e^{16} + e^{24} + e^{37}$	$16/201(5, 7, 6, 10, 9, 12, 11, 19, 17)$	$\{123489, 124789, 3457, 45\}$
942:245	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16}, e^{37} + e^{25} + e^{14}$	$1/14(4, 9, 8, 16, 11, 13, 12, 17, 20)$	$\{123489, 134569, 2345678, 347\}$
942:246	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16}, e^{24} + e^{35} + e^{17}$	$1/73(26, 43, 52, 61, 52, 69, 78, 95, 104)$	$\{123458, 1356, 2345678, 357\}$
942:250	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16}, e^{45} + e^{17} + e^{26}$	$43/235(2, 3, 4, 4, 4, 5, 6, 7, 8)$	$\{0, 24568, 268, 45\}$
942:251a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16}, e^{26} + e^{37} + e^{45}$	$25/161(2, 4, 4, 5, 5, 6, 6, 8, 10)$	$\{123489, 123589, 13469, 13569, 2345678, 23678, 3457, 37\}$
942:251b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{16}, e^{37} + e^{45} + e^{26}$	$25/161(2, 4, 4, 5, 5, 6, 6, 8, 10)$	$\{123489, 123589, 13469, 13569, 2345678, 23678, 3457, 37\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
942:253	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{37} + e^{16} + e^{25}$	1/159(74, 72, 73, 144, 148, 146, 147, 218, 220)	{0, 12389, 12789, 37}
942:257	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{35} + e^{17} + e^{26}$	1/77(31, 40, 49, 62, 62, 71, 80, 102, 111)	{0, 12389, 1369, 268}
942:260	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{16}, e^{26} + e^{35} + e^{17}$	1/14(6, 7, 8, 11, 12, 13, 14, 19, 20)	{0, 12389, 13469, 2468}
942:261	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{16} + e^{25} + e^{37}$	1/59(28, 26, 27, 53, 56, 54, 55, 80, 82)	{0, 12389, 124789, 347}
942:263	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{45} + e^{23}, e^{17} + e^{26}$	6/65(4, 6, 8, 7, 7, 10, 12, 14, 16)	{2456, 26, 48, 58}
942:265	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26} + e^{35}, e^{16} + e^{37}$	1/59(26, 28, 27, 56, 55, 54, 53, 82, 80)	{0, 12389, 125789, 357}
942:266a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16} + e^{45}, e^{26} + e^{37}$	6/19(1, 2, 2, 2, 2, 3, 3, 4, 5)	{123489, 123589, 134569, 1369, 234678, 235678, 3457, 37}
942:266b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16} + e^{23} + e^{45}, e^{37} + e^{26}$	6/19(1, 2, 2, 2, 2, 3, 3, 4, 5)	{123489, 123589, 134569, 1369, 234678, 235678, 3457, 37}
942:267a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24} + e^{16}, e^{37} + e^{26}$	1/27(12, 13, 13, 24, 24, 25, 25, 37, 38)	{0, 12389, 125789, 13569, 1679, 23678, 2568, 357}
942:267b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{35} + e^{24} + e^{16}, e^{26} + e^{37}$	1/27(12, 13, 13, 24, 24, 25, 25, 37, 38)	{0, 12389, 125789, 13569, 1679, 23678, 2568, 357}
942:276	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{17} + e^{26}, e^{37} + e^{45} + e^{16}$	16/67(2, 2, 2, 2, 3, 3, 4, 4, 6, 6)	{134689, 135689, 2456, 26}
942:281	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{15} + e^{34}, e^{37} + e^{14} + e^{25}$	17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)	{0, 12389}
942:282	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{16} + e^{45}, e^{14} + e^{25} + e^{37}$	1/8(2, 7, 4, 8, 3, 9, 6, 11, 10)	{123489, 134569}
942:284a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{35} + e^{16}, e^{23} + e^{45} + e^{17}$	23/67(1, 2, 2, 2, 2, 3, 3, 4, 4)	{0, 13569, 167, 3579}
942:284b	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} - e^{24} + e^{16}, e^{45} + e^{23} + e^{17}$	23/67(1, 2, 2, 2, 2, 3, 3, 4, 4)	{0, 13569, 167, 3579}
942:286	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24} + e^{16}, e^{45} + e^{26} + e^{17}$	59/445(3, 4, 5, 6, 5, 7, 8, 10, 11)	{0, 13569}
942:287	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26} + e^{35}, e^{16} + e^{37} + e^{45}$	11/95(5, 3, 4, 6, 7, 8, 9, 11, 13)	{146789, 2456}
942:288a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24} + e^{35}, e^{37} + e^{26} + e^{45}$	41/217(2, 3, 3, 4, 4, 5, 5, 7, 8)	{0, 125789, 13569, 23678}
942:288b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16} + e^{35} + e^{24}, e^{26} + e^{37} + e^{45}$	41/217(2, 3, 3, 4, 4, 5, 5, 7, 8)	{0, 125789, 13569, 23678}
942:291a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{23} + e^{45}, e^{14} + e^{26} + e^{37}$	2/7(1, 2, 2, 4, 0, 3, 3, 4, 5)	{123489, 134569, 234678, 3457}
942:291b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{45} + e^{23} + e^{16}, e^{37} + e^{14} + e^{26}$	2/7(1, 2, 2, 4, 0, 3, 3, 4, 5)	{123489, 134569, 234678, 3457}
942:293a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{25} + e^{34}, e^{37} + e^{14} + e^{26}$	17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)	{124789, 13469, 2468, 347}
942:293b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{25} + e^{16} + e^{34}, e^{26} + e^{37} + e^{14}$	17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)	{124789, 13469, 2468, 347}
942:294a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26} + e^{35}, e^{16} + e^{24} + e^{37}$	17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)	{0, 12389, 125789, 357}
942:294b	$0, 0, 0, 0, 0, e^{12}, e^{13}, -e^{14} + e^{26} + e^{35}, e^{16} + e^{24} + e^{37}$	17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)	{0, 12389, 125789, 357}
942:295	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{34} + e^{26}, e^{16} + e^{24} + e^{37}$	17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)	{0, 12389}
942:300	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{23} + e^{16}, e^{17} + e^{26} + e^{34}$	7/38(2, 3, 4, 4, 3, 5, 6, 7, 8)	{123459, 134689}
942:311	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{17} + e^{34}, e^{16} + e^{25} + e^{37}$	17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)	{0, 12389}
942:316	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{25} + e^{37}$	2/21(4, 6, 4, 7, 9, 10, 11, 14, 15)	{0, 123489, 123578, 124789, 1258, 134569, 1367, 145679, 16, 234689, 235678, 246789, 2568, 3459, 37, 4579}
942:319	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{25}, e^{15} + e^{37}$	1/123(54, 69, 40, 82, 108, 123, 122, 177, 162)	{12378, 128, 1367, 16, 234689, 246789, 349, 479}
942:321	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}, e^{25} + e^{37}$	1/57(21, 32, 23, 37, 51, 53, 60, 74, 83)	{123578, 124789, 1367, 145679, 235678, 246789, 37, 4579}
942:322a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{15}, e^{35} + e^{47}$	1/5(3, 2, 3, 2, 4, 5, 5, 7, 7)	{0, 123489, 123789, 12478, 128, 134689, 136789, 14678, 168, 23469, 23679, 2467, 26, 349, 379, 47}
942:322b	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{26} + e^{15}, e^{35} + e^{47}$	1/5(3, 2, 3, 2, 4, 5, 5, 7, 7)	{0, 123489, 123789, 12478, 128, 134689, 136789, 14678, 168, 23469, 23679, 2467, 26, 349, 379, 47}
942:323a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}, e^{47} + e^{25}$	1/5(2, 3, 3, 2, 4, 5, 5, 7, 7)	{0, 123489, 123789, 124578, 1258, 134569, 135679, 1467, 16, 234689, 236789, 245678, 2568, 3459, 3579, 47}
942:323b	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{16} + e^{35}, e^{47} + e^{25}$	1/5(2, 3, 3, 2, 4, 5, 5, 7, 7)	{0, 123489, 123789, 124578, 1258, 134569, 135679, 1467, 16, 234689, 236789, 245678, 2568, 3459, 3579, 47}
942:328	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{13}, e^{15} + e^{37}$	2/17(6, 2, 4, 5, 7, 8, 9, 10, 13)	{123489, 123578, 134689, 135678, 234569, 2367, 3459, 37}
942:329	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{23}, e^{15} + e^{37}$	1/21(4, 17, 8, 12, 24, 21, 20, 25, 28)	{1234589, 12378, 134569, 1367, 234689, 235678, 349, 357}
942:330	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{47} + e^{13} + e^{25}$	2/17(4, 4, 7, 2, 7, 8, 9, 12, 11)	{123489, 123789, 124578, 1258, 134569, 135679, 1467, 16}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
942:332	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{47} + e^{15}$	$1/57(34, 20, 40, 21, 48, 54, 61, 74, 82)$	{123489, 123789, 134689, 136789, 234569, 235679, 3459, 3579}
942:334	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{47} + e^{35}$	$1/57(40, 17, 34, 24, 48, 57, 58, 74, 82)$	{123489, 123789, 134689, 136789, 23469, 23679, 349, 379}
942:335	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{13}, e^{37} + e^{45}$	$1/31(24, 7, 14, 17, 28, 31, 31, 38, 45)$	{123489, 12378, 134689, 13678, 23469, 2367, 349, 37}
942:339	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{26} + e^{15} + e^{37}$	$1/123(48, 63, 46, 82, 126, 111, 128, 159, 174)$	{1234589, 1245789, 134569, 145679, 235678, 2568, 357, 5}
942:340	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16}, e^{47} + e^{26} + e^{35}$	$1/27(10, 15, 16, 12, 24, 25, 28, 35, 40)$	{ \emptyset , 123489, 123789, 13469, 13679, 24678, 268, 47}
942:341	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{26}, e^{37} + e^{16}$	$1/27(13, 12, 10, 18, 24, 25, 28, 37, 38)$	{ \emptyset , 123489, 124789, 13678, 168, 23469, 24679, 37}
942:342	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}, e^{37} + e^{26}$	$1/57(23, 29, 21, 39, 54, 52, 60, 75, 81)$	{ \emptyset , 123489, 1245789, 134569, 14679, 23678, 2568, 357}
942:343	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}, e^{47} + e^{26}$	$1/18(8, 9, 10, 8, 15, 17, 18, 25, 26)$	{ \emptyset , 123489, 123789, 134569, 135679, 245678, 2568, 47}
942:345	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{15}, e^{13} + e^{25} + e^{47}$	$1/657(386, 282, 460, 193, 564, 668, 653, 950, 846)$	{12478, 128, 134689, 136789}
942:346a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}, e^{47} + e^{13} + e^{25}$	$1/4(2, 2, 3, 1, 3, 4, 4, 6, 5)$	{123489, 123789, 124578, 1258, 134569, 135679, 1467, 16}
942:346b	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{16} + e^{35}, e^{13} + e^{47} + e^{25}$	$1/4(2, 2, 3, 1, 3, 4, 4, 6, 5)$	{123489, 123789, 124578, 1258, 134569, 135679, 1467, 16}
942:347	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{35}, e^{15} + e^{47} + e^{23}$	$2/41(8, 14, 12, 7, 18, 22, 19, 30, 26)$	{234689, 236789, 245678, 2568}
942:348	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{35}, e^{14} + e^{25} + e^{37}$	$2/109(26, 17, 13, 47, 56, 43, 60, 69, 73)$	{123578, 124789, 1367, 145679}
942:351	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}, e^{26} + e^{37} + e^{15}$	$1/211(89, 103, 75, 145, 206, 192, 220, 281, 295)$	{1245789, 134569, 2568, 357}
942:352a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{26}, e^{47} + e^{16} + e^{35}$	$1/31(16, 13, 19, 13, 26, 29, 32, 42, 45)$	{ \emptyset , 123489, 123789, 14678, 168, 23469, 23679, 47}
942:352b	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{26} + e^{15}, e^{16} + e^{47} + e^{35}$	$1/31(16, 13, 19, 13, 26, 29, 32, 42, 45)$	{ \emptyset , 123489, 123789, 14678, 168, 23469, 23679, 47}
942:353	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{35}, e^{26} + e^{15} + e^{47}$	$16/747(23, 21, 25, 20, 42, 44, 45, 67, 65)$	{134569, 135679, 245678, 2568}
942:354	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{35}, e^{45} + e^{26} + e^{37}$	$1/681(259, 373, 297, 411, 594, 632, 708, 891, 1005)$	{ \emptyset , 123489, 14679, 23678}
942:372	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{15} + e^{23} + e^{47}$	$1/46(23, 20, 40, 10, 37, 43, 50, 63, 60)$	{123489, 123789, 234569, 235679}
942:373	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{14} + e^{25} + e^{37}$	$1/121(96, 24, 48, 67, 139, 120, 115, 144, 163)$	{234569, 2367, 349, 357}
942:374	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{37} + e^{24} + e^{15}$	$2/5(2, 0, 0, 3, 1, 2, 3, 2, 3)$	{123489, 123578, 234569, 2367}
942:377	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{13}, e^{25} + e^{37} + e^{16}$	$1/13(8, 3, 6, 7, 16, 11, 13, 14, 19)$	{1234589, 135678, 234569, 357}
942:378	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{47} + e^{16} + e^{25}$	$1/279(147, 100, 200, 97, 294, 247, 297, 347, 394)$	{1234589, 1235789, 234569, 235679}
942:379	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{47} + e^{16} + e^{35}$	$1/69(41, 22, 44, 30, 60, 63, 74, 85, 104)$	{123489, 123789, 23469, 23679}
942:380	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{13}, e^{16} + e^{37} + e^{45}$	$1/91(59, 22, 44, 52, 88, 81, 96, 103, 140)$	{123489, 13678, 23469, 37}
942:381	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{26}, e^{16} + e^{23} + e^{47}$	$1/91(37, 44, 74, 22, 88, 81, 96, 125, 118)$	{123489, 123789, 23469, 23679}
942:382	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{35}, e^{13} + e^{26} + e^{47}$	$1/14(8, 5, 10, 4, 11, 13, 14, 21, 18)$	{123489, 123789, 134569, 135679}
942:383	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{16}, e^{37} + e^{26} + e^{14}$	$5/133(12, 11, 6, 22, 29, 23, 28, 35, 34)$	{1234589, 124789, 13469, 145679}
942:384	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{45} + e^{26}, e^{37} + e^{16}$	$1/14(9, 4, 8, 6, 11, 13, 14, 17, 22)$	{123489, 135678, 234569, 37}
942:385	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{26} + e^{35} + e^{14}, e^{37} + e^{16}$	$1/81(43, 30, 28, 60, 75, 73, 88, 103, 116)$	{123489, 1245789, 234569, 24679}
942:387	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{37}, e^{15} + e^{47} + e^{26}$	$1/81(37, 39, 37, 39, 78, 76, 76, 113, 115)$	{ \emptyset , 123489, 13679, 24678}
942:397	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{14} + e^{26}, e^{25} + e^{13} + e^{47}$	$11/98(8, 2, 3, 4, 9, 10, 7, 12, 11)$	{134689, 145678}
942:398a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{35} + e^{24}, e^{25} + e^{47} + e^{13}$	$(0, 1, 1, 0, 0, 1, 1, 1, 1)$	{123489, 124578, 134569, 1467}
942:398b	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{16} + e^{35} + e^{24}, e^{25} + e^{13} + e^{47}$	$(0, 1, 1, 0, 0, 1, 1, 1, 1)$	{123489, 124578, 134569, 1467}
942:401	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{45} + e^{23} + e^{16}, e^{37} + e^{15} + e^{26}$	$32/287(3, 5, 6, 1, 10, 8, 7, 11, 13)$	{134569, 235678}
942:402	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{24} + e^{35}, e^{15} + e^{37} + e^{26}$	$7/71(4, 5, 3, 8, 10, 9, 11, 13, 14)$	{1245789, 134569}
942:403	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{45} + e^{26}, e^{35} + e^{47} + e^{16}$	$91/1093(7, 4, 8, 5, 10, 11, 13, 15, 18)$	{123489, 23679}
942:425a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{25} + e^{37} + e^{16}, e^{26} + e^{15} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 13679, 24678}
942:425b	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{37} - e^{16} + e^{25}, e^{47} + e^{15} + e^{26}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 13679, 24678}
942:426a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{37} + e^{26} + e^{15}, e^{47} + e^{16} + e^{35}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 14678, 23679}
942:426b	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{26} + e^{15} + e^{37}, e^{16} + e^{35} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{ \emptyset , 123489, 14678, 23679}
942:430a	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{45} + e^{16} + e^{23}, e^{47} + e^{26} + e^{13}$	$35/163(2, 2, 4, 1, 5, 4, 5, 6, 6)$	{1234589, 123789, 13469, 135679}
942:430b	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{45} + e^{23} - e^{16}, e^{47} + e^{13} + e^{26}$	$35/163(2, 2, 4, 1, 5, 4, 5, 6, 6)$	{1234589, 123789, 13469, 135679}
942:431	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{16} + e^{24} + e^{35}, e^{13} + e^{47} + e^{26}$	$1/2(0, 1, 2, 0, -1, 1, 2, 1, 2)$	{123489, 134569}
942:433	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{23} + e^{47} + e^{16}, e^{37} + e^{26} + e^{15}$	$5/17(1, 2, 2, 1, 4, 3, 3, 4, 5)$	{1234589, 235678}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
941:11	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{45} + e^{13}, e^{16}$	1/11(4, 7, 9, 5, 8, 11, 14, 13, 15)	{123489, 1235789, 124579, 129, 13468, 135678, 14567, 16, 234569, 23679, 246789, 25689, 345, 37, 478, 58}
941:12	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{45}, e^{26}$	1/39(24, 14, 27, 21, 30, 38, 48, 51, 52)	{0, 123459, 12379, 124789, 12589, 134569, 13679, 146789, 15689, 23468, 235678, 24567, 26, 348, 3578, 457}
941:13	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35}, e^{16} + e^{45}$	1/39(14, 26, 21, 27, 27, 40, 48, 48, 54)	{0, 123489, 123579, 12479, 12589, 13456, 13678, 145678, 16, 234689, 235679, 24679, 25689, 345, 378, 4578}
941:23	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{16} + e^{35}$	1/41(16, 27, 24, 29, 35, 43, 40, 53, 59)	{123479, 123789, 124589, 1259, 134567, 135678, 1468, 16, 23469, 23689, 2456789, 25679, 345, 358, 478, 7}
941:24	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{26} + e^{35}$	1/27(16, 11, 14, 20, 24, 27, 30, 34, 38)	{0, 12349, 12389, 1245789, 12579, 13469, 13689, 1456789, 15679, 234567, 235678, 2468, 26, 3457, 3578, 48}
941:25	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{16} + e^{45}$	1/19(7, 13, 13, 11, 16, 20, 20, 24, 27)	{0, 12349, 123589, 124789, 12579, 13456, 1368, 145678, 167, 234679, 2356789, 24689, 2569, 3457, 378, 458}
941:26	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{45} + e^{26}$	1/18(10, 8, 11, 11, 15, 18, 21, 22, 26)	{0, 12349, 123589, 124789, 12579, 13469, 135689, 146789, 15679, 234567, 23678, 24568, 26, 3457, 378, 458}
941:28	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{14}, e^{26}$	1/24(12, 10, 15, 21, 18, 22, 27, 33, 32)	{0, 123459, 12389, 12479, 125789, 134569, 13689, 14679, 156789, 234678, 23567, 24568, 26, 3478, 357, 458}
941:29	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{23}, e^{16}$	1/27(9, 17, 21, 19, 19, 26, 30, 38, 35)	{0, 123459, 1239, 124789, 125789, 13468, 13568, 14567, 167, 2345679, 23679, 24689, 25689, 3478, 3578, 45}
941:30	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{35}, e^{16}$	1/19(7, 11, 13, 16, 14, 18, 20, 27, 25)	{0, 123459, 12389, 12479, 125789, 13468, 1356, 145678, 167, 2345679, 236789, 2469, 25689, 3478, 357, 458}
941:31	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{23}, e^{26}$	1/11(5, 5, 9, 7, 7, 10, 14, 14, 15)	{123489, 123589, 124579, 1279, 134569, 1369, 146789, 156789, 234678, 235678, 2456, 26, 3457, 37, 48, 58}
941:32	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{26}$	1/19(11, 7, 11, 18, 14, 18, 22, 25, 25)	{0, 123459, 12389, 12479, 125789, 134689, 13569, 1456789, 1679, 234567, 23678, 246, 2568, 3478, 357, 458}
941:33	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{34} + e^{16}$	1/27(9, 19, 21, 16, 19, 28, 30, 35, 37)	{0, 123589, 1239, 124579, 124789, 13456, 13468, 15678, 167, 2356789, 23679, 24569, 24689, 3457, 3478, 58}
941:34	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{34} + e^{26}$	2/47(12, 10, 17, 15, 16, 22, 29, 31, 32)	{0, 123589, 1239, 124579, 124789, 135689, 1369, 145679, 146789, 234567, 234678, 2568, 26, 3457, 3478, 58}
941:35	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{16}$	1/11(5, 5, 8, 7, 8, 10, 15, 13, 15)	{123489, 123789, 124579, 1259, 134568, 135678, 1467, 16, 234569, 235679, 246789, 2689, 34, 37, 4578, 58}
941:36	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{16}$	1/27(9, 17, 16, 19, 24, 26, 35, 33, 35)	{0, 123459, 123579, 124789, 1289, 13468, 13678, 14567, 156, 23469, 23679, 2456789, 25689, 3458, 3578, 47}
941:37	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35}, e^{13} + e^{26}$	1/11(8, 3, 6, 8, 8, 11, 14, 14, 14)	{123459, 123489, 123579, 123789, 134569, 134689, 135679, 136789, 23456, 23468, 23567, 23678, 345, 348, 357, 378}
941:38	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35}, e^{26} + e^{14}$	1/47(30, 17, 24, 34, 35, 47, 58, 59, 64)	{0, 123579, 123789, 12589, 129, 135679, 136789, 15689, 169, 23567, 23678, 2568, 26, 357, 378, 58}
941:39	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{45} + e^{13}, e^{16} + e^{35}$	1/71(28, 45, 54, 35, 47, 73, 89, 82, 101)	{123489, 124579, 135678, 16, 23679, 25689, 345, 478}
941:40	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{45} + e^{13}, e^{26} + e^{35}$	1/32(20, 12, 21, 18, 23, 32, 39, 41, 44)	{0, 12379, 12589, 13679, 15689, 235678, 26, 3578}
941:41a	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{45} + e^{13}, e^{16}$	1/5(2, 3, 4, 4, 2, 5, 6, 6, 7)	{1234789, 123589, 124579, 129, 134678, 13568, 14567, 16, 234569, 23679, 24689, 256789, 345, 37, 48, 578}
941:41b	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{35}, e^{13} + e^{45}, e^{16}$	1/5(2, 3, 4, 4, 2, 5, 6, 6, 7)	{1234789, 123589, 124579, 129, 134678, 13568, 14567, 16, 234569, 23679, 24689, 256789, 345, 37, 48, 578}
941:42a	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{13} + e^{45}, e^{26}$	1/21(12, 8, 15, 15, 12, 20, 27, 27, 28)	{0, 123459, 12379, 12489, 125789, 134569, 13679, 14689, 156789, 234678, 23568, 24567, 26, 3478, 358, 457}
941:42b	$0, 0, 0, 0, 0, e^{12}, e^{35} - e^{14}, e^{13} + e^{45}, e^{26}$	1/21(12, 8, 15, 15, 12, 20, 27, 27, 28)	{0, 123459, 12379, 12489, 125789, 134569, 13679, 14689, 156789, 234678, 23568, 24567, 26, 3478, 358, 457}
941:43	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{45} + e^{23}, e^{16}$	1/59(22, 36, 41, 48, 29, 58, 70, 77, 80)	{134678, 13568, 14567, 16, 234569, 23679, 24689, 256789}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
941:47	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{45} + e^{16}$	$1/68(31, 38, 45, 50, 50, 69, 76, 83, 100)$	$\{\emptyset, 12349, 12359, 124789, 125789, 134568, 1368, 14567, 167, 234679, 235679, 24689, 25689, 34578, 378, 45\}$
941:48	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16} + e^{35}$	$1/23(8, 17, 16, 19, 17, 25, 24, 27, 33)$	$\{\emptyset, 12349, 12389, 124579, 125789, 13456, 13568, 1467, 1678, 2346789, 23679, 245689, 2569, 34578, 357, 48\}$
941:49	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}$	$1/68(30, 35, 46, 53, 54, 65, 76, 83, 100)$	$\{\emptyset, 12349, 12389, 124579, 125789, 13469, 13689, 145679, 156789, 2345678, 23567, 2468, 26, 34578, 357, 48\}$
941:50	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{16} + e^{35}$	$1/68(31, 36, 45, 50, 53, 67, 76, 86, 98)$	$\{\emptyset, 12349, 12389, 124579, 125789, 134568, 1356, 14678, 167, 234679, 236789, 24569, 25689, 34578, 357, 48\}$
941:51	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{26}$	$1/5(3, 2, 3, 4, 4, 5, 6, 6, 7)$	$\{\emptyset, 12349, 12389, 124579, 125789, 134689, 1369, 1456789, 15679, 234567, 235678, 246, 268, 34578, 357, 48\}$
941:52	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{26} + e^{15}$	$1/27(14, 12, 16, 19, 24, 26, 30, 35, 38)$	$\{\emptyset, 12349, 12389, 124789, 1279, 13469, 13689, 146789, 1679, 23467, 23678, 2468, 26, 347, 378, 48\}$
941:53	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{16}$	$1/19(8, 11, 12, 13, 16, 19, 20, 25, 27)$	$\{\emptyset, 12349, 12389, 124789, 1279, 1346, 1368, 14678, 167, 234679, 236789, 24689, 269, 347, 378, 48\}$
941:54	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{16}$	$1/23(8, 13, 19, 22, 17, 21, 27, 30, 29)$	$\{\emptyset, 123459, 12389, 124579, 12789, 1346, 13568, 1467, 15678, 2346789, 235679, 24689, 2569, 34578, 37, 458\}$
941:55	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{26}$	$1/31(14, 13, 24, 26, 27, 27, 38, 40, 40)$	$\{\emptyset, 123459, 12389, 124579, 12789, 13469, 135689, 14679, 156789, 234678, 23567, 2468, 256, 34578, 37, 458\}$
941:57	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{26} + e^{14}$	$1/11(6, 4, 8, 8, 7, 10, 14, 15, 14)$	$\{123459, 123489, 124579, 124789, 134569, 134689, 145679, 146789, 234567, 234678, 2456, 2468, 3457, 3478, 45, 48\}$
941:58	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{16} + e^{24}$	$1/19(6, 13, 16, 12, 13, 19, 22, 25, 25)$	$\{\emptyset, 123589, 1239, 125789, 1279, 13568, 136, 15678, 167, 2356789, 23679, 25689, 269, 3578, 37, 58\}$
941:63	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{16} + e^{35}$	$1/17(8, 9, 11, 10, 14, 17, 21, 19, 25)$	$\{123789, 124579, 134568, 16, 23469, 25689, 357, 478\}$
941:64	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{16} + e^{35}$	$1/227(91, 137, 119, 165, 200, 228, 284, 256, 319)$	$\{\emptyset, 12349, 12589, 135678, 1467, 23679, 2456789, 3458\}$
941:65	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{35}, e^{34} + e^{16}$	$1/40(16, 26, 23, 35, 28, 42, 39, 51, 58)$	$\{123579, 124589, 134678, 16, 23689, 24679, 345, 578\}$
941:66	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{14}, e^{26} + e^{34}$	$1/144(76, 62, 83, 117, 110, 138, 159, 193, 200)$	$\{\emptyset, 12389, 12479, 13689, 14679, 234678, 26, 3478\}$
941:67	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{23}, e^{34} + e^{16}$	$1/11(4, 7, 8, 7, 8, 11, 12, 15, 15)$	$\{\emptyset, 1239, 124789, 13468, 167, 23679, 24689, 3478\}$
941:68	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{35}, e^{16} + e^{34}$	$1/227(91, 135, 141, 176, 170, 226, 232, 311, 317)$	$\{\emptyset, 12389, 12479, 13468, 167, 236789, 2469, 3478\}$
941:69	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{45}, e^{34} + e^{26}$	$2/43(10, 10, 17, 13, 14, 20, 27, 27, 30)$	$\{123589, 124579, 1369, 146789, 234678, 26, 3457, 58\}$
941:70	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{26} + e^{34}$	$1/227(135, 91, 119, 198, 170, 226, 254, 289, 317)$	$\{\emptyset, 12389, 12479, 13569, 1456789, 234567, 2568, 3478\}$
941:71	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{35}, e^{16} + e^{34}$	$2/43(10, 10, 15, 15, 14, 20, 25, 29, 30)$	$\{123579, 123789, 124589, 1249, 134567, 134678, 1568, 16\}$
941:72	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{35}, e^{34} + e^{16}$	$1/11(4, 7, 6, 9, 8, 11, 13, 14, 15)$	$\{\emptyset, 23569, 23689, 2456789, 24679, 3457, 3478, 58\}$
941:73	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{45}, e^{16}$	$1/10(5, 4, 8, 7, 6, 9, 12, 13, 14)$	$\{123589, 124579, 134678, 16, 234569, 256789, 37, 48\}$
941:74	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{15}, e^{16}$	$7/37(2, 3, 4, 3, 5, 5, 6, 7, 7)$	$\{123789, 12489, 134567, 156, 23469, 2679, 358, 4578\}$
941:75	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13} + e^{45}, e^{26}$	$1/144(80, 54, 117, 91, 106, 134, 171, 197, 188)$	$\{\emptyset, 123459, 125789, 13679, 14689, 23568, 24567, 3478\}$
941:76	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{15}, e^{26}$	$1/83(42, 34, 53, 61, 72, 76, 95, 114, 110)$	$\{\emptyset, 123459, 12579, 13689, 146789, 235678, 24568, 347\}$
941:77	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{14}, e^{26} + e^{13}$	$1/71(48, 21, 42, 47, 53, 69, 89, 95, 90)$	$\{123459, 123789, 134569, 136789, 23468, 23567, 348, 357\}$
941:78	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{45}, e^{16} + e^{23}$	$1/43(17, 26, 34, 20, 31, 43, 54, 51, 60)$	$\{124579, 129, 14567, 16, 246789, 25689, 478, 58\}$
941:79	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35} + e^{14}, e^{23} + e^{16}$	$1/8(2, 6, 4, 7, 5, 8, 11, 9, 10)$	$\{123489, 123579, 13468, 13567, 234569, 236789, 345, 378\}$
941:80	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{14}, e^{45} + e^{16}$	$1/37(14, 25, 25, 32, 21, 39, 39, 46, 53)$	$\{123489, 12359, 145678, 167, 2469, 25689, 3457, 378\}$
941:81	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{35}, e^{45} + e^{26}$	$1/297(152, 136, 190, 231, 193, 288, 342, 383, 424)$	$\{\emptyset, 12479, 125789, 14679, 156789, 24568, 26, 458\}$
941:82	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{16} + e^{45}$	$1/23(9, 14, 16, 17, 15, 23, 25, 31, 32)$	$\{\emptyset, 12479, 125789, 145678, 167, 2469, 25689, 458\}$
941:83	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{45} + e^{26}$	$1/257(144, 112, 158, 207, 161, 256, 302, 319, 368)$	$\{\emptyset, 12479, 125789, 134689, 13569, 234567, 23678, 458\}$
941:85	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{16} + e^{45}$	$1/34(14, 20, 21, 21, 27, 34, 42, 41, 48)$	$\{\emptyset, 123579, 124789, 13678, 14567, 23469, 25689, 3458\}$
941:86	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35}, e^{45} + e^{26} + e^{13}$	$1/71(52, 21, 42, 47, 47, 73, 89, 89, 94)$	$\{123489, 123579, 134689, 135679, 23456, 23678, 345, 378\}$
941:87	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{45}, e^{15} + e^{26}$	$1/293(176, 110, 203, 159, 220, 286, 362, 379, 396)$	$\{\emptyset, 12379, 124789, 13679, 146789, 23468, 26, 348\}$
941:89a	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{13} + e^{45}, e^{34} + e^{16}$	$1/64(28, 38, 47, 47, 28, 66, 75, 75, 94)$	$\{123589, 124579, 134678, 16, 23679, 24689, 345, 578\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
941:89b	$0, 0, 0, 0, 0, e^{12}, e^{35} - e^{14}, e^{45} + e^{13}, e^{34} + e^{16}$	$1/64(28, 38, 47, 47, 28, 66, 75, 75, 94)$	$\{123589, 124579, 134678, 16, 23679, 24689, 345, 578\}$
941:90a	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{13} + e^{45}, e^{26} + e^{34}$	$4/41(6, 4, 7, 7, 6, 10, 13, 13, 14)$	$\{\emptyset, 12379, 12489, 13679, 14689, 234678, 26, 3478\}$
941:90b	$0, 0, 0, 0, 0, e^{12}, e^{35} - e^{14}, e^{45} + e^{13}, e^{26} + e^{34}$	$4/41(6, 4, 7, 7, 6, 10, 13, 13, 14)$	$\{\emptyset, 12379, 12489, 13679, 14689, 234678, 26, 3478\}$
941:91	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{45} + e^{23}, e^{16} + e^{34}$	$1/232(92, 144, 151, 177, 118, 236, 269, 295, 328)$	$\{134678, 16, 23679, 24689\}$
941:92	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{26}$	$1/31(12, 15, 25, 25, 30, 27, 37, 37, 42)$	$\{\emptyset, 12349, 12389, 12479, 12789, 13469, 13689, 14679, 16789, 234678, 2367, 2468, 26, 3478, 37, 48\}$
941:93	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16} + e^{25}$	$1/16(6, 10, 13, 13, 12, 16, 19, 19, 22)$	$\{\emptyset, 12349, 12389, 12479, 12789, 1346, 1368, 1467, 1678, 2346789, 23679, 24689, 269, 3478, 37, 48\}$
941:94	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{15}$	$1/37(18, 16, 28, 29, 32, 34, 46, 45, 50)$	$\{\emptyset, 12349, 12389, 12479, 12789, 134689, 1369, 146789, 1679, 23467, 23678, 246, 268, 3478, 37, 48\}$
941:96	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{35} + e^{16}$	$3/38(5, 8, 8, 11, 10, 13, 13, 16, 18)$	$\{\emptyset, 12349, 125789, 13568, 1467, 23679, 245689, 34578\}$
941:97	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{26} + e^{35}$	$1/67(29, 35, 46, 52, 53, 64, 75, 81, 99)$	$\{12389, 124579, 13469, 156789, 2345678, 26, 357, 48\}$
941:98	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{45} + e^{16}$	$1/67(31, 37, 44, 50, 49, 68, 75, 81, 99)$	$\{12359, 124789, 134568, 167, 234679, 25689, 378, 45\}$
941:99	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{26} + e^{45}$	$1/44(22, 21, 31, 30, 34, 43, 53, 52, 64)$	$\{\emptyset, 12349, 125789, 135689, 14679, 2367, 24568, 34578\}$
941:100	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{26} + e^{35} + e^{14}$	$1/26(16, 10, 13, 20, 23, 26, 29, 33, 36)$	$\{12349, 1245789, 13469, 1456789, 234567, 2468, 3457, 48\}$
941:101	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{16} + e^{23} + e^{45}$	$1/37(13, 26, 26, 21, 31, 39, 39, 47, 52)$	$\{12349, 123589, 13456, 1368, 234679, 2356789, 3457, 378\}$
941:102	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{35} + e^{16} + e^{24}$	$1/19(7, 13, 11, 14, 16, 20, 18, 25, 27)$	$\{123479, 124589, 134567, 1468, 23469, 2456789, 345, 478\}$
941:103	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{26} + e^{15}$	$1/227(119, 100, 137, 156, 200, 219, 293, 256, 319)$	$\{\emptyset, 12349, 1289, 13679, 146789, 23678, 2467, 348\}$
941:105	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{23} + e^{16}$	$1/37(13, 22, 26, 31, 27, 35, 39, 53, 48)$	$\{123459, 12389, 13468, 1356, 2345679, 236789, 3478, 357\}$
941:106	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{16} + e^{34}$	$1/67(31, 35, 44, 53, 49, 66, 75, 84, 97)$	$\{12359, 124789, 134568, 167, 236789, 24569, 347, 58\}$
941:107	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{16} + e^{34}$	$1/29(11, 18, 21, 19, 26, 29, 32, 37, 40)$	$\{\emptyset, 12389, 124579, 13468, 1567, 2356789, 2469, 34578\}$
941:108	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{26} + e^{34}$	$1/49(26, 21, 32, 36, 41, 47, 58, 62, 68)$	$\{\emptyset, 12389, 124579, 135689, 14679, 234678, 256, 34578\}$
941:109	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{26} + e^{34}$	$1/59(27, 29, 40, 45, 47, 56, 67, 74, 85)$	$\{\emptyset, 12389, 124579, 13569, 146789, 23467, 2568, 34578\}$
941:110	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{15}, e^{14} + e^{26}$	$1/23(12, 9, 14, 18, 20, 21, 26, 32, 30)$	$\{123459, 124789, 134569, 146789, 23467, 24568, 347, 458\}$
941:111	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{14}, e^{24} + e^{16}$	$1/37(16, 21, 23, 32, 25, 37, 39, 48, 53)$	$\{12359, 1279, 1356, 167, 236789, 25689, 378, 58\}$
941:113	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{45}, e^{26} + e^{14}$	$1/8(4, 3, 7, 6, 4, 7, 11, 10, 10)$	$\{123489, 124579, 134569, 146789, 234678, 2456, 3457, 48\}$
941:114	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{14} + e^{26}$	$1/227(119, 99, 135, 198, 162, 218, 254, 297, 317)$	$\{\emptyset, 12389, 125789, 13569, 1679, 23678, 2568, 357\}$
941:116	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{23}, e^{16} + e^{24}$	$1/227(78, 141, 176, 156, 161, 219, 254, 317, 297)$	$\{\emptyset, 1239, 125789, 13568, 167, 23679, 25689, 3578\}$
941:118	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13} + e^{25}, e^{16}$	$1/63(26, 29, 52, 55, 49, 55, 81, 78, 81)$	$\{\emptyset, 123459, 12789, 1367, 14568, 23689, 245679, 34578\}$
941:119	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{13} + e^{26}$	$1/10(5, 4, 8, 6, 7, 9, 14, 12, 13)$	$\{123489, 123789, 134569, 135679, 234568, 235678, 34, 37\}$
941:121	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{26} + e^{34}$	$1/21(10, 10, 15, 15, 16, 20, 25, 26, 30)$	$\{\emptyset, 13569, 13689, 145679, 146789, 34578, 347, 58\}$
941:122	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{14} + e^{26}$	$1/227(141, 78, 137, 156, 200, 219, 293, 278, 297)$	$\{\emptyset, 123579, 1289, 13679, 15689, 23678, 256, 3578\}$
941:123	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{23} + e^{15}, e^{26} + e^{14}$	$1/8(4, 3, 6, 6, 5, 7, 12, 9, 10)$	$\{123489, 124579, 134569, 146789, 234568, 2467, 34, 4578\}$
941:124	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{35}, e^{26} + e^{14}$	$1/144(83, 57, 88, 114, 100, 140, 171, 188, 197)$	$\{\emptyset, 125789, 1279, 13569, 13689, 23567, 23678, 58\}$
941:125	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{14} + e^{26} + e^{35}$	$2/43(12, 8, 15, 16, 13, 20, 27, 29, 28)$	$\{123489, 124579, 134689, 145679, 234567, 2468, 3457, 48\}$
941:126	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{16} + e^{24} + e^{35}$	$1/227(78, 157, 176, 156, 137, 235, 254, 293, 313)$	$\{\emptyset, 1239, 125789, 13568, 167, 23679, 25689, 3578\}$
941:128	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{45}, e^{16} + e^{34}$	$2/39(10, 8, 15, 13, 12, 18, 23, 25, 28)$	$\{123589, 124579, 134678, 16\}$
941:129	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{45}, e^{26} + e^{34}$	$1/56(32, 22, 43, 33, 42, 54, 65, 75, 76)$	$\{\emptyset, 13679, 14689, 3478\}$
941:131	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{15}, e^{35} + e^{16}$	$7/485(32, 37, 46, 41, 55, 69, 78, 87, 101)$	$\{123789, 134567, 23469, 358\}$
941:132	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{15} + e^{34}, e^{16} + e^{35}$	$1/53(21, 32, 28, 39, 46, 53, 60, 67, 74)$	$\{\emptyset, 12579, 1468, 2456789\}$
941:133	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{45} + e^{13}, e^{26} + e^{35}$	$1/109(59, 47, 82, 70, 71, 106, 129, 141, 153)$	$\{\emptyset, 125789, 13679, 23568\}$
941:134	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15} + e^{34}, e^{26} + e^{35}$	$1/449(246, 187, 269, 328, 351, 433, 515, 597, 620)$	$\{\emptyset, 12579, 13689, 235678\}$
941:135	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15} + e^{34}, e^{26} + e^{35}$	$1/461(233, 216, 305, 288, 360, 449, 521, 593, 665)$	$\{123789, 15679, 26, 358\}$
941:137	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{45} + e^{13}, e^{35} + e^{24} + e^{16}$	$1/25(7, 19, 20, 14, 13, 26, 34, 27, 33)$	$\{123489, 124579, 345, 478\}$
941:138a	$0, 0, 0, 0, 0, e^{12}, e^{15} + e^{34}, e^{14} + e^{35}, e^{13} + e^{26}$	$1/19(12, 6, 12, 13, 13, 18, 25, 25, 24)$	$\{123459, 123789, 134569, 136789, 23468, 23567, 348, 357\}$
941:138b	$0, 0, 0, 0, 0, e^{12}, e^{34} - e^{15}, e^{35} + e^{14}, e^{13} + e^{26}$	$1/19(12, 6, 12, 13, 13, 18, 25, 25, 24)$	$\{123459, 123789, 134569, 136789, 23468, 23567, 348, 357\}$
941:140a	$0, 0, 0, 0, 0, e^{12}, e^{34} + e^{15}, e^{35} + e^{14}, e^{23} + e^{16}$	$(0, 1, 0, 1, 1, 1, 1, 1)$	$\{123489, 123579, 13468, 13567, 234569, 236789, 345, 378\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
941:140b	$0, 0, 0, 0, 0, e^{12}, -e^{15} + e^{34}, e^{14} + e^{35}, e^{16} + e^{23}$	$(0, 1, 0, 1, 1, 1, 1, 1)$	{123489, 123579, 13468, 13567, 234569, 236789, 345, 378}
941:141	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{45} + e^{23}, e^{13} + e^{26}$	$1/217(128, 86, 172, 151, 107, 214, 279, 258, 300)$	{14689, 156789, 24567, 26}
941:143	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{35} + e^{14} + e^{26}$	$1/13(7, 6, 8, 12, 11, 13, 15, 14, 19)$	{0, 1239, 125789, 13689, 15679, 23567, 268, 3578}
941:144	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{26} + e^{15}$	$1/17(7, 8, 13, 14, 16, 15, 20, 21, 23)$	{0, 12349, 12789, 13689, 14679, 2367, 2468, 3478}
941:145	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25} + e^{16}$	$1/22(9, 12, 16, 19, 18, 21, 25, 28, 30)$	{0, 12349, 12789, 1368, 1467, 23679, 24689, 3478}
941:146	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{26} + e^{34}$	$1/63(28, 31, 45, 45, 62, 59, 73, 73, 90)$	{0, 12389, 12479, 13689, 14679, 234678, 26, 3478}
941:147	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{45} + e^{23} + e^{16}$	$1/13(5, 9, 10, 9, 10, 14, 15, 14, 19)$	{0, 12479, 125789, 14567, 1678, 24689, 2569, 458}
941:148	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16} + e^{25} + e^{34}$	$1/22(9, 14, 16, 16, 18, 23, 25, 25, 32)$	{0, 12389, 12479, 1346, 1678, 23679, 24689, 3478}
941:150	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{34} + e^{15}$	$1/29(15, 13, 20, 21, 26, 28, 35, 34, 41)$	{0, 12389, 12479, 1369, 146789, 23467, 268, 3478}
941:151	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{23} + e^{16}$	$1/13(5, 7, 10, 12, 10, 12, 15, 17, 17)$	{0, 124579, 12789, 1467, 15678, 24689, 2569, 458}
941:152	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{26} + e^{14}$	$1/63(28, 27, 49, 54, 53, 55, 77, 81, 82)$	{0, 12389, 12789, 13569, 15679, 235678, 2568, 37}
941:153	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{16} + e^{24}$	$1/38(16, 19, 30, 32, 29, 35, 46, 48, 51)$	{0, 12389, 12789, 13568, 15678, 235679, 2569, 37}
941:155	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{35} + e^{26} + e^{14}$	$1/437(274, 165, 221, 330, 383, 439, 551, 495, 604)$	{12349, 1456789, 2467, 3458}
941:156	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{25}, e^{34} + e^{16}$	$1/41(20, 19, 30, 29, 31, 39, 49, 50, 59)$	{23569, 246789, 347, 58}
941:157	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15} + e^{23}, e^{34} + e^{16}$	$3/97(14, 17, 24, 21, 27, 31, 38, 41, 45)$	{123579, 12489, 134678, 156}
941:158	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{34} + e^{15}, e^{13} + e^{26}$	$1/159(84, 61, 122, 99, 137, 145, 183, 221, 206)$	{123459, 136789, 23568, 347}
941:159	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14} + e^{35}, e^{16} + e^{23}$	$3/7(1, 1, 2, 2, 1, 2, 3, 3, 3)$	{123579, 134678, 234569, 38}
941:162	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{14}, e^{23} + e^{45} + e^{16}$	$3/17(2, 4, 4, 5, 3, 6, 6, 7, 8)$	{123489, 12359, 3457, 378}
941:163	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{35}, e^{25} + e^{34} + e^{16}$	$1/32(12, 22, 17, 29, 24, 34, 29, 41, 46)$	{123579, 124589, 345, 578}
941:164	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{23}, e^{26} + e^{35} + e^{14}$	$2/31(8, 6, 13, 12, 7, 14, 21, 19, 20)$	{123489, 124579, 3457, 48}
941:169	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{25}, e^{16} + e^{45}$	$1/107(50, 54, 77, 81, 73, 104, 131, 127, 154)$	{0, 1367, 14568, 34578}
941:172	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{25} + e^{13}, e^{16} + e^{35} + e^{24}$	$2/31(6, 8, 11, 12, 9, 14, 23, 17, 20)$	{123489, 124579, 134568, 1467}
941:173	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{45} + e^{13}, e^{15} + e^{26}$	$1/113(63, 42, 92, 71, 84, 105, 134, 155, 147)$	{123459, 125789, 23568, 24567}
941:174	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13} + e^{45}, e^{16} + e^{25}$	$1/2(1, 0, 2, 1, 2, 1, 2, 3, 2)$	{123589, 124579, 234569, 256789}
941:175	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15} + e^{34}, e^{16} + e^{25}$	$1/53(23, 28, 37, 32, 46, 51, 60, 69, 74)$	{0, 1368, 14678, 347}
941:177a	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{45} + e^{13}, e^{16} + e^{25} + e^{34}$	$1/8(0, 10, 5, 5, 0, 10, 5, 5, 10)$	{123589, 124579, 345, 578}
941:177b	$0, 0, 0, 0, 0, e^{12}, e^{35} - e^{14}, e^{45} + e^{13}, e^{25} + e^{16} + e^{34}$	$1/8(0, 10, 5, 5, 0, 10, 5, 5, 10)$	{123589, 124579, 345, 578}
941:178a	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{23} + e^{45}, e^{15} + e^{26} + e^{34}$	$29/109(3, 1, 3, 2, 2, 4, 5, 4, 5)$	{123589, 124579, 345, 578}
941:178b	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{35}, e^{23} + e^{45}, e^{15} + e^{26} + e^{34}$	$29/109(3, 1, 3, 2, 2, 4, 5, 4, 5)$	{123589, 124579, 345, 578}
941:179	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{34} + e^{26}$	$1/33(15, 16, 23, 24, 32, 31, 38, 39, 47)$	{0, 13689, 14679, 3478}
941:180	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{35} + e^{24} + e^{16}$	$1/41(17, 25, 26, 34, 33, 42, 43, 51, 59)$	{0, 125789, 13568, 23679}
941:181	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{34} + e^{25} + e^{16}$	$1/32(14, 18, 21, 25, 28, 32, 35, 39, 46)$	{0, 23679, 24689, 3478}
941:182a	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{15} + e^{26}$	$1/40(18, 18, 31, 31, 36, 36, 49, 49, 54)$	{0, 12349, 12789, 13679, 14689, 2368, 2467, 3478}
941:182b	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{13} + e^{24}, e^{26} + e^{15}$	$1/40(18, 18, 31, 31, 36, 36, 49, 49, 54)$	{0, 12349, 12789, 13679, 14689, 2368, 2467, 3478}
941:183	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15} + e^{23}, e^{26} + e^{14}$	$1/33(15, 14, 27, 28, 26, 29, 42, 41, 43)$	{0, 12789, 13689, 2367}
941:184	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{15} + e^{26} + e^{34}$	$1/97(52, 41, 63, 71, 82, 93, 115, 123, 134)$	{124579, 135689, 256, 34578}
941:186	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{24} + e^{35} + e^{16}$	$1/86(36, 49, 62, 72, 59, 85, 98, 108, 121)$	{0, 12389, 13568, 2569}
941:189	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{45} + e^{13}, e^{16} + e^{25} + e^{34}$	$2/7(2, 0, 3, 1, 4, 2, 3, 5, 4)$	{123589, 124579}
941:191	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{15}, e^{45} + e^{23} + e^{16}$	$21/167(3, 5, 6, 4, 7, 8, 9, 10, 11)$	{12349, 3457}
941:192a	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{34} + e^{26} + e^{15}$	$17/72(2, 2, 3, 3, 4, 4, 5, 5, 6)$	{0, 13679, 14689, 3478}
941:192b	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{13} + e^{24}, e^{26} + e^{34} + e^{15}$	$17/72(2, 2, 3, 3, 4, 4, 5, 5, 6)$	{0, 13679, 14689, 3478}
941:193	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{25}, e^{26} + e^{34} + e^{15}$	$5/47(5, 4, 7, 6, 8, 9, 11, 12, 13)$	{123579, 256}
941:214	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{45} + e^{26} + e^{17}$	$1/21(8, 12, 16, 15, 17, 20, 24, 23, 32)$	{0, 12349, 123589, 13469, 135689, 24568, 26, 458}
941:215	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{45} + e^{17}$	$1/20(8, 11, 14, 13, 17, 19, 22, 24, 30)$	{0, 12349, 123589, 134689, 13569, 2456, 268, 458}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
941:216a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{37} + e^{45}$	$1/7(3, 4, 4, 5, 6, 7, 7, 8, 11)$	$\{\emptyset, 12349, 123589, 12479, 125789, 13469, 135689, 14679, 156789, 2345678, 2367, 24568, 26, 34578, 37, 458\}$
941:216b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{45} + e^{26} + e^{37}$	$1/7(3, 4, 4, 5, 6, 7, 7, 8, 11)$	$\{\emptyset, 12349, 123589, 12479, 125789, 13469, 135689, 14679, 156789, 2345678, 2367, 24568, 26, 34578, 37, 458\}$
941:218	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{16} + e^{45} + e^{37}$	$1/61(28, 36, 32, 39, 53, 64, 60, 75, 92)$	$\{\emptyset, 12349, 123589, 12479, 125789, 34578, 37, 458\}$
941:219a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{37} + e^{45} + e^{26}$	$1/81(44, 40, 40, 55, 69, 84, 84, 95, 124)$	$\{\emptyset, 12349, 123589, 12479, 125789, 134689, 13569, 146789, 15679, 234567, 23678, 2456, 268, 34578, 37, 458\}$
941:219b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{37} + e^{45} + e^{26}$	$1/81(44, 40, 40, 55, 69, 84, 84, 95, 124)$	$\{\emptyset, 12349, 123589, 12479, 125789, 134689, 13569, 146789, 15679, 234567, 23678, 2456, 268, 34578, 37, 458\}$
941:221	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{26} + e^{17}$	$1/17(6, 9, 12, 16, 13, 15, 18, 22, 24)$	$\{\emptyset, 123459, 12389, 13469, 135689, 2468, 256, 458\}$
941:222	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{16} + e^{37}$	$1/297(124, 176, 150, 273, 221, 300, 274, 397, 424)$	$\{\emptyset, 123459, 12389, 124579, 12789, 34578, 37, 458\}$
941:223a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{37} + e^{26}$	$1/81(38, 40, 40, 69, 67, 78, 78, 107, 118)$	$\{\emptyset, 123459, 12389, 124579, 12789, 13469, 135689, 14679, 156789, 234678, 23567, 2468, 256, 34578, 37, 458\}$
941:223b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{25} + e^{14}, e^{26} + e^{37}$	$1/81(38, 40, 40, 69, 67, 78, 78, 107, 118)$	$\{\emptyset, 123459, 12389, 124579, 12789, 13469, 135689, 14679, 156789, 234678, 23567, 2468, 256, 34578, 37, 458\}$
941:225	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{23}, e^{17} + e^{26}$	$7/139(7, 11, 15, 13, 13, 18, 22, 26, 29)$	$\{123489, 123589, 134569, 1369, 2456, 26, 48, 58\}$
941:226	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{35}, e^{17} + e^{26}$	$1/14(6, 7, 8, 12, 11, 13, 14, 19, 20)$	$\{\emptyset, 123459, 12389, 134689, 13569, 246, 2568, 458\}$
941:227a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{45}, e^{37} + e^{26}$	$1/5(2, 3, 3, 3, 3, 5, 5, 6, 8)$	$\{123489, 123589, 124579, 1279, 134569, 1369, 146789, 156789, 234678, 235678, 2456, 26, 3457, 37, 48, 58\}$
941:227b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{45} + e^{23}, e^{37} + e^{26}$	$1/5(2, 3, 3, 3, 3, 5, 5, 6, 8)$	$\{123489, 123589, 124579, 1279, 134569, 1369, 146789, 156789, 234678, 235678, 2456, 26, 3457, 37, 48, 58\}$
941:228a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{26} + e^{37}$	$1/7(4, 3, 3, 6, 6, 7, 7, 9, 10)$	$\{\emptyset, 123459, 12389, 12479, 125789, 134689, 13569, 1456789, 1679, 234567, 23678, 246, 2568, 3478, 357, 458\}$
941:228b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{35} + e^{24}, e^{37} + e^{26}$	$1/7(4, 3, 3, 6, 6, 7, 7, 9, 10)$	$\{\emptyset, 123459, 12389, 12479, 125789, 134689, 13569, 1456789, 1679, 234567, 23678, 246, 2568, 3478, 357, 458\}$
941:231a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{37} + e^{14} + e^{26}$	$1/5(3, 2, 2, 4, 3, 5, 5, 7, 7)$	$\{123459, 123489, 124579, 124789, 134569, 134689, 145679, 146789, 234567, 234678, 2456, 2468, 3457, 3478, 45, 48\}$
941:231b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{45}, e^{26} + e^{37} + e^{14}$	$1/5(3, 2, 2, 4, 3, 5, 5, 7, 7)$	$\{123459, 123489, 124579, 124789, 134569, 134689, 145679, 146789, 234567, 234678, 2456, 2468, 3457, 3478, 45, 48\}$
941:232	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{16} + e^{24} + e^{37}$	$1/139(48, 104, 76, 96, 91, 152, 124, 187, 200)$	$\{123459, 123489, 124579, 124789, 3457, 3478, 45, 48\}$
941:237	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{45} + e^{17} + e^{26}$	$1/13(6, 7, 8, 10, 10, 13, 14, 15, 20)$	$\{\emptyset, 12349, 12359, 134689, 135689, 24568, 268, 45\}$
941:238a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{37} + e^{45} + e^{26}$	$5/19(2, 2, 2, 3, 3, 4, 4, 4, 6)$	$\{\emptyset, 12349, 12359, 124789, 125789, 134689, 135689, 14679, 15679, 234567, 2367, 24568, 268, 34578, 378, 45\}$
941:238b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{37} + e^{45} + e^{26}$	$5/19(2, 2, 2, 3, 3, 4, 4, 4, 6)$	$\{\emptyset, 12349, 12359, 124789, 125789, 134689, 135689, 14679, 15679, 234567, 2367, 24568, 268, 34578, 378, 45\}$
941:240a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{37} + e^{15}$	$1/19(8, 10, 10, 15, 20, 18, 18, 23, 28)$	$\{123459, 123589, 124579, 125789, 134569, 135689, 145679, 156789, 2345678, 23567, 24568, 256, 34578, 357, 458, 5\}$
941:240b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{37} + e^{26}$	$1/19(8, 10, 10, 15, 20, 18, 18, 23, 28)$	$\{123459, 123589, 124579, 125789, 134569, 135689, 145679, 156789, 2345678, 23567, 24568, 256, 34578, 357, 458, 5\}$
941:241	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16} + e^{37} + e^{25}$	$1/59(24, 40, 32, 47, 48, 64, 56, 71, 88)$	$\{\emptyset, 12349, 12389, 12479, 12789, 3478, 37, 48\}$
941:243a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{15} + e^{37}$	$1/17(9, 8, 8, 13, 16, 17, 17, 21, 25)$	$\{\emptyset, 12349, 12389, 12479, 12789, 134689, 1369, 146789, 1679, 23467, 23678, 246, 268, 3478, 37, 48\}$
941:243b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{15} + e^{26} + e^{37}$	$1/17(9, 8, 8, 13, 16, 17, 17, 21, 25)$	$\{\emptyset, 12349, 12389, 12479, 12789, 134689, 1369, 146789, 1679, 23467, 23678, 246, 268, 3478, 37, 48\}$
941:244	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{37} + e^{16} + e^{25}$	$1/34(16, 18, 17, 25, 32, 34, 33, 43, 50)$	$\{\emptyset, 12349, 12389, 12479, 12789, 3478, 37, 48\}$
941:246	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{17} + e^{35} + e^{26}$	$1/23(10, 12, 14, 17, 20, 22, 24, 29, 34)$	$\{\emptyset, 12349, 12389, 134689, 1369, 246, 268, 48\}$
941:247	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{45} + e^{17} + e^{26}$	$1/69(27, 38, 49, 57, 46, 65, 76, 84, 103)$	$\{\emptyset, 13469, 135689, 458\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
941:248	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{37} + e^{16} + e^{45}$	$1/59(26, 36, 31, 49, 39, 62, 57, 75, 88)$	$\{\emptyset, 34578, 37, 458\}$
941:249a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{37} + e^{45} + e^{26}$	$1/27(13, 14, 14, 21, 20, 27, 27, 34, 41)$	$\{\emptyset, 13469, 135689, 14679, 156789, 34578, 37, 458\}$
941:249b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{25}, e^{37} + e^{26} + e^{45}$	$1/27(13, 14, 14, 21, 20, 27, 27, 34, 41)$	$\{\emptyset, 13469, 135689, 14679, 156789, 34578, 37, 458\}$
941:251	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{17} + e^{26} + e^{45}$	$1/223(99, 116, 133, 174, 157, 215, 232, 290, 331)$	$\{\emptyset, 134689, 13569, 458\}$
941:252a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{45} + e^{26} + e^{37}$	$1/61(34, 29, 29, 46, 46, 63, 63, 75, 92)$	$\{\emptyset, 12479, 125789, 134689, 13569, 234567, 23678, 458\}$
941:252b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{35}, e^{26} + e^{45} + e^{37}$	$1/61(34, 29, 29, 46, 46, 63, 63, 75, 92)$	$\{\emptyset, 12479, 125789, 134689, 13569, 234567, 23678, 458\}$
941:255	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{17} + e^{45} + e^{26}$	$1/473(209, 256, 303, 350, 371, 465, 512, 559, 721)$	$\{\emptyset, 12349, 135689, 24568\}$
941:258	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{16} + e^{24} + e^{37}$	$1/109(48, 62, 55, 96, 82, 110, 103, 144, 158)$	$\{\emptyset, 12389, 12789, 37\}$
941:259	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{17} + e^{26} + e^{34}$	$1/193(82, 101, 120, 164, 145, 183, 202, 246, 284)$	$\{\emptyset, 12389, 135689, 256\}$
941:260a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{26} + e^{37} + e^{14}$	$1/149(76, 67, 67, 134, 125, 143, 143, 201, 210)$	$\{123459, 124579, 134689, 146789, 23467, 246, 34578, 458\}$
941:260b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{14} + e^{26} + e^{37}$	$1/149(76, 67, 67, 134, 125, 143, 143, 201, 210)$	$\{123459, 124579, 134689, 146789, 23467, 246, 34578, 458\}$
941:262	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{17} + e^{26} + e^{34}$	$1/32(12, 17, 22, 24, 29, 29, 34, 41, 46)$	$\{\emptyset, 12389, 13569, 2568\}$
941:263a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{45}, e^{14} + e^{37} + e^{26}$	$1/2(1, 1, 1, 2, 0, 2, 2, 2, 3)$	$\{123489, 124579, 134569, 146789, 234678, 2456, 3457, 48\}$
941:263b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{45} + e^{23}, e^{37} + e^{14} + e^{26}$	$1/2(1, 1, 1, 2, 0, 2, 2, 2, 3)$	$\{123489, 124579, 134569, 146789, 234678, 2456, 3457, 48\}$
941:264	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{45}, e^{24} + e^{37} + e^{16}$	$2/65(11, 25, 18, 22, 21, 36, 29, 43, 47)$	$\{123489, 124579, 3457, 48\}$
941:269a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{26} + e^{37}$	$3/16(2, 3, 3, 4, 6, 5, 5, 6, 8)$	$\{123589, 124579, 134569, 156789, 2345678, 256, 357, 458\}$
941:269b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{15} + e^{26} + e^{37}$	$3/16(2, 3, 3, 4, 6, 5, 5, 6, 8)$	$\{123589, 124579, 134569, 156789, 2345678, 256, 357, 458\}$
941:270	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25} + e^{37} + e^{16}$	$1/176(72, 118, 95, 141, 144, 190, 167, 213, 262)$	$\{\emptyset, 12349, 12789, 3478\}$
941:274	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{45} + e^{38} + e^{17} + e^{26}$	$5/19(2, 2, 2, 3, 3, 4, 4, 6)$	$\{\emptyset, 12349, 12359, 45\}$
941:279	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{37} + e^{16}$	$1/33(12, 24, 13, 22, 27, 36, 35, 39, 48)$	$\{\emptyset, 123459, 123489, 124579, 124789, 13567, 13678, 156, 168, 2345689, 23469, 2456789, 24679, 3578, 37, 58\}$
941:280	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{37} + e^{26}$	$1/12(6, 6, 5, 8, 9, 12, 13, 15, 18)$	$\{\emptyset, 123459, 123489, 124579, 124789, 134569, 134689, 145679, 146789, 235678, 2367, 2568, 26, 3578, 37, 58\}$
941:283	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{25} + e^{13}, e^{16} + e^{37}$	$1/10(6, 4, 5, 6, 7, 10, 11, 11, 16)$	$\{123489, 124579, 135678, 16, 234569, 246789, 37, 58\}$
941:284	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{16} + e^{37}$	$7/139(7, 15, 8, 13, 16, 22, 21, 23, 29)$	$\{123489, 124579, 13567, 168, 2345689, 24679, 37, 58\}$
941:285	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{25} + e^{13}, e^{16} + e^{47}$	$1/172(89, 82, 120, 70, 127, 171, 190, 209, 260)$	$\{123489, 123789, 1467, 16, 234569, 235679, 4578, 58\}$
941:286	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{47} + e^{16}$	$1/353(143, 230, 212, 152, 299, 373, 364, 442, 516)$	$\{\emptyset, 123459, 123579, 14567, 156, 23469, 23679, 47\}$
941:287	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{16} + e^{25} + e^{37}$	$1/69(27, 48, 28, 46, 54, 75, 74, 81, 102)$	$\{\emptyset, 123489, 124789, 13678, 168, 23469, 24679, 37\}$
941:288	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{35}, e^{37} + e^{26} + e^{15}$	$1/317(208, 128, 117, 230, 256, 336, 347, 373, 464)$	$\{\emptyset, 123489, 12479, 134689, 14679, 23678, 26, 378\}$
941:289	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{26} + e^{35} + e^{47}$	$1/172(84, 85, 120, 67, 134, 169, 187, 218, 254)$	$\{123459, 123579, 134569, 135679, 245678, 2568, 4578, 58\}$
941:299	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{37} + e^{15} + e^{26}$	$1/293(176, 136, 125, 198, 272, 312, 323, 301, 448)$	$\{\emptyset, 12349, 124789, 13469, 146789, 23678, 26, 378\}$
941:300	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{37} + e^{16} + e^{25}$	$1/59(28, 36, 27, 38, 56, 64, 65, 55, 92)$	$\{123489, 12479, 13678, 16, 23469, 246789, 37, 8\}$
941:301	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{26} + e^{15} + e^{47}$	$1/83(46, 40, 48, 39, 80, 86, 87, 94, 126)$	$\{\emptyset, 12349, 12379, 13469, 13679, 2467, 26, 47\}$
941:302	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{47} + e^{16} + e^{25}$	$1/281(127, 176, 174, 128, 254, 303, 302, 301, 430)$	$\{\emptyset, 12349, 12379, 14678, 168, 234689, 236789, 47\}$
941:303	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{47} + e^{13} + e^{26}$	$1/10(6, 4, 8, 3, 7, 10, 11, 13, 14)$	$\{123459, 123489, 123579, 123789, 134569, 134689, 135679, 136789\}$
941:304	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{16} + e^{23} + e^{47}$	$1/139(48, 104, 96, 52, 115, 152, 148, 163, 200)$	$\{123459, 123489, 123579, 123789, 2345689, 23469, 2356789, 23679\}$
941:305	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{37} + e^{26} + e^{15}$	$7/569(59, 31, 34, 53, 62, 90, 87, 93, 121)$	$\{123489, 14679, 268, 37\}$
941:306	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{47} + e^{26} + e^{15}$	$1/53(34, 22, 32, 23, 44, 56, 55, 66, 78)$	$\{\emptyset, 13469, 13679, 47\}$
941:307	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{47} + e^{16} + e^{35}$	$2/47(12, 11, 17, 9, 18, 23, 26, 29, 35)$	$\{234569, 235679, 4578, 58\}$
941:308	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{25} + e^{13}, e^{16} + e^{37} + e^{45}$	$1/29(19, 7, 12, 21, 24, 26, 33, 31, 45)$	$\{124579, 135678, 234569, 58\}$
941:309	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{16} + e^{35} + e^{47}$	$1/129(52, 84, 78, 55, 110, 136, 133, 162, 188)$	$\{123459, 123579, 14567, 156\}$
941:330	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15} + e^{26} + e^{37}$	$3/53(11, 8, 8, 11, 16, 19, 19, 19, 27)$	$\{\emptyset, 12349, 146789, 23678\}$
941:331	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{25} + e^{37} + e^{16}$	$1/224(115, 118, 117, 114, 230, 233, 231, 232, 348)$	$\{124579, 156, 234569, 357\}$
941:332	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{23} + e^{47} + e^{16}$	$1/143(60, 82, 120, 41, 98, 142, 161, 180, 202)$	$\{123489, 123789, 234569, 235679\}$
941:333	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{26} + e^{37} + e^{14}$	$1/65(50, 22, 25, 44, 53, 72, 69, 75, 94)$	$\{123489, 124579, 1345689, 14679\}$
941:334	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{37} + e^{16} + e^{24}$	$1/4(2, 2, 1, 4, 1, 4, 5, 3, 6)$	$\{123489, 124579, 234569, 246789\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
941:397a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{37} + e^{26} + e^{15} + e^{48}$	$1/9(4, 5, 5, 5, 10, 9, 9, 9, 14)$	{123459, 123589, 124579, 125789, 134569, 135689, 145679, 156789, 2345678, 23567, 24568, 256, 34578, 357, 458, 5}
941:397b	$0, 0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{26} + e^{15} + e^{37} + e^{48}$	$1/9(4, 5, 5, 5, 10, 9, 9, 9, 14)$	{123459, 123589, 124579, 125789, 134569, 135689, 145679, 156789, 2345678, 23567, 24568, 256, 34578, 357, 458, 5}
941:401a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{48} + e^{37} + e^{26} + e^{15}$	$5/161(18, 16, 16, 17, 32, 34, 34, 33, 50)$	{ \emptyset , 12349, 12389, 12479, 12789, 3478, 37, 48}
941:401b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{37} + e^{48} + e^{26} + e^{15}$	$5/161(18, 16, 16, 17, 32, 34, 34, 33, 50)$	{ \emptyset , 12349, 12389, 12479, 12789, 3478, 37, 48}
941:403	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{48} + e^{26} + e^{35} + e^{17}$	$5/109(10, 12, 14, 11, 20, 22, 24, 23, 34)$	{ \emptyset , 12349, 12389, 48}
941:439	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{48} + e^{26} + e^{17}$	$1/204(84, 117, 150, 91, 136, 201, 234, 227, 318)$	{ \emptyset , 123459, 123589, 134569, 135689, 2468, 26, 48}
941:440a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{37} + e^{26} + e^{48}$	$1/60(30, 33, 33, 28, 40, 63, 63, 68, 96)$	{ \emptyset , 123459, 123589, 124579, 125789, 134569, 135689, 145679, 156789, 234678, 2367, 2468, 26, 3478, 37, 48}
941:440b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{45}, e^{26} + e^{37} + e^{48}$	$1/60(30, 33, 33, 28, 40, 63, 63, 68, 96)$	{ \emptyset , 123459, 123589, 124579, 125789, 134569, 135689, 145679, 156789, 234678, 2367, 2468, 26, 3478, 37, 48}
941:449a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{58} + e^{14} + e^{26} + e^{37}$	$5/47(6, 4, 4, 8, 3, 10, 10, 11, 14)$	{123459, 123489, 124579, 124789, 134569, 134689, 145679, 146789}
941:449b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{45}, e^{58} + e^{37} + e^{14} + e^{26}$	$5/47(6, 4, 4, 8, 3, 10, 10, 11, 14)$	{123459, 123489, 124579, 124789, 134569, 134689, 145679, 146789}
941:450	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{16} + e^{24} + e^{58} + e^{37}$	$5/164(12, 26, 19, 24, 13, 38, 31, 37, 50)$	{123459, 123489, 124579, 124789}
95:1	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}$	$1/11(6, 6, 7, 7, 12, 13, 13, 13, 13)$	{ \emptyset , 1234, 12389, 12467, 126789, 134579, 13578, 14569, 1568, 234568, 23569, 24578, 2579, 346789, 367, 489}
95:2	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{14} + e^{23}$	$7/12(1, 1, 1, 1, 2, 2, 2, 2)$	{ \emptyset , 1234, 12679, 13589, 145678, 235678, 24589, 34679}
94:6	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}$	$1/6(2, 5, 5, 5, 5, 7, 7, 7)$	{ \emptyset , 12345, 12349, 12358, 12389, 12457, 12479, 12578, 12789, 13456, 13469, 13568, 13689, 14567, 14679, 15678, 16789, 23456789, 234678, 235679, 2367, 245689, 2468, 2569, 26, 345789, 3478, 3579, 37, 4589, 48, 59}
94:7	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}$	$1/13(6, 8, 10, 10, 9, 14, 16, 16, 17)$	{ \emptyset , 12345, 12349, 12358, 12389, 12457, 12479, 12578, 12789, 134569, 1346, 135689, 1368, 145679, 1467, 156789, 1678, 2345678, 2346789, 23567, 23679, 24568, 24689, 256, 269, 345789, 3478, 3579, 37, 4589, 48, 59}
94:8	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}$	$1/11(7, 6, 6, 8, 8, 13, 13, 14, 14)$	{ \emptyset , 12345, 12349, 12358, 12389, 124579, 1247, 125789, 1278, 134568, 134689, 1356, 1369, 1456789, 14678, 15679, 167, 234567, 234679, 235678, 236789, 24569, 246, 25689, 268, 34578, 34789, 357, 379, 4589, 48, 59}
94:9	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14} + e^{25}$	$1/11(6, 6, 7, 9, 9, 12, 13, 13, 15)$	{ \emptyset , 12345, 1239, 124578, 12789, 13468, 135689, 1467, 15679, 234679, 23567, 24689, 2568, 345789, 378, 459}
94:10	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}$	$1/9(4, 6, 6, 7, 8, 10, 10, 11, 12)$	{ \emptyset , 12345, 12358, 12479, 12789, 13469, 13689, 14567, 15678, 234678, 2367, 245689, 2569, 345789, 3579, 48}
94:11	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{23}$	$1/14(7, 8, 10, 10, 11, 15, 17, 18, 18)$	{ \emptyset , 12345, 12358, 12479, 12789, 134689, 1369, 145678, 1567, 23467, 23678, 24569, 25689, 345789, 3579, 48}
94:12	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{45} + e^{23}$	$1/16(8, 11, 11, 10, 12, 19, 19, 18, 22)$	{ \emptyset , 12345, 1238, 12479, 125789, 13469, 135689, 14567, 1678, 2345678, 2367, 24689, 2569, 34789, 3579, 458}
94:13	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{14}$	$1/23(14, 13, 13, 16, 17, 27, 27, 29, 30)$	{ \emptyset , 12345, 12389, 1247, 125789, 134568, 1369, 14678, 15679, 234679, 235678, 24569, 268, 34789, 357, 4589}
94:14	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{34}$	$1/16(8, 10, 11, 10, 13, 18, 19, 20, 21)$	{ \emptyset , 12345, 12389, 12479, 12578, 134568, 1369, 146789, 1567, 23467, 2356789, 24569, 268, 3478, 3579, 4589}
94:15	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{45}$	$1/31(18, 19, 19, 20, 21, 37, 37, 38, 41)$	{ \emptyset , 12345, 12349, 125789, 1278, 135689, 1368, 14567, 14679, 235679, 2367, 24568, 24689, 34578, 34789, 59}
94:16	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{24}, e^{15}$	$1/23(12, 15, 16, 13, 17, 27, 29, 28, 29)$	{ \emptyset , 12345, 12349, 1258, 1289, 13567, 13679, 145678, 146789, 2356789, 23678, 245679, 2467, 34589, 348, 59}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
94:17	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{35} + e^{24}$	1/37(21, 24, 24, 23, 23, 45, 45, 46, 47)	{ \emptyset , 12345, 1239, 12478, 125789, 134689, 13568, 145679, 167, 234567, 23679, 2468, 25689, 34789, 3578, 459}
94:18	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{15} + e^{24}$	1/12(6, 7, 8, 9, 10, 13, 14, 15, 16)	{ \emptyset , 12345, 12789, 13568, 14679, 235679, 2468, 345789}
94:19	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{35}$	1/17(9, 11, 10, 12, 13, 20, 19, 21, 23)	{ \emptyset , 12345, 125789, 13568, 145679, 23679, 2468, 34789}
94:20a	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{24}, e^{15}$	1/15(8, 8, 11, 11, 11, 16, 19, 19, 19)	{ \emptyset , 12345, 12349, 12578, 12789, 13567, 13679, 14568, 14689, 235689, 2368, 245679, 2467, 345789, 3478, 59}
94:20b	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{24} + e^{13}, e^{15}$	1/15(8, 8, 11, 11, 11, 16, 19, 19, 19)	{ \emptyset , 12345, 12349, 12578, 12789, 13567, 13679, 14568, 14689, 235689, 2368, 245679, 2467, 345789, 3478, 59}
94:21	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{23} + e^{14}, e^{13} + e^{25}$	1/24(15, 13, 16, 14, 18, 28, 30, 29, 31)	{ \emptyset , 12345, 1289, 13678, 145679, 23679, 245678, 34589}
94:22a	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{24}, e^{35}$	1/32(19, 19, 20, 20, 22, 38, 39, 39, 42)	{ \emptyset , 12345, 12349, 125789, 1278, 13567, 13679, 145689, 1468, 23568, 23689, 245679, 2467, 34578, 34789, 59}
94:22b	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{13} + e^{24}, e^{35}$	1/32(19, 19, 20, 20, 22, 38, 39, 39, 42)	{ \emptyset , 12345, 12349, 125789, 1278, 13567, 13679, 145689, 1468, 23568, 23689, 245679, 2467, 34578, 34789, 59}
94:23	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{14} + e^{35}$	1/24(14, 14, 14, 17, 17, 28, 28, 31, 31)	{ \emptyset , 12345, 12389, 14678, 15679, 234679, 235678, 4589}
94:24	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{23} + e^{45}$	1/13(7, 8, 9, 9, 8, 15, 16, 16, 17)	{ \emptyset , 12345, 1238, 13469, 135689, 24689, 2569, 458}
94:25	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{24} + e^{35}$	1/22(12, 13, 14, 16, 15, 25, 26, 28, 29)	{ \emptyset , 12345, 12389, 13469, 13568, 2468, 2569, 4589}
94:26a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{45} + e^{23}$	1/19(11, 12, 12, 12, 12, 23, 23, 24, 24)	{ \emptyset , 12345, 1238, 12479, 125789, 134689, 13569, 145678, 167, 234567, 23678, 2469, 25689, 34789, 3579, 458}
94:26b	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} - e^{24}, e^{45} + e^{23}$	1/19(11, 12, 12, 12, 12, 23, 23, 24, 24)	{ \emptyset , 12345, 1238, 12479, 125789, 134689, 13569, 145678, 167, 234567, 23678, 2469, 25689, 34789, 3579, 458}
94:27a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{35}$	1/11(7, 6, 6, 8, 8, 13, 13, 14, 14)	{ \emptyset , 12345, 12389, 12478, 12579, 13469, 13568, 1456789, 167, 234567, 236789, 2468, 2569, 3479, 3578, 4589}
94:27b	$0, 0, 0, 0, 0, e^{12}, e^{13}, -e^{25} + e^{34}, e^{24} + e^{35}$	1/11(7, 6, 6, 8, 8, 13, 13, 14, 14)	{ \emptyset , 12345, 12389, 12478, 12579, 13469, 13568, 1456789, 167, 234567, 236789, 2468, 2569, 3479, 3578, 4589}
94:28	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{25} + e^{14}$	1/17(10, 10, 11, 11, 11, 20, 22, 21, 21)	{ \emptyset , 12345, 1289, 13468, 1569, 23469, 2568, 34589}
94:29	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{13} + e^{45}$	1/38(23, 24, 24, 22, 25, 47, 46, 48, 47)	{ \emptyset , 12345, 124789, 13678, 1569, 23469, 245678, 35789}
94:30	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{23}, e^{35} + e^{14}$	1/13(7, 9, 7, 9, 9, 16, 16, 16, 16)	{ \emptyset , 12345, 12478, 136789, 1569, 23469, 2456789, 3578}
94:31a	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{34} + e^{15}$	1/9(5, 5, 6, 6, 7, 10, 11, 11, 12)	{ \emptyset , 12345, 12578, 13679, 14689, 235689, 245679, 3478}
94:31b	$0, 0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{13} + e^{24}, e^{34} + e^{15}$	1/9(5, 5, 6, 6, 7, 10, 11, 11, 12)	{ \emptyset , 12345, 12578, 13679, 14689, 235689, 245679, 3478}
94:32a	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{34} + e^{12}, e^{15}$	1/33(20, 20, 20, 20, 23, 40, 40, 40, 43)	{ \emptyset , 12345, 12349, 12567, 12679, 13568, 13689, 14578, 14789, 235789, 2378, 245689, 2468, 345679, 3467, 59}
94:32b	$0, 0, 0, 0, 0, e^{23} + e^{14}, e^{24} - e^{13}, e^{34} + e^{12}, e^{15}$	1/33(20, 20, 20, 20, 23, 40, 40, 40, 43)	{ \emptyset , 12345, 12349, 12567, 12679, 13568, 13689, 14578, 14789, 235789, 2378, 245689, 2468, 345679, 3467, 59}
94:33	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15} + e^{23}, e^{14} + e^{25}$	1/15(8, 8, 11, 11, 11, 16, 19, 19, 19)	{ \emptyset , 12345, 12789, 345789}
94:34	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15} + e^{23}, e^{35} + e^{14}$	1/27(16, 15, 18, 19, 17, 31, 34, 33, 35)	{ \emptyset , 12345, 13689, 245689}
94:35a	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{15} + e^{34}, e^{45} + e^{13}$	1/39(24, 23, 25, 24, 25, 47, 48, 49, 49)	{ \emptyset , 12345, 12579, 13678, 14689, 235689, 245678, 3479}
94:35b	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, -e^{15} + e^{34}, e^{13} + e^{45}$	1/39(24, 23, 25, 24, 25, 47, 48, 49, 49)	{ \emptyset , 12345, 12579, 13678, 14689, 235689, 245678, 3479}
94:36	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14} + e^{35}, e^{23} + e^{45}$	1/41(25, 25, 26, 26, 25, 50, 51, 51, 51)	{ \emptyset , 12345, 125789, 34789}
94:37	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{34} + e^{15}, e^{45} + e^{23}$	1/32(18, 20, 21, 19, 22, 38, 39, 40, 41)	{ \emptyset , 12345, 12579, 3479}
94:38a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{34} + e^{12}, e^{15}, e^{45} + e^{23}$	1/40(24, 25, 25, 24, 26, 49, 49, 50, 50)	{ \emptyset , 12345, 12569, 13579, 14567, 2367, 2479, 3469}
94:38b	$0, 0, 0, 0, 0, e^{24} - e^{13}, e^{12} + e^{34}, e^{15}, e^{23} + e^{45}$	1/40(24, 25, 25, 24, 26, 49, 49, 50, 50)	{ \emptyset , 12345, 12569, 13579, 14567, 2367, 2479, 3469}
94:39a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{34} + e^{12}, e^{23} + e^{15}, e^{25} + e^{14}$	13/21(1, 1, 1, 1, 1, 2, 2, 2, 2)	{ \emptyset , 12345, 12689, 345689}
94:39b	$0, 0, 0, 0, 0, -e^{13} + e^{24}, e^{34} + e^{12}, e^{15} + e^{23}, e^{25} + e^{14}$	13/21(1, 1, 1, 1, 1, 2, 2, 2, 2)	{ \emptyset , 12345, 12689, 345689}
94:40	$0, 0, 0, 0, 0, e^{34} + e^{12}, e^{15} + e^{23}, e^{14} + e^{25}, e^{45} + e^{13}$	13/21(1, 1, 1, 1, 1, 2, 2, 2, 2)	{ \emptyset , 12345}
9321:4	$0, 0, 0, 0, 0, 0, e^{12}, e^{17}, e^{18} + e^{34} + e^{56}$	1/39(11, 27, 30, 30, 30, 30, 38, 49, 60)	{ \emptyset , 1234568, 12348, 12568, 128, 13579, 13679, 14579, 14679, 235789, 236789, 245789, 246789, 34, 3456, 56}

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
9321:8	$0, 0, 0, 0, 0, 0, e^{12}, e^{17}, e^{56} + e^{34} + e^{27} + e^{18}$	$5/32(2, 4, 5, 5, 5, 6, 8, 10)$	$\{0, 13579, 13679, 14579, 14679, 34, 3456, 56\}$
932:10	$0, 0, 0, 0, 0, 0, e^{12}, e^{17}, e^{56} + e^{34} + e^{27}$	$1/39(14, 23, 30, 30, 30, 30, 37, 51, 60)$	$\{0, 123589, 123689, 124589, 124689, 13579, 13679, 14579, 14679, 2345678, 23478, 25678, 278, 34, 3456, 56\}$
932:11	$0, 0, 0, 0, 0, 0, e^{12}, e^{34} + e^{17}, e^{27} + e^{56}$	$8/33(2, 2, 3, 3, 3, 3, 4, 6, 6)$	$\{0, 123589, 123689, 124589, 124689, 134579, 134679, 1579, 1679, 235678, 2378, 245678, 2478, 34, 3456, 56\}$
932:13	$0, 0, 0, 0, 0, 0, e^{12}, e^{17} + e^{34}, e^{27} + e^{35} + e^{46}$	$1/48(20, 26, 33, 33, 39, 39, 46, 66, 72)$	$\{0, 123689, 124589, 13479, 15679, 23578, 24678, 3456\}$
932:16	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{27}, e^{56} + e^{17} + e^{34}$	$1/293(169, 110, 220, 228, 224, 224, 279, 389, 448)$	$\{0, 124589, 124689, 15678, 178, 24579, 24679, 56\}$
932:17	$0, 0, 0, 0, 0, 0, e^{12}, e^{17} + e^{34}, e^{27} + e^{13} + e^{56}$	$4/29(4, 3, 6, 5, 5, 5, 7, 11, 10)$	$\{123589, 123689, 134579, 134679, 235678, 2378, 34, 3456\}$
932:18	$0, 0, 0, 0, 0, 0, e^{12}, e^{17} + e^{34}, e^{15} + e^{27} + e^{36}$	$1/81(37, 39, 49, 64, 78, 66, 76, 113, 115)$	$\{0, 12389, 124689, 13479, 1679, 23678, 2478, 346\}$
932:19a	$0, 0, 0, 0, 0, 0, e^{12}, e^{35} + e^{46} + e^{17}, e^{34} + e^{56} + e^{27}$	$8/33(2, 2, 3, 3, 3, 3, 4, 6, 6)$	$\{0, 123689, 124589, 13579, 14679, 23478, 25678, 3456\}$
932:19b	$0, 0, 0, 0, 0, 0, e^{12}, e^{46} - e^{35} + e^{17}, e^{56} + e^{34} + e^{27}$	$8/33(2, 2, 3, 3, 3, 3, 4, 6, 6)$	$\{0, 123689, 124589, 13579, 14679, 23478, 25678, 3456\}$
932:20	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{27}, e^{24} + e^{17} + e^{56}$	$1/227(111, 100, 200, 222, 161, 161, 211, 311, 322)$	$\{0, 12589, 12689, 15678, 178, 2579, 2679, 56\}$
932:22	$0, 0, 0, 0, 0, 0, e^{12}, e^{45} + e^{27} + e^{13}, e^{56} + e^{34} + e^{17}$	$1/163(89, 67, 134, 111, 112, 133, 156, 223, 245)$	$\{123589, 13478, 23679, 3456\}$
932:23a	$0, 0, 0, 0, 0, 0, e^{12}, e^{23} + e^{17} + e^{45}, e^{13} + e^{27} + e^{46}$	$1/51(24, 24, 48, 31, 41, 41, 48, 72, 72)$	$\{0, 12489, 125689, 14579, 1679, 24678, 2578, 456\}$
932:23b	$0, 0, 0, 0, 0, 0, e^{12}, -e^{17} + e^{45} + e^{23}, e^{27} + e^{46} + e^{13}$	$1/51(24, 24, 48, 31, 41, 41, 48, 72, 72)$	$\{0, 12489, 125689, 14579, 1679, 24678, 2578, 456\}$
932:24	$0, 0, 0, 0, 0, 0, e^{12}, e^{17} + e^{35} + e^{24}, e^{27} + e^{46} + e^{13}$	$8/17(1, 1, 2, 2, 1, 1, 2, 3, 3)$	$\{123489, 134579, 234678, 3456\}$
931:22	$0, 0, 0, 0, 0, 0, e^{12}, e^{35} + e^{46}, e^{34} + e^{17}$	$1/39(14, 26, 27, 27, 30, 30, 40, 57, 54)$	$\{0, 12359, 123689, 124589, 12469, 134567, 13478, 15678, 17, 23579, 236789, 245789, 24679, 3456, 348, 568\}$
931:30	$0, 0, 0, 0, 0, 0, e^{12}, e^{34}, e^{46} + e^{35} + e^{17}$	$1/24(10, 16, 15, 15, 21, 21, 26, 30, 36)$	$\{0, 12349, 123689, 124589, 12569, 134567, 13578, 14678, 17, 23479, 236789, 245789, 25679, 3456, 358, 468\}$
931:31	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{36} + e^{17}$	$1/11(5, 7, 9, 7, 7, 8, 12, 14, 17)$	$\{123489, 123589, 124569, 1269, 134678, 135678, 1457, 17, 234579, 2379, 246789, 256789, 3456, 36, 48, 58\}$
931:32	$0, 0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{36} + e^{17}$	$1/19(7, 13, 11, 18, 14, 16, 20, 25, 27)$	$\{0, 123459, 12389, 12469, 125689, 134567, 13678, 147, 1578, 234789, 23579, 2456789, 2679, 3468, 356, 458\}$
931:33	$0, 0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{27} + e^{36}$	$2/47(15, 10, 17, 16, 16, 18, 25, 32, 35)$	$\{0, 123459, 1239, 124689, 125689, 134579, 1379, 146789, 156789, 234678, 235678, 2457, 27, 3468, 3568, 45\}$
931:34	$0, 0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{36} + e^{27}$	$1/18(10, 8, 11, 15, 14, 15, 18, 25, 26)$	$\{0, 123459, 12389, 12469, 125689, 134579, 13789, 14679, 156789, 234678, 23567, 24578, 27, 3468, 356, 458\}$
931:35	$0, 0, 0, 0, 0, 0, e^{12}, e^{56} + e^{13} + e^{24}, e^{17}$	$1/41(16, 23, 42, 35, 29, 29, 39, 58, 55)$	$\{123589, 123689, 124569, 1249, 134578, 134678, 1567, 17, 2345679, 23479, 25789, 26789, 3, 356, 458, 468\}$
931:36	$0, 0, 0, 0, 0, 0, e^{12}, e^{56} + e^{34}, e^{27} + e^{13}$	$1/47(30, 17, 34, 36, 35, 35, 47, 70, 64)$	$\{0, 124589, 124689, 12569, 129, 145789, 146789, 15679, 179, 24578, 24678, 2567, 27, 458, 468, 56\}$
931:37a	$0, 0, 0, 0, 0, 0, e^{12}, e^{34} + e^{56}, e^{35} + e^{46} + e^{17}$	$1/21(8, 14, 15, 15, 15, 15, 22, 30, 30)$	$\{0, 12349, 123689, 124589, 12569, 134567, 13578, 14678, 17, 23479, 236789, 245789, 25679, 3456, 358, 468\}$
931:37b	$0, 0, 0, 0, 0, 0, e^{12}, e^{56} - e^{34}, e^{17} + e^{46} + e^{35}$	$1/21(8, 14, 15, 15, 15, 15, 22, 30, 30)$	$\{0, 12349, 123689, 124589, 12569, 134567, 13578, 14678, 17, 23479, 236789, 245789, 25679, 3456, 358, 468\}$
931:42	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{17} + e^{34} + e^{56}$	$1/31(13, 22, 22, 26, 24, 24, 35, 35, 48)$	$\{0, 12359, 12369, 124589, 124689, 134567, 1347, 15678, 178, 235789, 236789, 24579, 24679, 34568, 348, 56\}$
931:43	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{56} + e^{34} + e^{27}$	$1/68(36, 35, 46, 60, 53, 53, 71, 82, 106)$	$\{0, 12359, 12369, 124589, 124689, 13579, 13679, 145789, 146789, 2345678, 23478, 2567, 27, 34568, 348, 56\}$
931:44	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{56} + e^{17}$	$1/68(31, 38, 60, 53, 50, 50, 69, 91, 100)$	$\{0, 123459, 123469, 12589, 12689, 13567, 137, 145678, 1478, 235789, 236789, 24579, 24679, 34568, 348, 56\}$
931:45	$0, 0, 0, 0, 0, 0, e^{12}, e^{34}, e^{27} + e^{56} + e^{13}$	$1/11(8, 4, 8, 7, 8, 8, 12, 15, 16)$	$\{123459, 123469, 123589, 123689, 134579, 134679, 135789, 136789, 234567, 2347, 235678, 2378, 34, 3456, 3568, 38\}$
931:46	$0, 0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{27} + e^{36}$	$1/27(16, 12, 16, 19, 24, 24, 28, 35, 40)$	$\{0, 12349, 12389, 124689, 1269, 13479, 13789, 146789, 1679, 23467, 23678, 2478, 27, 346, 368, 48\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
931:47	$0, 0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{16} + e^{27}$	$1/27(14, 12, 24, 19, 19, 24, 26, 38, 38)$	$\{\emptyset, 123459, 1239, 12489, 12589, 134579, 1379, 14789, 15789, 23478, 23578, 2457, 27, 348, 358, 45\}$
931:48	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{17} + e^{26}$	$1/19(8, 11, 18, 13, 13, 16, 19, 26, 27)$	$\{\emptyset, 123459, 1239, 12489, 12589, 13457, 137, 1478, 1578, 234789, 235789, 24579, 279, 348, 358, 45\}$
931:51	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{17} + e^{56} + e^{34}$	$1/83(34, 56, 71, 53, 52, 72, 90, 105, 124)$	$\{\emptyset, 12369, 124689, 134567, 15678, 235789, 24579, 348\}$
931:52	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{56} + e^{34} + e^{27}$	$1/297(170, 136, 231, 211, 190, 252, 306, 401, 442)$	$\{\emptyset, 12369, 124689, 13679, 146789, 23478, 27, 348\}$
931:53	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13} + e^{56}, e^{34} + e^{17}$	$2/43(10, 13, 18, 15, 14, 14, 23, 28, 33)$	$\{123589, 123689, 124569, 1249, 134578, 134678, 1567, 17\}$
931:54	$0, 0, 0, 0, 0, 0, e^{12}, e^{46} + e^{13} + e^{25}, e^{17} + e^{34}$	$1/17(8, 9, 15, 10, 14, 13, 17, 23, 25)$	$\{123689, 124569, 134578, 17, 23579, 24789, 346, 568\}$
931:55	$0, 0, 0, 0, 0, 0, e^{12}, e^{15} + e^{46} + e^{23}, e^{17} + e^{34}$	$1/227(91, 137, 176, 143, 222, 170, 228, 313, 319)$	$\{\emptyset, 12359, 12489, 13478, 157, 2379, 245789, 3458\}$
931:56	$0, 0, 0, 0, 0, 0, e^{12}, e^{34} + e^{56}, e^{27} + e^{45} + e^{13}$	$1/293(190, 110, 220, 207, 203, 224, 300, 427, 410)$	$\{\emptyset, 124689, 12569, 146789, 15679, 24578, 27, 458\}$
931:58	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{17} + e^{24} + e^{56}$	$1/37(16, 24, 29, 32, 28, 28, 40, 45, 56)$	$\{\emptyset, 12359, 12369, 12589, 12689, 13567, 137, 15678, 178, 235789, 236789, 2579, 2679, 3568, 38, 56\}$
931:61	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{56} + e^{34} + e^{17}$	$1/21(10, 12, 17, 15, 16, 16, 22, 27, 32)$	$\{\emptyset, 235789, 236789, 24579, 24679, 34568, 348, 56\}$
931:62	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{46} + e^{35} + e^{17}$	$1/59(29, 33, 44, 40, 47, 51, 62, 73, 91)$	$\{\emptyset, 12349, 125689, 1357, 14678, 236789, 24579, 34568\}$
931:63	$0, 0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{27} + e^{36} + e^{14}$	$2/43(15, 8, 15, 16, 14, 16, 23, 30, 31)$	$\{123459, 124689, 134579, 146789, 234678, 2457, 3468, 45\}$
931:64	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{16} + e^{27} + e^{34}$	$1/11(6, 5, 9, 7, 8, 10, 11, 15, 16)$	$\{\emptyset, 1239, 12489, 1379, 14789, 23478, 27, 348\}$
931:65	$0, 0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{23} + e^{17} + e^{46}$	$1/227(99, 137, 198, 135, 162, 200, 236, 297, 335)$	$\{\emptyset, 12489, 125689, 14678, 1578, 24579, 2679, 456\}$
931:66	$0, 0, 0, 0, 0, 0, e^{12}, e^{45} + e^{13}, e^{17} + e^{36} + e^{24}$	$1/8(3, 6, 7, 6, 4, 5, 9, 10, 12)$	$\{123489, 124569, 134678, 1457, 234579, 246789, 3456, 48\}$
931:67	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{17} + e^{26} + e^{34}$	$1/227(100, 135, 198, 137, 161, 200, 235, 298, 335)$	$\{\emptyset, 1239, 12489, 13457, 1578, 235789, 24579, 348\}$
931:68	$0, 0, 0, 0, 0, 0, e^{12}, e^{34} + e^{15}, e^{46} + e^{27} + e^{13}$	$1/17(10, 7, 14, 10, 14, 14, 17, 24, 24)$	$\{123459, 123689, 134579, 136789, 23467, 23578, 346, 358\}$
931:70	$0, 0, 0, 0, 0, 0, e^{12}, e^{56} + e^{14} + e^{23}, e^{13} + e^{27}$	$1/26(13, 12, 24, 23, 18, 18, 25, 36, 37)$	$\{124569, 1249, 15789, 16789, 2567, 27, 458, 468\}$
931:71	$0, 0, 0, 0, 0, 0, e^{12}, e^{36} + e^{25} + e^{14}, e^{27} + e^{13}$	$1/19(11, 7, 14, 16, 20, 13, 18, 27, 25)$	$\{123469, 123589, 1345679, 13789, 234578, 2367, 348, 356\}$
931:72	$0, 0, 0, 0, 0, 0, e^{12}, e^{46} + e^{13} + e^{25}, e^{17} + e^{56} + e^{34}$	$1/461(216, 257, 401, 288, 360, 329, 473, 617, 689)$	$\{123689, 17, 23579, 568\}$
931:73	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{36} + e^{15} + e^{27}$	$1/29(17, 13, 20, 24, 26, 23, 30, 37, 43)$	$\{\emptyset, 12349, 12689, 1379, 146789, 23678, 247, 3468\}$
931:74	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{17} + e^{23} + e^{56}$	$1/67(30, 38, 60, 52, 49, 49, 68, 90, 98)$	$\{123459, 123469, 13567, 137, 235789, 236789, 34568, 348\}$
931:77	$0, 0, 0, 0, 0, 0, e^{12}, e^{14} + e^{25} + e^{36}, e^{13} + e^{45} + e^{27}$	$2/31(11, 6, 12, 9, 14, 8, 17, 20, 23)$	$\{123469, 123589, 234578, 2367\}$
931:79	$0, 0, 0, 0, 0, 0, e^{12}, e^{16} + e^{24} + e^{35}, e^{13} + e^{27} + e^{45}$	$1/14(8, 6, 12, 13, 7, 11, 14, 19, 20)$	$\{123489, 123569, 345, 368\}$
931:89a	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{38} + e^{27} + e^{56} + e^{14}$	$5/19(2, 2, 2, 4, 3, 3, 4, 4, 6)$	$\{123459, 123469, 124589, 124689, 134579, 134679, 145789, 146789, 2345678, 23478, 24567, 247, 34568, 348, 4, 456\}$
931:89b	$0, 0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{56} + e^{27} + e^{38} + e^{14}$	$5/19(2, 2, 2, 4, 3, 3, 4, 4, 6)$	$\{123459, 123469, 124589, 124689, 134579, 134679, 145789, 146789, 2345678, 23478, 24567, 247, 34568, 348, 4, 456\}$
931:90	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{38} + e^{17} + e^{24} + e^{56}$	$5/44(4, 6, 5, 8, 7, 7, 10, 9, 14)$	$\{\emptyset, 12359, 12369, 12589, 12689, 3568, 38, 56\}$
931:96	$0, 0, 0, 0, 0, 0, e^{12}, e^{34}, e^{17} + e^{56} + e^{38}$	$1/15(7, 10, 7, 10, 12, 12, 17, 17, 24)$	$\{\emptyset, 123459, 123469, 124589, 124689, 135678, 1378, 1567, 17, 234579, 234679, 245789, 246789, 3568, 38, 56\}$
931:102	$0, 0, 0, 0, 0, 0, e^{12}, e^{34}, e^{48} + e^{56} + e^{27} + e^{13}$	$5/13(2, 1, 2, 1, 2, 2, 3, 4)$	$\{123459, 123469, 123589, 123689, 134579, 134679, 135789, 136789\}$
931:103	$0, 0, 0, 0, 0, 0, e^{12}, e^{34}, e^{36} + e^{48} + e^{15} + e^{27}$	$5/32(4, 3, 4, 3, 6, 6, 7, 10)$	$\{\emptyset, 12349, 12389, 13479, 13789, 2478, 27, 48\}$
93:22	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{56}$	$1/13(6, 10, 10, 12, 9, 9, 16, 16, 18)$	$\{\emptyset, 1234, 123456, 12359, 12369, 124568, 1248, 12589, 12689, 134567, 1347, 13579, 13679, 145678, 1478, 15789, 16789, 2345789, 2346789, 235678, 2378, 24579, 24679, 2567, 27, 34589, 34689, 3568, 38, 459, 469, 56\}$
93:23	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{56} + e^{24}$	$1/11(6, 7, 8, 9, 8, 8, 13, 14, 16)$	$\{\emptyset, 1234, 123456, 12359, 12369, 124568, 1248, 12589, 12689, 134579, 134679, 13567, 137, 145789, 146789, 15678, 178, 2345678, 23478, 235789, 236789, 24567, 247, 2579, 2679, 34589, 34689, 3568, 38, 459, 469, 56\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
93:26	$0, 0, 0, 0, 0, 0, e^{12}, e^{34}, e^{15} + e^{36}$	$1/11(6, 8, 6, 8, 9, 9, 14, 14, 15)$	$\{\emptyset, 123456, 12349, 123568, 12389, 12458, 124689, 125, 1269, 134567, 13479, 135678, 13789, 14578, 146789, 157, 1679, 234579, 23467, 235789, 23678, 2456789, 2478, 25679, 27, 3459, 346, 3589, 368, 45689, 48, 569\}$
93:27	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23} + e^{56}$	$1/14(7, 10, 10, 13, 10, 10, 17, 17, 20)$	$\{\emptyset, 1234, 123456, 12589, 12689, 13579, 13679, 145678, 1478, 235678, 2378, 24579, 24679, 34589, 34689, 56\}$
93:28	$0, 0, 0, 0, 0, 0, e^{12}, e^{13}, e^{36} + e^{25} + e^{14}$	$1/11(6, 7, 7, 10, 9, 9, 13, 13, 16)$	$\{\emptyset, 123456, 1239, 12458, 12689, 13467, 13579, 1478, 156789, 234789, 235678, 24679, 257, 34589, 368, 4569\}$
93:29	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{26} + e^{15}$	$3/11(2, 2, 3, 3, 3, 3, 4, 5, 5)$	$\{\emptyset, 123456, 12349, 12568, 1289, 1357, 13679, 14578, 146789, 235789, 23678, 24579, 2467, 345689, 348, 569\}$
93:30	$0, 0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{56}$	$1/31(18, 19, 24, 25, 21, 21, 37, 43, 42)$	$\{\emptyset, 1234, 123456, 12589, 12689, 135678, 1378, 14579, 14679, 23579, 23679, 245678, 2478, 34589, 34689, 56\}$
93:31	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{36} + e^{15}$	$1/23(14, 13, 16, 17, 19, 17, 27, 30, 33)$	$\{\emptyset, 123456, 12349, 1258, 12689, 13567, 1379, 14578, 146789, 235789, 23678, 245679, 247, 34589, 3468, 569\}$
93:32	$0, 0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15} + e^{36}$	$1/16(8, 11, 10, 13, 14, 12, 19, 21, 22)$	$\{\emptyset, 123456, 12349, 1258, 12689, 135678, 13789, 1457, 14679, 23579, 2367, 2456789, 2478, 34589, 3468, 569\}$
93:34	$0, 0, 0, 0, 0, 0, e^{12}, e^{34}, e^{25} + e^{46} + e^{13}$	$1/23(16, 13, 16, 13, 19, 19, 29, 29, 32)$	$\{\emptyset, 123456, 12358, 12489, 1269, 13467, 1378, 145789, 15679, 23479, 236789, 245678, 257, 3459, 35689, 468\}$
93:35	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{56} + e^{34}$	$1/31(19, 19, 22, 22, 22, 22, 38, 41, 44)$	$\{\emptyset, 1234, 123456, 12568, 128, 13579, 13679, 145789, 146789, 235789, 236789, 24579, 24679, 34568, 348, 56\}$
93:36	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{35} + e^{46}$	$1/37(23, 23, 24, 24, 29, 29, 46, 47, 53)$	$\{\emptyset, 123456, 12349, 125689, 128, 1357, 13679, 145789, 14678, 23578, 236789, 24579, 2467, 34568, 3489, 569\}$
93:39	$0, 0, 0, 0, 0, 0, e^{12}, e^{34} + e^{15}, e^{13} + e^{46}$	$1/23(12, 17, 18, 13, 19, 17, 29, 31, 30)$	$\{\emptyset, 123456, 1238, 12489, 12569, 134567, 1378, 14789, 15679, 23479, 2356789, 245678, 27, 349, 35689, 4568\}$
93:40	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{23} + e^{46}$	$1/37(23, 23, 27, 21, 29, 29, 46, 50, 50)$	$\{\emptyset, 123, 123456, 12489, 125689, 134579, 13679, 14678, 1578, 234678, 23578, 24579, 2679, 3489, 35689, 456\}$
93:42	$0, 0, 0, 0, 0, 0, e^{12}, e^{15} + e^{34}, e^{46} + e^{23}$	$1/37(21, 24, 27, 23, 29, 28, 45, 50, 51)$	$\{\emptyset, 123456, 1238, 12489, 12569, 134579, 136789, 14678, 157, 23467, 23578, 245789, 2679, 349, 35689, 4568\}$
93:43	$0, 0, 0, 0, 0, 0, e^{34} + e^{12}, e^{15}, e^{46} + e^{23}$	$1/31(18, 22, 21, 19, 22, 24, 40, 40, 43)$	$\{\emptyset, 123456, 123468, 12569, 12689, 135679, 136789, 14567, 14678, 23578, 237, 245789, 2479, 34589, 349, 58\}$
93:44a	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{56} + e^{14} + e^{23}$	$1/32(19, 19, 25, 25, 22, 22, 38, 44, 44)$	$\{\emptyset, 1234, 123456, 12589, 12689, 13579, 13679, 145678, 1478, 235678, 2378, 24579, 24679, 34589, 34689, 56\}$
93:44b	$0, 0, 0, 0, 0, 0, e^{12}, e^{24} - e^{13}, e^{56} + e^{23} + e^{14}$	$1/32(19, 19, 25, 25, 22, 22, 38, 44, 44)$	$\{\emptyset, 1234, 123456, 12589, 12689, 13579, 13679, 145678, 1478, 235678, 2378, 24579, 24679, 34589, 34689, 56\}$
93:45	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15} + e^{46} + e^{23}$	$1/17(9, 11, 13, 11, 15, 13, 20, 22, 24)$	$\{\emptyset, 123456, 12689, 13679, 145678, 2378, 24579, 34589\}$
93:46	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{26} + e^{34} + e^{15}$	$1/7(4, 4, 5, 5, 6, 6, 8, 9, 10)$	$\{\emptyset, 123456, 12568, 13679, 146789, 235789, 24579, 348\}$
93:48a	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{34} + e^{12}, e^{26} + e^{15}$	$3/19(4, 4, 4, 4, 5, 5, 8, 8, 9)$	$\{\emptyset, 123456, 12349, 12567, 1279, 1358, 13689, 14578, 146789, 235789, 23678, 24589, 2468, 345679, 347, 569\}$
93:48b	$0, 0, 0, 0, 0, 0, -e^{13} + e^{24}, e^{34} + e^{12}, e^{26} + e^{15}$	$3/19(4, 4, 4, 4, 5, 5, 8, 8, 9)$	$\{\emptyset, 123456, 12349, 12567, 1279, 1358, 13689, 14578, 146789, 235789, 23678, 24589, 2468, 345679, 347, 569\}$
93:49a	$0, 0, 0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{15} + e^{26}$	$1/11(6, 6, 8, 8, 9, 9, 14, 14, 15)$	$\{\emptyset, 123456, 12349, 125678, 12789, 1357, 13679, 1458, 14689, 23589, 2368, 24579, 2467, 3456789, 3478, 569\}$
93:49b	$0, 0, 0, 0, 0, 0, e^{23} - e^{14}, e^{24} + e^{13}, e^{15} + e^{26}$	$1/11(6, 6, 8, 8, 9, 9, 14, 14, 15)$	$\{\emptyset, 123456, 12349, 125678, 12789, 1357, 13679, 1458, 14689, 23589, 2368, 24579, 2467, 3456789, 3478, 569\}$
93:51	$0, 0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{25}, e^{46} + e^{12}$	$1/63(44, 38, 43, 37, 49, 45, 81, 87, 82)$	$\{\emptyset, 123456, 1278, 13679, 14589, 23689, 24579, 345678\}$
93:52	$0, 0, 0, 0, 0, 0, e^{34} + e^{12}, e^{13} + e^{25}, e^{26} + e^{14}$	$3/38(9, 7, 8, 8, 10, 10, 16, 17, 17)$	$\{\emptyset, 123456, 1289, 13679, 14578, 23678, 24579, 345689\}$
93:54	$0, 0, 0, 0, 0, 0, e^{13} + e^{24}, e^{15} + e^{23}, e^{14} + e^{26}$	$1/13(7, 7, 10, 10, 10, 10, 17, 17, 17)$	$\{\emptyset, 123456, 12789, 13689, 1457, 2367, 24589, 3456789\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	g	N	Signatures S
93:55	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{56} + e^{14} + e^{23}$	$1/38(23, 24, 28, 29, 22, 30, 47, 51, 52)$	$\{\emptyset, 123456, 12589, 13679, 1478, 235678, 24579, 34689\}$
93:57a	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{14} + e^{26} + e^{35}$	$1/19(12, 11, 14, 14, 12, 15, 23, 26, 26)$	$\{\emptyset, 123456, 1239, 12468, 12589, 13457, 13679, 1478, 156789, 234789, 235678, 24579, 267, 34689, 358, 4569\}$
93:57b	$0, 0, 0, 0, 0, 0, e^{12}, e^{45} - e^{13}, e^{35} + e^{26} + e^{14}$	$1/19(12, 11, 14, 14, 12, 15, 23, 26, 26)$	$\{\emptyset, 123456, 1239, 12468, 12589, 13457, 13679, 1478, 156789, 234789, 235678, 24579, 267, 34689, 358, 4569\}$
93:58	$0, 0, 0, 0, 0, 0, e^{12}, e^{13} + e^{45}, e^{35} + e^{24} + e^{16}$	$1/13(7, 9, 10, 9, 8, 11, 16, 17, 18)$	$\{\emptyset, 123456, 1239, 12468, 12589, 34689, 358, 4569\}$
93:59	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{35} + e^{12}, e^{56} + e^{14}$	$1/112(72, 73, 79, 78, 66, 84, 151, 145, 150)$	$\{\emptyset, 123456, 12679, 13689, 145678, 2378, 24589, 34579\}$
93:60	$0, 0, 0, 0, 0, 0, e^{12} + e^{34}, e^{15} + e^{23}, e^{14} + e^{56}$	$1/79(52, 53, 49, 56, 50, 58, 105, 102, 108)$	$\{\emptyset, 123456, 12689, 136789, 14567, 237, 245789, 34589\}$
93:62	$0, 0, 0, 0, 0, 0, e^{14} + e^{23}, e^{35} + e^{12}, e^{16} + e^{45}$	$1/29(17, 20, 18, 21, 19, 23, 38, 37, 40)$	$\{\emptyset, 123456, 1267, 13678, 14568, 238, 24578, 3457\}$
93:63	$0, 0, 0, 0, 0, 0, e^{12}, e^{34} + e^{56}, e^{25} + e^{13} + e^{46}$	$1/79(50, 50, 56, 53, 56, 53, 100, 109, 106)$	$\{\emptyset, 123456, 12358, 145789, 15679, 23479, 236789, 468\}$
93:64a	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{15} + e^{26}, e^{34} + e^{56}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 12348, 12567, 1278, 1359, 13689, 14579, 146789, 235789, 23679, 24589, 2469, 345678, 347, 568\}$
93:64b	$0, 0, 0, 0, 0, 0, e^{24} - e^{13}, e^{26} + e^{15}, e^{56} + e^{34}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 12348, 12567, 1278, 1359, 13689, 14579, 146789, 235789, 23679, 24589, 2469, 345678, 347, 568\}$
93:65a	$0, 0, 0, 0, 0, 0, e^{13} + e^{24}, e^{26} + e^{15}, e^{46} + e^{35}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 123489, 125679, 1278, 135, 13689, 14579, 14678, 23578, 23679, 24589, 246, 345678, 3479, 5689\}$
93:65b	$0, 0, 0, 0, 0, 0, e^{24} - e^{13}, e^{26} + e^{15}, e^{35} + e^{46}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 123489, 125679, 1278, 135, 13689, 14579, 14678, 23578, 23679, 24589, 246, 345678, 3479, 5689\}$
93:68a	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{34} + e^{12}, e^{46} + e^{15} + e^{23}$	$1/23(13, 16, 16, 13, 19, 19, 29, 29, 32)$	$\{\emptyset, 123456, 12679, 13689, 145678, 2378, 24589, 34579\}$
93:68b	$0, 0, 0, 0, 0, 0, e^{24} - e^{13}, e^{12} + e^{34}, e^{15} + e^{23} + e^{46}$	$1/23(13, 16, 16, 13, 19, 19, 29, 29, 32)$	$\{\emptyset, 123456, 12679, 13689, 145678, 2378, 24589, 34579\}$
93:69a	$0, 0, 0, 0, 0, 0, e^{13} + e^{24}, e^{12} + e^{35}, e^{14} + e^{56} + e^{23}$	$1/113(73, 73, 79, 79, 67, 85, 152, 146, 152)$	$\{\emptyset, 123456, 12679, 13689, 145678, 2378, 24589, 34579\}$
93:69b	$0, 0, 0, 0, 0, 0, -e^{13} + e^{24}, e^{35} + e^{12}, e^{14} + e^{23} + e^{56}$	$1/113(73, 73, 79, 79, 67, 85, 152, 146, 152)$	$\{\emptyset, 123456, 12679, 13689, 145678, 2378, 24589, 34579\}$
93:70	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{35} + e^{12}, e^{36} + e^{25} + e^{14}$	$1/41(29, 25, 23, 27, 31, 33, 52, 54, 56)$	$\{\emptyset, 123456, 12679, 34579\}$
93:73	$0, 0, 0, 0, 0, 0, e^{12}, e^{15} + e^{46} + e^{23}, e^{56} + e^{13} + e^{24}$	$1/41(25, 25, 31, 31, 31, 25, 50, 56, 56)$	$\{\emptyset, 123456, 12689, 34589\}$
93:75	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{12} + e^{56}, e^{15} + e^{23} + e^{46}$	$1/401(265, 259, 277, 283, 271, 253, 542, 524, 536)$	$\{\emptyset, 123456, 13689, 24589\}$
93:76a	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{56} + e^{12}, e^{34} + e^{26} + e^{15}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 12567, 13689, 146789, 235789, 24589, 347\}$
93:76b	$0, 0, 0, 0, 0, 0, e^{13} + e^{24}, e^{56} - e^{12}, e^{26} + e^{34} + e^{15}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 12567, 13689, 146789, 235789, 24589, 347\}$
93:78a	$0, 0, 0, 0, 0, 0, e^{13} + e^{24}, e^{26} + e^{15}, e^{14} + e^{23} + e^{56}$	$1/43(26, 26, 32, 32, 29, 29, 58, 55, 58)$	$\{\emptyset, 123456, 12348, 1359, 13689, 24589, 2469, 568\}$
93:78b	$0, 0, 0, 0, 0, 0, e^{24} - e^{13}, e^{15} + e^{26}, e^{14} + e^{23} + e^{56}$	$1/43(26, 26, 32, 32, 29, 29, 58, 55, 58)$	$\{\emptyset, 123456, 12348, 1359, 13689, 24589, 2469, 568\}$
93:82a	$0, 0, 0, 0, 0, 0, e^{34} + e^{12}, e^{46} + e^{15} + e^{23}, e^{56} + e^{24} + e^{13}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 12689, 34589\}$
93:82b	$0, 0, 0, 0, 0, 0, -e^{12} + e^{34}, e^{15} + e^{23} + e^{46}, e^{24} + e^{13} + e^{56}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 12689, 34589\}$
921:6	$0, 0, 0, 0, 0, 0, e^{12}, e^{67} + e^{45} + e^{28} + e^{13}$	$5/31(4, 3, 6, 5, 5, 5, 5, 7, 10)$	$\{\emptyset, 12469, 12479, 12569, 12579, 14689, 14789, 15689, 15789, 245678, 2458, 2678, 28, 45, 4567, 67\}$
92:14	$0, 0, 0, 0, 0, 0, 0, e^{12}, e^{45} + e^{67} + e^{13}$	$1/13(8, 9, 12, 10, 10, 10, 10, 17, 20)$	$\{\emptyset, 123, 12345, 1234567, 12367, 12469, 12479, 12569, 12579, 1345678, 13458, 13678, 138, 14689, 14789, 15689, 15789, 234689, 234789, 235689, 235789, 245678, 2458, 2678, 28, 3469, 3479, 3569, 3579, 45, 4567, 67\}$
92:15	$0, 0, 0, 0, 0, 0, 0, e^{12} + e^{34}, e^{67} + e^{15}$	$1/11(7, 9, 8, 8, 9, 8, 8, 16, 16)$	$\{\emptyset, 12345, 1234567, 123469, 123479, 125, 12567, 1269, 1279, 135678, 1358, 13689, 13789, 145678, 1458, 14689, 14789, 235689, 235789, 23678, 238, 245689, 245789, 24678, 248, 34, 34569, 34579, 3467, 569, 579, 67\}$
92:16	$0, 0, 0, 0, 0, 0, 0, e^{34} + e^{12}, e^{13} + e^{25} + e^{67}$	$1/23(18, 15, 16, 17, 19, 17, 17, 33, 34)$	$\{\emptyset, 12345, 1234567, 1269, 1279, 13678, 138, 145689, 145789, 23689, 23789, 245678, 2458, 34569, 34579, 67\}$
92:17	$0, 0, 0, 0, 0, 0, 0, e^{34} + e^{12}, e^{37} + e^{15} + e^{26}$	$1/16(11, 11, 10, 12, 13, 13, 14, 22, 24)$	$\{\emptyset, 1234567, 12349, 1256, 1279, 13578, 13689, 1458, 146789, 23589, 23678, 245789, 2468, 34569, 347, 5679\}$

Table A.2 – Continued to next page

Table A.2 – Continued from previous page

Name	\mathfrak{g}	N	Signatures \mathbf{S}
92:18a	$0, 0, 0, 0, 0, 0, 0, e^{13} + e^{56} + e^{24}, e^{12} + e^{57} + e^{34}$	$1/11(8, 8, 8, 8, 7, 9, 9, 16, 16)$	$\{\emptyset, 1234, 1234567, 12578, 1268, 13569, 1379, 14589, 146789, 23589, 236789, 24569, 2479, 34578, 3468, 567\}$
92:18b	$0, 0, 0, 0, 0, 0, 0, e^{56} - e^{13} + e^{24}, e^{57} + e^{34} + e^{12}$	$1/11(8, 8, 8, 8, 7, 9, 9, 16, 16)$	$\{\emptyset, 1234, 1234567, 12578, 1268, 13569, 1379, 14589, 146789, 23589, 236789, 24569, 2479, 34578, 3468, 567\}$
92:19	$0, 0, 0, 0, 0, 0, 0, e^{46} + e^{25} + e^{13}, e^{57} + e^{34} + e^{12}$	$1/13(9, 10, 10, 9, 9, 10, 10, 19, 19)$	$\{\emptyset, 1234567, 1268, 1379, 14589, 236789, 24569, 34578\}$
91:4	$0, 0, 0, 0, 0, 0, 0, 0, e^{12} + e^{34} + e^{56} + e^{78}$	$5/6(1, 1, 1, 1, 1, 1, 1, 2)$	$\{\emptyset, 12, 1234, 123456, 12345678, 123478, 1256, 125678, 1278, 13579, 13589, 13679, 13689, 14579, 14589, 14679, 14689, 23579, 23589, 23679, 23689, 24579, 24589, 24679, 24689, 34, 3456, 345678, 3478, 56, 5678, 78\}$

End of Table A.2

A.3 Nice nilpotent Lie algebras of dimension 8 with $\dim \text{coker } M_\Delta > 1$

Table A.3: Irreducible nice nilpotent Lie algebras of dimension 8 with $\dim \text{coker } M_\Delta > 1$ that admit a Riemannian nilsoliton metric

Name	\mathfrak{g}	N	\mathbf{S}_0	$\mathbf{S} = \mathbf{S}_0$
8654321:5	$0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}, e^{16}, e^{45} + e^{36} + e^{27}$	$1/185(10, 123, 133, 143, 153, 163, 173, 296)$	$\{\emptyset, 12468, 13578, 234567\}$	
8654321:7	$0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{24} + e^{16}, e^{34} + e^{17}$	$43/281(1, 3, 4, 5, 6, 7, 8, 9)$	$\{\emptyset, 12468\}$	
8654321:11	$0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}, e^{16} + e^{23}, e^{36} + e^{27} + e^{45}$	$53/441(1, 4, 5, 6, 7, 8, 9, 13)$	$\{\emptyset, 13578\}$	
8654321:14	$0, 0, -e^{12}(-1 + a_3), e^{13}, e^{14}a_3, e^{15} + e^{23}, e^{24} + e^{16}, e^{25} + e^{34} + e^{17}$	$43/281(1, 3, 4, 5, 6, 7, 8, 9)$	$\{\emptyset, 12468\}$	
8654321:17	$0, 0, -e^{12}, e^{13}, e^{14}, -e^{15} + e^{23}, e^{24} + e^{16}, e^{36} + e^{27} + e^{45}$	$15/107(1, 3, 4, 5, 6, 7, 8, 11)$	$\{\emptyset, 12468\}$	
8654321:19	$0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{24} + e^{15}, e^{25} + e^{34} + 2e^{16}, e^{35} + e^{17}$	$3/17(1, 2, 3, 4, 5, 6, 7, 8)$	$\{\emptyset, 1357\}$	
8654321:20	$0, 0, e^{12}, -e^{13}, e^{23} + e^{14}, e^{24} - e^{15}, e^{34} + e^{16}, e^{35} + e^{26} + e^{17}$	$3/17(1, 2, 3, 4, 5, 6, 7, 8)$	$\{\emptyset, 1357\}$	
8654321:24	$0, 0, -e^{12}(-1 + a_4), e^{13}a_4, e^{23} + e^{14}, e^{24} + e^{15}a_4, -e^{16}(-2 + a_4) + e^{25} + e^{34}, e^{35} + e^{26} + e^{17}$	$3/17(1, 2, 3, 4, 5, 6, 7, 8)$	$\{\emptyset, 1357\}$	
8654321:25	$0, 0, -e^{12}, -e^{13}, -\frac{1}{2}e^{23} + \frac{3}{2}e^{14}, \frac{1}{2}e^{24} + e^{15}, e^{25} + e^{34} + e^{16}, e^{36} + e^{27} + e^{45}$	$37/221(1, 2, 3, 4, 5, 6, 7, 9)$	$\{\emptyset, 13578\}$	
865431:4	$0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{25} + e^{34}, e^{24} + e^{16}$	$43/281(1, 3, 4, 5, 6, 7, 9, 8)$	$\{\emptyset, 12467\}$	
865431:7	$0, 0, -e^{12}, e^{13}, e^{14}, 2e^{15}, e^{25} + e^{34}, e^{35} + e^{26} + e^{17}$	$9/76(1, 4, 5, 6, 7, 8, 11, 12)$	$\{\emptyset, 12467, 1357, 23456\}$	
865431:8	$0, 0, -e^{12}, e^{13}, e^{14}, 2e^{15} + e^{23}, e^{25} + e^{34}, e^{35} + e^{26} + e^{17}$	$45/317(1, 3, 4, 5, 6, 7, 9, 10)$	$\{\emptyset, 12467\}$	
865431:9	$0, 0, -e^{12}, 2e^{13}, e^{23} + e^{14}, e^{24} + 2e^{15}, e^{25} + e^{34}, e^{35} + e^{26} + e^{17}$	$3/17(1, 2, 3, 4, 5, 6, 7, 8)$	$\{\emptyset, 1357\}$	
86532:3	$0, 0, e^{12}, -e^{13}, e^{23}, e^{24} - e^{15}, e^{34} + e^{16}, e^{35} + e^{26}$	$4/15(1, 1, 2, 3, 3, 4, 5, 5)$	$\{\emptyset, 124578, 1357, 2348\}$	
86532:4a	$0, 0, e^{12}, e^{13}, e^{23}, e^{25} - e^{14}, e^{26} + e^{34}, e^{35} + e^{16}$	$4/15(1, 1, 2, 3, 3, 4, 5, 5)$	$\{\emptyset, 124578, 13567, 23468\}$	
86532:4b	$0, 0, e^{12}, -e^{13}, e^{23}, e^{25} - e^{14}, e^{26} + e^{34}, e^{35} + e^{16}$	$4/15(1, 1, 2, 3, 3, 4, 5, 5)$	$\{\emptyset, 124578, 13567, 23468\}$	
86531:5	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{26} + e^{34}$	$1/5(1, 2, 3, 4, 5, 5, 6, 7)$	$\{\emptyset, 12458, 13568, 2346\}$	
86531:7	$0, 0, -e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{14}, e^{35} + e^{26}$	$1/30(9, 8, 17, 26, 25, 34, 35, 42)$	$\{\emptyset, 12458, 1357, 23478\}$	
86531:9a	$0, 0, e^{12}, e^{13}, e^{23}, e^{25} - e^{14}, e^{24} + e^{15}, e^{26} + e^{34}$	$23/81(1, 1, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12458, 13568, 2346\}$	
86531:9b	$0, 0, -e^{12}, e^{13}, e^{23}, e^{25} + e^{14}, e^{24} + e^{15}, e^{26} + e^{34}$	$23/81(1, 1, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12458, 13568, 2346\}$	
86531:14	$0, 0, e^{12}a_1, e^{13}, e^{23}, -e^{14}(-1 + a_1), e^{24} + e^{15}, e^{26} + e^{34} + e^{17}$	$1/5(1, 2, 3, 4, 5, 5, 6, 7)$	$\{\emptyset, 12458, 13568, 2346\}$	
86531:15a	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{27} + e^{35} + e^{16}$	$23/81(1, 1, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12458, 1356, 23468\}$	
86531:15b	$0, 0, -e^{12}, e^{13}, e^{23}, -e^{14}, e^{24} + e^{15}, e^{27} + e^{35} + e^{16}$	$23/81(1, 1, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12458, 1356, 23468\}$	
86531:16a	$0, 0, e^{12}a_1, e^{13}, e^{23}, e^{24} + e^{15}, e^{25} - e^{14}(-1 + a_1), e^{27} + e^{34} + e^{16}$	$23/81(1, 1, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12458, 13578, 2347\}$	
86531:16b	$0, 0, e^{12}a_1, -e^{13}, e^{23}, e^{24} - e^{15}, e^{25} - e^{14}(-1 + a_1), e^{27} + e^{34} + e^{16}$	$23/81(1, 1, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12458, 13578, 2347\}$	

Table A.3 – Continued to next page

Table A.3 – Continued from previous page

Name	g	N	S_0	$S = S_0$
854321:5	$0, 0, 0, -e^{12}, e^{14}, e^{15} + e^{23}, e^{34} + e^{16}, e^{35} + e^{17}$	$1/55(8, 35, 24, 43, 51, 59, 67, 75)$	$\{\emptyset, 12357, 13468, 245678\}$	
854321:11	$0, 0, 0, -e^{12}, e^{14}, e^{15} + e^{23}, e^{34} + e^{16}, e^{24} + e^{35} + e^{17}$	$43/281(1, 4, 3, 5, 6, 7, 8, 9)$	$\{\emptyset, 13468\}$	
854321:18	$0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{34} + e^{15}, e^{35} + e^{16}, e^{36} + e^{17}$	$2/15(1, 5, 2, 6, 7, 8, 9, 10)$	$\{\emptyset, 1257, 1468, 245678\}$	
854321:23	$0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{34} + e^{15}, e^{35} + e^{16}, e^{24} + e^{36} + e^{17}$	$7/46(1, 4, 2, 5, 6, 7, 8, 9)$	$\{\emptyset, 1468\}$	
854321:25	$0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{34} + e^{15}, e^{24} + e^{35} + e^{16}, e^{25} + e^{36} + e^{17}$	$3/17(1, 3, 2, 4, 5, 6, 7, 8)$	$\{\emptyset, 1257\}$	
85432:5	$0, 0, 0, -e^{12}, e^{14}, e^{15} + e^{23}, e^{34} + e^{16}, e^{26} + e^{45}$	$1/185(41, 71, 123, 112, 153, 194, 235, 265)$	$\{\emptyset, 123578, 13468, 24567\}$	
85421:17	$0, 0, 0, e^{12}(-1 + a_2), e^{14}, e^{24} + a_2e^{13}, e^{15} + e^{23}, e^{26} + e^{34} + e^{17}$	$51/389(2, 3, 6, 5, 7, 8, 9, 11)$	$\{\emptyset, 24578\}$	
85421:18	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14}, e^{25} + e^{34}, e^{27} + e^{35}$	$7/30(2, 1, 2, 3, 4, 5, 5, 6)$	$\{\emptyset, 12568, 14578, 2467\}$	
85421:23	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14}, e^{25} + e^{34}, e^{27} + e^{35} + e^{16}$	$49/369(3, 2, 4, 5, 7, 8, 9, 11)$	$\{\emptyset, 14578\}$	
85421:24	$0, 0, 0, e^{12}, e^{13} + e^{24}, 2e^{14}, e^{25} + e^{34}, e^{36} + e^{17} + e^{45}$	$1/76(25, 22, 44, 47, 69, 72, 91, 116)$	$\{\emptyset, 12568, 1457, 24678\}$	
85421:31	$0, 0, 0, e^{12}, e^{14}, e^{13} + e^{24}, e^{25} + e^{16}, e^{17} + e^{45}$	$1/31(5, 14, 28, 19, 24, 33, 38, 43)$	$\{\emptyset, 12568, 1468, 245\}$	
85421:34	$0, 0, 0, -e^{12}, e^{14}, e^{13} + e^{24}, e^{25} + e^{16}, e^{27} + e^{35} + e^{46}$	$1/15(4, 5, 10, 9, 13, 14, 18, 23)$	$\{\emptyset, 12568, 146, 2458\}$	
85421:37a	$0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13} + e^{24}, e^{26} + e^{15}, e^{46} + e^{35} + e^{17}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 1467, 24578\}$	
85421:37b	$0, 0, 0, e^{12}, -e^{23} - e^{14}, -e^{13} + e^{24}, e^{26} + e^{15}, e^{35} + e^{17} + e^{46}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 1467, 24578\}$	
85421:38a	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{23} + e^{14}, e^{26} + e^{15}, e^{46} + e^{35} + e^{17}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 1458, 246\}$	
85421:38b	$0, 0, 0, e^{12}, -e^{13} + e^{24}, e^{23} + e^{14}, e^{26} + e^{15}, e^{35} + e^{17} + e^{46}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 1458, 246\}$	
85421:39a	$0, 0, 0, e^{12}, 2e^{14}, e^{13} + e^{24}, e^{26} + e^{34} + e^{15}, e^{46} + e^{35} + e^{17}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 1467, 24578\}$	
85421:39b	$0, 0, 0, e^{12}, 2e^{14}, e^{13} + e^{24}, e^{26} + e^{34} - e^{15}, e^{35} + e^{17} + e^{46}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 1467, 24578\}$	
85421:40a	$0, 0, 0, -e^{12}, e^{14}, -e^{13} + e^{24}, e^{26} + e^{34} + e^{15}, e^{45} + e^{36} + e^{27}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 14678, 2457\}$	
85421:40b	$0, 0, 0, -e^{12}, -e^{14}, -e^{13} + e^{24}, e^{26} + e^{34} + e^{15}, e^{36} + e^{27} + e^{45}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 14678, 2457\}$	
85421:41a	$0, 0, 0, e^{12}, e^{14}(1 + a_3) + e^{23}(-1 + a_3), e^{24} + e^{13}a_3,$ $e^{26} + e^{34} + e^{15}, e^{46} + e^{35} + e^{17}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 1467, 24578\}$	
85421:41b	$0, 0, 0, e^{12}, e^{14}(1 + a_3) - e^{23}(-1 + a_3), e^{24} + e^{13}a_3,$ $e^{26} + e^{34} - e^{15}, e^{35} + e^{17} + e^{46}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 1467, 24578\}$	
85321:22	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{14}, e^{16} + e^{23}, e^{25} + e^{34} + e^{17}$	$1/9(2, 5, 6, 7, 8, 9, 11, 13)$	$\{\emptyset, 12368, 1347, 24678\}$	
85321:45	$0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25} + e^{16}, e^{45} + e^{36} + e^{17}$	$1/4(1, 2, 2, 3, 3, 4, 5, 6)$	$\{\emptyset, 12568, 1457, 24678\}$	
85321:47	$0, 0, 0, -e^{12}, -2e^{13}, -e^{23} + e^{14}, e^{25} + e^{34} + e^{16}, e^{46} + e^{27}$	$3/76(8, 7, 16, 15, 24, 23, 31, 38)$	$\{\emptyset, 12568, 14578, 2467\}$	
85321:48	$0, 0, 0, e^{12}, e^{13}(-1 + a_3), e^{23} + e^{14}a_3,$ $(-2 + a_3)e^{16} + e^{25} + e^{34}, e^{36} + e^{17} + e^{45}$	$1/4(1, 2, 2, 3, 3, 4, 5, 6)$	$\{\emptyset, 12568, 1457, 24678\}$	
85321:49a	$0, 0, 0, -e^{12}, -2e^{13}, -e^{23} + e^{14}, e^{25} + e^{34} + e^{16}, e^{46} + e^{27} + e^{35}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 14578, 2467\}$	
85321:49b	$0, 0, 0, -e^{12}, -2e^{13}, -e^{23} - e^{14}, e^{25} + e^{34} + e^{16}, e^{27} + e^{35} + e^{46}$	$7/23(1, 1, 2, 2, 3, 3, 4, 5)$	$\{\emptyset, 12568, 14578, 2467\}$	
8542:11	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14}, e^{25} + e^{34}, e^{26} + e^{15}$	$1/3(1, 1, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 1256, 1457, 2467\}$	
8542:15a	$0, 0, 0, e^{12}a_1, e^{24} + e^{13}(1 + a_1), e^{23} + e^{14}, e^{26} + e^{15}, e^{25} + e^{34} + e^{16}$	$1/3(1, 1, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 1256, 1458, 2468\}$	
8542:15b	$0, 0, 0, e^{12}a_1, e^{24} + e^{13}(1 + a_1), e^{23} - e^{14}, e^{26} - e^{15}, e^{25} + e^{34} + e^{16}$	$1/3(1, 1, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 1256, 1458, 2468\}$	
8531:55	$0, 0, 0, e^{12}(-1 + a_2), e^{13}a_2, e^{23} + e^{14}, e^{35}, e^{25} + e^{34} + e^{16}$	$1/8(2, 5, 4, 7, 6, 9, 10, 11)$	$\{\emptyset, 12567, 14578, 2468\}$	
8531:62	$0, 0, 0, e^{12}a_1, e^{13}(1 + a_1), e^{23} + e^{14}, e^{15}, e^{25} + e^{34} + e^{16}$	$2/7(1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 1256, 1458, 2468\}$	
8531:68	$0, 0, 0, e^{12}(-1 + a_2), e^{13}a_2, e^{23} + e^{14}, e^{24}, e^{25} + e^{34} + e^{16}$	$1/12(4, 5, 8, 9, 12, 13, 14, 17)$	$\{\emptyset, 12567, 14578, 2468\}$	
8531:69a	$0, 0, 0, e^{12}a_1, e^{13}(1 + a_1), e^{23} + e^{14}, e^{24} + e^{35}, e^{25} + e^{34} + e^{16}$	$25/93(1, 2, 2, 3, 3, 4, 5, 5)$	$\{\emptyset, 12567, 14578, 2468\}$	
8531:69b	$0, 0, 0, e^{12}a_1, e^{13}(1 + a_1), e^{23} + e^{14}, -e^{24} + e^{35}, e^{25} + e^{34} + e^{16}$	$25/93(1, 2, 2, 3, 3, 4, 5, 5)$	$\{\emptyset, 12567, 14578, 2468\}$	
8531:70	$0, 0, 0, e^{12}a_1, e^{13}(1 + a_1), e^{23} + e^{14}, e^{24} + e^{15}, e^{25} + e^{34} + e^{16}$	$11/71(2, 3, 4, 5, 6, 7, 8, 9)$	$\{\emptyset, 2468\}$	
8531:90	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{24}, e^{25} + e^{34}, e^{36} + e^{27}$	$1/5(3, 1, 2, 4, 5, 5, 6, 7)$	$\{\emptyset, 12367, 12568, 1346, 145678, 23458, 247, 3578\}$	
8531:93	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{36} + e^{27} + e^{45}$	$1/5(1, 3, 3, 4, 4, 5, 5, 8)$	$\{\emptyset, 12367, 12568, 13478, 145, 234567, 2468, 3578\}$	
8531:95a	$0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{35}, e^{37} + e^{26}$	$1/15(9, 4, 4, 13, 13, 17, 17, 21)$	$\{\emptyset, 12367, 12578, 1347, 145678, 23458, 246, 3568\}$	
8531:95b	$0, 0, 0, -e^{12}, e^{13}, -e^{25} + e^{34}, e^{24} + e^{35}, e^{37} + e^{26}$	$1/15(9, 4, 4, 13, 13, 17, 17, 21)$	$\{\emptyset, 12367, 12578, 1347, 145678, 23458, 246, 3568\}$	
8531:99	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{36} + e^{27} + e^{15}$	$1/31(16, 8, 13, 24, 29, 32, 37, 45)$	$\{\emptyset, 23458, 247, 3578\}$	
8531:100	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{45} + e^{36} + e^{27}$	$1/31(8, 16, 17, 24, 25, 32, 33, 49)$	$\{\emptyset, 13478, 145, 3578\}$	
8531:101	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{36} + e^{27} + e^{45}$	$1/30(8, 13, 18, 21, 26, 29, 34, 47)$	$\{\emptyset, 12367, 13478, 2468\}$	

Table A.3 – Continued to next page

Table A.3 – Continued from previous page

Name	\mathfrak{g}	N	S_0	$S = S_0$
8531:103	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{25} + e^{34}, e^{45} + e^{36} + e^{17}$	$1/4(1, 2, 2, 3, 3, 4, 5, 6)$	$\{\emptyset, 12367, 12568, 1348, 1457, 23456, 24678, 3578\}$	
8531:104	$0, 0, 0, e^{12}a_1, e^{13}, e^{23} + e^{14}, e^{24} + e^{15}, e^{35} + e^{26} + e^{17}$	$15/101(2, 3, 4, 5, 6, 7, 8, 10)$	$\{\emptyset, 246\}$	
8531:105a	$0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{35}, e^{37} + e^{26} + e^{14}$	$23/81(2, 1, 1, 3, 3, 4, 4, 5)$	$\{\emptyset, 12578, 1347, 23458\}$	
8531:105b	$0, 0, 0, -e^{12}, e^{13}, -e^{25} + e^{34}, e^{24} + e^{35}, e^{37} + e^{26} + e^{14}$	$23/81(2, 1, 1, 3, 3, 4, 4, 5)$	$\{\emptyset, 12578, 1347, 23458\}$	
8531:106a	$0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{35}, e^{36} + e^{27} + e^{14}$	$23/81(2, 1, 1, 3, 3, 4, 4, 5)$	$\{\emptyset, 23458, 2468, 356\}$	
8531:106b	$0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, -e^{24} + e^{35}, e^{36} + e^{27} + e^{14}$	$23/81(2, 1, 1, 3, 3, 4, 4, 5)$	$\{\emptyset, 23458, 2468, 356\}$	
8531:107	$0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{24} + e^{15}, e^{45} + e^{36} + e^{27}$	$23/162(2, 3, 4, 5, 6, 7, 8, 11)$	$\{\emptyset, 2468\}$	
8531:109	$0, 0, 0, -e^{12}, -e^{13}, e^{24} + 2e^{15}, e^{25} + e^{34}, e^{45} + e^{26} + e^{17}$	$1/72(20, 29, 38, 49, 58, 78, 87, 107)$	$\{\emptyset, 12367, 13468, 2478\}$	
8531:110	$0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{35} + e^{14}, e^{37} + e^{26} + e^{45}$	$17/45(1, 1, 1, 2, 2, 3, 3, 4)$	$\{\emptyset, 12367\}$	
8521:12	$0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{25} + e^{34} - 2e^{16}, e^{45} + e^{17}$	$1/4(1, 2, 2, 3, 3, 4, 5, 6)$	$\{\emptyset, 1237, 12568, 13468, 1457, 2345, 24678, 35678\}$	
852:18	$0, 0, 0, e^{12}(-1 + a_2), e^{13}a_2, e^{23}, e^{14}, e^{25} + e^{34} + e^{16}$	$1/19(7, 9, 11, 16, 18, 20, 23, 27)$	$\{\emptyset, 12378, 12567, 1346, 1458, 23457, 24678, 3568\}$	
852:27	$0, 0, 0, e^{12}(-1 + a_2), e^{13}a_2, e^{23}, e^{24} + e^{15}, e^{25} + e^{34} + e^{16}$	$1/13(5, 6, 7, 11, 12, 13, 17, 18)$	$\{\emptyset, 12378, 13467, 2468\}$	
852:28a	$0, 0, 0, e^{12}(-1 + a_2), e^{13}a_2, e^{23}, e^{24} + e^{35}, e^{25} + e^{34} + e^{16}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 12567, 13467, 14578, 2345, 2468, 3568\}$	
852:28b	$0, 0, 0, e^{12}(-1 + a_2), e^{13}a_2, e^{23}, -e^{24} + e^{35}, e^{25} + e^{34} + e^{16}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378, 12567, 13467, 14578, 2345, 2468, 3568\}$	
852:30	$0, 0, 0, e^{12}a_1, e^{13}a_2, e^{23}, e^{35} + e^{26} + e^{14}, e^{24} + e^{36} + e^{15}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378\}$	
852:31	$0, 0, 0, e^{12}a_1, (1 + a_1)e^{13}, e^{23}, e^{25} + e^{34} + e^{16}, e^{24} + e^{36} + e^{15}$	$5/11(1, 1, 1, 2, 2, 2, 3, 3)$	$\{\emptyset, 12378\}$	
84321:22	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{35} + e^{16}, e^{24} + e^{36} + e^{17}$	$1/31(7, 17, 14, 28, 24, 31, 38, 45)$	$\{\emptyset, 1268, 157, 25678\}$	
84321:29	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{24} + e^{35} + e^{16}, e^{36} + e^{17} + e^{45}$	$1/4(1, 2, 2, 3, 3, 4, 5, 6)$	$\{\emptyset, 12468, 1457, 25678\}$	
8431:31	$0, 0, 0, 0, e^{12}a_1, e^{15} + e^{23}, e^{25} + e^{14}, e^{26} + e^{34} + e^{17}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 1267, 157, 256\}$	
8421:56	$0, 0, 0, 0, e^{12}(-1 + a_2), e^{23} + e^{14}, e^{25} + e^{13}a_2, e^{27} + e^{35} + e^{16}$	$3/8(1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 1267, 14578, 24568\}$	
842:107	$0, 0, 0, 0, -e^{12}, e^{23} - e^{14}, e^{35} + e^{16}, e^{45} + e^{26}$	$1/5(2, 2, 3, 3, 4, 5, 7, 7)$	$\{\emptyset, 123478, 126, 13568, 1457, 2358, 24567, 34678\}$	
842:111a	$0, 0, 0, 0, e^{23} + e^{14}, e^{13} + e^{24}, e^{25} + e^{16}, e^{26} + e^{15}$	$1/3(1, 1, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 123478, 1256, 1357, 1468, 2367, 2458, 345678\}$	
842:111b	$0, 0, 0, 0, e^{23} - e^{14}, e^{13} + e^{24}, e^{25} - e^{16}, e^{26} + e^{15}$	$1/3(1, 1, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 123478, 1256, 1357, 1468, 2367, 2458, 345678\}$	
842:112a	$0, 0, 0, 0, e^{23} + e^{14}, e^{13} + e^{24}, e^{26} + e^{15}, e^{35} + e^{46}$	$7/15(1, 1, 1, 1, 2, 2, 3, 3)$	$\{\emptyset, 123478, 12568, 135, 1467, 2368, 24578, 34567\}$	
842:112b	$0, 0, 0, 0, -e^{23} - e^{14}, -e^{13} + e^{24}, e^{26} + e^{15}, e^{46} + e^{35}$	$7/15(1, 1, 1, 1, 2, 2, 3, 3)$	$\{\emptyset, 123478, 12568, 135, 1467, 2368, 24578, 34567\}$	
841:74	$0, 0, 0, 0, e^{12}(-1 + a_2), e^{13}a_2, e^{23} + e^{14}, e^{35} + e^{26} + e^{17}$	$1/19(7, 11, 11, 15, 18, 18, 22, 29)$	$\{\emptyset, 12348, 1267, 1357, 14568, 2356, 24578, 34678\}$	
841:78a	$0, 0, 0, 0, e^{12}a_1, e^{23} + e^{14}, e^{13}(1 + a_1) + e^{24}, e^{27} + e^{35} + e^{16}$	$1/11(5, 5, 7, 7, 10, 12, 12, 17)$	$\{\emptyset, 12348, 1267, 1356, 14578, 2357, 24568, 34678\}$	
841:78b	$0, 0, 0, 0, e^{12}a_1, e^{23} - e^{14}, e^{13}(1 + a_1) + e^{24}, e^{27} + e^{35} + e^{16}$	$1/11(5, 5, 7, 7, 10, 12, 12, 17)$	$\{\emptyset, 12348, 1267, 1356, 14578, 2357, 24568, 34678\}$	
841:81a	$0, 0, 0, 0, e^{23} + e^{14}, e^{24} + e^{13}a_1, e^{34} + e^{12}(-1 + a_1), e^{37} + e^{26} + e^{15}$	$13/25(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12348, 1256, 1357, 14678, 2367, 24578, 34568\}$	✓
841:81b	$0, 0, 0, 0, e^{23} + e^{14}, -e^{24} + e^{13}a_1, e^{34} + e^{12}(-1 + a_1), e^{37} + e^{26} + e^{15}$	$13/25(1, 1, 1, 1, 2, 2, 2, 3)$	$\{\emptyset, 12348, 1256, 1357, 14678, 2367, 24578, 34568\}$	✓

End of Table A.3

A.4 Nice nilpotent Lie algebras of dimension 9 with $\dim \text{coker } M_\Delta > 0$

Table A.4: Irreducible nice nilpotent Lie algebras of dimension 9 with $\dim \text{coker } M_\Delta > 0$ that admit a Riemannian nilsoliton metric

Name	\mathfrak{g}	N	S_0	$S = S_0$
97654321:12	$0, 0, a_1e^{12}, e^{13}, -e^{14}(-1 + a_1), e^{15}, e^{16} + e^{23}, e^{17} + e^{24}, e^{18} + e^{34} + e^{25}$	$61/493(1, 4, 5, 6, 7, 8, 9, 10, 11)$	$\{\emptyset, 13579\}$	
97654321:21	$0, 0, e^{12}, e^{13}, e^{14}, -e^{15} + e^{23}, e^{16} + e^{24}, e^{34} + e^{17}, e^{26} + e^{18} + e^{35}$	$53/381(1, 3, 4, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 12468\}$	
97654321:25	$0, 0, (-1 + a_5)e^{12}, e^{13}, e^{14}, -(-2 + a_5)e^{15} + e^{23}, e^{16} + e^{24}, e^{25} + e^{34} + e^{17}a_5, e^{18} + e^{26} + e^{35}$	$53/381(1, 3, 4, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 12468\}$	
97654321:31	$0, 0, e^{12}, e^{13}, e^{14} - e^{23}, -e^{15} + e^{24}, e^{34} + e^{16}, e^{35} + e^{17} + e^{26}, e^{45} + e^{18} + e^{27}$	$3/19(1, 2, 3, 4, 5, 6, 7, 8, 9)$	$\{\emptyset, 13579\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
97654321:40	$0, 0, e^{12}, \frac{1}{5}e^{13}, \frac{3}{5}e^{14} + e^{23},$ $\frac{1}{2}e^{15} + e^{24}, \frac{5}{2}e^{16} + e^{34} + e^{25}, \frac{3}{5}e^{17} + e^{35} + e^{26}, e^{18} + e^{36} + e^{45}$	3/19(1, 2, 3, 4, 5, 6, 7, 8, 9)	{0, 13579}	
97654321:42	$0, 0, e^{12}, \frac{3}{5}e^{13}, -3e^{23} + e^{14},$ $-2e^{24} + \frac{2}{5}e^{15}, -e^{16} + e^{25} + e^{34}, e^{35} + e^{17}, e^{36} + e^{45} + e^{27} + e^{18}$	3/19(1, 2, 3, 4, 5, 6, 7, 8, 9)	{0, 13579}	
97654321:43	$0, 0, -2\frac{(a_8 - a_8^2)e^{12}}{(2+a_8)(-1+2a_8)},$ $\frac{(-1+a_8)e^{13}}{-1+2a_8}, (-1+a_8)e^{23} + 3\frac{a_8^2e^{14}}{(2+a_8)(-1+2a_8)}, \frac{a_8e^{15}}{-1+2a_8} + a_8e^{24},$ $\frac{e^{16}(-2+5a_8)}{-2+3a_8+2a_8^2} + e^{25} + e^{34}, e^{26} + e^{35} + 3\frac{a_8^2e^{17}}{(2+a_8)(-1+2a_8)}, e^{18} + e^{45} + e^{36} + e^{27}$	3/19(1, 2, 3, 4, 5, 6, 7, 8, 9)	{0, 13579}	
9765432:4	$0, 0, -e^{12}, e^{13}, e^{14}, -e^{15}, e^{16} + e^{23}, e^{17} + e^{24}, e^{27} + e^{36} + e^{45}$	63/541(1, 4, 5, 6, 7, 8, 9, 10, 13)	{0, 13579}	
9765432:6	$0, 0, -e^{12}, e^{13}, e^{14}, -e^{15} + e^{23}, e^{16} + e^{24}, e^{17} + e^{25}, e^{27} + e^{45} + e^{36}$	9/67(1, 3, 4, 5, 6, 7, 8, 9, 11)	{0, 124689}	
9765432:7	$0, 0, e^{12}, -e^{13}, e^{14}, e^{15} + e^{23}, -e^{16} + e^{24}, e^{17} + e^{34}, e^{27} + e^{36} + e^{45}$	9/67(1, 3, 4, 5, 6, 7, 8, 9, 11)	{0, 124689}	
9765432:12	$0, 0, -e^{12}a_1, e^{13}a_1, e^{14}(1+a_1),$ $-e^{15}a_1 + e^{23}, e^{16}a_1 + e^{24}, e^{17} + e^{25} + e^{34}, e^{36} + e^{45} + e^{27}$	9/67(1, 3, 4, 5, 6, 7, 8, 9, 11)	{0, 124689}	
9765432:16	$0, 0, -\frac{2}{3}e^{12}, -\frac{5}{3}e^{13}, e^{14} - \frac{1}{2}e^{23},$ $\frac{1}{2}e^{24} + \frac{5}{3}e^{15}, e^{25} + e^{34} + \frac{2}{3}e^{16}, e^{26} + e^{35} + e^{17}, e^{36} + e^{27} + e^{45}$	3/19(1, 2, 3, 4, 5, 6, 7, 8, 9)	{0, 13579}	
9765421:1	$0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{34} + e^{25}, e^{16}, e^{18}$	1/191(16, 117, 133, 149, 165, 181, 282, 197, 213)	{0, 124679, 13578, 2345689}	
9765421:2	$0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{34} + e^{25}, e^{16}, e^{18} + e^{23}$	35/323(1, 5, 6, 7, 8, 9, 13, 10, 11)	{0, 124679}	
9765421:3	$0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{34}, e^{16} + e^{23}, e^{18} + e^{24}$	61/493(1, 4, 5, 6, 7, 8, 11, 9, 10)	{0, 13578}	
9765421:6	$0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}, e^{25} + e^{34}, e^{16}, e^{28} + e^{36} + e^{45}$	2/23(1, 6, 7, 8, 9, 10, 15, 11, 17)	{0, 124679, 135789, 234568}	
9765421:9	$0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}, e^{25} + e^{34}, e^{23} + e^{16}, e^{28} + e^{45} + e^{36}$	32/281(1, 4, 5, 6, 7, 8, 11, 9, 13)	{0, 135789}	
9765421:13	$0, 0, -e^{12}, e^{13}, e^{14}, e^{23} - e^{15}, e^{34} + e^{25}, e^{24} + e^{16}, e^{28} + e^{36} + e^{45}$	9/67(1, 3, 4, 5, 6, 7, 9, 8, 11)	{0, 124679}	
9765421:16	$0, 0, -e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, 2e^{15}, e^{25} + e^{27} + e^{16}, e^{36} + e^{28}$	1/72(13, 18, 31, 44, 57, 75, 70, 88, 106)	{0, 124679, 1356, 234579}	
9765421:19	$0, 0, e^{12}, 3e^{13}, -e^{14}, -2e^{15}, e^{25} + e^{34}, e^{26} - e^{17} + e^{35}, e^{45} + e^{18} + e^{36}$	1/221(17, 109, 126, 143, 160, 177, 269, 286, 303)	{0, 124679, 13579, 23456}	
9765421:22	$0, 0, e^{12}, 3e^{13}, -e^{14}, -2e^{15} + e^{23}, e^{25} + e^{34}, -e^{17} + e^{26} + e^{35}, e^{36} + e^{18} + e^{45}$	28/219(1, 3, 4, 5, 6, 7, 9, 10, 11)	{0, 124679}	
9765421:25	$0, 0, e^{12}, 3e^{13}, -e^{14} - \frac{3}{5}e^{23},$ $-2e^{15} + \frac{2}{5}e^{24}, e^{34} + e^{25}, e^{35} - e^{17} + e^{26}, e^{45} + e^{36} + e^{18} + e^{27}$	3/19(1, 2, 3, 4, 5, 6, 7, 8, 9)	{0, 13579}	
9764321:5	$0, 0, -e^{12}, -e^{13}, e^{23}, e^{14}, e^{16}, e^{17}, e^{28} + e^{37} + e^{46}$	2/419(19, 113, 132, 151, 245, 170, 189, 208, 321)	{0, 124579, 135689, 234678}	
9764321:6a	$0, 0, -e^{12}, -e^{13}, e^{23}, e^{14}, e^{16}, e^{17} + e^{25}, e^{28} + e^{37} + e^{46}$	7/41(1, 2, 3, 4, 5, 5, 6, 7, 9)	{0, 124579, 135689, 234678}	
9764321:6b	$0, 0, -e^{12}, -e^{13}, e^{23}, -e^{14}, e^{16}, e^{17} + e^{25}, e^{28} + e^{37} + e^{46}$	7/41(1, 2, 3, 4, 5, 5, 6, 7, 9)	{0, 124579, 135689, 234678}	
976542:3	$0, 0, -e^{12}, e^{13}, e^{14}, 2e^{15}, e^{34} + e^{25}, e^{16}, e^{35} + e^{17} + e^{26}$	1/293(32, 143, 175, 207, 239, 271, 382, 303, 414)	{0, 12467, 13578, 234568}	
976542:5	$0, 0, -e^{12}, e^{13}, e^{14}, 2e^{15}, e^{34} + e^{25}, e^{16} + e^{23}, e^{17} + e^{35} + e^{26}$	21/179(1, 4, 5, 6, 7, 8, 11, 9, 12)	{0, 13578}	
976542:6	$0, 0, -e^{12}, e^{13}, e^{14}, e^{23} + 2e^{15}, e^{25} + e^{34}, e^{24} + e^{16}, e^{35} + e^{17} + e^{26}$	53/381(1, 3, 4, 5, 6, 7, 9, 8, 10)	{0, 12467}	
976431:1	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{16}, e^{26} + e^{34}, e^{17}$	10/79(1, 4, 5, 6, 9, 7, 8, 11, 9)	{0, 124578, 135689, 234679}	
976431:2a	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{16}, e^{26} + e^{34}, e^{25} + e^{17}$	20/107(1, 2, 3, 4, 5, 5, 6, 7, 7)	{0, 124578, 135689, 234679}	
976431:2b	$0, 0, -e^{12}, -e^{13}, e^{23}, e^{14}, e^{16}, e^{26} + e^{34}, e^{17} + e^{25}$	20/107(1, 2, 3, 4, 5, 5, 6, 7, 7)	{0, 124578, 135689, 234679}	
976431:5	$0, 0, e^{12}, e^{13}, e^{23}, -e^{14}, e^{16} + e^{25}, e^{26} + e^{34}, e^{17} + e^{35}$	35/333(2, 3, 5, 7, 8, 9, 11, 12, 13)	{0, 234679}	
976431:7	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, 2e^{16}, e^{26} + e^{34}, e^{36} + e^{18} + e^{27}$	1/293(37, 133, 170, 207, 303, 244, 281, 377, 414)	{0, 124578, 13568, 23467}	
976431:8	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{34}, e^{25} + 2e^{16}, e^{17} + e^{28} + e^{36}$	71/693(2, 3, 5, 7, 8, 9, 12, 11, 14)	{0, 23468}	
976431:13	$0, 0, e^{12}, e^{13}, -e^{23}, e^{24} - e^{15}, e^{34} + e^{16}, e^{35} + e^{26}, e^{27} + e^{45} + e^{18}$	5/21(1, 1, 2, 3, 3, 4, 5, 5, 6)	{0, 124578, 13579, 23489}	
976431:14a	$0, 0, e^{12}, e^{13}, -e^{23}, -e^{14} + e^{25}, e^{26} + e^{34}, e^{35} + e^{16}, e^{45} + e^{27} + e^{18}$	5/21(1, 1, 2, 3, 3, 4, 5, 5, 6)	{0, 124578, 135679, 234689}	
976431:14b	$0, 0, -e^{12}, e^{13}, -e^{23}, e^{25} + e^{14}, e^{26} + e^{34}, e^{35} - e^{16}, e^{27} + e^{18} + e^{45}$	5/21(1, 1, 2, 3, 3, 4, 5, 5, 6)	{0, 124578, 135679, 234689}	
976421:2	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{16}, e^{18}$	1/413(56, 211, 267, 323, 478, 379, 534, 435, 491)	{0, 12458, 13569, 234689}	
976421:6	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{16}, e^{34} + e^{26} + e^{18}$	20/107(1, 2, 3, 4, 5, 5, 7, 6, 7)	{0, 135679}	
976421:7	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{16} + e^{25}, e^{35} + e^{18}$	34/311(2, 3, 5, 7, 8, 9, 10, 11, 13)	{0, 234689}	
976421:11	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{16}, e^{18} + e^{27} + e^{35}$	34/311(2, 3, 5, 7, 8, 9, 10, 11, 13)	{0, 234689}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
976421:14	$0, 0, -(-1 + a_3)e^{12}, a_3e^{13}, e^{23}, e^{14}, a_3e^{15} + e^{24}, e^{16} + e^{25}, e^{27} + e^{18} + e^{35}$	$34/311(2, 3, 5, 7, 8, 9, 10, 11, 13)$	$\{0, 234689\}$	
976421:21	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, 2e^{17} + e^{26} + e^{34}, e^{36} + e^{18}$	$1/16(2, 7, 9, 11, 16, 13, 18, 20, 22)$	$\{0, 12458, 13568, 2346\}$	
976421:23	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{34} + 2e^{17} + e^{26}, e^{36} + e^{18} + e^{25}$	$53/381(1, 3, 4, 5, 7, 6, 8, 9, 10)$	$\{0, 12458\}$	
976421:25	$0, 0, -e^{12}, -e^{13}, -\frac{1}{2}e^{23}, \frac{1}{2}e^{24} + e^{15}, \frac{3}{2}e^{14}, e^{34} + e^{27} + e^{16}, e^{28} + e^{36} + e^{45}$	$1/221(49, 62, 111, 160, 173, 222, 209, 271, 333)$	$\{0, 12458, 135789, 23479\}$	
976421:28a	$0, 0, -e^{12}, e^{13}, -\frac{1}{2}e^{23}, \frac{1}{2}e^{24} - e^{15}, \frac{3}{2}e^{14} + e^{25}, e^{27} + e^{16} + e^{34}, e^{36} + e^{45} + e^{28}$	$29/117(1, 1, 2, 3, 3, 4, 4, 5, 6)$	$\{0, 12458, 135789, 23479\}$	
976421:28b	$0, 0, -e^{12}, -e^{13}, -\frac{1}{2}e^{23}, \frac{1}{2}e^{24} + e^{15}, e^{25} + \frac{3}{2}e^{14}, e^{34} + e^{27} + e^{16}, e^{36} + e^{28} + e^{45}$	$29/117(1, 1, 2, 3, 3, 4, 4, 5, 6)$	$\{0, 12458, 135789, 23479\}$	
97642:1	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{16}, e^{26} + e^{34}$	$4/483(25, 42, 67, 92, 109, 117, 151, 142, 159)$	$\{0, 124589, 135679, 234678\}$	
97642:2	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{16}, e^{26} + e^{34}$	$1/281(47, 121, 168, 215, 289, 262, 336, 309, 383)$	$\{0, 124589, 13569, 23468\}$	
97642:3	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{26} + e^{34}, e^{16} + e^{25}$	$67/597(2, 3, 5, 7, 8, 9, 10, 12, 11)$	$\{0, 23469\}$	
97642:4	$0, 0, e^{12}, -e^{13}, e^{23}, -e^{15} + e^{24}, e^{14}, e^{34} + e^{16}, e^{35} + e^{26}$	$1/83(21, 23, 44, 65, 67, 88, 86, 109, 111)$	$\{0, 124589, 13578, 23479\}$	
97642:5a	$0, 0, e^{12}, -e^{13}, e^{23}, -e^{15} + e^{24}, e^{14} + e^{25}, e^{16} + e^{34}, e^{35} + e^{26}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	
97642:5b	$0, 0, e^{12}, -e^{13}, e^{23}, e^{24} - e^{15}, -e^{14} + e^{25}, e^{16} + e^{34}, e^{35} + e^{26}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	
97642:6a	$0, 0, e^{12}, e^{13}, e^{23}, e^{25} - e^{14}, e^{24} + e^{15}, e^{26} + e^{34}, e^{35} + e^{16}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13568, 23469\}$	
97642:6b	$0, 0, e^{12}, -e^{13}, e^{23}, e^{25} - e^{14}, -e^{15} + e^{24}, e^{26} + e^{34}, e^{16} + e^{35}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13568, 23469\}$	
97642:9	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{26} + e^{34}, e^{27}$	$1/279(83, 66, 149, 232, 215, 315, 281, 381, 347)$	$\{0, 124589, 1356789, 23467\}$	
97642:11	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{16}, e^{17} + e^{34}$	$1/281(47, 121, 168, 215, 289, 262, 336, 309, 383)$	$\{0, 124589, 13569, 23468\}$	
97642:12	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{16}, e^{35} + e^{27}$	$2/99(11, 16, 27, 38, 43, 49, 54, 60, 70)$	$\{0, 124589, 1356, 234689\}$	
97642:13	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{26} + e^{34}, e^{27} + e^{16}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589\}$	
97642:14	$0, 0, e^{12}, e^{13}, e^{23}, -e^{14}, e^{25}, e^{26} + e^{34}, e^{35} + e^{17}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 135678, 234679\}$	
97642:16	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{16}, e^{34} + e^{17} + e^{25}$	$13/67(1, 2, 3, 4, 5, 5, 6, 6, 7)$	$\{0, 13569\}$	
97642:17	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{16} + e^{25}, e^{34} + e^{17}$	$67/597(2, 3, 5, 7, 8, 9, 10, 11, 12)$	$\{0, 23468\}$	
97642:19	$0, 0, e^{12}a_1, e^{13}, e^{23}, -(-1 + a_1)e^{14}, e^{15} + e^{24}, e^{16}, e^{17} + e^{26} + e^{34}$	$1/281(47, 121, 168, 215, 289, 262, 336, 309, 383)$	$\{0, 124589, 13569, 23468\}$	
97642:20	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{34} + e^{26}, e^{35} + e^{27}$	$1/83(21, 23, 44, 65, 67, 86, 88, 109, 111)$	$\{0, 124589, 13568, 23469\}$	
97642:21	$0, 0, -e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{14}, e^{35} + e^{26}, e^{27} + e^{16}$	$1/83(21, 23, 44, 65, 67, 88, 86, 111, 109)$	$\{0, 124589, 13579, 23478\}$	
97642:22a	$0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{25} + e^{14}, e^{34} + e^{16}, e^{35} + e^{17}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	
97642:22b	$0, 0, e^{12}, -e^{13}, e^{23}, -e^{15} + e^{24}, e^{25} + e^{14}, e^{16} + e^{34}, e^{17} + e^{35}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	
97642:23a	$0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{25} + e^{14}, e^{16} + e^{34}, e^{17} + e^{26}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	
97642:23b	$0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{24}, e^{25} - e^{14}, e^{16} + e^{34}, e^{17} + e^{26}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	
97642:24a	$0, 0, e^{12}, e^{13}, e^{23}, -e^{14} + e^{25}, e^{15} + e^{24}, e^{26} + e^{34}, e^{16} + e^{27}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13568, 23469\}$	
97642:24b	$0, 0, -e^{12}, e^{13}, e^{23}, e^{25} + e^{14}, e^{15} + e^{24}, e^{34} + e^{26}, e^{27} + e^{16}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13568, 23469\}$	
97642:26	$0, 0, e^{12}a_1, e^{13}, e^{23}, -(-1 + a_1)e^{14}, e^{24} + e^{15}, e^{25} + e^{16}, e^{26} + e^{34} + e^{17}$	$67/597(2, 3, 5, 7, 8, 9, 10, 11, 12)$	$\{0, 23468\}$	
97642:30	$0, 0, -a_3e^{12}, a_3e^{13}, e^{23}, a_3e^{15} + e^{24}, (1 + a_3)e^{14}, e^{35} + e^{26}, e^{27} + e^{16} + e^{34}$	$1/83(21, 23, 44, 65, 67, 88, 86, 111, 109)$	$\{0, 124589, 13579, 23478\}$	
97642:31a	$0, 0, e^{12}a_1, -(-1 + a_1)e^{13}, e^{23}, e^{24} - (-1 + a_1)e^{15}, e^{25} + e^{14}, e^{16}a_1 + e^{34}, e^{26} + e^{35} + e^{17}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	
97642:31b	$0, 0, e^{12}a_1, -(-1 + a_1)e^{13}, e^{23}, e^{24} - (-1 + a_1)e^{15}, e^{25} - e^{14}, e^{16}a_1 + e^{34}, e^{26} + e^{17} + e^{35}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	
97642:32a	$0, 0, e^{12}, (-1 + a_4)e^{13}, e^{23}, e^{25}a_4 - e^{14}, (-1 + a_4)e^{15} + e^{24}, e^{26} + e^{34}, e^{16} + e^{27} + e^{35}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13568, 23469\}$	
97642:32b	$0, 0, -e^{12}, (1 + a_4)e^{13}, e^{23}, e^{25}a_4 + e^{14}, (1 + a_4)e^{15} + e^{24}, e^{26} + e^{34}, e^{27} + e^{16} + e^{35}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13568, 23469\}$	
97642:33a	$0, 0, -(-1 + a_2)e^{12}, e^{13}, e^{23}, a_2e^{14} + e^{25}, e^{15} + e^{24}, e^{16} + e^{27}, e^{17} + e^{26} + e^{34}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13569, 23468\}$	
97642:33b	$0, 0, -(-1 + a_2)e^{12}, -e^{13}, e^{23}, a_2e^{14} + e^{25}, -e^{15} + e^{24}, e^{27} - e^{16}, e^{17} + e^{26} + e^{34}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13569, 23468\}$	
97642:36a	$0, 0, e^{12}a_1, e^{13}, e^{23}, -(-1 + a_1)(e^{15} + e^{24}), -(a_4a_1 - a_4 + a_1)e^{14} + e^{25}, e^{16}a_4 + e^{27} + e^{34}, e^{26} + e^{35} + e^{17}$	$14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{0, 124589, 13578, 23479\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
97642:36b	$0, 0, e^{12}a_1, -e^{13}, e^{23}, -(1 + a_1)(e^{15} - e^{24}),$ $e^{14}(a_4a_1 - a_4 - a_1) + e^{25}, e^{16}a_4 + e^{27} + e^{34}, e^{17} + e^{26} + e^{35}$	14/53(1, 1, 2, 3, 3, 4, 4, 5, 5)	{0, 124589, 13578, 23479}	
9654321:4	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{16}, e^{17} + e^{23}, e^{18} + e^{34}$	1/9(1, 6, 5, 7, 8, 9, 10, 11, 12)	{0, 123579, 13468, 2456789}	
9654321:5	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{23} + e^{16}, e^{34} + e^{17}, e^{35} + e^{18}$	1/9(1, 6, 4, 7, 8, 9, 10, 11, 12)	{0, 12579, 1468, 2456789}	
9654321:7	$0, 0, 0, -e^{12}, e^{14}, e^{23} + e^{15}, e^{34} + e^{16}, e^{35} + e^{17}, e^{36} + e^{18}$	1/19(2, 13, 6, 15, 17, 19, 21, 23, 25)	{0, 123579, 13468, 2456789}	
9654321:10	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{23} + e^{16}, e^{17} + e^{34}, e^{35} + e^{24} + e^{18}$	61/493(1, 5, 4, 6, 7, 8, 9, 10, 11)	{0, 12579}	
9654321:12	$0, 0, 0, -e^{12}, -e^{14}, e^{15}, e^{16}, e^{17} + e^{23}, e^{28} + e^{56} + e^{47}$	2/145(10, 33, 50, 43, 53, 63, 73, 83, 116)	{0, 123579, 134689, 245678}	
9654321:20	$0, 0, 0, -e^{12}, e^{14}, e^{23} + e^{15}, e^{16} + e^{34}, e^{17} + e^{35}, e^{18} + e^{36} + e^{24}$	10/81(1, 5, 3, 6, 7, 8, 9, 10, 11)	{0, 123579}	
9654321:24	$0, 0, 0, e^{12}, e^{14}, e^{15}, e^{16} + e^{24}, e^{17} + e^{25}, e^{45} + e^{18} + e^{23}$	49/317(1, 3, 6, 4, 5, 6, 7, 8, 9)	{0, 12579}	
9654321:29	$0, 0, 0, -e^{12}, e^{14}, e^{15} - e^{23}, e^{34} - e^{16}, e^{35} + e^{17}, e^{47} + e^{56} + e^{28}$	8/55(1, 3, 3, 4, 5, 6, 7, 8, 11)	{0, 123579, 134689, 245678}	
9654321:41	$0, 0, 0, -e^{12}, e^{14}, e^{23} + e^{15}, e^{16} + e^{34}, e^{35} + e^{24} + e^{17}, e^{36} + e^{25} + e^{18}$	53/381(1, 4, 3, 5, 6, 7, 8, 9, 10)	{0, 13468}	
9654321:45	$0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{35} + e^{16}, e^{36} + e^{17}, e^{37} + e^{18}$	1/11(1, 8, 2, 9, 10, 11, 12, 13, 14)	{0, 12579, 1468, 2456789}	
9654321:65	$0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15} + e^{34}, e^{16} + e^{35}, e^{17} + e^{36}, e^{18} + e^{24} + e^{37}$	59/481(1, 5, 2, 6, 7, 8, 9, 10, 11)	{0, 12579}	
9654321:78	$0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15} + e^{34}, e^{35} + e^{16}, e^{24} + e^{36} + e^{17}, e^{37} + e^{25} + e^{18}$	13/94(1, 4, 2, 5, 6, 7, 8, 9, 10)	{0, 1468}	
9654321:88	$0, 0, 0, -e^{12}, e^{14} + e^{23},$ $e^{15} + e^{34}, e^{16} + e^{24} + e^{35}, e^{25} + e^{17} + e^{36}, e^{37} + e^{26} + e^{18}$	3/19(1, 3, 2, 4, 5, 6, 7, 8, 9)	{0, 12579}	
965431:3	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{16}, e^{26} + e^{45}, e^{17} + e^{23}$	8/51(1, 3, 5, 4, 5, 6, 7, 9, 8)	{0, 123578, 134689, 245679}	
965431:6	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{23} + e^{16}, e^{26} + e^{45}, e^{17} + e^{34}$	1/369(62, 165, 248, 227, 289, 351, 413, 516, 475)	{0, 12578, 14689, 245679}	
965431:12	$0, 0, 0, -e^{12}, e^{14}, e^{15} + e^{23}, e^{34} + e^{16}, e^{45} + e^{26}, e^{17} + e^{35}$	2/23(2, 5, 6, 7, 9, 11, 13, 16, 15)	{0, 123578, 134689, 245679}	
965431:41	$0, 0, 0, -e^{12}, e^{14}, e^{15}, e^{23} + 2e^{16}, e^{45} + e^{26}, e^{46} + e^{27} + e^{18}$	1/36(7, 12, 28, 19, 26, 33, 40, 45, 52)	{0, 12578, 1468, 24567}	
965321:6	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15}, e^{17} + e^{23}, e^{18} + e^{34}$	1/441(74, 227, 296, 301, 375, 528, 449, 523, 597)	{0, 12568, 14679, 245789}	
965321:9	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{17} + e^{34}, e^{18} + e^{35}$	4/371(16, 47, 48, 63, 79, 110, 95, 111, 127)	{0, 123568, 134679, 245789}	
965321:10a	$0, 0, 0, e^{12}, e^{14}, e^{13} + e^{24}, e^{15}, e^{17}, e^{26} + e^{18} + e^{34}$	37/181(1, 2, 4, 3, 4, 5, 5, 6, 7)	{0, 12568, 14679, 245789}	
965321:10b	$0, 0, 0, e^{12}, -e^{14}, e^{24} + e^{13}, e^{15}, e^{17}, e^{18} + e^{26} + e^{34}$	37/181(1, 2, 4, 3, 4, 5, 5, 6, 7)	{0, 12568, 14679, 245789}	
965321:11a	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15}, e^{17} + e^{23}, e^{18} + e^{26} + e^{34}$	37/181(1, 2, 4, 3, 4, 5, 5, 6, 7)	{0, 12568, 14679, 245789}	
965321:11b	$0, 0, 0, -e^{12}, -e^{14}, e^{24}, e^{15}, e^{17} + e^{23}, e^{34} + e^{18} + e^{26}$	37/181(1, 2, 4, 3, 4, 5, 5, 6, 7)	{0, 12568, 14679, 245789}	
965321:16a	$0, 0, 0, (-1 + a_2)e^{12}, e^{14}, e^{13}a_2 + e^{24}, e^{15}, e^{23} + e^{17}, e^{18} + e^{26} + e^{34}$	37/181(1, 2, 4, 3, 4, 5, 5, 6, 7)	{0, 12568, 14679, 245789}	
965321:16b	$0, 0, 0, (-1 + a_2)e^{12}, -e^{14}, e^{13}a_2 + e^{24}, e^{15}, e^{17} + e^{23}, e^{18} + e^{26} + e^{34}$	37/181(1, 2, 4, 3, 4, 5, 5, 6, 7)	{0, 12568, 14679, 245789}	
965321:18a	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{17} + e^{34}, e^{26} + e^{18} + e^{35}$	6/29(1, 2, 3, 3, 4, 5, 5, 6, 7)	{0, 123568, 134679, 245789}	
965321:18b	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{23} - e^{15}, e^{17} + e^{34}, e^{18} + e^{26} + e^{35}$	6/29(1, 2, 3, 3, 4, 5, 5, 6, 7)	{0, 123568, 134679, 245789}	
965321:32	$0, 0, 0, e^{12}, e^{24} + e^{13}, e^{14}, e^{34} + e^{25}, e^{35} + e^{27}, e^{28} + e^{37}$	1/107(55, 18, 36, 73, 91, 128, 109, 127, 145)	{0, 12568, 145789, 24679}	
965321:33	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{23} + e^{15}, e^{17} + e^{26}, e^{35} + e^{46} + e^{18}$	32/279(2, 3, 6, 5, 7, 8, 9, 11, 13)	{0, 245789}	
965321:35	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{26} + e^{34} - e^{17}, e^{35} + e^{18} + e^{46}$	32/279(2, 3, 6, 5, 7, 8, 9, 11, 13)	{0, 245789}	
965321:36	$0, 0, 0, e^{12}, 2e^{14}, e^{13} + e^{24}, e^{15}, e^{17} + e^{34} + e^{26}, e^{18} + e^{46} + e^{35}$	32/279(2, 3, 6, 5, 7, 8, 9, 11, 13)	{0, 245789}	
965321:38	$0, 0, 0, e^{12}, (2 + a_4)e^{14},$ $e^{24} + (1 + a_4)e^{13}, e^{15} + e^{23}, a_4e^{17} + e^{26} + e^{34}, e^{18} + e^{35} + e^{46}$	32/279(2, 3, 6, 5, 7, 8, 9, 11, 13)	{0, 245789}	
965321:40a	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14}, e^{34} + e^{25}, e^{35} + e^{27}, e^{37} + e^{28} + e^{16}$	35/169(2, 1, 2, 3, 4, 5, 5, 6, 7)	{0, 12568, 145789, 24679}	
965321:40b	$0, 0, 0, e^{12}, e^{24} + e^{13}, -e^{14}, e^{34} + e^{25}, e^{35} + e^{27}, e^{28} + e^{37} + e^{16}$	35/169(2, 1, 2, 3, 4, 5, 5, 6, 7)	{0, 12568, 145789, 24679}	
965321:45	$0, 0, 0, -e^{12}, e^{24} - e^{13}, e^{14}, e^{25} + e^{34}, e^{35} + e^{27} + e^{16}, e^{37} + e^{46} + e^{28}$	31/269(3, 2, 4, 5, 7, 8, 9, 11, 13)	{0, 145789}	
964321:16	$0, 0, 0, a_1e^{12}, (1 + a_1)e^{13}, e^{14}, e^{16}, e^{17} + e^{23}, e^{25} + e^{18} + e^{34}$	1/119(20, 69, 80, 89, 100, 109, 129, 149, 169)	{0, 12568, 14579, 246789}	
964321:17	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{17} + e^{24}, e^{18} + e^{26}$	1/401(68, 204, 367, 272, 435, 340, 408, 476, 544)	{0, 12368, 12568, 35}	
964321:21	$0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{23} + e^{16}, -2e^{17} + e^{25} + e^{34}, e^{45} + e^{18}$	1/87(16, 47, 48, 63, 64, 79, 95, 111, 127)	{0, 12368, 13479, 246789}	
964321:24	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16}, e^{24} + e^{17}, e^{26} + e^{18} + e^{35}$	14/155(2, 6, 7, 8, 9, 10, 12, 14, 16)	{0, 35}	
964321:25	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27} + e^{14}, e^{16} + e^{28} + e^{35}$	42/473(6, 2, 5, 8, 11, 10, 12, 14, 16)	{0, 35}	
964321:29	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16} + e^{23}, e^{17} + e^{25}, e^{45} + e^{36} + e^{18}$	1/87(16, 47, 48, 63, 64, 79, 95, 111, 127)	{0, 12368, 13479, 246789}	
964321:31	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{16}, e^{34} + e^{17} + e^{25}, e^{45} + e^{36} + e^{18}$	1/87(16, 47, 48, 63, 64, 79, 95, 111, 127)	{0, 12368, 13479, 246789}	
964321:39	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{26} + e^{14}, e^{27} + e^{16}, e^{28} + e^{46}$	1/71(28, 14, 57, 42, 85, 56, 70, 84, 98)	{0, 234579, 2479, 35}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
964321:45	$0, 0, 0, e^{12}, (1 + a_4)e^{13},$ $(2 + a_4)e^{14}, e^{16} + e^{23}, e^{34} + e^{25} + a_4e^{17}, e^{18} + e^{36} + e^{45}$	1/87(16, 47, 48, 63, 64, 79, 95, 111, 127)	{0, 12368, 13479, 246789}	
964321:47a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{16}, e^{17} + e^{26}, e^{35} + e^{46} + e^{18}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 13479, 14579, 35}	
964321:47b	$0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{24} + e^{16}, e^{26} + e^{17}, e^{35} + e^{18} + e^{46}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 13479, 14579, 35}	
964321:48	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14} + e^{26}, e^{27} + e^{16}, e^{28} + e^{46} + e^{35}$	35/333(4, 2, 5, 6, 9, 8, 10, 12, 14)	{0, 35}	
964321:49a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{16} + e^{24}, e^{26} + e^{17}, e^{27} + e^{18} + e^{35}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 13479, 14579, 35}	
964321:49b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{16}, e^{17} + e^{26}, e^{27} + e^{18} + e^{35}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 13479, 14579, 35}	
964321:64	$0, 0, 0, a_1e^{12}, e^{13},$ $e^{14}, -(-1 + a_1)e^{16} + e^{24}, e^{26} + e^{17}, e^{18} + e^{46} + e^{27}$	1/281(56, 112, 253, 168, 309, 224, 280, 336, 392)	{0, 13479, 14579, 35}	
964321:65	$0, 0, 0, a_1e^{12}, e^{13},$ $e^{24}, -(-1 + a_1)e^{14} + e^{26}, -(-1 + a_1)e^{16} + e^{27}, e^{17} + e^{46} + e^{28}$	1/71(28, 14, 57, 42, 85, 56, 70, 84, 98)	{0, 234579, 2479, 35}	
964321:68a	$0, 0, 0, -(-1 + a_3)e^{12}, e^{13}, e^{14}, e^{16}a_3 + e^{24}, e^{17} + e^{26}, e^{18} + e^{27} + e^{46} + e^{35}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 13479, 14579, 35}	
964321:68b	$0, 0, 0, -(-1 + a_3)e^{12}, -e^{13}, e^{14}, e^{16}a_3 + e^{24}, e^{17} + e^{26}, e^{27} + e^{18} + e^{35} + e^{46}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 13479, 14579, 35}	
964321:69	$0, 0, 0, a_1e^{12}, e^{13},$ $e^{24}, -(-1 + a_1)e^{14} + e^{26}, -(-1 + a_1)e^{16} + e^{27}, e^{28} + e^{17} + e^{35} + e^{46}$	35/333(4, 2, 5, 6, 9, 8, 10, 12, 14)	{0, 35}	
97641:1	$0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{24} + e^{15}, e^{16}$	1/151(34, 53, 87, 121, 140, 155, 193, 174, 189)	{0, 12459, 13567, 234679}	
97641:2	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{25}, e^{24} + e^{15}, e^{26} + e^{34}$	1/309(77, 96, 173, 250, 269, 327, 365, 346, 423)	{0, 12459, 135679, 23467}	
97641:3	$0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{24}, e^{14}, e^{25}, e^{34} + e^{16}$	1/309(77, 96, 173, 250, 269, 346, 327, 365, 423)	{0, 12459, 135789, 23478}	
97641:6	$0, 0, a_1e^{12}, e^{13}, e^{23}, -e^{14}(-1 + a_1), e^{15} + e^{24}, e^{25}, e^{17} + e^{26} + e^{34}$	1/309(77, 96, 173, 250, 269, 327, 346, 365, 423)	{0, 12459, 135689, 23468}	
97641:7a	$0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{25}, e^{27} + e^{16} + e^{35}$	27/97(1, 1, 2, 3, 3, 4, 4, 4, 5)	{0, 12459, 13568, 234689}	
97641:7b	$0, 0, -e^{12}, e^{13}, e^{23}, -e^{14}, e^{15} + e^{24}, e^{25}, e^{16} + e^{35} + e^{27}$	27/97(1, 1, 2, 3, 3, 4, 4, 4, 5)	{0, 12459, 13568, 234689}	
96532:2	$0, 0, 0, -e^{12}, e^{14}, e^{24} + e^{13}, e^{15}, e^{17}, e^{45} + e^{27}$	1/373(57, 181, 362, 238, 295, 419, 352, 409, 533)	{0, 125689, 14679, 24578}	
96532:4	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15}, e^{23} + e^{17}, e^{45} + e^{27}$	1/417(85, 171, 340, 256, 341, 427, 426, 511, 597)	{0, 125689, 14679, 24578}	
96532:12	$0, 0, 0, -e^{12}, e^{14}, e^{13} + e^{24}, e^{15} + e^{23}, e^{27} + e^{45}, e^{26} + e^{17}$	63/533(2, 3, 6, 5, 7, 8, 9, 12, 11)	{0, 24579}	
96532:14	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{27} + e^{45}, e^{17} + e^{26} + e^{34}$	63/533(2, 3, 6, 5, 7, 8, 9, 12, 11)	{0, 24579}	
96532:15	$0, 0, 0, -e^{12}a_3, e^{14},$ $-(-1 + a_3)e^{13} + e^{24}, e^{23} + e^{15}a_3, e^{45} + e^{27}, e^{34} + e^{17} + e^{26}$	63/533(2, 3, 6, 5, 7, 8, 9, 12, 11)	{0, 24579}	
96532:20	$0, 0, 0, e^{12}, e^{24} + e^{13}, 2e^{14}, e^{25} + e^{34}, e^{27} + e^{35}, e^{45} + e^{36} + e^{17}$	1/261(99, 59, 118, 158, 217, 257, 276, 335, 375)	{0, 125689, 14578, 24679}	
96532:23	$0, 0, 0, e^{12}, e^{24} + e^{13}, 2e^{14}, e^{25} + e^{34}, e^{27} + e^{16} + e^{35}, e^{17} + e^{36} + e^{45}$	61/513(3, 2, 4, 5, 7, 8, 9, 11, 12)	{0, 14578}	
96532:34	$0, 0, 0, e^{12}, -e^{14}, e^{24} - e^{13}, -e^{16} + e^{25}, e^{45} + e^{17}, e^{46} + e^{27} + e^{35}$	2/11(1, 2, 4, 3, 4, 5, 6, 7, 8)	{0, 125689, 1468, 2459}	
96532:38a	$0, 0, 0, e^{12}, -e^{13} + 3e^{24},$ $e^{14} + 2e^{23}, -e^{16} + e^{34} + e^{25}, e^{17} + e^{45}, e^{46} + e^{35} + e^{27}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 14579, 24678}	
96532:38b	$0, 0, 0, e^{12}, 3e^{24} - e^{13}, 2e^{23} - e^{14}, -e^{16} + e^{25} + e^{34}, e^{45} + e^{17}, e^{35} + e^{46} + e^{27}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 14579, 24678}	
96532:40a	$0, 0, 0, e^{12}, e^{14} + e^{23}, e^{24} - e^{13}, e^{26} - e^{15}, e^{46} - e^{35} + e^{17}, e^{45} + e^{36} + e^{27}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 14679, 24578}	
96532:40b	$0, 0, 0, e^{12}, -e^{14} + e^{23}, -e^{13} + e^{24}, e^{26} - e^{15}, e^{17} + e^{46} + e^{35}, e^{45} + e^{27} + e^{36}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 14679, 24578}	
96532:41a	$0, 0, 0, e^{12}, -e^{24} + e^{13}, e^{23} + e^{14}, e^{26} - e^{15}, e^{17} + e^{46} - e^{35}, e^{27} + e^{36} + e^{45}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 1458, 2469}	
96532:41b	$0, 0, 0, e^{12}, e^{24} - e^{13}, e^{23} - e^{14}, -e^{15} + e^{26}, e^{17} + e^{35} + e^{46}, e^{27} + e^{36} + e^{45}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 1458, 2469}	
96532:42a	$0, 0, 0, e^{12}, e^{14}, e^{13} + e^{24}, -e^{15} + e^{26} + e^{34}, e^{17} + 2e^{35} + e^{46}, e^{36} + e^{27} + e^{45}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 14679, 24578}	
96532:42b	$0, 0, 0, e^{12}, -e^{14}, e^{13} + e^{24}, e^{26} - e^{15} + e^{34}, e^{17} + e^{46} - 2e^{35}, e^{27} + e^{45} + e^{36}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 14679, 24578}	
96532:43a	$0, 0, 0,$ $e^{12}, a_4e^{23} + e^{14}, -e^{13}(-1 + a_4) + (1 + a_4)e^{24},$ $-e^{15} + e^{34} + e^{26}, e^{17} + e^{46} - (-2 + a_4)e^{35}, e^{27} + e^{36} + e^{45}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 14679, 24578}	
96532:43b	$0, 0, 0,$ $e^{12}, a_4e^{23} - e^{14}, -e^{13}(-1 + a_4) + (1 + a_4)e^{24},$ $-e^{15} + e^{26} + e^{34}, e^{46} + e^{17} + (-2 + a_4)e^{35}, e^{36} + e^{45} + e^{27}$	13/47(1, 1, 2, 2, 3, 3, 4, 5, 5)	{0, 125689, 14679, 24578}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
96531:5	$0, 0, 0,$ $e^{12}, e^{14}, e^{24} + e^{13},$ $e^{15}, e^{26} + e^{34}, e^{17}$	1/501(106, 201, 402, 307, 413, 508, 519, 709, 625)	{0, 12569, 14678, 245789}	
96531:8	$0, 0, 0, e^{12}, e^{14}, e^{13} + e^{24}, e^{15}, e^{25} + e^{16}, e^{17}$	1/178(31, 86, 172, 117, 148, 203, 179, 234, 210)	{0, 12569, 1467, 24579}	
96531:9	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{26}, e^{34} + e^{17}$	2/177(23, 30, 69, 53, 76, 83, 99, 113, 122)	{0, 123569, 134678, 245789}	
96531:10	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{16} + e^{25}, e^{17} + e^{23}$	3/14(1, 2, 4, 3, 4, 5, 5, 6, 6)	{0, 12569, 1467, 24579}	
96531:12	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15}, e^{26} + e^{13}, e^{27} + e^{45}$	2/491(61, 80, 240, 141, 202, 221, 263, 301, 343)	{0, 123569, 146789, 234578}	
96531:15	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{26}, e^{45} + e^{27}$	1/223(64, 65, 192, 129, 193, 194, 257, 259, 322)	{0, 123569, 1346789, 24578}	
96531:19	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{16} + e^{25}, e^{17} + e^{34}$	1/47(11, 19, 33, 30, 41, 49, 52, 60, 63)	{0, 123569, 13467, 24579}	
96531:21	$0, 0, 0, -e^{12}, e^{14}, -e^{13} + e^{24}, e^{15}, e^{34} + e^{26}, e^{27} + e^{45}$	1/361(79, 134, 268, 213, 292, 347, 371, 481, 505)	{0, 12569, 146789, 24578}	
96531:24	$0, 0, 0, -e^{12}, e^{14}, e^{13} + e^{24}, e^{15}, e^{25} + e^{16}, e^{27} + e^{45}$	1/128(22, 57, 114, 79, 101, 136, 123, 158, 180)	{0, 12569, 14679, 2457}	
96531:25	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{16} + e^{25}, e^{27} + e^{45}$	1/71(19, 23, 57, 42, 61, 65, 80, 84, 103)	{0, 123569, 134679, 2457}	
96531:26	$0, 0, 0, -e^{12}, e^{14}, e^{24} - e^{13}, e^{15} + e^{23}, e^{26} + e^{34}, e^{27} + e^{45}$	63/533(2, 3, 6, 5, 7, 8, 9, 11, 12)	{0, 24578}	
96531:29	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14}, e^{34} + e^{25}, e^{16}, e^{35} + e^{27}$	5/441(29, 24, 48, 53, 77, 82, 101, 111, 125)	{0, 12569, 145789, 24678}	
96531:30	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{23} + e^{15}, e^{16} + e^{25}, e^{17} + e^{26} + e^{34}$	61/489(2, 3, 6, 5, 7, 8, 9, 10, 11)	{0, 24579}	
96531:31	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{15}, e^{25} + e^{16}, e^{26} + e^{34} + e^{17}$	61/489(2, 3, 6, 5, 7, 8, 9, 10, 11)	{0, 24579}	
96531:32	$0, 0, 0, -e^{12}, e^{14}, e^{13} + e^{24}, e^{15} + e^{23}, e^{25} + e^{16}, e^{45} + e^{27}$	31/256(2, 3, 6, 5, 7, 8, 9, 10, 12)	{0, 2457}	
96531:36	$0, 0, 0, a_1 e^{12}, e^{14}, e^{24} + (1 + a_1) e^{13}, e^{15} + e^{23}, e^{16} + e^{25}, e^{17} + e^{26} + e^{34}$	61/489(2, 3, 6, 5, 7, 8, 9, 10, 11)	{0, 24579}	
96531:38	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14}, e^{25} + e^{34}, e^{26} + e^{15}, e^{27} + e^{35}$	1/33(13, 8, 16, 21, 29, 34, 37, 42, 45)	{0, 12569, 14579, 2467}	
96531:39	$0, 0, 0, e^{12}, e^{24} + e^{13}, 2e^{14}, e^{34} + e^{25}, e^{16}, e^{36} + e^{45} + e^{17}$	1/341(92, 107, 214, 199, 306, 291, 413, 383, 505)	{0, 12569, 14578, 246789}	
96531:44	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14}, e^{34} + e^{25}, e^{26} + e^{15}, e^{27} + e^{35} + e^{16}$	59/469(3, 2, 4, 5, 7, 8, 9, 10, 11)	{0, 14579}	
96531:46	$0, 0, 0, e^{24} + e^{13}, 2e^{14}, e^{25} + e^{34}, 2e^{15} + e^{26}, e^{17} + e^{36} + e^{45}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1457, 24679}	
96531:52	$0, 0, 0, -e^{12}, e^{14}, e^{24}, e^{16} + e^{25}, e^{23} + e^{15}, e^{46} + e^{27}$	1/123(39, 31, 117, 70, 109, 101, 140, 148, 171)	{0, 123569, 13468, 24589}	
96531:64	$0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14}, e^{26} + e^{15}, e^{34} + e^{25}, e^{46} + e^{17}$	1/33(7, 12, 24, 19, 31, 26, 38, 43, 45)	{0, 12569, 14589, 2468}	
96531:66	$0, 0, 0, -e^{12}, e^{14}, e^{24} + e^{13}, e^{16} + e^{25}, e^{15}, e^{46} + e^{27} + e^{35}$	1/46(11, 16, 32, 27, 38, 43, 54, 49, 70)	{0, 12569, 1468, 24589}	
96531:70	$0, 0, 0, -e^{12}, -e^{13} - e^{24}, -e^{14}, e^{26} + e^{15}, e^{25} + e^{34}, e^{45} + e^{27} + e^{36}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1458, 24689}	
96531:73a	$0, 0, 0, e^{12}, -e^{14} - e^{23}, e^{24} - e^{13}, -e^{16} + e^{25}, e^{15} + e^{34}, e^{27} + e^{35} + e^{46}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1468, 24589}	
96531:73b	$0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{13} + e^{24}, e^{25} + e^{16}, e^{15} + e^{34}, e^{27} + e^{46} + e^{35}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1468, 24589}	
96531:74a	$0, 0, 0, e^{12}, -e^{13} + e^{24}, e^{14} + e^{23}, -2e^{16} + e^{34} + e^{25}, e^{15} + e^{26}, e^{17} + e^{45}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1457, 24679}	
96531:74b	$0, 0, 0, e^{12}, e^{24} - e^{13}, e^{23} - e^{14}, -2e^{16} + e^{25} + e^{34}, -e^{15} + e^{26}, e^{45} + e^{17}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1457, 24679}	
96531:78a	$0, 0, 0, e^{12}, e^{14} + e^{23}, e^{24} + e^{13}, e^{16} + e^{25}, e^{15} + e^{26}, e^{17} + e^{36} + e^{45}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 14689, 2458}	
96531:78b	$0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{13} + e^{24}, e^{25} - e^{16}, e^{26} + e^{15}, e^{17} + e^{45} + e^{36}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 14689, 2458}	
96531:79a	$0, 0, 0, e^{12}, e^{24} + e^{13}, e^{23} + e^{14}, e^{25} + e^{16}, e^{26} + e^{15}, e^{36} + e^{45} + e^{17}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1457, 24679}	
96531:79b	$0, 0, 0, e^{12}, -e^{24} - e^{13}, e^{23} - e^{14}, -e^{16} + e^{25}, e^{15} + e^{26}, e^{36} + e^{45} + e^{17}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1457, 24679}	
96531:81a	$0, 0, 0, e^{12}, e^{14}, e^{24} + e^{13}, e^{26} + e^{34} - e^{15}, e^{16} + e^{25}, e^{27} + e^{36} + e^{45}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 14679, 2457}	
96531:81b	$0, 0, 0, -e^{12}, e^{14}, e^{24} - e^{13}, e^{15} + e^{26} + e^{34}, e^{16} + e^{25}, e^{27} + e^{36} + e^{45}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 14679, 2457}	
96531:82a	$0, 0, 0, e^{12}, (1 + a_4) e^{13} + e^{24},$ $e^{14} + e^{23}, e^{15} + e^{26}, a_4 e^{16} + e^{25} + e^{34}, e^{17} + e^{35} + e^{46}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 14589, 2468}	
96531:82b	$0, 0, 0, e^{12}, (1 + a_4) e^{13} + e^{24},$ $-e^{14} + e^{23}, e^{26} - e^{15}, a_4 e^{16} + e^{34} + e^{25}, e^{46} + e^{35} + e^{17}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 14589, 2468}	
96531:83a	$0, 0, 0, e^{12}, (1 + a_4) e^{13} + (2 + a_4) e^{24},$ $(2 + a_4) e^{14} + e^{23}, a_4 e^{16} + e^{34} + e^{25}, e^{26} + e^{15}, e^{36} + e^{45} + e^{17}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1457, 24679}	
96531:83b	$0, 0, 0,$ $e^{12}, -e^{13}(-1 + a_4) + (-2 + a_4) e^{24}, -(-2 + a_4) e^{14} + e^{23},$ $-a_4 e^{16} + e^{25} + e^{34}, -e^{15} + e^{26}, e^{36} + e^{45} + e^{17}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1457, 24679}	
96531:87	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{13} + e^{26}, e^{34} + e^{17} + e^{28}$	13/45(1, 1, 3, 2, 3, 3, 4, 4, 5)	{0, 123569}	
96531:89	$0, 0, 0, (-1 + a_2) e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{13} a_2 + e^{26}, e^{28} + e^{17} + e^{34}$	13/45(1, 1, 3, 2, 3, 3, 4, 4, 5)	{0, 123569}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
96531:94	$0, 0, 0, a_1 e^{12}, e^{14}, e^{24}, -e^{15}(-1 + a_1) + e^{23}, e^{25} + e^{16}, e^{18} + e^{27} + e^{45}$	$1/71(19, 23, 57, 42, 61, 65, 80, 84, 103)$	$\{\emptyset, 123569, 134679, 2457\}$	
96531:96	$0, 0, 0, e^{12}, e^{24} + e^{13}, e^{14}, e^{25} + e^{34}, e^{16}, e^{35} + e^{27} + e^{18}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569\}$	
96531:98	$0, 0, 0, a_1 e^{12}, e^{14}, e^{24} + e^{13}, -e^{15}(-1 + a_1), e^{25} + e^{16}, e^{18} + e^{45} + e^{27}$	$1/128(22, 57, 114, 79, 101, 136, 123, 158, 180)$	$\{\emptyset, 12569, 14679, 2457\}$	
96531:100	$0, 0, 0, e^{12}, e^{24} + e^{13}, e^{14}, e^{25} + e^{34}, e^{15} + e^{26}, e^{28} + e^{17} + e^{36}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1457, 24679\}$	
96531:101	$0, 0, 0, -e^{12}(-1 + a_3), e^{14}, e^{24} + e^{13}, e^{23} + a_3 e^{15}, e^{16} + e^{25}, e^{45} + e^{18} + e^{27}$	$31/256(2, 3, 6, 5, 7, 8, 9, 10, 12)$	$\{\emptyset, 2457\}$	
96531:102	$0, 0, 0, -e^{12}, -e^{13} + e^{24}, 2e^{14}, e^{25} + e^{34}, e^{26} + 2e^{15}, e^{17} + e^{28} + e^{45}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1457, 24679\}$	
96531:106a	$0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{24} - e^{13}, -e^{15} + e^{34}, -e^{16} + e^{25}, e^{28} + e^{17} + e^{46}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1467, 24579\}$	
96531:106b	$0, 0, 0, -e^{12}, e^{14} + e^{23}, -e^{13} + e^{24}, e^{34} + e^{15}, e^{25} + e^{16}, e^{46} + e^{17} + e^{28}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1467, 24579\}$	
96531:108a	$0, 0, 0, e^{12}, e^{24} + e^{13}, e^{14}, e^{26} + e^{15}, e^{25} + e^{34} + e^{16}, e^{28} + e^{35} + e^{17}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14589, 2468\}$	
96531:108b	$0, 0, 0, e^{12}, e^{13} + e^{24}, -e^{14}, e^{26} - e^{15}, e^{25} + e^{16} + e^{34}, e^{17} + e^{35} + e^{28}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14589, 2468\}$	
96531:109	$0, 0, 0, e^{12}(-1 + a_3), e^{13}(-1 + a_3) - \frac{a_3 e^{24}}{-2 + a_3},$ $a_3 e^{14}, e^{34} + e^{25}, -(-2 + a_3)e^{15} + e^{26}, e^{17} + e^{28} + e^{36} + e^{45}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1457, 24679\}$	
96531:110a	$0, 0, 0, e^{12}, e^{24} + e^{13}, e^{14}, e^{25} + e^{34}, e^{15} + e^{26}, e^{27} + e^{18} + e^{35} + e^{46}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14579, 2467\}$	
96531:110b	$0, 0, 0, e^{12}, e^{24} + e^{13},$ $-e^{14}, e^{25} + e^{34}, -e^{15} + e^{26}, e^{46} + e^{18} + e^{27} + e^{35}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14579, 2467\}$	
96531:112a	$0, 0, 0, a_1 e^{12}, e^{24} + (1 + a_1)e^{13},$ $e^{23} + e^{14}, e^{15} + e^{26}, e^{16} + e^{25} + e^{34}, e^{35} + e^{28} + e^{17}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14589, 2468\}$	
96531:112b	$0, 0, 0, a_1 e^{12}, e^{24} + (1 + a_1)e^{13},$ $-e^{14} + e^{23}, e^{26} - e^{15}, e^{25} + e^{34} + e^{16}, e^{35} + e^{17} + e^{28}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14589, 2468\}$	
96531:113a	$0, 0, 0, -e^{12}a_5, (e^{14} + e^{23})a_5,$ $e^{24} + (-1 + a_5)e^{13}, e^{34} + e^{15}, e^{16}a_5 + e^{25}, e^{17} + e^{28} + e^{46} + e^{35}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1467, 24579\}$	
96531:113b	$0, 0, 0, e^{12}a_5, -(e^{14} - e^{23})a_5,$ $e^{24} - e^{13}(1 + a_5), -e^{15} + e^{34}, -e^{16}a_5 + e^{25}, e^{28} + e^{46} + e^{35} + e^{17}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1467, 24579\}$	
96531:115a	$0, 0, 0, -e^{12}(-1 + a_3), -e^{13} + e^{24},$ $(-2 + a_3)e^{23} + a_3 e^{14}, e^{26} + a_3 e^{15}, e^{25} + e^{16} + e^{34}, e^{18} + e^{27} + e^{45}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1458, 24689\}$	
96531:115b	$0, 0, 0, -e^{12}(-1 + a_3), -e^{13} + e^{24},$ $-(-2 + a_3)e^{23} + a_3 e^{14}, e^{26} + a_3 e^{15}, -e^{16} + e^{34} + e^{25}, e^{18} + e^{27} + e^{45}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 1458, 24689\}$	
96531:116a	$0, 0, 0, -(-1 + a_2)e^{12}, e^{23} + e^{14},$ $e^{13}a_2 + e^{24}, e^{16} + e^{25}, e^{15}a_2 + e^{26}, e^{36} + e^{45} + e^{28} + e^{17}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14689, 2458\}$	
96531:116b	$0, 0, 0, -(-1 + a_2)e^{12}, -e^{14} + e^{23},$ $e^{13}a_2 + e^{24}, e^{25} - e^{16}, e^{15}a_2 + e^{26}, e^{28} + e^{45} + e^{36} + e^{17}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14689, 2458\}$	
96531:117a	$0, 0, 0, e^{12}a_2, e^{14},$ $e^{13}a_2 + e^{24}, e^{25} + e^{16}, -(-1 + a_2)e^{15} + e^{26} + e^{34}, e^{17} + e^{45} + e^{28} + e^{36}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14689, 2458\}$	
96531:117b	$0, 0, 0, e^{12}a_2, -e^{14},$ $e^{13}a_2 + e^{24}, -e^{16} + e^{25}, -(-1 + a_2)e^{15} + e^{26} + e^{34}, e^{17} + e^{28} + e^{36} + e^{45}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14689, 2458\}$	
96531:119a	$0, 0, 0,$ $a_1 e^{12}, (a_6 + a_1 - a_6 a_1)e^{13} + (1 + a_6)e^{24}, e^{14} + a_6 e^{23},$ $e^{26} + \frac{e^{15}}{1 + a_6}, -e^{16}(-1 + a_1) + e^{25} + e^{34}, e^{17} + e^{28} + e^{46} + e^{35}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14589, 2468\}$	
96531:119b	$0, 0, 0,$ $a_1 e^{12}, (a_6 + a_1 - a_6 a_1)e^{13} + (1 + a_6)e^{24}, -e^{14} + a_6 e^{23},$ $e^{26} - \frac{e^{15}}{1 + a_6}, -e^{16}(-1 + a_1) + e^{34} + e^{25}, e^{17} + e^{46} + e^{35} + e^{28}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569, 14589, 2468\}$	
96432:1	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{17}, e^{46} + e^{27}$	$1/31(4, 17, 29, 21, 33, 25, 29, 33, 46)$	$\{\emptyset, 123689, 125689, 13479, 14579, 2345678, 24678, 35\}$	
96432:2	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27}, e^{17} + e^{46}$	$1/124(56, 21, 96, 77, 152, 98, 119, 140, 175)$	$\{\emptyset, 123689, 125689, 134678, 145678, 234579, 2479, 35\}$	
96432:3a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{17}, e^{27} + e^{46} + e^{35}$	$1/67(8, 41, 49, 49, 57, 57, 65, 73, 106)$	$\{\emptyset, 123689, 125689, 13479, 14579, 2345678, 24678, 35\}$	
96432:3b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{16}, e^{17}, e^{27} + e^{46} + e^{35}$	$1/67(8, 41, 49, 49, 57, 57, 65, 73, 106)$	$\{\emptyset, 123689, 125689, 13479, 14579, 2345678, 24678, 35\}$	
96432:4	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27}, e^{17} + e^{35} + e^{46}$	$2/603(155, 49, 151, 204, 306, 253, 302, 351, 457)$	$\{\emptyset, 123689, 125689, 35\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
96432:8	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{17} + e^{23}, e^{46} + e^{27}$	1/473(95, 199, 380, 294, 475, 389, 484, 579, 683)	{0, 125689, 14579, 24678}	
96432:10	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{15} + e^{27}, e^{17} + e^{46}$	1/144(42, 37, 106, 79, 148, 116, 153, 190, 195)	{0, 123689, 134678, 2479}	
96432:11	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{17} + e^{24}, e^{27} + e^{46}$	2/87(7, 21, 40, 28, 47, 35, 42, 49, 63)	{0, 123689, 125689, 35}	
96432:13a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{17} + e^{23}, e^{46} + e^{35} + e^{27}$	22/129(1, 3, 4, 4, 5, 5, 6, 7, 9)	{0, 125689, 14579, 24678}	
96432:13b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{16}, e^{17} + e^{23}, e^{46} + e^{35} + e^{27}$	22/129(1, 3, 4, 4, 5, 5, 6, 7, 9)	{0, 125689, 14579, 24678}	
96432:15	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27} + e^{15}, e^{17} + e^{46} + e^{35}$	48/629(5, 3, 7, 8, 12, 11, 14, 17, 19)	{0, 123689}	
96432:18	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16} + e^{23}, e^{17} + e^{25}, e^{46} + e^{27}$	1/47(11, 17, 33, 28, 44, 39, 50, 61, 67)	{0, 123689, 13479, 24678}	
96432:24a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16}, e^{17} + e^{24}, e^{27} + e^{35} + e^{46}$	22/129(1, 3, 4, 4, 5, 5, 6, 7, 9)	{0, 123689, 125689, 35}	
96432:24b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{16}, e^{17} + e^{24}, e^{27} + e^{46} + e^{35}$	22/129(1, 3, 4, 4, 5, 5, 6, 7, 9)	{0, 123689, 125689, 35}	
96432:25a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26}, e^{27} + e^{14}, e^{46} + e^{35} + e^{17}$	22/131(3, 1, 3, 4, 6, 5, 6, 7, 9)	{0, 123689, 125689, 35}	✓
96432:25b	$0, 0, 0, e^{12}, -e^{13}, e^{24}, e^{26}, e^{14} + e^{27}, e^{35} + e^{46} + e^{17}$	22/131(3, 1, 3, 4, 6, 5, 6, 7, 9)	{0, 123689, 125689, 35}	✓
96432:26a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16} + e^{23}, e^{25} + e^{17}, e^{27} + e^{35} + e^{46}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 123689, 13479, 24678}	
96432:26b	$0, 0, 0, -e^{12}, e^{13}, -e^{14}, e^{23} + e^{16}, e^{17} + e^{25}, e^{27} + e^{46} + e^{35}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 123689, 13479, 24678}	
96432:32	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16} + e^{24}, e^{17} + e^{26}, e^{27} + e^{46}$	1/281(56, 112, 253, 168, 309, 224, 280, 336, 392)	{0, 13479, 14579, 35}	
96432:33	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{14}, e^{27} + e^{16}, e^{17} + e^{46}$	1/71(28, 14, 57, 42, 85, 56, 70, 84, 98)	{0, 234579, 2479, 35}	
96432:34	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14}, -(-1 + a_2)e^{16} + e^{23}, e^{17} + e^{25} + e^{34}, e^{46} + e^{27}$	1/47(11, 17, 33, 28, 44, 39, 50, 61, 67)	{0, 123689, 13479, 24678}	
96432:39a	$0, 0, 0, -e^{12}a_1, -(-1 + a_1)e^{13}, e^{14}, e^{16}a_1 + e^{23}, e^{34} + e^{17} + e^{25}, e^{46} + e^{35} + e^{27}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 123689, 13479, 24678}	
96432:39b	$0, 0, 0, -e^{12}a_1, -(-1 + a_1)e^{13}, -e^{14}, e^{16}a_1 + e^{23}, e^{17} + e^{34} + e^{25}, e^{46} + e^{35} + e^{27}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 123689, 13479, 24678}	
96432:42a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{16} + e^{24}, e^{17} + e^{26}, e^{27} + e^{46} + e^{35}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 13479, 14579, 35}	
96432:42b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{16} + e^{24}, e^{17} + e^{26}, e^{27} + e^{35} + e^{46}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 13479, 14579, 35}	
96432:43	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{26}, e^{16} + e^{27}, e^{46} + e^{17} + e^{35}$	35/333(4, 2, 5, 6, 9, 8, 10, 12, 14)	{0, 35}	
96432:58	$0, 0, 0, e^{12}, 2e^{13}, 3e^{14} - e^{23}, -e^{16} + e^{25} + e^{34}, e^{27} + e^{46}, e^{17} + e^{36} + e^{45}$	1/221(59, 67, 118, 126, 177, 185, 244, 311, 303)	{0, 125689, 14578, 24679}	
96421:11	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{16}, e^{18}$	1/109(16, 67, 76, 83, 92, 99, 159, 115, 131)	{0, 123679, 12569, 1348, 14578, 2345689, 246789, 357}	
96421:13	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26}, e^{28}$	1/109(67, 16, 59, 83, 126, 99, 142, 115, 131)	{0, 123679, 12569, 134689, 1456789, 23458, 2478, 357}	
96421:26	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{25}, e^{16}, e^{18} + e^{35}$	5/213(7, 27, 24, 34, 31, 41, 58, 48, 55)	{0, 123679, 12569, 357}	
96421:27a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26}, e^{28} + e^{35}$	1/37(22, 7, 14, 29, 36, 36, 43, 43, 50)	{0, 123679, 12569, 134689, 1456789, 23458, 2478, 357}	✓
96421:27b	$0, 0, 0, e^{12}, e^{13}, -e^{24}, e^{25} + e^{34}, e^{26}, e^{28} + e^{35}$	1/37(22, 7, 14, 29, 36, 36, 43, 43, 50)	{0, 123679, 12569, 134689, 1456789, 23458, 2478, 357}	✓
96421:28	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{23} + e^{16}, e^{18} + e^{25}$	1/17(3, 11, 9, 14, 12, 17, 21, 20, 23)	{0, 123679, 13478, 24689}	
96421:30	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{35}, e^{16}, e^{46} + e^{28}$	1/156(24, 81, 92, 105, 116, 129, 208, 153, 234)	{0, 123679, 125679, 134789, 145789, 234568, 2468, 35}	
96421:31	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{18} + e^{46}$	1/60(24, 13, 28, 37, 52, 50, 80, 63, 87)	{0, 123679, 125679, 134678, 145678, 234589, 2489, 35}	
96421:34	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{25}, e^{16}, e^{23} + e^{18}$	1/119(20, 69, 80, 89, 100, 109, 169, 129, 149)	{0, 12569, 14578, 246789}	
96421:41	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{26}, e^{15} + e^{28}$	2/123(26, 15, 34, 41, 60, 56, 75, 71, 86)	{0, 123679, 134689, 2478}	
96421:43	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16}, e^{25} + e^{18} + e^{34}$	1/17(3, 11, 9, 14, 12, 17, 21, 20, 23)	{0, 123679, 13478, 24689}	
96421:45	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{46} + e^{28}$	1/16(2, 9, 14, 11, 16, 13, 18, 15, 24)	{0, 123679, 12569, 134789, 14589, 2345678, 2468, 357}	
96421:46	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26}, e^{46} + e^{18}$	1/24(6, 7, 18, 13, 24, 20, 30, 27, 33)	{0, 123679, 12569, 134678, 14568, 2345789, 2489, 357}	
96421:47	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{35}, e^{16} + e^{23}, e^{28} + e^{46}$	3/32(2, 5, 6, 7, 8, 9, 14, 11, 16)	{0, 123679, 134789, 2468}	
96421:54	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{46} + e^{28}$	1/11(2, 5, 10, 7, 12, 9, 12, 11, 16)	{0, 123679, 125679, 134789, 145789, 234568, 2468, 35}	
96421:55	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{18} + e^{46}$	1/233(92, 51, 187, 143, 279, 194, 235, 245, 337)	{0, 123679, 125679, 13468, 14568, 2345789, 24789, 35}	
96421:59	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{16}, e^{24} + e^{18}$	1/217(39, 117, 152, 156, 191, 195, 308, 234, 273)	{0, 123679, 12569, 357}	
96421:60	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26}, e^{28} + e^{14}$	3/217(39, 13, 42, 52, 81, 65, 94, 78, 91)	{0, 123679, 12569, 357}	
96421:62	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{23} + e^{16}, e^{25} + e^{18}$	1/123(29, 57, 87, 86, 116, 115, 143, 144, 173)	{0, 123679, 13478, 24689}	
96421:63	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{16}, e^{28} + e^{46}$	1/53(11, 22, 42, 33, 53, 44, 64, 55, 77)	{0, 134789, 14589, 357}	
96421:66a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35} + e^{24}, e^{16} + e^{23}, e^{25} + e^{18}$	4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)	{0, 123679, 13478, 24689}	
96421:66b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16} + e^{23}, e^{25} + e^{18}$	4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)	{0, 123679, 13478, 24689}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
96421:67	$0, 0, 0, a_1 e^{12}, e^{13}(1 + a_1), e^{14}, e^{35}, e^{23} + e^{16}, e^{34} + e^{18} + e^{25}$	$1/17(3, 11, 9, 14, 12, 17, 21, 20, 23)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:70	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{34} + e^{25}, e^{16}, e^{28} + e^{46}$	$1/185(38, 74, 135, 112, 173, 150, 247, 188, 262)$	$\{\emptyset, 123679, 12569, 13489, 145789, 234568, 24678, 357\}$	
96421:72	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26}, e^{46} + e^{18}$	$1/185(74, 38, 123, 112, 197, 150, 235, 188, 262)$	$\{\emptyset, 123679, 12569, 13468, 145678, 234589, 24789, 357\}$	
96421:73a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{46} + e^{35} + e^{28}$	$1/47(7, 27, 34, 34, 41, 41, 48, 48, 75)$	$\{\emptyset, 123679, 12569, 134789, 14589, 2345678, 2468, 357\}$	
96421:73b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}, e^{16}, e^{46} + e^{35} + e^{28}$	$1/47(7, 27, 34, 34, 41, 41, 48, 48, 75)$	$\{\emptyset, 123679, 12569, 134789, 14589, 2345678, 2468, 357\}$	
96421:74	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26}, e^{35} + e^{46} + e^{18}$	$1/327(102, 92, 189, 194, 291, 286, 393, 378, 480)$	$\{\emptyset, 123679, 12569, 357\}$	
96421:76	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{23} + e^{16}, e^{28} + e^{46}$	$1/112(26, 45, 78, 71, 104, 97, 130, 123, 168)$	$\{\emptyset, 123679, 134789, 2468\}$	
96421:77	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{16} + e^{24}, e^{26} + e^{18}$	$1/183(42, 84, 101, 126, 143, 168, 244, 210, 252)$	$\{\emptyset, 13478, 14578, 35\}$	
96421:78	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26} + e^{14}, e^{16} + e^{28}$	$1/93(42, 21, 41, 63, 83, 84, 124, 105, 126)$	$\{\emptyset, 23458, 248, 35\}$	
96421:79	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{35}, e^{16} + e^{24}, e^{46} + e^{28}$	$4/57(3, 6, 8, 9, 11, 12, 19, 15, 21)$	$\{\emptyset, 134789, 145789, 35\}$	
96421:81	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{26}, e^{18} + e^{46}$	$1/143(57, 31, 114, 88, 171, 119, 145, 150, 207)$	$\{\emptyset, 125679, 14568, 24789\}$	
96421:85	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{18} + e^{25} + e^{34}$	$1/123(29, 57, 87, 86, 116, 115, 143, 144, 173)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:87a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{16} + e^{23}, e^{18} + e^{25}$	$11/47(1, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 123679, 13478, 24689\}$	✓
96421:87b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{15} + e^{24}, e^{16} + e^{23}, e^{25} + e^{18}$	$11/47(1, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 123679, 13478, 24689\}$	✓
96421:90a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, e^{16}, e^{25} + e^{18} + e^{34}$	$4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)$	$\{\emptyset, 123679, 13478, 24689\}$	✓
96421:90b	$0, 0, 0, e^{12}, e^{13}, e^{14}, -e^{24} + e^{35}, e^{16}, e^{18} + e^{25} + e^{34}$	$4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)$	$\{\emptyset, 123679, 13478, 24689\}$	✓
96421:91a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{25}, e^{16}, e^{18} + e^{35} + e^{24}$	$4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)$	$\{\emptyset, 123679, 12569, 357\}$	✓
96421:91b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, -e^{25} + e^{34}, e^{16}, e^{35} + e^{24} + e^{18}$	$4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)$	$\{\emptyset, 123679, 12569, 357\}$	✓
96421:92a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26}, e^{35} + e^{14} + e^{28}$	$13/67(3, 1, 2, 4, 5, 5, 6, 6, 7)$	$\{\emptyset, 123679, 12569, 357\}$	✓
96421:92b	$0, 0, 0, e^{12}, e^{13}, -e^{24}, e^{34} + e^{25}, e^{26}, e^{28} + e^{35} + e^{14}$	$13/67(3, 1, 2, 4, 5, 5, 6, 6, 7)$	$\{\emptyset, 123679, 12569, 357\}$	✓
96421:93	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{14}, e^{15}, e^{23} + e^{16}, e^{18} + e^{34} + e^{25}$	$1/61(13, 35, 39, 48, 52, 61, 65, 74, 87)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:95	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{16}, e^{28} + e^{46}$	$1/47(7, 24, 41, 31, 48, 38, 55, 45, 69)$	$\{\emptyset, 123679, 134789, 2468\}$	
96421:99a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{35} + e^{28} + e^{46}$	$2/131(13, 31, 44, 44, 57, 57, 75, 70, 101)$	$\{\emptyset, 123679, 125679, 134789, 145789, 234568, 2468, 35\}$	
96421:99b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{24}, e^{16}, e^{28} + e^{35} + e^{46}$	$2/131(13, 31, 44, 44, 57, 57, 75, 70, 101)$	$\{\emptyset, 123679, 125679, 134789, 145789, 234568, 2468, 35\}$	
96421:100	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{18} + e^{35} + e^{46}$	$4/185(19, 11, 26, 30, 45, 41, 49, 52, 71)$	$\{\emptyset, 123679, 125679, 35\}$	
96421:103a	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{25} + e^{34}, e^{16}, e^{35} + e^{46} + e^{28}$	$5/101(4, 9, 13, 13, 17, 17, 26, 21, 30)$	$\{\emptyset, 123679, 12569, 13489, 145789, 234568, 24678, 357\}$	
96421:103b	$0, 0, 0, -e^{12}, -e^{13}, -e^{14}, e^{25} + e^{34}, e^{16}, e^{35} + e^{28} + e^{46}$	$5/101(4, 9, 13, 13, 17, 17, 26, 21, 30)$	$\{\emptyset, 123679, 12569, 13489, 145789, 234568, 24678, 357\}$	
96421:104	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{26}, e^{18} + e^{46} + e^{35}$	$1/183(79, 39, 98, 118, 177, 157, 216, 196, 275)$	$\{\emptyset, 123679, 12569, 357\}$	
96421:106	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{25} + e^{34}, e^{16} + e^{23}, e^{46} + e^{28}$	$1/47(11, 17, 33, 28, 44, 39, 61, 50, 67)$	$\{\emptyset, 123679, 13489, 24678\}$	
96421:107a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{23} + e^{16}, e^{46} + e^{35} + e^{28}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 123679, 134789, 2468\}$	
96421:107b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}, e^{16} + e^{23}, e^{46} + e^{35} + e^{28}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 123679, 134789, 2468\}$	
96421:109	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{24}, e^{46} + e^{28}$	$1/53(11, 22, 42, 33, 53, 44, 64, 55, 77)$	$\{\emptyset, 134789, 14589, 357\}$	
96421:114a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{16}, e^{25} + e^{18} + e^{34}$	$11/47(1, 2, 3, 3, 4, 4, 5, 5, 6)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:114b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{15} + e^{24}, e^{16}, e^{18} + e^{25} + e^{34}$	$11/47(1, 2, 3, 3, 4, 4, 5, 5, 6)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:117	$0, 0, 0, a_1 e^{12}, e^{13}(1 + a_1), e^{14}, e^{24}, e^{16} + e^{23}, e^{25} + e^{34} + e^{18}$	$1/123(29, 57, 87, 86, 116, 115, 143, 144, 173)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:120	$0, 0, 0, e^{12}, a_1 e^{13}, e^{14}, e^{15} + e^{23}, e^{16} + e^{24}, e^{18} + e^{26}$	$1/31(7, 14, 24, 21, 31, 28, 38, 35, 42)$	$\{\emptyset, 13478, 1458, 357\}$	
96421:122a	$0, 0, 0, a_1 e^{12}, e^{13}(1 + a_1), e^{14}, e^{35} + e^{24}, e^{23} + e^{16}, e^{34} + e^{18} + e^{25}$	$4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:122b	$0, 0, 0, a_1 e^{12}, e^{13}(1 + a_1), e^{14}, e^{35} - e^{24}, e^{23} + e^{16}, e^{34} + e^{25} + e^{18}$	$4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:127	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{24} + e^{16}, e^{35} + e^{26} + e^{18}$	$21/173(2, 4, 5, 6, 7, 8, 9, 10, 12)$	$\{\emptyset, 357\}$	
96421:129	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{25}, e^{16} + e^{24}, e^{18} + e^{26}$	$1/41(9, 18, 29, 27, 38, 36, 56, 45, 54)$	$\{\emptyset, 1348, 14578, 357\}$	
96421:130	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{14} + e^{26}, e^{28} + e^{16}$	$1/41(18, 9, 26, 27, 44, 36, 53, 45, 54)$	$\{\emptyset, 23458, 2478, 357\}$	
96421:131a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24}, e^{16} + e^{23}, e^{28} + e^{35} + e^{46}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 123679, 134789, 2468\}$	
96421:131b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{24}, e^{16} + e^{23}, e^{46} + e^{28} + e^{35}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 123679, 134789, 2468\}$	
96421:132	$0, 0, 0, -e^{12}, e^{13}a_2, e^{14}, e^{15} + e^{23}, e^{16} + e^{24}, e^{46} + e^{28}$	$1/53(11, 22, 42, 33, 53, 44, 64, 55, 77)$	$\{\emptyset, 134789, 14589, 357\}$	
96421:135a	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{25} + e^{34}, e^{16} + e^{23}, e^{28} + e^{46} + e^{35}$	$7/33(1, 2, 3, 3, 4, 4, 6, 5, 7)$	$\{\emptyset, 123679, 13489, 24678\}$	
96421:135b	$0, 0, 0, -e^{12}, -e^{13}, -e^{14}, e^{25} + e^{34}, e^{23} + e^{16}, e^{46} + e^{35} + e^{28}$	$7/33(1, 2, 3, 3, 4, 4, 6, 5, 7)$	$\{\emptyset, 123679, 13489, 24678\}$	
96421:138a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{24}, e^{28} + e^{35} + e^{46}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 134789, 14589, 357\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
96421:138b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}, e^{16} + e^{24}, e^{28} + e^{46} + e^{35}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 134789, 14589, 357\}$	
96421:143	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{26}, e^{28} + e^{34} + e^{17}$	$6/47(3, 2, 6, 5, 9, 7, 8, 9, 11)$	$\{\emptyset, 145689\}$	
96421:144	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24}, e^{23} + e^{16}, e^{34} + e^{27} + e^{18}$	$59/453(2, 3, 6, 5, 8, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
96421:145a	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{14}, e^{15} + e^{24}, e^{16} + e^{23}, e^{25} + e^{18} + e^{34}$	$11/47(1, 2, 3, 3, 4, 4, 5, 5, 6)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:145b	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, -e^{14}, e^{15} + e^{24}, e^{23} + e^{16}, e^{18} + e^{25} + e^{34}$	$11/47(1, 2, 3, 3, 4, 4, 5, 5, 6)$	$\{\emptyset, 123679, 13478, 24689\}$	
96421:146	$0, 0, 0, e^{12}, a_1e^{13}, e^{14}, e^{23} + e^{15}, e^{24} + e^{16}, e^{35} + e^{26} + e^{18}$	$21/173(2, 4, 5, 6, 7, 8, 9, 10, 12)$	$\{\emptyset, 357\}$	
96421:150a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}a_2 + e^{24}, e^{16} + e^{23}, e^{28} + e^{35} + e^{46}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 123679, 134789, 2468\}$	
96421:150b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}a_2 + e^{24}, e^{23} + e^{16}, e^{46} + e^{35} + e^{28}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 123679, 134789, 2468\}$	
96421:153	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{16} + e^{24}, e^{18} + e^{26} + e^{35}$	$5/43(2, 4, 5, 6, 7, 8, 11, 10, 12)$	$\{\emptyset, 357\}$	
96421:154a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{14} + e^{26}, e^{28} + e^{16} + e^{35}$	$4/17(2, 1, 2, 3, 4, 4, 5, 5, 6)$	$\{\emptyset, 23458, 2478, 357\}$	
96421:154b	$0, 0, 0, e^{12}, e^{13}, -e^{24}, e^{34} + e^{25}, -e^{14} + e^{26}, e^{16} + e^{35} + e^{28}$	$4/17(2, 1, 2, 3, 4, 4, 5, 5, 6)$	$\{\emptyset, 23458, 2478, 357\}$	
96421:156a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}a_2 + e^{23}, e^{24} + e^{16}, e^{28} + e^{46} + e^{35}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 134789, 14589, 357\}$	
96421:156b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{15}a_2 + e^{23}, e^{16} + e^{24}, e^{46} + e^{35} + e^{28}$	$17/77(1, 2, 3, 3, 4, 4, 5, 5, 7)$	$\{\emptyset, 134789, 14589, 357\}$	
96421:158a	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{25} + e^{34}, e^{16} + e^{24}, e^{46} + e^{28} + e^{35}$	$7/33(1, 2, 3, 3, 4, 4, 6, 5, 7)$	$\{\emptyset, 13489, 145789, 357\}$	
96421:158b	$0, 0, 0, -e^{12}, -e^{13}, -e^{14}, e^{25} + e^{34}, e^{16} + e^{24}, e^{28} + e^{46} + e^{35}$	$7/33(1, 2, 3, 3, 4, 4, 6, 5, 7)$	$\{\emptyset, 13489, 145789, 357\}$	
96421:159	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{26} + e^{14}, e^{46} + e^{35} + e^{18}$	$69/643(4, 2, 5, 6, 9, 8, 11, 10, 14)$	$\{\emptyset, 357\}$	
96421:163	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{15} + e^{26}, e^{46} + e^{18}$	$2/771(123, 104, 189, 227, 312, 331, 501, 435, 558)$	$\{\emptyset, 125679, 134678, 234589\}$	
96421:166	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{35}, e^{28} + e^{37}$	$1/11(7, 2, 3, 9, 10, 11, 12, 13, 15)$	$\{\emptyset, 134689, 1456789, 357\}$	
96421:176	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26}, e^{37} + e^{18} + e^{46}$	$2/39(9, 4, 7, 13, 16, 17, 23, 21, 30)$	$\{\emptyset, 125679, 134678, 234589\}$	
96421:185	$0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, e^{35}, e^{34} + e^{25} - 2e^{16}, e^{45} + e^{18}$	$1/49(11, 27, 22, 38, 33, 49, 55, 60, 71)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:188	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{16}, e^{24} + e^{37} + e^{18}$	$73/699(2, 6, 5, 8, 7, 10, 9, 12, 14)$	$\{\emptyset, 357\}$	
96421:192	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{15} + e^{26}, e^{46} + e^{18}$	$5/441(22, 27, 59, 49, 81, 76, 108, 103, 125)$	$\{\emptyset, 12569, 13468, 234589\}$	
96421:193	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{35}, e^{18} + e^{46} + e^{37}$	$1/51(15, 16, 24, 31, 39, 47, 54, 63, 78)$	$\{\emptyset, 134678, 14568, 357\}$	
96421:194a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{15} + e^{26}, e^{18} + e^{46} + e^{37}$	$28/219(3, 2, 3, 5, 6, 7, 9, 9, 12)$	$\{\emptyset, 125679, 134678, 234589\}$	
96421:194b	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, -e^{15} + e^{26}, e^{37} + e^{46} + e^{18}$	$28/219(3, 2, 3, 5, 6, 7, 9, 9, 12)$	$\{\emptyset, 125679, 134678, 234589\}$	
96421:197	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{35}, e^{37} + e^{15} + e^{28}$	$34/311(5, 2, 3, 7, 8, 9, 10, 11, 13)$	$\{\emptyset, 134689\}$	
96421:204	$0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{35}, e^{16} + e^{25}, e^{18} + e^{36} + e^{45}$	$1/49(11, 27, 22, 38, 33, 49, 55, 60, 71)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:206	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{35}, e^{16} + e^{25} + e^{34}, e^{45} + e^{36} + e^{18}$	$1/49(11, 27, 22, 38, 33, 49, 55, 60, 71)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:207	$0, 0, 0, -e^{12}, -2e^{13}, e^{14} - e^{23}, e^{35}, e^{25} + e^{16} + e^{34}, e^{28} + e^{46}$	$1/8(2, 3, 4, 5, 6, 7, 10, 9, 12)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:213	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{26} + e^{14}, e^{16} + e^{28} + e^{37}$	$7/87(6, 3, 4, 9, 10, 12, 14, 15, 18)$	$\{\emptyset, 248\}$	
96421:218	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14}, e^{26} + e^{15}, e^{28} + e^{45} + e^{37}$	$6/419(23, 21, 40, 44, 63, 65, 67, 86, 107)$	$\{\emptyset, 125679, 134689, 234578\}$	
96421:219	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{35}, e^{16} + e^{24}, e^{37} + e^{46} + e^{28}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 145789\}$	
96421:220	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{14} + e^{26}, e^{18} + e^{37} + e^{46}$	$49/669(6, 3, 5, 9, 11, 12, 16, 15, 21)$	$\{\emptyset, 234589\}$	
96421:221	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{35}, e^{28} + e^{37} + e^{14}$	$15/151(6, 2, 3, 8, 9, 10, 11, 12, 14)$	$\{\emptyset, 357\}$	
96421:222	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{15} + e^{26}, e^{18} + e^{35} + e^{46}$	$5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 12569\}$	
96421:230	$0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14} + e^{35}, e^{26} + e^{15}, e^{28} + e^{37} + e^{45}$	$42/485(5, 3, 4, 8, 9, 11, 13, 14, 17)$	$\{\emptyset, 125679\}$	
96421:231	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{25} + e^{34}, e^{16} + e^{35}, e^{28} + e^{37} + e^{46}$	$1/55(14, 22, 25, 36, 39, 50, 61, 64, 86)$	$\{\emptyset, 13489, 145789, 357\}$	
96421:237	$0, 0, 0, -e^{12}, -2e^{13}, e^{14} - e^{23}, e^{15}, e^{16} + e^{34} + e^{25}, e^{46} + e^{28}$	$1/28(8, 9, 16, 17, 24, 25, 32, 33, 42)$	$\{\emptyset, 12569, 14589, 2468\}$	
96421:238a	$0, 0, 0, e^{12}, -e^{13}, e^{23} + e^{14}, e^{35} + e^{24}, -2e^{16} + e^{25} + e^{34}, e^{45} + e^{18}$	$31/129(1, 2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:238b	$0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, -e^{24} + e^{35}, e^{25} + e^{34} - 2e^{16}, e^{45} + e^{18}$	$31/129(1, 2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:239	$0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, e^{35}, e^{25} - 2e^{16} + e^{34}, e^{37} + e^{45} + e^{18}$	$6/29(1, 3, 2, 4, 3, 5, 5, 6, 7)$	$\{\emptyset, 125679\}$	
96421:240	$0, 0, 0, e^{12}, e^{13}(1 + a_4), e^{23} + (2 + a_4)e^{14}, e^{35}, a_4e^{16} + e^{34} + e^{25}, e^{18} + e^{36} + e^{45}$	$1/49(11, 27, 22, 38, 33, 49, 55, 60, 71)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:255	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{16} + e^{25}, e^{45} + e^{36} + e^{18}$	$1/87(23, 37, 46, 60, 69, 83, 97, 106, 129)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:256	$0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{34} + e^{25}, e^{26} + 2e^{15}, e^{45} + e^{17} + e^{28}$	$1/341(113, 98, 181, 211, 294, 309, 392, 407, 505)$	$\{\emptyset, 12569, 134689, 23458\}$	
96421:259	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{24}, e^{16} + e^{25} + e^{34}, e^{36} + e^{45} + e^{18}$	$1/87(23, 37, 46, 60, 69, 83, 97, 106, 129)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:264a	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{35}, e^{16} + e^{25}, e^{45} + e^{36} + e^{18}$	$31/129(1, 2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 125679, 14578, 24689\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
96421:264b	$0, 0, 0, e^{12}, -e^{13}, -e^{14} + e^{23}, e^{24} + e^{35}, e^{25} - e^{16}, e^{18} + e^{45} + e^{36}$	$31/129(1, 2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:265a	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{35} + e^{24}, e^{16} + e^{34} + e^{25}, e^{18} + e^{36} + e^{45}$	$31/129(1, 2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:265b	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{35} - e^{24}, e^{16} + e^{25} + e^{34}, e^{36} + e^{45} + e^{18}$	$31/129(1, 2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:270a	$0, 0, 0, -e^{12}, e^{13}, e^{14} - e^{23}, e^{35}, e^{16} + e^{34} - 2e^{25}, e^{46} + e^{28} + e^{37}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:270b	$0, 0, 0, -e^{12}, -e^{13}, -e^{23} + e^{14}, e^{35}, e^{16} + 2e^{25} + e^{34}, e^{37} + e^{46} + e^{28}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:278	$0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{24}, e^{25} + e^{16}, e^{46} + e^{28} + e^{37}$	$4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:281a	$0, 0, 0, e^{12}, a_1 e^{13}, e^{14}, e^{15} + e^{23}, e^{24} + e^{35} + e^{16}, e^{18} + e^{37} + e^{26}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 13478, 1458, 357\}$	
96421:281b	$0, 0, 0, -e^{12}, a_1 e^{13}, e^{14}, e^{15} + e^{23}, e^{16} + e^{24} + e^{35}, e^{37} + e^{26} + e^{18}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 13478, 1458, 357\}$	
96421:283	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{24}, e^{16} + e^{25} + e^{34}, e^{28} + e^{37} + e^{46}$	$4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:285	$0, 0, 0, a_1 e^{12}, e^{13}(1 + a_1), e^{14} + e^{23}, e^{15}, e^{34} + e^{25} + e^{16}, e^{36} + e^{18} + e^{27}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12569, 1458, 24689\}$	
96421:291	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{14} + e^{26} + e^{35}, e^{28} + e^{37} + e^{16}$	$61/503(4, 2, 3, 6, 7, 8, 9, 10, 12)$	$\{\emptyset, 357\}$	
96421:294a	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{35} + e^{24}, e^{16} + e^{25}, e^{46} + e^{28} + e^{37}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:294b	$0, 0, 0, -e^{12}, -e^{13}, e^{23} + e^{14}, e^{35} + e^{24}, e^{16} - e^{25}, e^{37} + e^{46} + e^{28}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:295	$0, 0, 0, e^{12}, e^{13}(-1 + a_3),$ $a_3 e^{14} + e^{23}, e^{24}, (-2 + a_3)e^{16} + e^{25} + e^{34}, e^{18} + e^{45} + e^{36}$	$1/87(23, 37, 46, 60, 69, 83, 97, 106, 129)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:298a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{35}, -e^{25} + e^{16} + e^{34}, e^{28} + e^{46} + e^{37}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:298b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{35} + e^{24}, e^{34} + e^{25} + e^{16}, e^{46} + e^{28} + e^{37}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:300a	$0, 0, 0, e^{12}, e^{13}a_2,$ $(1 + a_2)e^{14} + e^{23}, e^{35} + e^{24}, (-1 + a_2)e^{16} + e^{34} + e^{25}, e^{18} + e^{45} + e^{36}$	$31/129(1, 2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:300b	$0, 0, 0, e^{12}, e^{13}a_2,$ $(1 + a_2)e^{14} + e^{23}, e^{35} - e^{24}, (-1 + a_2)e^{16} + e^{34} + e^{25}, e^{36} + e^{45} + e^{18}$	$31/129(1, 2, 2, 3, 3, 4, 5, 5, 6)$	$\{\emptyset, 125679, 14578, 24689\}$	
96421:303	$0, 0, 0, a_1 e^{12}, e^{13}, e^{23} + e^{14}, -(-1 + a_1)e^{15}, e^{25} + e^{16}, e^{27} + e^{36} + e^{45} + e^{18}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12569, 1458, 24689\}$	
96421:307	$0, 0, 0, -e^{12}, e^{13}a_2, (1 + a_2)e^{14} + e^{23}, e^{15}, e^{16} + e^{34}, e^{45} + e^{18} + e^{27} + e^{36}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12569, 1458, 24689\}$	
96421:308	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{16} + e^{34} + e^{25}, e^{18} + e^{27} + e^{36}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
96421:313	$0, 0, 0, -e^{12}, e^{13}a_2,$ $(1 + a_2)e^{23} + e^{14}, e^{24}(2 + a_2), e^{25} + e^{34} + e^{16}, e^{37} + e^{28} + e^{46}$	$4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:318a	$0, 0, 0, -e^{12}, e^{13},$ $e^{23}(-1 + a_3) + e^{14}, a_3 e^{24} + e^{35}, (-2 + a_3)e^{25} + e^{34} + e^{16}, e^{28} + e^{46} + e^{37}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:318b	$0, 0, 0, -e^{12}, -e^{13},$ $e^{23}(-1 + a_3) + e^{14}, a_3 e^{24} + e^{35}, -(-2 + a_3)e^{25} + e^{16} + e^{34}, e^{37} + e^{46} + e^{28}$	$16/71(1, 2, 2, 3, 3, 4, 5, 5, 7)$	$\{\emptyset, 125679, 145789, 2468\}$	
96421:320	$0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{24}, e^{16} + e^{25}, e^{27} + e^{18} + e^{36} + e^{45}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
96421:322	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{24}, e^{25} + e^{16} + e^{34}, e^{18} + e^{27} + e^{45} + e^{36}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
96421:326	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2,$ $e^{14} + e^{23}, e^{15} + e^{24}, e^{34} + e^{16} + e^{25}, e^{27} + e^{36} + e^{18}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
96421:328	$0, 0, 0,$ $(-1 + a_3 - a_5)e^{12}, e^{13}(-1 + a_3), a_3 e^{14} + e^{23},$ $-e^{15}(-2 + a_3 - a_5), e^{25} + e^{34} + e^{16}a_5, e^{18} + e^{27} + e^{45} + e^{36}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12569, 1458, 24689\}$	
96421:332	$0, 0, 0, a_1 e^{12}, e^{13},$ $e^{14} + e^{23}, -(-1 + a_1)e^{15} + e^{24}, e^{16} + e^{25}, e^{36} + e^{18} + e^{27} + e^{45}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
96421:333	$0, 0, 0, -e^{12}, e^{13}(-1 + a_3),$ $a_3 e^{14} + e^{23}, e^{15} + e^{24}, e^{34} + e^{16}, e^{45} + e^{36} + e^{18} + e^{27}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
96421:334	$0, 0, 0, e^{12}a_2, e^{13}a_2,$ $(1 + a_2)e^{14}, -(-1 + a_2)e^{15} + e^{24}, e^{16} + e^{34} + e^{25}, e^{18} + e^{27} + e^{36} + e^{45}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
96421:336	$0, 0, 0, e^{12}, e^{13}(1 + a_4),$ $e^{23} + (2 + a_4)e^{14}, e^{24}, a_4 e^{16} + e^{25} + e^{34}, e^{36} + e^{27} + e^{18} + e^{45}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
96421:338	$0, 0, 0,$ $a_1 e^{12}, e^{13}(-1 + a_3), a_3 e^{14} + e^{23},$ $(-1 + a_1)e^{15} + e^{24}, (-1 + a_3 - a_1)e^{16} + e^{25} + e^{34}, e^{27} + e^{18} + e^{36} + e^{45}$	11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)	{0, 24689}	
96421:339	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{24}, e^{17} + e^{26}, e^{46} + e^{18}$	1/55(10, 23, 50, 33, 60, 43, 56, 66, 76)	{0, 123679, 125679, 13479, 14579, 23456, 246, 35}	
96421:340a	0, 0, 0, $-e^{12}, e^{13}, e^{14}, e^{24}, e^{27} + e^{16}, e^{46} + e^{28}$	2/131(19, 19, 56, 38, 75, 57, 57, 76, 95)	{0, 123679, 125679, 134789, 145789, 234568, 2468, 35}	
96421:340b	0, 0, 0, $-e^{12}, e^{13}, -e^{14}, e^{24}, e^{16} + e^{27}, e^{46} + e^{28}$	2/131(19, 19, 56, 38, 75, 57, 57, 76, 95)	{0, 123679, 125679, 134789, 145789, 234568, 2468, 35}	
96421:341a	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{14}, e^{17} + e^{26}, e^{46} + e^{18}$	2/131(19, 19, 56, 38, 75, 57, 57, 76, 95)	{0, 123679, 125679, 13468, 14568, 2345789, 24789, 35}	
96421:341b	0, 0, 0, $e^{12}, e^{13}, e^{24}, -e^{14}, e^{26} + e^{17}, e^{46} + e^{18}$	2/131(19, 19, 56, 38, 75, 57, 57, 76, 95)	{0, 123679, 125679, 13468, 14568, 2345789, 24789, 35}	
96421:342	0, 0, 0, $-e^{12}, e^{13}, e^{24}, e^{14}, e^{16} + e^{27}, e^{46} + e^{28}$	2/17(3, 2, 7, 5, 10, 7, 8, 10, 12)	{0, 123679, 125679, 1346, 1456, 234579, 2479, 35}	
96421:343a	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{24}, e^{17} + e^{26}, e^{18} + e^{46} + e^{35}$	1/101(23, 41, 64, 64, 87, 87, 105, 128, 151)	{0, 123679, 125679, 13479, 14579, 23456, 246, 35}	
96421:343b	0, 0, 0, $e^{12}, -e^{13}, e^{14}, e^{24}, e^{17} + e^{26}, e^{18} + e^{35} + e^{46}$	1/101(23, 41, 64, 64, 87, 87, 105, 128, 151)	{0, 123679, 125679, 13479, 14579, 23456, 246, 35}	
96421:344a	0, 0, 0, $-e^{12}, e^{13}, e^{14}, e^{24}, e^{16} + e^{27}, e^{28} + e^{35} + e^{46}$	4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)	{0, 123679, 125679, 134789, 145789, 234568, 2468, 35}	✓
96421:344b	0, 0, 0, $-e^{12}, e^{13}, -e^{14}, e^{24}, e^{27} + e^{16}, e^{28} + e^{46} + e^{35}$	4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)	{0, 123679, 125679, 134789, 145789, 234568, 2468, 35}	✓
96421:344c	0, 0, 0, $-e^{12}, -e^{13}, e^{14}, e^{24}, e^{27} + e^{16}, e^{46} + e^{35} + e^{28}$	4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)	{0, 123679, 125679, 134789, 145789, 234568, 2468, 35}	✓
96421:344d	0, 0, 0, $-e^{12}, -e^{13}, -e^{14}, e^{24}, e^{27} + e^{16}, e^{35} + e^{46} + e^{28}$	4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)	{0, 123679, 125679, 134789, 145789, 234568, 2468, 35}	✓
96421:345a	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{14}, e^{26} + e^{17}, e^{35} + e^{18} + e^{46}$	4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)	{0, 123679, 125679, 35}	
96421:345b	0, 0, 0, $e^{12}, e^{13}, e^{24}, -e^{14}, e^{17} + e^{26}, e^{18} + e^{46} + e^{35}$	4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)	{0, 123679, 125679, 35}	
96421:346	0, 0, 0, $-e^{12}, e^{13}, e^{24}, e^{14}, e^{27} + e^{16}, e^{28} + e^{46} + e^{35}$	2/419(71, 59, 124, 130, 195, 189, 201, 260, 319)	{0, 123679, 125679, 35}	
96421:350	0, 0, 0, $-e^{12}, e^{13}, e^{24}, e^{14}, e^{27} + e^{16}, e^{28} + e^{46} + e^{15}$	1/71(23, 19, 57, 42, 80, 61, 65, 84, 103)	{0, 123679, 1456, 234579}	
96421:352	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{24}, e^{17} + e^{26}, e^{18} + e^{27} + e^{46}$	1/281(56, 112, 253, 168, 309, 224, 280, 336, 392)	{0, 13479, 14579, 35}	
96421:353	0, 0, 0, $-e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{27} + e^{16}, e^{28} + e^{46}$	2/67(13, 7, 26, 20, 39, 27, 33, 40, 47)	{0, 125679, 1456, 2479}	
96421:358	0, 0, 0, $-e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{27} + e^{16}, e^{15} + e^{28} + e^{46}$	31/256(3, 2, 6, 5, 9, 7, 8, 10, 12)	{0, 1456}	
96421:414	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{17}, e^{18} + e^{46}$	1/327(48, 119, 261, 167, 309, 286, 357, 405, 453)	{0, 123679, 14568, 2345789}	
96421:415	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{26} + e^{17}, e^{18} + e^{46}$	1/157(19, 78, 137, 97, 156, 116, 175, 194, 213)	{0, 123679, 13479, 246}	
96421:417	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{15}, e^{17} + e^{26}, e^{18} + e^{35} + e^{46}$	4/57(3, 5, 9, 8, 12, 13, 15, 18, 21)	{0, 123679}	
96421:418	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{35}, e^{37} + e^{26}, e^{18} + e^{57} + e^{46}$	2/15(3, 2, 2, 5, 5, 7, 7, 9, 12)	{0, 123679, 145678, 234589}	
96421:421	0, 0, 0, $e^{12}, -e^{13}, e^{25} - e^{34}, -2e^{14}, e^{16} + e^{45} + e^{37}, e^{38} + e^{56}$	1/4(1, 2, 1, 3, 2, 4, 4, 5, 6)	{0, 123679, 125789, 1348, 1456, 234579, 246789, 3568}	
96421:422	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{17} + e^{26}, e^{18} + e^{46} + e^{23}$	61/493(1, 4, 7, 5, 8, 6, 9, 10, 11)	{0, 13479}	
96421:423a	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{17} + e^{26}, e^{35} + e^{46} + e^{18}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 123679, 13479, 246}	
96421:423b	0, 0, 0, $e^{12}, -e^{13}, e^{14}, e^{24} + e^{15}, e^{26} + e^{17}, e^{35} + e^{18} + e^{46}$	7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)	{0, 123679, 13479, 246}	
96421:424	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{35}, e^{37} + e^{16} + e^{24}, e^{18} + e^{57} + e^{26}$	17/201(3, 6, 4, 9, 7, 12, 11, 15, 18)	{0, 14578}	
96421:426	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{27} + e^{36}, e^{56} + e^{18} + e^{47}$	1/5(2, 1, 2, 3, 4, 4, 5, 6, 8)	{0, 123679, 12568, 13469, 145678, 234589, 247, 35789}	
96421:440a	0, 0, 0, $e^{12}, e^{13}, e^{25} + e^{34}, e^{35} + e^{24}, e^{26} + e^{37}, e^{18} + e^{46} + e^{57}$	2/15(3, 2, 2, 5, 5, 7, 7, 9, 12)	{0, 123679, 12578, 13479, 145678, 234589, 246, 35689}	
96421:440b	0, 0, 0, $e^{12}, e^{13}, -e^{25} - e^{34}, -e^{24} + e^{35}, e^{37} + e^{26}, e^{18} + e^{57} + e^{46}$	2/15(3, 2, 2, 5, 5, 7, 7, 9, 12)	{0, 123679, 12578, 13479, 145678, 234589, 246, 35689}	
96421:447	0, 0, 0, $e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + e^{15}, e^{26} + e^{35} + e^{17}, e^{37} + e^{18} + e^{46}$	19/149(2, 3, 4, 5, 6, 7, 8, 10, 12)	{0, 246}	
9642:3	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{26} + e^{17}$	1/51(12, 22, 45, 34, 57, 46, 56, 58, 68)	{0, 12367, 12567, 13478, 14578, 234568, 2468, 35}	
9642:4	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{27} + e^{16}$	1/106(40, 29, 86, 69, 126, 98, 109, 127, 138)	{0, 12367, 12567, 13468, 14568, 234578, 2478, 35}	
9642:8	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{24}, e^{23} + e^{16}, e^{26} + e^{17}$	1/33(9, 13, 27, 22, 36, 31, 35, 40, 44)	{0, 12367, 13478, 2468}	
9642:9	0, 0, 0, $-e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{26}, e^{17} + e^{34}$	1/389(139, 116, 278, 255, 417, 371, 394, 487, 533)	{0, 12567, 145689, 24789}	
9642:11a	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{24}, e^{17} + e^{26}, e^{16} + e^{27}$	1/113(36, 36, 95, 72, 131, 108, 108, 144, 144)	{0, 12367, 12567, 13479, 14579, 234569, 2469, 35}	✓
9642:11b	0, 0, 0, $e^{12}, e^{13}, -e^{14}, e^{24}, -e^{17} + e^{26}, e^{27} + e^{16}$	1/113(36, 36, 95, 72, 131, 108, 108, 144, 144)	{0, 12367, 12567, 13479, 14579, 234569, 2469, 35}	✓
9642:12	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{26}, e^{25} + e^{17}$	1/389(139, 116, 278, 255, 417, 371, 394, 487, 533)	{0, 12567, 145689, 24789}	
9642:14	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{23} + e^{14}, e^{26}, e^{27} + e^{16}$	1/178(70, 47, 140, 117, 210, 164, 187, 211, 234)	{0, 12567, 14568, 2478}	
9642:16	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{25} + e^{34} + e^{17}$	1/389(139, 116, 278, 255, 417, 371, 394, 487, 533)	{0, 12567, 145689, 24789}	
9642:17	0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{24}, e^{16}, e^{26} + e^{17} + e^{35}$	1/119(28, 57, 71, 85, 99, 113, 142, 141, 170)	{0, 234568, 2468, 35}	
9642:18	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{14}, e^{26}, e^{16} + e^{27} + e^{35}$	2/123(26, 17, 30, 43, 56, 60, 69, 77, 86)	{0, 234578, 2478, 35}	
9642:20	0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{14}, e^{26} + e^{35}, e^{16} + e^{27}$	1/109(36, 38, 57, 74, 93, 112, 110, 150, 148)	{0, 13468, 14568, 35}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
9642:21	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{35} + e^{26}, e^{17} + e^{25}$	3/31(3, 4, 6, 7, 9, 11, 10, 15, 13)	{0, 145689}	
9642:22	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{16} + e^{34}, e^{35} + e^{27}$	3/31(3, 4, 6, 7, 9, 10, 11, 13, 15)	{0, 145789}	
9642:23	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{15} + e^{26}, e^{27} + e^{16}$	1/413(122, 145, 313, 267, 435, 412, 389, 557, 534)	{0, 12567, 13468, 234578}	
9642:25	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{24}, e^{14} + e^{23}, e^{26}, e^{17} + e^{34} + e^{25}$	1/389(139, 116, 278, 255, 417, 371, 394, 487, 533)	{0, 12567, 145689, 24789}	
9642:26	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{34} + e^{16}, e^{15} + e^{27}$	1/3(1, 1, 2, 2, 3, 3, 3, 4, 4)	{0, 12567}	
9642:27	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26} + e^{35}, e^{17} + e^{25} + e^{34}$	3/31(3, 4, 6, 7, 9, 11, 10, 15, 13)	{0, 145689}	
9642:32	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26} + e^{15}, e^{25} + e^{34} + e^{17}$	1/3(1, 1, 2, 2, 3, 3, 3, 4, 4)	{0, 12567}	
9642:34	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{26} + e^{15}, e^{16} + e^{27} + e^{35}$	38/383(4, 3, 5, 7, 9, 10, 11, 13, 14)	{0, 234578}	
9642:36	$0, 0, 0, e^{12}a_1, (1 + a_1)e^{13}, e^{24}, e^{23} + e^{14}, e^{26} + e^{35}, e^{17} + e^{25} + e^{34}$	3/31(3, 4, 6, 7, 9, 11, 10, 15, 13)	{0, 145689}	
9642:38a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{16} + e^{27}, e^{17} + e^{35} + e^{26}$	22/129(2, 2, 3, 4, 5, 6, 6, 8, 8)	{0, 234568, 2468, 35}	✓
9642:38b	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{27} - e^{16}, e^{35} + e^{17} + e^{26}$	22/129(2, 2, 3, 4, 5, 6, 6, 8, 8)	{0, 234568, 2468, 35}	✓
9642:40	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{24}, e^{14} + e^{23}, e^{26} + e^{15}, e^{34} + e^{17} + e^{25}$	1/3(1, 1, 2, 2, 3, 3, 3, 4, 4)	{0, 12567}	
9642:42	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{16} + e^{25}, e^{17} + e^{26} + e^{35}$	9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)	{0, 2468}	
9642:43	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{16} + e^{34}, e^{17} + e^{26} + e^{35}$	9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)	{0, 2468}	
9642:44	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{34} + e^{25} + e^{16}, e^{35} + e^{26} + e^{17}$	9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)	{0, 2468}	
9642:45	$0, 0, 0, e^{12}a_1, (1 + a_1)e^{13}, e^{23} + e^{14}, e^{24}, e^{16} + e^{25} + e^{34}, e^{17} + e^{26}$	1/3(1, 1, 2, 2, 3, 3, 3, 4, 4)	{0, 12567, 14578, 2468}	
9642:47	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{23} + e^{14}, e^{24}, e^{34} + e^{25} + e^{16}, e^{35} + e^{17} + e^{26}$	9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)	{0, 2468}	
9642:65	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{16}, e^{17} + e^{26}$	3/160(10, 27, 44, 37, 54, 47, 64, 57, 74)	{0, 12367, 13478, 2468}	
9642:66	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{26}, e^{27} + e^{36}$	1/31(19, 5, 13, 24, 32, 29, 37, 34, 42)	{0, 12367, 12569, 13468, 1456789, 234589, 2478, 3579}	
9642:82	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16}, e^{45} + e^{36} + e^{27}$	1/31(5, 19, 20, 24, 25, 29, 30, 34, 49)	{0, 12367, 12569, 134789, 1458, 2345678, 24689, 3579}	
9642:83a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{16} + e^{23}, e^{17} + e^{26}$	11/47(1, 2, 3, 3, 4, 4, 5, 5, 6)	{0, 12367, 13478, 2468}	✓
9642:83b	$0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{24} + e^{15}, e^{23} + e^{16}, e^{17} + e^{26}$	11/47(1, 2, 3, 3, 4, 4, 5, 5, 6)	{0, 12367, 13478, 2468}	✓
9642:86	$0, 0, 0, -e^{12}, a_2e^{13}, e^{14}, e^{23} + e^{15}, e^{16} + e^{24}, e^{17} + e^{34}$	1/8(2, 4, 5, 6, 7, 8, 9, 10, 11)	{0, 13478, 14589, 3579}	
9642:97	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{26}, e^{27} + e^{36} + e^{14}$	1/281(168, 47, 121, 215, 289, 262, 336, 309, 383)	{0, 12569, 13468, 234589}	
9642:99	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26}, e^{36} + e^{27} + e^{15}$	4/17(2, 1, 2, 3, 4, 4, 5, 5, 6)	{0, 234589, 2478, 3579}	
9642:102	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{15} + e^{26}, e^{27} + e^{36}$	1/361(156, 101, 147, 257, 303, 358, 404, 459, 505)	{0, 12569, 13468, 234589}	
9642:103	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{35}, e^{36} + e^{27}$	1/67(40, 14, 21, 54, 61, 68, 75, 82, 89)	{0, 13468, 1456789, 3579}	
9642:104	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{16}, e^{45} + e^{36} + e^{27}$	2/17(2, 4, 5, 6, 7, 8, 9, 10, 13)	{0, 134789, 1458, 3579}	
9642:110	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{16}, e^{27} + e^{36} + e^{45}$	1/369(83, 162, 241, 245, 324, 328, 407, 411, 569)	{0, 12367, 134789, 24689}	
9642:111	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{25} + e^{34}, e^{16}, e^{36} + e^{45} + e^{17}$	1/72(14, 38, 39, 52, 53, 66, 91, 80, 105)	{0, 12367, 12569, 13489, 14578, 234568, 246789, 3579}	
9642:116	$0, 0, 0, e^{12}, e^{13}, a_2e^{14}, e^{15}, e^{16} + e^{24}, e^{17} + e^{34} + e^{25}$	1/8(2, 4, 5, 6, 7, 8, 9, 10, 11)	{0, 13478, 14589, 3579}	
9642:120	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{23} + e^{16}, e^{36} + e^{45} + e^{27}$	1/329(65, 186, 195, 251, 260, 316, 325, 381, 511)	{0, 12367, 134789, 24689}	
9642:122	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{16} + e^{35}, e^{45} + e^{27} + e^{36}$	2/67(7, 20, 17, 27, 24, 34, 31, 41, 51)	{0, 134789, 1458, 3579}	
9642:123	$0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{24} + e^{15}, e^{16} + e^{34}, e^{17} + e^{26}$	9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)	{0, 2468}	
9642:126a	$0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{35}, e^{36} + e^{27}, e^{37} + e^{26}$	7/33(3, 1, 1, 4, 4, 5, 5, 6, 6)	{0, 12367, 12579, 13478, 1456789, 234589, 2468, 3569}	
9642:126b	$0, 0, 0, -e^{12}, e^{13}, -e^{25} + e^{34}, e^{24} + e^{35}, -e^{27} + e^{36}, e^{26} + e^{37}$	7/33(3, 1, 1, 4, 4, 5, 5, 6, 6)	{0, 12367, 12579, 13478, 1456789, 234589, 2468, 3569}	
9642:128	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, a_3e^{14}, e^{15} + e^{23}, e^{24} + e^{16}, e^{25} + e^{34} + e^{17}$	1/8(2, 4, 5, 6, 7, 8, 9, 10, 11)	{0, 13478, 14589, 3579}	
9642:130a	$0, 0, 0, -e^{12}, e^{13}, a_2e^{14} + e^{23}, e^{15}, e^{34} + e^{16}, e^{35} + e^{24} + e^{17}$	29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)	{0, 12569, 14589, 2468}	
9642:130b	$0, 0, 0, -e^{12}, -e^{13}, a_2e^{14} + e^{23}, e^{15}, e^{34} + e^{16}, e^{24} + e^{17} + e^{35}$	29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)	{0, 12569, 14589, 2468}	
9642:132a	$0, 0, 0, -e^{12}, e^{13}, a_2e^{14}, e^{23} + e^{15}, e^{35} + e^{24} + e^{16}, e^{34} + e^{17}$	29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)	{0, 13478, 14589, 3579}	
9642:132b	$0, 0, 0, -e^{12}, -e^{13}, a_2e^{14}, e^{23} + e^{15}, e^{35} + e^{24} + e^{16}, e^{17} + e^{34}$	29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)	{0, 13478, 14589, 3579}	
9642:143	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, a_2e^{14} + e^{26}, e^{36} + e^{15} + e^{27}$	4/17(2, 1, 2, 3, 4, 4, 5, 5, 6)	{0, 234589, 2478, 3579}	
9642:145	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{35}, e^{14} + e^{36} + e^{27}$	67/597(5, 2, 3, 7, 8, 9, 10, 11, 12)	{0, 13468}	
9642:148	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{35} + e^{26}, e^{36} + e^{15} + e^{27}$	1/8(4, 2, 3, 6, 7, 8, 9, 10, 11)	{0, 3579}	
9642:149	$0, 0, 0, -e^{12}a_1, e^{13}, e^{14}, e^{15}a_1 + e^{23}, e^{24} + e^{16}, e^{45} + e^{36} + e^{27}$	2/17(2, 4, 5, 6, 7, 8, 9, 10, 13)	{0, 134789, 1458, 3579}	
9642:150a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{16} + e^{35}, e^{45} + e^{27} + e^{36}$	1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)	{0, 134789, 1458, 3579}	
9642:150b	$0, 0, 0, -e^{12}, -e^{13}, -e^{14}, e^{23} + e^{15}, e^{16} + e^{35}, e^{27} + e^{36} + e^{45}$	1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)	{0, 134789, 1458, 3579}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
9642:153	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{25} + e^{34}, e^{16} + e^{24}, e^{17} + e^{36} + e^{45}$	$1/13(3, 6, 7, 9, 10, 12, 16, 15, 19)$	$\{\emptyset, 13489, 14578, 3579\}$	
9642:154	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{16} + e^{35}, e^{45} + e^{36} + e^{27}$	$38/389(3, 4, 5, 7, 8, 10, 11, 13, 15)$	$\{\emptyset, 134789\}$	
9642:155	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{25} + e^{34}, e^{16} + e^{35}, e^{17} + e^{45} + e^{36}$	$1/48(10, 26, 23, 36, 33, 46, 59, 56, 69)$	$\{\emptyset, 13489, 14578, 3579\}$	
9642:157	$0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{34} + e^{16}, e^{27} + e^{36} + e^{45}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12569, 1458, 24689\}$	
9642:158	$0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{16} + e^{25}, e^{36} + e^{45} + e^{27}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12569, 1458, 24689\}$	
9642:161	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{26} + e^{17}, e^{36} + e^{27} + e^{45}$	$7/33(1, 2, 3, 3, 4, 4, 5, 6, 7)$	$\{\emptyset, 12367, 13479, 2469\}$	
9642:163a	$0, 0, 0, e^{12}, e^{13}, e^{14}a_1, e^{15}, e^{34} + e^{25} + e^{16}, e^{17} + e^{35} + e^{24}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12569, 14589, 2468\}$	
9642:163b	$0, 0, 0, -e^{12}, e^{13}, e^{14}a_1, e^{15}, e^{34} + e^{16} - e^{25}, e^{35} + e^{24} + e^{17}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12569, 14589, 2468\}$	
9642:167	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24} + a_3e^{15}, e^{34} + e^{16}, e^{26} + e^{35} + e^{17}$	$9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 2468\}$	
9642:168	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{15} + e^{24}, e^{25} + e^{16} + e^{34}, e^{26} + e^{17}$	$9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 2468\}$	
9642:169	$0, 0, 0, e^{12}a_1, e^{13}, e^{23} + e^{14}, e^{24} + e^{15}, e^{16} + e^{25}, e^{17} + e^{26} + e^{35}$	$9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 2468\}$	
9642:171	$0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{15} + e^{24}, e^{16} + e^{34}, e^{27} + e^{36} + e^{45}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
9642:172	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{24}, e^{16} + e^{25}, e^{45} + e^{36} + e^{27}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
9642:175a	$0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{35} + e^{24}, e^{37} + e^{26}, e^{36} + e^{27} + e^{14}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 234589, 2469, 3568\}$	
9642:175b	$0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{35} - e^{24}, -e^{26} + e^{37}, e^{14} + e^{27} + e^{36}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 234589, 2469, 3568\}$	
9642:176a	$0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{25} + e^{34}, e^{37} + e^{26}, e^{36} + e^{14} + e^{27}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12569, 13468, 234589\}$	
9642:176b	$0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{35}, -e^{25} + e^{34}, e^{37} - e^{26}, e^{36} + e^{27} + e^{14}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12569, 13468, 234589\}$	
9642:177	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{24}, e^{17} + e^{26}, e^{27} + e^{45} + e^{36}$	$7/53(2, 3, 4, 5, 6, 7, 8, 10, 11)$	$\{\emptyset, 2469\}$	
9642:178a	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14}, e^{15} + e^{23}, e^{35} + e^{16} + a_3e^{24}, e^{34} + e^{17} + e^{25}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13478, 14589, 3579\}$	
9642:178b	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, -e^{14}, e^{15} + e^{23}, e^{16} + e^{35} + a_3e^{24}, e^{17} + e^{25} + e^{34}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13478, 14589, 3579\}$	
9642:182	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + a_3e^{15}, e^{16} + e^{34} + e^{25}, e^{17} + e^{35} + e^{26}$	$9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 2468\}$	
9642:183	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, a_2e^{14} + e^{35} + e^{26}, e^{36} + e^{15} + e^{27}$	$1/8(4, 2, 3, 6, 7, 8, 9, 10, 11)$	$\{\emptyset, 3579\}$	
9642:184a	$0, 0, 0, -e^{12}a_1, e^{13}, e^{14}, e^{15}a_1 + e^{23}, e^{24} + e^{35} + e^{16}, e^{45} + e^{36} + e^{27}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 134789, 1458, 3579\}$	
9642:184b	$0, 0, 0, -e^{12}a_1, -e^{13}, -e^{14}, e^{15}a_1 + e^{23}, e^{16} + e^{24} + e^{35}, e^{45} + e^{27} + e^{36}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 134789, 1458, 3579\}$	
9642:186	$0, 0, 0, -e^{12}, -e^{13}, -e^{14}, e^{15} + e^{24}, e^{16} + e^{25} + e^{34}, e^{27} + e^{36} + e^{45}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
9642:187a	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{25} + e^{34}, e^{16} + e^{24} + e^{35}, e^{45} + e^{17} + e^{36}$	$31/129(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 13489, 14578, 3579\}$	
9642:187b	$0, 0, 0, -e^{12}, e^{13}, 2e^{14}, -e^{25} + e^{34}, e^{16} + e^{24} + e^{35}, e^{17} + e^{45} + e^{36}$	$31/129(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 13489, 14578, 3579\}$	
9642:190	$0, 0, 0, -e^{12}a_1, -(-1 + a_1)e^{13}, -(-1 + a_1)e^{14} + e^{23}, e^{15}a_1, e^{16} + e^{34} + e^{25}, e^{27} + e^{36} + e^{45}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12569, 1458, 24689\}$	
9642:192	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{35} + e^{17} + e^{26}, e^{36} + e^{45} + e^{27}$	$7/53(2, 3, 4, 5, 6, 7, 8, 10, 11)$	$\{\emptyset, 2469\}$	
9642:194	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{15}a_4 + e^{24}, e^{25} + e^{34} + e^{16}, e^{26} + e^{35} + e^{17}$	$9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 2468\}$	
9642:197	$0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, a_2e^{14} + e^{23}, -(-1 + a_2)e^{15} + e^{24}, e^{34} + e^{25} + e^{16}, e^{27} + e^{45} + e^{36}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
9642:198a	$0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{35} + e^{24}, e^{14}a_1 + e^{27} + e^{36}, e^{26} + e^{15} + e^{37}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 234589, 2468, 3569\}$	
9642:198b	$0, 0, 0, -e^{12}, e^{13}, -e^{25} + e^{34}, e^{35} + e^{24}, e^{14}a_1 - e^{27} + e^{36}, e^{15} + e^{26} + e^{37}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 234589, 2468, 3569\}$	
9642:199a	$0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24}a_4 + e^{35}, e^{26}a_4 + e^{14} + e^{37}, e^{15} + e^{36} + e^{27}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12578, 13479, 234589\}$	
9642:199b	$0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24}a_4 + e^{35}, e^{26}a_4 - e^{14} + e^{37}, e^{27} + e^{15} + e^{36}$	$14/53(2, 1, 1, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12578, 13479, 234589\}$	
9642:200	$0, 0, 0, -e^{12}, e^{13}, e^{23}a_4 + e^{14}, e^{24} + e^{15}, e^{35} + e^{26} + e^{17}, e^{27} + e^{36} + e^{45}$	$7/53(2, 3, 4, 5, 6, 7, 8, 10, 11)$	$\{\emptyset, 2469\}$	
96321:6	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{47} + e^{28}$	$1/233(50, 94, 185, 144, 235, 279, 194, 244, 338)$	$\{\emptyset, 12379, 125679, 134689, 14589, 234578, 24678, 356\}$	
96321:9	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{18} + e^{25} + e^{34}$	$3/221(16, 39, 48, 55, 64, 87, 71, 87, 103)$	$\{\emptyset, 12379, 13468, 246789\}$	
96321:11a	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{17}, e^{47} + e^{35} + e^{28}$	$2/131(13, 31, 44, 44, 57, 75, 57, 70, 101)$	$\{\emptyset, 12379, 125679, 134689, 14589, 234578, 24678, 356\}$	
96321:11b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{14}, e^{17}, e^{35} + e^{28} + e^{47}$	$2/131(13, 31, 44, 44, 57, 75, 57, 70, 101)$	$\{\emptyset, 12379, 125679, 134689, 14589, 234578, 24678, 356\}$	
96321:17	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{17}, e^{27} + e^{35} + e^{18}$	$21/173(2, 4, 5, 6, 7, 9, 8, 10, 12)$	$\{\emptyset, 356\}$	
96321:19a	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{17} + e^{24}, e^{28} + e^{35} + e^{47}$	$17/77(1, 2, 3, 3, 4, 5, 4, 5, 7)$	$\{\emptyset, 134689, 14589, 356\}$	
96321:19b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{14}, e^{17} + e^{24}, e^{47} + e^{28} + e^{35}$	$17/77(1, 2, 3, 3, 4, 5, 4, 5, 7)$	$\{\emptyset, 134689, 14589, 356\}$	
96321:23	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{27} + e^{15}, e^{47} + e^{18}$	$4/185(11, 15, 34, 26, 45, 49, 41, 56, 67)$	$\{\emptyset, 125679, 134678, 234589\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
96321:26a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{27} + e^{15}, e^{18} + e^{36} + e^{47}$	$4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)$	$\{\emptyset, 125679, 134678, 234589\}$	
96321:26b	$0, 0, 0, e^{12}, e^{13}, -e^{23}, e^{24}, e^{15} + e^{27}, e^{18} + e^{47} + e^{36}$	$4/13(1, 1, 2, 2, 3, 3, 3, 4, 5)$	$\{\emptyset, 125679, 134678, 234589\}$	
9653:2	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15}, e^{13} + e^{26}, e^{25} + e^{16}$	$1/135(40, 43, 129, 83, 123, 126, 163, 169, 166)$	$\{\emptyset, 123556, 14678, 234578\}$	
9653:3	$0, 0, 0, e^{12}, e^{14}, e^{24}, e^{15} + e^{23}, e^{13} + e^{26}, e^{25} + e^{16}$	$25/81(1, 1, 3, 2, 3, 3, 4, 4)$	$\{\emptyset, 12356\}$	
9653:4	$0, 0, 0, e^{12}, e^{14}, e^{13} + e^{24}, e^{15}, e^{26} + e^{34}, e^{16} + e^{25}$	$1/75(20, 27, 54, 47, 67, 74, 87, 101, 94)$	$\{\emptyset, 1256, 14678, 24578\}$	
9641:7	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{25} + e^{34}, e^{16}$	$5/49(2, 6, 5, 8, 7, 10, 12, 13, 12)$	$\{\emptyset, 123678, 12567, 13479, 145789, 234569, 24689, 358\}$	
9641:8	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{34} + e^{25}, e^{26}$	$1/39(22, 9, 14, 31, 36, 40, 50, 45, 49)$	$\{\emptyset, 123678, 12567, 134679, 1456789, 23459, 2489, 358\}$	
9641:14	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{34} + e^{25}, e^{16}$	$1/179(37, 104, 116, 141, 153, 178, 190, 257, 215)$	$\{\emptyset, 123678, 1256, 13479, 14589, 2345679, 24689, 3578\}$	
9641:16	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{25} + e^{34}, e^{26}$	$2/39(7, 6, 11, 13, 18, 19, 25, 24, 25)$	$\{\emptyset, 123678, 1256, 134679, 145689, 234579, 2489, 3578\}$	
9641:22	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34}, e^{16}$	$1/225(58, 100, 153, 158, 211, 216, 258, 311, 274)$	$\{\emptyset, 123678, 12567, 13479, 145789, 234569, 24689, 358\}$	
9641:23	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{25} + e^{34}, e^{26}$	$1/225(100, 58, 139, 158, 239, 216, 258, 297, 274)$	$\{\emptyset, 123678, 12567, 13469, 145689, 234579, 24789, 358\}$	
9641:35a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{25}, e^{35} + e^{24}, e^{16}$	$10/131(3, 7, 7, 10, 10, 13, 17, 17, 16)$	$\{\emptyset, 123678, 12568, 13489, 145789, 234569, 24679, 357\}$	✓
9641:35b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, -e^{25} + e^{34}, e^{35} + e^{24}, e^{16}$	$10/131(3, 7, 7, 10, 10, 13, 17, 17, 16)$	$\{\emptyset, 123678, 12568, 13489, 145789, 234569, 24679, 357\}$	✓
9641:36	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{14}, e^{25} + e^{34}, e^{26}$	$1/75(40, 18, 29, 58, 69, 76, 98, 87, 94)$	$\{\emptyset, 123678, 12567, 358\}$	
9641:37	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{34} + e^{25}, e^{35} + e^{16}$	$1/58(14, 34, 31, 48, 45, 62, 59, 79, 76)$	$\{\emptyset, 13479, 14589, 3578\}$	
9641:38	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{34} + e^{25}, e^{26} + e^{35}$	$2/37(7, 6, 9, 13, 16, 19, 23, 22, 25)$	$\{\emptyset, 134679, 145689, 3578\}$	
9641:39	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{25} + e^{34}, e^{15} + e^{26}$	$1/501(239, 144, 193, 383, 432, 527, 625, 576, 671)$	$\{\emptyset, 12567, 134679, 23459\}$	
9641:43	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{34} + e^{25}, e^{23} + e^{16}$	$1/61(13, 35, 39, 48, 52, 61, 65, 87, 74)$	$\{\emptyset, 123678, 13479, 24689\}$	
9641:50	$0, 0, 0, e^{12}, a_1 e^{13}, e^{14}, e^{35}, e^{23} + e^{15}, e^{24} + e^{16}$	$1/67(18, 36, 35, 54, 53, 72, 88, 71, 90)$	$\{\emptyset, 134789, 14579, 358\}$	
9641:52	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{25} + e^{34}, e^{16}$	$1/389(97, 179, 261, 276, 358, 373, 455, 537, 470)$	$\{\emptyset, 123678, 13479, 24689\}$	
9641:53	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{35}, e^{25} + e^{16}$	$3/92(8, 15, 16, 23, 24, 31, 38, 40, 39)$	$\{\emptyset, 125678, 145789, 2469\}$	
9641:55	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34}, e^{16} + e^{35}$	$1/225(67, 100, 117, 167, 184, 234, 267, 284, 301)$	$\{\emptyset, 13479, 145789, 358\}$	
9641:56	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{25} + e^{34}, e^{26} + e^{35}$	$1/19(8, 6, 9, 14, 17, 20, 22, 23, 26)$	$\{\emptyset, 13469, 145689, 358\}$	
9641:57	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{25} + e^{34}, e^{16} + e^{24}$	$5/213(11, 22, 21, 33, 32, 44, 53, 54, 55)$	$\{\emptyset, 13479, 145789, 358\}$	
9641:58	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{34} + e^{25}, e^{14} + e^{26}$	$1/423(218, 109, 162, 327, 380, 436, 542, 489, 545)$	$\{\emptyset, 23459, 2489, 358\}$	
9641:59	$0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{24}, e^{35}, e^{16} + e^{34}$	$3/92(8, 15, 16, 23, 24, 31, 38, 40, 39)$	$\{\emptyset, 125678, 145789, 2469\}$	
9641:63	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{15}, e^{25} + e^{16}$	$1/148(44, 67, 88, 111, 132, 155, 178, 176, 199)$	$\{\emptyset, 12567, 14579, 2469\}$	
9641:64	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14}, e^{34} + e^{25}, e^{26} + e^{15}$	$1/425(160, 137, 251, 297, 411, 434, 457, 548, 571)$	$\{\emptyset, 12567, 13469, 234579\}$	
9641:65	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{34}, e^{24} + e^{16}$	$1/8(2, 4, 5, 6, 7, 8, 9, 11, 10)$	$\{\emptyset, 13479, 14589, 3578\}$	
9641:67	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{15}, e^{16} + e^{34}$	$1/148(44, 67, 88, 111, 132, 155, 178, 176, 199)$	$\{\emptyset, 12567, 14579, 2469\}$	
9641:68	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{16} + e^{34} + e^{25}$	$3/92(8, 15, 16, 23, 24, 31, 38, 40, 39)$	$\{\emptyset, 125678, 145789, 2469\}$	
9641:72a	$0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{35} + e^{24}, e^{16} + e^{25}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12568, 14589, 2469\}$	
9641:72b	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{24} + e^{35}, e^{25} + e^{16}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12568, 14589, 2469\}$	
9641:77a	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{24} + e^{35}, e^{16} + e^{34}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12568, 14589, 2469\}$	
9641:77b	$0, 0, 0, -e^{12}, -e^{13}, e^{14} + e^{23}, e^{15}, e^{35} + e^{24}, e^{16} + e^{34}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12568, 14589, 2469\}$	
9641:79	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}, e^{25} + e^{34} + e^{16}$	$1/148(44, 67, 88, 111, 132, 155, 178, 176, 199)$	$\{\emptyset, 12567, 14579, 2469\}$	
9641:82	$0, 0, 0, a_2 e^{12}, a_2 e^{13}, e^{14}, e^{15} + e^{23}, e^{25} + e^{34}, e^{16} + e^{24}$	$1/8(2, 4, 5, 6, 7, 8, 9, 11, 10)$	$\{\emptyset, 13479, 14589, 3578\}$	
9641:84a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{24}, e^{34} + e^{25} + e^{16}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12568, 14589, 2469\}$	✓
9641:84b	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35} - e^{24}, e^{16} + e^{25} + e^{34}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 12568, 14589, 2469\}$	✓
9641:85a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{34}, e^{24} + e^{35} + e^{16}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13479, 14589, 3578\}$	✓
9641:85b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{34} - e^{25}, e^{35} + e^{16} + e^{24}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13479, 14589, 3578\}$	✓
9641:88	$0, 0, 0, (-1 + a_2)e^{12}, a_2 e^{13}, e^{14} + e^{23}, e^{24}, e^{35}, e^{16} + e^{25} + e^{34}$	$3/92(8, 15, 16, 23, 24, 31, 38, 40, 39)$	$\{\emptyset, 125678, 145789, 2469\}$	
9641:90	$0, 0, 0, (-1 + a_2)e^{12}, a_2 e^{13}, e^{23} + e^{14}, e^{24}, e^{15}, e^{34} + e^{25} + e^{16}$	$1/148(44, 67, 88, 111, 132, 155, 178, 176, 199)$	$\{\emptyset, 12567, 14579, 2469\}$	
9641:91	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, a_2 e^{24} + e^{35}, e^{16} + e^{25} + e^{34}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 14589\}$	
9641:92a	$0, 0, 0, e^{12}, a_1 e^{13}, e^{14}, e^{15} + e^{23}, e^{34} + \frac{e^{25}}{a_1}, e^{24} + e^{35} + e^{16}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13479, 14589, 3578\}$	
9641:92b	$0, 0, 0, -e^{12}, a_1 e^{13}, e^{14}, e^{15} + e^{23}, e^{34} - \frac{e^{25}}{a_1}, e^{16} + e^{24} + e^{35}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13479, 14589, 3578\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
9641:94a	$0, 0, 0, a_1 e^{12}, (1 + a_1) e^{13}, e^{14} + e^{23}, e^{15}, e^{24} + e^{35}, e^{16} + e^{25} + e^{34}$	29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)	{0, 12568, 14589, 2469}	
9641:94b	$0, 0, 0, a_1 e^{12}, (1 + a_1) e^{13}, e^{14} + e^{23}, e^{15}, e^{35} - e^{24}, e^{34} + e^{25} + e^{16}$	29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)	{0, 12568, 14589, 2469}	
9641:97	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{17} + e^{26}$	1/39(12, 15, 20, 27, 32, 39, 42, 52, 54)	{0, 123678, 125678, 13478, 14578, 23456, 246, 35}	
9641:99	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}, e^{26} + e^{17}$	1/31(7, 14, 24, 21, 31, 28, 35, 38, 42)	{0, 123678, 12567, 13478, 1457, 234568, 246, 358}	
9641:105	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}, e^{17} + e^{26} + e^{35}$	1/29(8, 13, 17, 21, 25, 29, 34, 33, 42)	{0, 234568, 246, 358}	
9641:106a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34}, e^{27} + e^{16}$	1/3(1, 1, 2, 2, 3, 3, 3, 4, 4)	{0, 123678, 12567, 13479, 145789, 234569, 24689, 358}	
9641:106b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{24}, e^{34} + e^{25}, e^{16} + e^{27}$	1/3(1, 1, 2, 2, 3, 3, 3, 4, 4)	{0, 123678, 12567, 13479, 145789, 234569, 24689, 358}	
9641:107	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34}, e^{17} + e^{26}$	1/3(1, 1, 2, 2, 3, 3, 3, 4, 4)	{0, 123678, 12567, 1347, 14578, 23456, 2468, 358}	
9641:110	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{15}, e^{16} + e^{27} + e^{35}$	53/367(2, 3, 4, 5, 6, 8, 7, 8, 10)	{0, 247}	
9641:112a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34}, e^{27} + e^{16} + e^{35}$	43/243(2, 2, 3, 4, 5, 6, 6, 7, 8)	{0, 13479, 145789, 358}	
9641:112b	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{24}, e^{25} + e^{34}, e^{16} + e^{27} + e^{35}$	43/243(2, 2, 3, 4, 5, 6, 6, 7, 8)	{0, 13479, 145789, 358}	
9641:113	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34}, e^{17} + e^{26} + e^{35}$	1/41(14, 15, 22, 29, 36, 43, 44, 51, 58)	{0, 23456, 2468, 358}	
9641:144	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{25} + e^{34}, e^{17} + e^{26}$	20/531(7, 10, 16, 17, 23, 27, 30, 33, 37)	{0, 123678, 125689, 145689, 234579}	
9641:145	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{25} + e^{34}, e^{37} + e^{26}$	1/27(16, 7, 7, 23, 23, 30, 30, 30, 37)	{0, 123678, 1456789, 23459}	
9641:146	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{14}, e^{27} + e^{36}$	4/17(2, 1, 2, 3, 4, 4, 5, 5, 6)	{0, 123678, 125689, 1346, 145679, 234589, 2478, 3579}	
9641:147	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24} + e^{15}, e^{35}, e^{26} + e^{17}$	5/223(13, 18, 23, 31, 36, 44, 49, 59, 62)	{0, 123678, 12569, 13468, 145679, 234589, 247, 35789}	
9641:148	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{15}, e^{36} + e^{27}$	1/185(78, 55, 74, 133, 152, 188, 207, 230, 262)	{0, 123678, 125689, 13468, 1456789, 23459, 247, 3579}	
9641:149	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{35}, e^{36} + e^{27}$	1/17(10, 4, 14, 15, 18, 19, 20, 23)	{0, 123678, 125689, 134789, 1458, 234567, 2469, 3579}	
9641:152	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{24}, e^{45} + e^{27} + e^{36}$	2/17(2, 4, 5, 6, 7, 8, 9, 10, 13)	{0, 123678, 1347, 2468}	
9641:155	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{25} + e^{34}, e^{17} + e^{26}$	2/41(5, 9, 13, 14, 18, 19, 23, 27, 28)	{0, 123678, 125689, 3579}	
9641:156	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{35} + e^{14}, e^{36} + e^{27}$	1/8(4, 2, 3, 6, 7, 8, 9, 10, 11)	{0, 123678, 125689, 3579}	
9641:158a	$0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{35} + e^{24}, e^{14}, e^{37} + e^{26}$	4/99(11, 8, 8, 19, 19, 27, 27, 30, 35)	{0, 123678, 125789, 1347, 145679, 234589, 2468, 3569}	
9641:158b	$0, 0, 0, -e^{12}, e^{13}, -e^{25} + e^{34}, e^{24} + e^{35}, e^{14}, e^{37} + e^{26}$	4/99(11, 8, 8, 19, 19, 27, 27, 30, 35)	{0, 123678, 125789, 1347, 145679, 234589, 2468, 3569}	
9641:159a	$0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{34} + e^{25}, e^{14}, e^{37} + e^{26}$	4/99(11, 8, 8, 19, 19, 27, 27, 30, 35)	{0, 123678, 12568, 13469, 145679, 234589, 24789, 357}	
9641:159b	$0, 0, 0, e^{12}, e^{13}, e^{35} - e^{24}, e^{34} + e^{25}, e^{14}, e^{26} + e^{37}$	4/99(11, 8, 8, 19, 19, 27, 27, 30, 35)	{0, 123678, 12568, 13469, 145679, 234589, 24789, 357}	
9641:162	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35}, e^{25} + e^{34}, e^{16} + e^{24} + e^{37}$	8/85(3, 6, 4, 9, 7, 12, 11, 13, 15)	{0, 145789}	
9641:163	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35}, e^{34} + e^{25}, e^{37} + e^{14} + e^{26}$	27/97(2, 1, 1, 3, 3, 4, 4, 4, 5)	{0, 23459}	
9641:166a	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{24} + e^{35}, e^{45} + e^{36} + e^{27}$	1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)	{0, 123678, 125689, 134789, 1458, 234567, 2469, 3579}	
9641:166b	$0, 0, 0, -e^{12}, -e^{13}, -e^{14}, e^{15}, e^{24} + e^{35}, e^{45} + e^{27} + e^{36}$	1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)	{0, 123678, 125689, 134789, 1458, 234567, 2469, 3579}	
9641:167	$0, 0, 0, -e^{12}, -e^{13}, -e^{14}, e^{15}, e^{34} + e^{25}, e^{27} + e^{36} + e^{45}$	1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)	{0, 123678, 12569, 13479, 1458, 234567, 24689, 35789}	
9641:170	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{35}, e^{27} + e^{14} + e^{36}$	1/309(173, 77, 96, 250, 269, 327, 346, 365, 423)	{0, 125689, 13468, 23459}	
9641:171	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{35}, e^{27} + e^{36} + e^{15}$	3/67(12, 6, 7, 18, 19, 24, 25, 26, 31)	{0, 23459, 247, 3579}	
9641:173	$0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{24}, e^{36} + e^{27} + e^{45}$	6/67(3, 5, 6, 8, 9, 11, 12, 13, 17)	{0, 125689, 1458, 2469}	
9641:175	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{34} + e^{25}, e^{24}, e^{17} + e^{45} + e^{36}$	1/72(20, 30, 37, 50, 57, 70, 87, 80, 107)	{0, 123678, 125689, 13489, 14578, 23456, 24679, 3579}	
9641:176	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{35}, e^{27} + e^{36} + e^{45}$	2/99(16, 19, 22, 35, 38, 51, 54, 60, 73)	{0, 123678, 134789, 2469}	
9641:180	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{25} + e^{34}, e^{35}, e^{17} + e^{36} + e^{45}$	1/72(18, 38, 31, 56, 49, 74, 87, 80, 105)	{0, 123678, 125689, 13489, 14578, 23456, 24679, 3579}	
9641:181	$0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{24}, e^{34} + e^{25}, e^{17} + e^{26}$	9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)	{0, 2468}	
9641:187	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{34} + e^{25}, e^{35} + e^{17} + e^{26}$	9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)	{0, 2468}	
9641:194	$0, 0, 0, -e^{12}, -e^{13}, -e^{14}, e^{15} + e^{24}, e^{25} + e^{34}, e^{27} + e^{36} + e^{45}$	5/87(5, 7, 9, 12, 14, 17, 19, 21, 26)	{0, 123678, 13479, 24689}	
9641:197a	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{34} + e^{25}, e^{35} + e^{24}, e^{45} + e^{36} + e^{17}$	1/11(3, 5, 5, 8, 8, 11, 13, 13, 16)	{0, 123678, 125689, 13489, 14578, 23456, 24679, 3579}	
9641:197b	$0, 0, 0, -e^{12}, e^{13}, 2e^{14}, e^{34} - e^{25}, e^{35} + e^{24}, e^{17} + e^{36} + e^{45}$	1/11(3, 5, 5, 8, 8, 11, 13, 13, 16)	{0, 123678, 125689, 13489, 14578, 23456, 24679, 3579}	
9641:205	$0, 0, 0, e^{12}, e^{13}, e^{35} + 2e^{14}, e^{25} + e^{34}, e^{24}, e^{36} + e^{17} + e^{45}$	1/24(8, 10, 9, 18, 17, 26, 27, 38, 35)	{0, 123678, 125689, 3579}	
9641:206	$0, 0, 0, a_1 e^{12}, a_1 e^{13}, e^{14} + e^{23}, e^{15} + e^{24}, e^{34} + e^{25}, e^{17} + e^{35} + e^{26}$	9/64(2, 3, 4, 5, 6, 7, 8, 9, 10)	{0, 2468}	
9641:214	$0, 0, 0, e^{12}, e^{13}, -e^{15} + e^{24}, e^{14} + e^{35}, e^{25} + e^{34}, e^{37} + e^{26} + e^{45}$	10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)	{0, 123678}	
9641:216	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{38} + e^{17} + e^{26}$	1/93(33, 36, 35, 69, 68, 102, 105, 103, 138)	{0, 123678, 13478, 246}	
9641:218	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{25} + e^{34}, e^{37} + e^{16} + e^{28}$	4/371(37, 26, 48, 63, 85, 100, 89, 111, 137)	{0, 123678, 145789, 234569}	
9641:219a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{24} + e^{35}, e^{37} + e^{26} + e^{18}$	1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)	{0, 123678, 12568, 13478, 1458, 234567, 246, 357}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
9641:219b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{24}, e^{18} + e^{37} + e^{26}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 123678, 12568, 13478, 1458, 234567, 246, 357\}$	
9641:220	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{34} + e^{25}, e^{27} + e^{36} + e^{18}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 123678, 12569, 13479, 1458, 234567, 24689, 35789\}$	
9641:222a	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{25} + e^{34}, e^{17} + e^{28} + e^{36}$	$5/101(7, 7, 9, 14, 16, 21, 23, 23, 30)$	$\{\emptyset, 123678, 12569, 13467, 145689, 234579, 248, 35789\}$	
9641:222b	$0, 0, 0, e^{12}, e^{13}, e^{24}, -e^{15}, e^{34} + e^{25}, e^{17} + e^{28} + e^{36}$	$5/101(7, 7, 9, 14, 16, 21, 23, 23, 30)$	$\{\emptyset, 123678, 12569, 13467, 145689, 234579, 248, 35789\}$	
9641:226	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{25} + e^{34}, e^{36} + e^{18} + e^{27}$	$5/87(5, 7, 9, 12, 14, 17, 19, 21, 26)$	$\{\emptyset, 123678, 13479, 24689\}$	
9641:227a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{24} + e^{35}, e^{27} + e^{16} + e^{38}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678, 145789, 234569\}$	
9641:227b	$0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{34} - e^{25}, e^{35} + e^{24}, e^{38} + e^{27} + e^{16}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678, 145789, 234569\}$	
9641:228a	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{35} + e^{24}, e^{37} + e^{16} + e^{28}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678, 12568, 13489, 145789, 234569, 24679, 357\}$	
9641:228b	$0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, -e^{24} + e^{35}, e^{37} + e^{16} + e^{28}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678, 12568, 13489, 145789, 234569, 24679, 357\}$	
9641:228c	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{34} + e^{25}, e^{35} + e^{24}, e^{28} + e^{37} + e^{16}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678, 12568, 13489, 145789, 234569, 24679, 357\}$	
9641:228d	$0, 0, 0, e^{12}, e^{13}, -e^{14}, e^{34} + e^{25}, e^{35} - e^{24}, e^{28} + e^{37} + e^{16}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678, 12568, 13489, 145789, 234569, 24679, 357\}$	
9641:229	$0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{14}, e^{25} + e^{34}, e^{27} + e^{16} + e^{38}$	$1/19(8, 6, 7, 14, 15, 20, 22, 21, 28)$	$\{\emptyset, 123678, 12567, 358\}$	
9641:230	$0, 0, 0, e^{12}, e^{13}, 2e^{14}, e^{24}, e^{25} + e^{34}, e^{36} + e^{18} + e^{27} + e^{45}$	$5/87(5, 7, 9, 12, 14, 17, 19, 21, 26)$	$\{\emptyset, 123678, 13479, 24689\}$	
9641:231	$0, 0, 0, e^{12}(-1 + a_3), e^{13}(-1 + a_3), e^{14}a_3, -(2 + a_3)e^{15}, e^{34} + e^{25}, e^{45} + e^{36} + e^{18} + e^{27}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 123678, 12569, 13479, 1458, 234567, 24689, 35789\}$	
9641:234	$0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{35} + e^{14}, e^{25} + e^{34}, e^{38} + e^{27} + e^{16}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678\}$	
9641:235	$0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{35} + e^{14}, e^{25} + e^{34}, e^{18} + e^{37} + e^{26}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678\}$	
9641:238	$0, 0, 0, e^{12}(-1 + a_3), e^{13}(-1 + a_3), e^{14}a_3, -(2 + a_3)e^{15} + e^{24}, e^{25} + e^{34}, e^{27} + e^{18} + e^{36} + e^{45}$	$5/87(5, 7, 9, 12, 14, 17, 19, 21, 26)$	$\{\emptyset, 123678, 13479, 24689\}$	
9641:239	$0, 0, 0, e^{12}, e^{13}, 2e^{14} + e^{35}, e^{25} + e^{34}, e^{45} + e^{37} + e^{18} + e^{26}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678\}$	
9641:241	$0, 0, 0, a_2e^{12}, a_2e^{13}, -(-1 + a_2)e^{15} + e^{24}, e^{14}(1 + a_2) + e^{35}, e^{34} + e^{25}, e^{18} + e^{26} + e^{37} + e^{45}$	$10/27(1, 1, 1, 2, 2, 3, 3, 3, 4)$	$\{\emptyset, 123678\}$	
9631:7	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25} + e^{34}, e^{17}$	$1/8(2, 4, 5, 6, 7, 9, 8, 11, 10)$	$\{\emptyset, 12378, 12567, 13469, 14589, 234579, 246789, 3568\}$	
9631:27	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{34} + e^{25}, e^{35} + e^{17}$	$1/81(21, 44, 43, 65, 64, 87, 86, 108, 107)$	$\{\emptyset, 13469, 14589, 3568\}$	
9631:39	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{34} + e^{25} + e^{16}, e^{17}$	$1/8(2, 4, 5, 6, 7, 9, 8, 11, 10)$	$\{\emptyset, 12378, 12567, 13469, 14589, 234579, 246789, 3568\}$	
9631:41	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{16} + e^{25}, e^{17} + e^{35}$	$1/81(21, 44, 43, 65, 64, 87, 86, 108, 107)$	$\{\emptyset, 13469, 14589, 3568\}$	
9631:43	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{16} + e^{25}, e^{35} + e^{27}$	$3/92(14, 10, 15, 24, 29, 25, 34, 39, 44)$	$\{\emptyset, 134679, 145789, 3568\}$	
9631:45	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{35}, e^{25} + e^{34} + e^{17}$	$1/221(55, 133, 110, 188, 165, 243, 243, 275, 298)$	$\{\emptyset, 125678, 14589, 24679\}$	
9631:48	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25} + e^{34}, e^{17} + e^{36}$	$3/92(10, 14, 15, 24, 25, 29, 34, 39, 44)$	$\{\emptyset, 234579, 246789, 3568\}$	
9631:53	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{17} + e^{25} + e^{34}$	$1/88(25, 48, 50, 73, 75, 98, 98, 100, 123)$	$\{\emptyset, 12567, 1459, 24679\}$	
9631:60	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25} + e^{34}, e^{17} + e^{26}$	$1/389(128, 151, 233, 279, 361, 384, 407, 512, 535)$	$\{\emptyset, 12567, 13469, 234579\}$	
9631:68	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{34} + e^{25} + e^{16}, e^{17} + e^{35}$	$1/81(21, 44, 43, 65, 64, 87, 86, 108, 107)$	$\{\emptyset, 13469, 14589, 3568\}$	
9631:69	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{24}, e^{34} + e^{16} + e^{25}, e^{27} + e^{35}$	$3/92(14, 10, 15, 24, 29, 25, 34, 39, 44)$	$\{\emptyset, 134679, 145789, 3568\}$	
9631:73	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{17} + e^{25} + e^{34}$	$1/197(65, 81, 130, 146, 195, 211, 211, 227, 276)$	$\{\emptyset, 125678, 14589, 24679\}$	
9631:78	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25} + e^{16}, e^{35} + e^{26} + e^{17}$	$71/657(3, 4, 5, 7, 8, 9, 10, 12, 13)$	$\{\emptyset, 13469\}$	
9631:80	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{24}, e^{16} + e^{25} + e^{34}, e^{15} + e^{27}$	$1/389(151, 128, 233, 279, 384, 361, 407, 512, 535)$	$\{\emptyset, 12567, 134679, 23459\}$	
9631:81a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{35}, e^{25} + e^{34} + e^{17}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 125678, 14589, 24679\}$	✓
9631:81b	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, -e^{24} + e^{35}, e^{25} + e^{17} + e^{34}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 125678, 14589, 24679\}$	✓
9631:82a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{34} + e^{25}, e^{17} + e^{35} + e^{24}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13469, 14589, 3568\}$	✓
9631:82b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, -e^{25} + e^{34}, e^{17} + e^{35} + e^{24}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13469, 14589, 3568\}$	✓
9631:84	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{34} + e^{25}, e^{35} + e^{17} + e^{26}$	$71/657(3, 4, 5, 7, 8, 9, 10, 12, 13)$	$\{\emptyset, 13469\}$	
9631:91	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{17} + e^{34} + e^{25}$	$17/111(2, 3, 4, 5, 6, 7, 8, 9)$	$\{\emptyset, 24679\}$	
9631:92	$0, 0, 0, a_1e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{26} + e^{35} + e^{17}$	$35/317(3, 4, 5, 7, 8, 9, 10, 11, 13)$	$\{\emptyset, 134689\}$	
9631:95a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{25} + e^{16}, e^{35} + e^{17} + e^{24}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13469, 14589, 3568\}$	
9631:95b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{16} + e^{25}, e^{17} + e^{35} + e^{24}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13469, 14589, 3568\}$	
9631:103	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{34} + e^{25} + e^{16}, e^{35} + e^{26} + e^{17}$	$71/657(3, 4, 5, 7, 8, 9, 10, 12, 13)$	$\{\emptyset, 13469\}$	
9631:104a	$0, 0, 0, a_1e^{12}, e^{13}, e^{23}, e^{14}, (1 + a_1)e^{25} + e^{16} + e^{34}, e^{35} + e^{24} + e^{17}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13469, 14589, 3568\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
9631:104b	$0, 0, 0, -a_1 e^{12}, -e^{13}, e^{23}, e^{14}, e^{25}(-1 + a_1) + e^{34} + e^{16}, e^{24} + e^{35} + e^{17}$	$29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 13469, 14589, 3568\}$	
9631:108	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{27} + e^{18}$	$1/61(21, 21, 47, 42, 68, 68, 63, 63, 84)$	$\{\emptyset, 12378, 125678, 13468, 1458, 23457, 2467, 356\}$	
9631:134	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{18} + e^{27}$	$1/58(14, 27, 40, 41, 54, 67, 55, 68, 82)$	$\{\emptyset, 12378, 13468, 2467\}$	
9631:139	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{37} + e^{45} + e^{28}$	$1/55(13, 30, 30, 43, 43, 60, 56, 56, 86)$	$\{\emptyset, 12378, 125679, 134689, 145, 234578, 24679, 35689\}$	
9631:142	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{27} + e^{18} + e^{35}$	$13/88(2, 3, 4, 5, 6, 7, 7, 8, 10)$	$\{\emptyset, 2467\}$	
9631:144	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{36} + e^{18} + e^{27}$	$71/661(3, 4, 5, 7, 8, 9, 10, 11, 14)$	$\{\emptyset, 13468\}$	
9631:145	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{28} + e^{37} + e^{45}$	$1/107(29, 46, 63, 75, 92, 109, 104, 121, 167)$	$\{\emptyset, 12378, 134689, 24679\}$	
9631:156	$0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{25} - 2e^{16} + e^{34}, e^{24}, e^{17} + e^{45}$	$1/72(18, 31, 39, 49, 57, 70, 88, 80, 106)$	$\{\emptyset, 12378, 125689, 134689, 14578, 2345, 24679, 35679\}$	
9631:157	$0, 0, 0, -2e^{12}, -e^{13}, e^{23}, e^{16} + e^{34} + e^{25}, e^{14}, e^{37} + e^{56}$	$1/76(28, 36, 25, 64, 53, 61, 89, 92, 114)$	$\{\emptyset, 12378, 12568, 13469, 14579, 234589, 246789, 3567\}$	
9631:159a	$0, 0, 0, e^{12}, -e^{13}, e^{23}, -2e^{16} + e^{25} + e^{34}, e^{24} + e^{35}, e^{17} + e^{45}$	$1/40(10, 19, 19, 29, 29, 38, 48, 48, 58)$	$\{\emptyset, 12378, 125689, 134689, 14578, 2345, 24679, 35679\}$	
9631:159b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, -e^{25} + 2e^{16} + e^{34}, e^{24} + e^{35}, e^{17} + e^{45}$	$1/40(10, 19, 19, 29, 29, 38, 48, 48, 58)$	$\{\emptyset, 12378, 125689, 134689, 14578, 2345, 24679, 35679\}$	
9631:161	$0, 0, 0, -e^{12}, -2e^{13}, -e^{23}, e^{16} + e^{25} + e^{34}, e^{35} + e^{14}, e^{46} + e^{27}$	$19/293(7, 5, 6, 12, 13, 11, 18, 19, 23)$	$\{\emptyset, 12378, 125689, 35679\}$	
9631:167	$0, 0, 0, -e^{12}, -2e^{13}, -e^{23}, e^{34} + e^{25} + e^{16}, e^{14}, e^{46} + e^{35} + e^{27}$	$1/87(37, 23, 46, 60, 83, 69, 106, 97, 129)$	$\{\emptyset, 125689, 14579, 24678\}$	
9631:178	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{16} + e^{25}, e^{18} + e^{37} + e^{45}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12378, 125679, 13469, 1458, 23457, 246789, 35689\}$	
9631:179a	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{26}, e^{45} + e^{28} + e^{37}$	$1/101(35, 35, 52, 70, 87, 87, 105, 122, 157)$	$\{\emptyset, 12378, 125679, 134689, 145, 234578, 24679, 35689\}$	
9631:179b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, -e^{14}, e^{26} + e^{15}, e^{28} + e^{45} + e^{37}$	$1/101(35, 35, 52, 70, 87, 87, 105, 122, 157)$	$\{\emptyset, 12378, 125679, 134689, 145, 234578, 24679, 35689\}$	
9631:184	$0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{24}, e^{25} - 2e^{16} + e^{34}, e^{45} + e^{18} + e^{27}$	$1/49(13, 20, 27, 33, 40, 47, 53, 60, 73)$	$\{\emptyset, 12378, 134679, 24689\}$	
9631:185	$0, 0, 0, e^{12}, e^{13}(-1 + a_3), e^{23}, a_3 e^{14}, (-2 + a_3)e^{16} + e^{34} + e^{25}, e^{18} + e^{37} + e^{45}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 12378, 125679, 13469, 1458, 23457, 246789, 35689\}$	
9631:186a	$0, 0, 0, -2e^{12}, -e^{13}, e^{23}, e^{14}, e^{16} + e^{25} + e^{34}, e^{56} + e^{17} + e^{38}$	$1/23(8, 11, 8, 19, 16, 19, 27, 27, 35)$	$\{\emptyset, 12378, 12567, 13469, 14589, 234579, 246789, 3568\}$	
9631:186b	$0, 0, 0, -2e^{12}, -e^{13}, e^{23}, -e^{14}, e^{16} + e^{25} + e^{34}, e^{56} + e^{17} + e^{38}$	$1/23(8, 11, 8, 19, 16, 19, 27, 27, 35)$	$\{\emptyset, 12378, 12567, 13469, 14589, 234579, 246789, 3568\}$	
9631:187	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{15} + e^{24}, e^{16} + e^{34}, e^{18} + e^{27} + e^{45}$	$1/49(13, 20, 27, 33, 40, 47, 53, 60, 73)$	$\{\emptyset, 12378, 134679, 24689\}$	
9631:188a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} - e^{15}, e^{36} + e^{14}, e^{38} + e^{27} + e^{45}$	$19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 12378, 134679, 24689\}$	
9631:188b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{36} + e^{14}, e^{45} + e^{38} + e^{27}$	$19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 12378, 134679, 24689\}$	
9631:189a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{34}, e^{36} + 2e^{14}, e^{17} + e^{45} + e^{38}$	$1/23(8, 11, 8, 19, 16, 19, 27, 27, 35)$	$\{\emptyset, 12378, 125689, 13469, 1457, 23458, 246789, 35679\}$	
9631:189b	$0, 0, 0, e^{12}, e^{13}, -e^{23}, e^{34} + e^{25}, e^{36} + 2e^{14}, e^{17} + e^{38} + e^{45}$	$1/23(8, 11, 8, 19, 16, 19, 27, 27, 35)$	$\{\emptyset, 12378, 125689, 13469, 1457, 23458, 246789, 35679\}$	
9631:190	$0, 0, 0, e^{12}, e^{13}, -e^{23}, e^{14} + e^{35}, e^{36} + e^{24}, e^{27} + e^{56} + e^{18}$	$19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 12378, 125678, 356\}$	
9631:191a	$0, 0, 0, e^{12}, e^{13}, -e^{23}, e^{35} + e^{24}, e^{36} + e^{14}, e^{27} + e^{18} + e^{56}$	$19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 12378, 125678, 134679, 14579, 234589, 24689, 356\}$	
9631:191b	$0, 0, 0, e^{12}, e^{13}, -e^{23}, e^{24} + e^{35}, -e^{14} + e^{36}, e^{18} + e^{27} + e^{56}$	$19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 12378, 125678, 134679, 14579, 234589, 24689, 356\}$	
9631:191c	$0, 0, 0, -e^{12}, e^{13}, -e^{23}, e^{35} + e^{24}, e^{36} + e^{14}, e^{56} + e^{18} + e^{27}$	$19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 12378, 125678, 134679, 14579, 234589, 24689, 356\}$	
9631:192a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34} + e^{25}, e^{36} + e^{14}, e^{56} + e^{37} + e^{18}$	$1/23(8, 11, 8, 19, 16, 19, 27, 27, 35)$	$\{\emptyset, 12378, 12568, 13469, 14579, 234589, 246789, 3567\}$	
9631:192b	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{34}, e^{36} - e^{14}, e^{37} + e^{18} + e^{56}$	$1/23(8, 11, 8, 19, 16, 19, 27, 27, 35)$	$\{\emptyset, 12378, 12568, 13469, 14579, 234589, 246789, 3567\}$	
9631:195	$0, 0, 0, -a_1 e^{12}, -e^{13}, e^{23}, (1 + a_1)e^{15} + e^{24}, e^{16}(-1 + a_1) + e^{25} + e^{34}, e^{45} + e^{18} + e^{27}$	$1/49(13, 20, 27, 33, 40, 47, 53, 60, 73)$	$\{\emptyset, 12378, 134679, 24689\}$	
9631:197a	$0, 0, 0, -e^{12}, e^{13}, e^{23} a_2, e^{35} + (1 + a_2)e^{24}, e^{16} + e^{34} + (-1 + a_2)e^{25}, e^{28} + e^{37} + e^{46}$	$1/23(11, 8, 8, 19, 19, 16, 27, 27, 35)$	$\{\emptyset, 12378, 125679, 13467, 145789, 23459, 2468, 35689\}$	
9631:197b	$0, 0, 0, -e^{12}, -e^{13}, e^{23} a_2, e^{35} + (1 + a_2)e^{24}, e^{16} + e^{34} - (-1 + a_2)e^{25}, e^{46} + e^{28} + e^{37}$	$1/23(11, 8, 8, 19, 19, 16, 27, 27, 35)$	$\{\emptyset, 12378, 125679, 13467, 145789, 23459, 2468, 35689\}$	
9631:199	$0, 0, 0, -e^{12}, -2e^{13}, -e^{23}, e^{14}, e^{16} + e^{25} + e^{34}, e^{35} + e^{46} + e^{28} + e^{17}$	$11/81(3, 2, 4, 5, 7, 6, 8, 9, 11)$	$\{\emptyset, 14589\}$	
9631:201	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{15} + e^{24}, e^{34} + e^{16}, e^{18} + e^{27} + e^{45} + e^{36}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
9631:204	$0, 0, 0, -e^{12}, e^{13}, a_3 e^{23}, e^{15} + e^{24} + e^{36}, e^{14} + e^{35} + e^{26}, e^{38} + e^{27} + e^{45}$	$19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)$	$\{\emptyset, 12378\}$	
9631:205	$0, 0, 0, -e^{12}(-1 + a_3), -e^{13}, e^{23}, a_3 e^{15} + e^{24}, (-2 + a_3)e^{16} + e^{25} + e^{34}, e^{36} + e^{45} + e^{27} + e^{18}$	$11/81(2, 3, 4, 5, 6, 7, 8, 9, 11)$	$\{\emptyset, 24689\}$	
963:5	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15}, e^{25} + e^{34}$	$1/13(4, 7, 7, 11, 11, 14, 15, 15, 18)$	$\{\emptyset, 123789, 12567, 13468, 1459, 234578, 24679, 35689\}$	
963:9	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{34} + e^{25}$	$1/33(11, 15, 19, 26, 30, 34, 37, 41, 45)$	$\{\emptyset, 123789, 13468, 24679\}$	
963:16	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24}, e^{16} + e^{25}$	$1/13(5, 5, 8, 10, 13, 13, 15, 15, 18)$	$\{\emptyset, 123789, 125678, 13468, 14589, 23457, 24679, 3569\}$	
963:22	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24}, e^{15}, e^{16} + e^{34}$	$1/9(3, 4, 5, 7, 8, 9, 11, 11, 12)$	$\{\emptyset, 123789, 12567, 134678, 14579, 23458, 2469, 35689\}$	
963:27	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24}, e^{35}, e^{16} + e^{34}$	$3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)$	$\{\emptyset, 123789, 125678, 134678, 145789, 2345, 2469, 3569\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
963:28	$0, 0, 0, a_1 e^{12}, e^{13}(1 + a_1), e^{23}, e^{14}, e^{24}, e^{25} + e^{34} + e^{16}$	$1/13(5, 5, 8, 10, 13, 13, 15, 15, 18)$	$\{0, 123789, 125678, 13468, 14589, 23457, 24679, 3569\}$	
963:29	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{15}, e^{25} + e^{16} + e^{34}$	$1/13(4, 7, 7, 11, 11, 14, 15, 15, 18)$	$\{0, 123789, 12567, 13468, 1459, 234578, 24679, 35689\}$	
963:31	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{24}, e^{15}, e^{34} + e^{25} + e^{16}$	$1/9(3, 4, 5, 7, 8, 9, 11, 11, 12)$	$\{0, 123789, 12567, 134678, 14579, 23458, 2469, 35689\}$	
963:32	$0, 0, 0, a_1 e^{12}, e^{13}(1 + a_1), e^{23}, e^{24}, e^{35}, e^{16} + e^{25} + e^{34}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 125678, 134678, 145789, 2345, 2469, 3569\}$	
963:33	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{16} + e^{34}$	$1/33(11, 15, 19, 26, 30, 34, 37, 41, 45)$	$\{0, 123789, 13468, 24679\}$	
963:34a	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{35} + e^{24}, e^{34} + e^{16}$	$1/89(31, 43, 43, 74, 74, 86, 105, 117, 117)$	$\{0, 123789, 125678, 13468, 14589, 23457, 24679, 3569\}$	
963:34b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{14}, e^{35} + e^{24}, e^{16} + e^{34}$	$1/89(31, 43, 43, 74, 74, 86, 105, 117, 117)$	$\{0, 123789, 125678, 13468, 14589, 23457, 24679, 3569\}$	
963:36	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{15}, e^{25} + e^{16}$	$1/33(11, 15, 19, 26, 30, 34, 37, 41, 45)$	$\{0, 123789, 13468, 24679\}$	
963:37	$0, 0, 0, a_1 e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{24}, e^{35} + e^{26}$	$1/16(6, 7, 8, 13, 14, 15, 19, 20, 22)$	$\{0, 123789, 134689, 2467\}$	
963:39a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{34} + e^{25}, e^{26} + e^{15}$	$1/89(35, 35, 47, 70, 82, 82, 105, 117, 117)$	$\{0, 123789, 12567, 13469, 1458, 234579, 24678, 35689\}$	
963:39b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{14}, e^{25} + e^{34}, e^{15} + e^{26}$	$1/89(35, 35, 47, 70, 82, 82, 105, 117, 117)$	$\{0, 123789, 12567, 13469, 1458, 234579, 24678, 35689\}$	
963:40a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{24} + e^{35}, e^{16} + e^{25}$	$1/89(31, 43, 43, 74, 74, 86, 105, 117, 117)$	$\{0, 123789, 125678, 13468, 14589, 23457, 24679, 3569\}$	
963:40b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{14}, e^{35} + e^{24}, e^{25} + e^{16}$	$1/89(31, 43, 43, 74, 74, 86, 105, 117, 117)$	$\{0, 123789, 125678, 13468, 14589, 23457, 24679, 3569\}$	
963:43a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{25} + e^{34}, e^{15} + e^{26}$	$1/89(35, 35, 47, 70, 82, 82, 105, 117, 117)$	$\{0, 123789, 12567, 134679, 14578, 23459, 2468, 35689\}$	
963:43b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{24}, e^{25} + e^{34}, e^{26} + e^{15}$	$1/89(35, 35, 47, 70, 82, 82, 105, 117, 117)$	$\{0, 123789, 12567, 134679, 14578, 23459, 2468, 35689\}$	
963:46	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{34} + e^{25}, e^{26} + e^{35}$	$1/123(49, 53, 57, 102, 106, 110, 151, 159, 163)$	$\{0, 123789, 13469, 24678\}$	
963:48	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24}, e^{25} + e^{34}, e^{15} + e^{36}$	$1/123(53, 49, 57, 102, 110, 106, 151, 159, 163)$	$\{0, 123789, 14578, 23459\}$	
963:52	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{34} + e^{25}, e^{36}$	$1/123(57, 53, 49, 110, 106, 102, 163, 159, 151)$	$\{0, 123789, 13467, 24689\}$	
963:54	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{15} + e^{24}, e^{34} + e^{25} + e^{16}$	$1/33(11, 15, 19, 26, 30, 34, 37, 41, 45)$	$\{0, 123789, 13468, 24679\}$	
963:55a	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{35} + e^{24}, e^{34} + e^{16} + e^{25}$	$1/89(31, 43, 43, 74, 74, 86, 105, 117, 117)$	$\{0, 123789, 125678, 13468, 14589, 23457, 24679, 3569\}$	
963:55b	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{35} - e^{24}, e^{16} + e^{25} + e^{34}$	$1/89(31, 43, 43, 74, 74, 86, 105, 117, 117)$	$\{0, 123789, 125678, 13468, 14589, 23457, 24679, 3569\}$	
963:59a	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{15} + e^{26}, e^{16} + e^{25} + e^{34}$	$1/89(35, 35, 47, 70, 82, 82, 105, 117, 117)$	$\{0, 123789, 12567, 13468, 1459, 234578, 24679, 35689\}$	
963:59b	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{26} - e^{15}, e^{25} + e^{34} + e^{16}$	$1/89(35, 35, 47, 70, 82, 82, 105, 117, 117)$	$\{0, 123789, 12567, 13468, 1459, 234578, 24679, 35689\}$	
963:62	$0, 0, 0, a_1 e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{35}, e^{15} + e^{36} + e^{24}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789\}$	
963:63	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{14}, e^{26} + e^{35}, e^{16} + e^{25} + e^{34}$	$1/123(49, 53, 57, 102, 106, 110, 151, 163, 159)$	$\{0, 123789, 13468, 24679\}$	
963:66a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{25} + e^{34}, e^{36} + e^{14}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 13467, 24689\}$	
963:66b	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{24} + e^{15}, e^{25} + e^{34}, e^{36} + e^{14}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 13467, 24689\}$	
963:68	$0, 0, 0, e^{12}a_2, e^{13}a_2, e^{23}, e^{35} + e^{14}, e^{25} + e^{34}, e^{36} + e^{24}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 125679, 3568\}$	
963:71a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{24}, e^{14} + e^{36}, e^{25} + e^{16}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 13467, 24689\}$	
963:71b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{36} + e^{14}, e^{16} + e^{25}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 13467, 24689\}$	
963:72a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{24} + a_1 e^{15}, e^{36} + e^{14}, e^{26} + e^{35}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 134679, 2468\}$	✓
963:72b	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{24} + a_1 e^{15}, e^{14} + e^{36}, e^{26} + e^{35}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 134679, 2468\}$	✓
963:73	$0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{15}a_2 + e^{24}, e^{16} + e^{34}, e^{26} + e^{35}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 134679, 2468\}$	
963:74a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{35} + e^{24}, e^{36} + a_1 e^{14}, e^{15} + e^{26}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 125678, 134679, 1457, 234589, 2468, 3569\}$	✓
963:74b	$0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{35} + e^{24}, e^{36} + a_1 e^{14}, e^{15} + e^{26}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 125678, 134679, 1457, 234589, 2468, 3569\}$	✓
963:75a	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{34}, e^{36} + e^{14}, e^{26} + e^{15}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 12568, 13469, 1457, 234589, 24678, 35679\}$	✓
963:75b	$0, 0, 0, e^{12}, e^{13}, e^{23}, e^{34} + e^{25}, e^{36} - e^{14}, e^{26} + e^{15}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 12568, 13469, 1457, 234589, 24678, 35679\}$	✓
963:75c	$0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{34} + e^{25}, -e^{14} + e^{36}, e^{26} + e^{15}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 12568, 13469, 1457, 234589, 24678, 35679\}$	✓
963:80a	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{24} + e^{15}, e^{36} + e^{14}, e^{16} + e^{25} + e^{34}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 13467, 24689\}$	
963:80b	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{24} + e^{15}, e^{36} - e^{14}, e^{25} + e^{34} + e^{16}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 13467, 24689\}$	
963:83	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, a_3 e^{14} + e^{35}, e^{36} + e^{24}, e^{16} + e^{25} + e^{34}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 125678, 3569\}$	
963:84a	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{24} + e^{35}, e^{14} + e^{36}, e^{16} + e^{25} + e^{34}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 125678, 13467, 14579, 23458, 24689, 3569\}$	✓
963:84b	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{35} - e^{24}, e^{36} + e^{14}, e^{34} + e^{25} + e^{16}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 125678, 13467, 14579, 23458, 24689, 3569\}$	✓
963:84c	$0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23}, e^{35} - e^{24}, e^{36} - e^{14}, e^{34} + e^{25} + e^{16}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789, 125678, 13467, 14579, 23458, 24689, 3569\}$	✓
963:86	$0, 0, 0, e^{12}a_2, e^{13}a_2, e^{23}, e^{25} + e^{34}, a_3 e^{14} + e^{26} + e^{35}, e^{24} + e^{36} + e^{15}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789\}$	
963:87	$0, 0, 0, a_1 e^{12}, e^{13}(a_3 + a_1), e^{23}, a_3 e^{16} + e^{34} + e^{25}, a_4 e^{14} + e^{35} + e^{26}, e^{36} + e^{15} + e^{24}$	$3/7(1, 1, 1, 2, 2, 3, 3, 3)$	$\{0, 123789\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
954321:8	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16}, e^{23} + e^{17}, e^{18} + e^{35} + e^{24}$	1/119(20, 69, 80, 100, 89, 109, 129, 149, 169)	{0, 12468, 14579, 256789}	
954321:12	$0, 0, 0, 0, e^{12}, e^{15}, e^{16}, e^{17} + e^{25}, e^{18} + e^{26} + e^{34}$	21/116(1, 3, 4, 4, 4, 5, 6, 7, 8)	{0, 123468, 1268, 34}	
954321:13	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16} + e^{23}, e^{17} + e^{35}, e^{24} + e^{36} + e^{18}$	2/35(3, 10, 9, 15, 13, 16, 19, 22, 25)	{0, 123468, 134579, 256789}	
954321:22	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16} + e^{23}, e^{17} + e^{35} + e^{24}, e^{18} + e^{36} + e^{45}$	1/87(16, 47, 48, 64, 63, 79, 95, 111, 127)	{0, 12368, 13579, 256789}	
954321:24	$0, 0, 0, 0, e^{12}, e^{15}, e^{16} + e^{25}, e^{17} + e^{26}, e^{18} + e^{34} + e^{56}$	5/47(2, 4, 7, 7, 6, 8, 10, 12, 14)	{0, 13579, 14579, 34}	
954321:25	$0, 0, 0, 0, e^{12}, e^{15}, e^{25} + e^{16}, e^{26} + e^{17}, e^{18} + e^{34} + e^{27}$	5/47(2, 4, 7, 7, 6, 8, 10, 12, 14)	{0, 13579, 14579, 34}	
954321:37	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{16} + e^{35}, e^{17} + e^{36}, e^{37} + e^{24} + e^{18}$	1/95(16, 55, 32, 80, 71, 87, 103, 119, 135)	{0, 12468, 14579, 256789}	
954321:38	$0, 0, 0, 0, a_1 e^{12}, e^{15}, e^{25} - (-1 + a_1) e^{16}, e^{17} + e^{26}, e^{18} + e^{27} + e^{56} + e^{34}$	5/47(2, 4, 7, 7, 6, 8, 10, 12, 14)	{0, 13579, 14579, 34}	
954321:42	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{16} + e^{35}, e^{17} + e^{36} + e^{24}, e^{18} + e^{37} + e^{45}$	2/11(1, 3, 2, 4, 4, 5, 6, 7, 8)	{0, 1268, 1579, 256789}	
954321:48	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{16} + e^{24} + e^{35}, e^{45} + e^{17} + e^{36}, e^{46} + e^{37} + e^{18}$	1/21(4, 11, 8, 12, 15, 19, 23, 27, 31)	{0, 12468, 14579, 256789}	
95432:2	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16}, e^{17}, e^{34} + e^{56} + e^{27}$	1/257(32, 155, 203, 203, 187, 219, 251, 283, 406)	{0, 123689, 124689, 13579, 14579, 2345678, 25678, 34}	
95432:6	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16}, e^{17} + e^{23}, e^{34} + e^{27} + e^{56}$	1/109(19, 55, 76, 91, 74, 93, 112, 131, 167)	{0, 124689, 14579, 25678}	
95432:12	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16}, e^{17} + e^{25}, e^{27} + e^{34} + e^{56}$	44/515(2, 6, 9, 9, 8, 10, 12, 14, 18)	{0, 123689, 124689, 34}	
95432:14	$0, 0, 0, 0, -e^{12}, e^{15}, e^{23} + e^{16}, e^{35} + e^{17}, e^{34} + e^{56} + e^{27}$	1/381(77, 169, 231, 338, 246, 323, 400, 477, 569)	{0, 123689, 13579, 25678}	
95432:18	$0, 0, 0, 0, -e^{12}, e^{15}, e^{23} + e^{16}, e^{35} + e^{24} + e^{17}, e^{27} + e^{56}$	1/47(11, 17, 33, 44, 28, 39, 50, 61, 67)	{0, 123689, 13579, 25678}	
95432:21a	$0, 0, 0, 0, -e^{12}, e^{15}, e^{23} + e^{16}, e^{24} + e^{17} + e^{35}, e^{56} + e^{34} + e^{27}$	7/33(1, 2, 3, 4, 3, 4, 5, 6, 7)	{0, 123689, 13579, 25678}	
95432:21b	$0, 0, 0, 0, -e^{12}, -e^{15}, e^{16} + e^{23}, e^{17} + e^{35} + e^{24}, e^{27} + e^{56} + e^{34}$	7/33(1, 2, 3, 4, 3, 4, 5, 6, 7)	{0, 123689, 13579, 25678}	
95432:22	$0, 0, 0, 0, -e^{12}, e^{15}, e^{16} + e^{25}, e^{17} + e^{26}, e^{27} + e^{34} + e^{56}$	5/47(2, 4, 7, 7, 6, 8, 10, 12, 14)	{0, 13579, 14579, 34}	
95421:14	$0, 0, 0, 0, -e^{12}, e^{15}, e^{34} + e^{25}, e^{23} + e^{16}, e^{18} + e^{35}$	1/521(97, 301, 291, 408, 398, 495, 699, 592, 689)	{0, 123679, 13578, 25689}	
95421:17	$0, 0, 0, 0, -e^{12}, e^{15}, e^{25}, e^{16}, e^{56} + e^{28} + e^{34}$	1/124(26, 57, 96, 96, 83, 109, 140, 135, 192)	{0, 123679, 124679, 135789, 145789, 234568, 2568, 34}	
95421:19	$0, 0, 0, 0, -e^{12}, e^{15}, e^{25} + e^{13}, e^{16} + e^{24}, e^{45} + e^{18}$	3/389(29, 63, 126, 87, 92, 121, 155, 150, 179)	{0, 124679, 14578, 25689}	
95421:25	$0, 0, 0, 0, -e^{12}, e^{15}, e^{25}, e^{16} + e^{23}, e^{18} + e^{24} + e^{35}$	1/123(29, 57, 87, 116, 86, 115, 143, 144, 173)	{0, 123679, 13578, 25689}	
95421:26a	$0, 0, 0, 0, -e^{12}, e^{15}, e^{25} + e^{34}, e^{23} + e^{16}, e^{24} + e^{18} + e^{35}$	4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)	{0, 123679, 13578, 25689}	
95421:26b	$0, 0, 0, 0, -e^{12}, e^{15}, e^{34} - e^{25}, e^{16} + e^{23}, e^{18} + e^{35} + e^{24}$	4/21(1, 3, 3, 4, 4, 5, 7, 6, 7)	{0, 123679, 13578, 25689}	
95421:29	$0, 0, 0, 0, -e^{12}, e^{15}, e^{25}, e^{16} + e^{23}, e^{56} + e^{28} + e^{34}$	1/29(7, 12, 21, 24, 19, 26, 31, 33, 45)	{0, 123679, 135789, 2568}	
95421:32a	$0, 0, 0, 0, -e^{12}, e^{15}, e^{13} + e^{25}, e^{16} + e^{24}, e^{18} + e^{23} + e^{45}$	11/47(1, 2, 4, 3, 3, 4, 5, 5, 6)	{0, 124679, 14578, 25689}	
95421:32b	$0, 0, 0, 0, -e^{12}, -e^{15}, e^{13} + e^{25}, e^{16} + e^{23} + e^{45} + e^{18}$	11/47(1, 2, 4, 3, 3, 4, 5, 5, 6)	{0, 124679, 14578, 25689}	
95421:37	$0, 0, 0, 0, -e^{12}, e^{15}, e^{25} + a_2 e^{13}, e^{16} + e^{24}, e^{28} + e^{56} + e^{34}$	1/29(7, 12, 24, 21, 19, 26, 31, 33, 45)	{0, 124679, 145789, 2568}	
95421:47	$0, 0, 0, 0, e^{12}, e^{25} + e^{13}, e^{34} + e^{15}, e^{35} + e^{26}, e^{28} + e^{36}$	1/381(203, 79, 158, 327, 282, 361, 485, 440, 519)	{0, 124679, 15689, 24578}	
95421:48	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{25} + e^{14}, e^{16} + e^{35}, e^{18} + e^{36}$	1/162(37, 78, 74, 156, 115, 152, 193, 189, 226)	{0, 12679, 1578, 25689}	
95421:52	$0, 0, 0, 0, e^{12}, e^{25} + e^{13}, e^{15}, e^{26} + e^{35}, e^{28} + e^{14} + e^{36}$	1/162(74, 39, 78, 156, 113, 152, 187, 191, 230)	{0, 12679, 15689, 2578}	
95421:53	$0, 0, 0, 0, e^{12}, e^{13} + e^{25}, e^{34} + e^{15}, e^{35} + e^{26}, e^{36} + e^{28} + e^{14}$	71/673(5, 2, 4, 8, 7, 9, 12, 11, 13)	{0, 15689}	
95421:59a	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{14} + e^{25}, e^{16} + e^{35}, e^{18} + e^{24} + e^{36}$	4/17(1, 2, 2, 4, 3, 4, 5, 5, 6)	{0, 12679, 1578, 25689}	
95421:59b	$0, 0, 0, 0, -e^{12}, e^{23} + e^{15}, -e^{14} + e^{25}, e^{35} + e^{16}, e^{24} + e^{36} + e^{18}$	4/17(1, 2, 2, 4, 3, 4, 5, 5, 6)	{0, 12679, 1578, 25689}	
95421:72	$0, 0, 0, 0, e^{12}, e^{13} + e^{25}, e^{15}, e^{14} + e^{26} + e^{35}, e^{28} + e^{36} + e^{45}$	1/87(37, 23, 46, 69, 60, 83, 97, 106, 129)	{0, 124679, 15689, 24578}	
95421:73a	$0, 0, 0, 0, e^{12}, e^{25} + e^{13}, e^{15} + e^{34}, e^{26} + e^{35} + e^{14}, e^{28} + e^{36} + e^{45}$	31/129(2, 1, 2, 3, 3, 4, 5, 5, 6)	{0, 124679, 15689, 24578}	
95421:73b	$0, 0, 0, 0, e^{12}, e^{25} + e^{13}, -e^{15} + e^{34}, e^{14} + e^{26} + e^{35}, e^{45} + e^{28} + e^{36}$	31/129(2, 1, 2, 3, 3, 4, 5, 5, 6)	{0, 124679, 15689, 24578}	
95421:74	$0, 0, 0, 0, e^{12}, e^{13} + e^{25}, e^{34} + 2e^{15}, e^{35} + e^{26}, e^{37} + e^{56} + e^{18}$	1/28(13, 6, 12, 20, 19, 25, 32, 31, 44)	{0, 124679, 1568, 245789}	
95421:86	$0, 0, 0, 0, e^{12}, e^{13} + e^{25}, 2e^{15}, e^{14} + e^{26} + e^{35}, e^{37} + e^{56} + e^{18}$	4/13(1, 1, 2, 3, 2, 3, 3, 4, 5)	{0, 124679, 1568, 245789}	
95421:87a	$0, 0, 0, 0, e^{12}, e^{25} + e^{13}, e^{34} + 2e^{15}, e^{26} + e^{35} + e^{14}, e^{18} + e^{37} + e^{56}$	16/71(2, 1, 2, 3, 3, 4, 5, 5, 7)	{0, 124679, 1568, 245789}	
95421:87b	$0, 0, 0, 0, e^{12}, e^{25} + e^{13}, 2e^{15} + e^{34}, e^{26} + e^{35} - e^{14}, e^{56} + e^{18} + e^{37}$	16/71(2, 1, 2, 3, 3, 4, 5, 5, 7)	{0, 124679, 1568, 245789}	
95421:91	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{25} + e^{14}, e^{16} + e^{24} + e^{35}, e^{18} + e^{27} + e^{36}$	11/81(2, 3, 4, 6, 5, 7, 8, 9, 11)	{0, 25689}	
95421:95	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{25} - e^{14}, e^{16} + e^{35}, e^{27} + e^{18} + e^{36} + e^{45}$	11/81(2, 3, 4, 6, 5, 7, 8, 9, 11)	{0, 25689}	
95421:96	$0, 0, 0, 0, e^{12}, e^{25} + e^{13}, e^{15}, e^{14} + e^{26} + e^{35}, e^{28} + e^{17} + e^{36} + e^{45}$	11/81(3, 2, 4, 6, 5, 7, 8, 9, 11)	{0, 15689}	
95421:99	$0, 0, 0, 0, -e^{12} a_1,$ $e^{15} + e^{23}, -(-1 + a_1) e^{14} + e^{25}, e^{16} a_1 + e^{24} + e^{35}, e^{18} + e^{45} + e^{36} + e^{27}$	11/81(2, 3, 4, 6, 5, 7, 8, 9, 11)	{0, 25689}	
95421:103	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{17} + e^{26}, e^{18} + e^{34} + e^{56}$	1/185(46, 71, 140, 140, 117, 163, 188, 234, 280)	{0, 123679, 124679, 13579, 14579, 23456, 256, 34}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
95421:104a	$0, 0, 0, 0, -e^{12}, e^{15}, e^{25}, e^{16} + e^{27}, e^{56} + e^{28} + e^{34}$	$24/155(2, 2, 5, 5, 4, 6, 6, 8, 10)$	$\{0, 123679, 124679, 135789, 145789, 234568, 2568, 34\}$	
95421:104b	$0, 0, 0, 0, -e^{12}, -e^{15}, e^{25}, e^{27} + e^{16}, e^{34} + e^{56} + e^{28}$	$24/155(2, 2, 5, 5, 4, 6, 6, 8, 10)$	$\{0, 123679, 124679, 135789, 145789, 234568, 2568, 34\}$	
95421:112	$0, 0, 0, 0, e^{12}, e^{15}, e^{13} + e^{25}, e^{26} + e^{17}, e^{24} + e^{18} + e^{56}$	$1/128(22, 57, 114, 123, 79, 101, 136, 158, 180)$	$\{0, 12679, 14579, 2456\}$	
95421:131	$0, 0, 0, 0, e^{12}, e^{15} + e^{23}, e^{14} + e^{25}, e^{17} + e^{34} + e^{26}, e^{18} + e^{56} + e^{37}$	$1/11(3, 4, 6, 8, 7, 10, 11, 14, 17)$	$\{0, 12679, 1579, 256\}$	
95321:11	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15}, e^{34} + e^{17}, e^{46} + e^{18}$	$1/109(16, 87, 76, 59, 103, 92, 119, 135, 151)$	$\{0, 123479, 12679, 1358, 14568, 2356789, 245789, 346\}$	
95321:20	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15}, e^{23} + e^{17}, e^{18} + e^{35}$	$1/49(8, 33, 24, 37, 41, 61, 49, 57, 65)$	$\{0, 123479, 123679, 13458, 13568, 2456789, 25789, 46\}$	
95321:21a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{15}, e^{17} + e^{34}, e^{36} + e^{18}$	$1/37(7, 24, 14, 31, 31, 38, 38, 45, 52)$	$\{0, 123479, 12679, 13568, 1458, 235789, 2456789, 346\}$	✓
95321:21b	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{17} + e^{34}, e^{18} + e^{36}$	$1/37(7, 24, 14, 31, 31, 38, 38, 45, 52)$	$\{0, 123479, 12679, 13568, 1458, 235789, 2456789, 346\}$	✓
95321:32	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{24} + e^{17}, e^{45} + e^{18}$	$1/41(8, 25, 37, 24, 33, 45, 41, 49, 57)$	$\{0, 123479, 124679, 13458, 14568, 2356789, 25789, 36\}$	
95321:33	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{14} + e^{27}, e^{45} + e^{28}$	$1/40(20, 9, 30, 27, 29, 50, 38, 47, 56)$	$\{0, 123479, 124679, 135789, 156789, 234568, 2458, 36\}$	
95321:35	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15}, e^{34} + e^{17}, e^{18} + e^{46} + e^{23}$	$1/119(20, 89, 80, 69, 109, 100, 129, 149, 169)$	$\{0, 12679, 14568, 245789\}$	
95321:36	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15}, e^{23} + e^{17}, e^{57} + e^{28}$	$1/156(32, 69, 96, 108, 101, 204, 133, 165, 234)$	$\{0, 123479, 123679, 134589, 135689, 245678, 2578, 46\}$	
95321:37	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15}, e^{17} + e^{23}, e^{18} + e^{46} + e^{35}$	$12/193(3, 11, 9, 7, 14, 16, 17, 20, 23)$	$\{0, 123479, 123679, 46\}$	
95321:38	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15}, e^{17}, e^{28} + e^{36} + e^{57}$	$1/60(10, 33, 28, 40, 43, 68, 53, 63, 96)$	$\{0, 123479, 124679, 134589, 145689, 235678, 2578, 36\}$	
95321:43	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27}, e^{57} + e^{34} + e^{18}$	$1/39(18, 8, 27, 33, 26, 45, 34, 42, 60)$	$\{0, 12379, 124679, 134578, 15678, 235689, 24589, 346\}$	
95321:44	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15}, e^{17}, e^{57} + e^{28}$	$1/233(50, 94, 231, 187, 144, 281, 194, 244, 338)$	$\{0, 123479, 12679, 13589, 145689, 235678, 24578, 346\}$	
95321:50	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15}, e^{23} + e^{17}, e^{35} + e^{24} + e^{18}$	$1/17(3, 11, 9, 12, 14, 21, 17, 20, 23)$	$\{0, 123679, 13568, 25789\}$	
95321:51	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{23} + e^{17}, e^{26} + e^{18} + e^{34}$	$1/221(48, 133, 144, 181, 181, 192, 229, 277, 325)$	$\{0, 12379, 13458, 245789\}$	
95321:54	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{17} + e^{24}, e^{28} + e^{57}$	$1/124(32, 45, 108, 96, 77, 140, 109, 141, 186)$	$\{0, 123479, 124679, 134589, 145689, 235678, 2578, 36\}$	
95321:55	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{14} + e^{27}, e^{57} + e^{18}$	$1/39(12, 11, 33, 33, 23, 45, 34, 45, 57)$	$\{0, 123479, 124679, 13578, 15678, 2345689, 24589, 36\}$	
95321:58a	$0, 0, 0, 0, e^{12}, -e^{13} + e^{24}, e^{15}, e^{17} + e^{34}, e^{18} + e^{23} + e^{46}$	$37/181(1, 3, 4, 2, 4, 5, 5, 6, 7)$	$\{0, 12679, 14568, 245789\}$	✓
95321:58b	$0, 0, 0, 0, -e^{12}, -e^{13} + e^{24}, e^{15}, e^{17} + e^{34}, e^{18} + e^{46} + e^{23}$	$37/181(1, 3, 4, 2, 4, 5, 5, 6, 7)$	$\{0, 12679, 14568, 245789\}$	✓
95321:60	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15}, e^{34} + e^{17}, e^{18} + e^{46} + e^{25}$	$1/19(4, 12, 13, 11, 16, 17, 20, 24, 28)$	$\{0, 123479, 12679, 346\}$	
95321:62	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{24} + e^{17}, e^{45} + e^{18} + e^{36}$	$12/491(9, 25, 26, 27, 34, 35, 43, 52, 61)$	$\{0, 123479, 124679, 36\}$	
95321:63a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27} + e^{14}, e^{28} + e^{36} + e^{45}$	$1/4(2, 1, 2, 3, 3, 4, 4, 5, 6)$	$\{0, 123479, 124679, 135789, 156789, 234568, 2458, 36\}$	✓
95321:63b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{25}, e^{27} + e^{14}, e^{28} + e^{36} + e^{45}$	$1/4(2, 1, 2, 3, 3, 4, 4, 5, 6)$	$\{0, 123479, 124679, 135789, 156789, 234568, 2458, 36\}$	✓
95321:64	$0, 0, 0, 0, e^{12}, -e^{13}, e^{25}, e^{34} + e^{27}, e^{57} + e^{46} + e^{18}$	$1/15(6, 4, 9, 9, 10, 15, 14, 18, 24)$	$\{0, 123479, 12679, 13578, 145678, 235689, 24589, 346\}$	
95321:66a	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15}, e^{23} + e^{17}, e^{46} + e^{57} + e^{28}$	$8/195(5, 12, 15, 12, 17, 27, 22, 27, 39)$	$\{0, 123479, 123679, 134589, 135689, 245678, 2578, 46\}$	
95321:66b	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15}, -e^{23} + e^{17}, e^{57} + e^{46} + e^{28}$	$8/195(5, 12, 15, 12, 17, 27, 22, 27, 39)$	$\{0, 123479, 123679, 134589, 135689, 245678, 2578, 46\}$	
95321:72	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{17} + e^{24}, e^{18} + e^{45} + e^{23}$	$1/61(13, 35, 52, 39, 48, 65, 61, 74, 87)$	$\{0, 124679, 14568, 25789\}$	
95321:78	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{17} + e^{24}, e^{57} + e^{34} + e^{28}$	$1/29(7, 12, 24, 21, 19, 31, 26, 33, 45)$	$\{0, 124679, 145689, 2578\}$	
95321:79	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27} + e^{14}, e^{34} + e^{57} + e^{18}$	$1/183(69, 47, 138, 141, 116, 207, 163, 210, 279)$	$\{0, 124679, 15678, 24589\}$	
95321:84	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{17}, e^{18} + e^{26} + e^{35}$	$1/33(9, 13, 27, 23, 22, 36, 31, 40, 49)$	$\{0, 123479, 1358, 245789\}$	
95321:89	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27} + e^{14}, e^{28} + e^{45} + e^{16}$	$1/33(13, 9, 23, 27, 22, 36, 31, 40, 49)$	$\{0, 123479, 135789, 2458\}$	
95321:90a	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15}, e^{17} + e^{34}, e^{36} + e^{25} + e^{18}$	$37/181(1, 3, 2, 4, 4, 5, 5, 6, 7)$	$\{0, 123479, 12679, 346\}$	✓
95321:90b	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{34} + e^{17}, e^{36} + e^{25} + e^{18}$	$37/181(1, 3, 2, 4, 4, 5, 5, 6, 7)$	$\{0, 123479, 12679, 346\}$	✓
95321:92	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{17} + e^{25}, e^{18} + e^{27} + e^{36}$	$1/327(81, 162, 134, 218, 243, 352, 324, 405, 486)$	$\{0, 13568, 158, 36\}$	
95321:93a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{24} + e^{17}, e^{28} + e^{36} + e^{57}$	$8/155(5, 8, 13, 15, 13, 18, 18, 23, 31)$	$\{0, 123479, 124679, 134589, 145689, 235678, 2578, 36\}$	
95321:93b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15}, e^{17} + e^{24}, e^{57} + e^{28} + e^{36}$	$8/155(5, 8, 13, 15, 13, 18, 18, 23, 31)$	$\{0, 123479, 124679, 134589, 145689, 235678, 2578, 36\}$	
95321:94	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{14} + e^{27}, e^{57} + e^{36} + e^{18}$	$8/225(10, 8, 17, 24, 18, 27, 26, 34, 44)$	$\{0, 123479, 124679, 36\}$	
95321:96	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15}, e^{17} + e^{25}, e^{36} + e^{28} + e^{57}$	$2/771(87, 174, 176, 257, 261, 433, 348, 435, 609)$	$\{0, 134589, 145689, 36\}$	
95321:99	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27} + e^{15}, e^{17} + e^{28} + e^{34}$	$1/29(14, 7, 19, 23, 21, 33, 28, 35, 42)$	$\{0, 234568, 258, 346\}$	
95321:109	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{17} + e^{25}, e^{28} + e^{57} + e^{34}$	$1/213(48, 96, 167, 169, 144, 215, 192, 240, 336)$	$\{0, 13589, 145689, 346\}$	
95321:110	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{27} + e^{15}, e^{34} + e^{57} + e^{18}$	$1/223(98, 49, 156, 187, 147, 254, 196, 245, 343)$	$\{0, 235689, 24589, 346\}$	
95321:116	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{24} + a_2e^{13}, e^{15}, e^{23} + e^{17}, e^{26} + e^{18} + e^{35}$	$1/33(9, 13, 27, 23, 22, 36, 31, 40, 49)$	$\{0, 123479, 1358, 245789\}$	
95321:120	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{17} + e^{35}, e^{18} + e^{37}$	$1/17(3, 11, 6, 14, 14, 20, 17, 20, 23)$	$\{0, 124679, 1279, 14568, 158, 2456789, 25789, 46\}$	
95321:124	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15}, e^{25} + e^{34} + e^{17}, e^{27} + e^{18} + e^{46}$	$1/67(17, 34, 45, 40, 51, 62, 68, 85, 102)$	$\{0, 1358, 14568, 346\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
95321:134	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{17} + e^{45}, e^{18} + e^{47}$	$1/31(6, 19, 28, 12, 25, 34, 31, 37, 43)$	$\{\emptyset, 12379, 12679, 1358, 1568, 2356789, 25789, 36\}$	
95321:135	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{27} + e^{45}, e^{28} + e^{47}$	$1/185(90, 43, 140, 86, 133, 230, 176, 219, 262)$	$\{\emptyset, 12379, 12679, 135789, 156789, 23568, 258, 36\}$	
95321:144	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{35} + e^{17}, e^{46} + e^{37} + e^{18}$	$1/207(43, 132, 86, 109, 175, 195, 218, 261, 304)$	$\{\emptyset, 14568, 158, 46\}$	
95321:145a	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15}, e^{34} + e^{25} + e^{17}, e^{27} + e^{36} + e^{18}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 13568, 1458, 346\}$	
95321:145b	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15}, e^{17} + e^{25} + e^{34}, e^{36} + e^{27} + e^{18}$	$1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)$	$\{\emptyset, 13568, 1458, 346\}$	
95321:149	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{17} + e^{35}, e^{24} + e^{37} + e^{18}$	$1/67(13, 41, 26, 52, 54, 78, 67, 80, 93)$	$\{\emptyset, 1279, 158, 25789\}$	
95321:156	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{17} + e^{45}, e^{18} + e^{47} + e^{36}$	$1/381(86, 228, 243, 172, 314, 329, 400, 486, 572)$	$\{\emptyset, 12379, 12679, 36\}$	
95321:157a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{27} + e^{45}, e^{28} + e^{36} + e^{47}$	$1/19(9, 5, 10, 10, 14, 19, 19, 24, 29)$	$\{\emptyset, 12379, 12679, 135789, 156789, 23568, 258, 36\}$	
95321:157b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{25} + e^{14}, e^{27} + e^{45}, e^{28} + e^{47} + e^{36}$	$1/19(9, 5, 10, 10, 14, 19, 19, 24, 29)$	$\{\emptyset, 12379, 12679, 135789, 156789, 23568, 258, 36\}$	
95321:163	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{17} + e^{45}, e^{18} + e^{23} + e^{47}$	$1/14(3, 8, 12, 6, 11, 15, 14, 17, 20)$	$\{\emptyset, 12679, 1568, 25789\}$	
95321:172	$0, 0, 0, 0, -e^{12}, e^{34}, e^{23} + e^{15}, e^{35} + e^{17}, e^{37} + e^{25} + e^{18}$	$1/71(14, 42, 28, 57, 56, 85, 70, 84, 98)$	$\{\emptyset, 124679, 1279, 46\}$	
95321:173	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{45} + e^{27}, e^{28} + e^{47} + e^{16}$	$1/183(71, 51, 133, 102, 122, 204, 173, 224, 275)$	$\{\emptyset, 12379, 135789, 258\}$	
95321:180	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{17} + e^{35} + e^{24}, e^{18} + e^{37} + e^{45}$	$1/49(11, 27, 22, 33, 38, 55, 49, 60, 71)$	$\{\emptyset, 124679, 14568, 25789\}$	
95321:183	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{27}, e^{57} + e^{18} + e^{34}$	$8/225(8, 9, 19, 24, 17, 27, 26, 35, 43)$	$\{\emptyset, 124679, 134578, 235689\}$	
95321:188	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{17} + e^{45}, e^{18} + e^{25} + e^{47}$	$1/281(56, 168, 253, 112, 224, 309, 280, 336, 392)$	$\{\emptyset, 12379, 12679, 36\}$	
95321:194	$0, 0, 0, 0, e^{12}, -e^{13}, e^{25}, e^{27} + e^{16} + e^{34}, e^{57} + e^{46} + e^{18}$	$1/93(30, 29, 57, 60, 59, 87, 88, 117, 147)$	$\{\emptyset, 12679, 13578, 235689\}$	
95321:201	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{17} + e^{45} + e^{23}, e^{18} + e^{47} + e^{26}$	$1/4(1, 2, 3, 2, 3, 4, 4, 5, 6)$	$\{\emptyset, 12379, 1358, 25789\}$	
95321:204	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{35} + e^{17}, e^{37} + e^{46} + e^{18} + e^{25}$	$35/333(2, 6, 4, 5, 8, 9, 10, 12, 14)$	$\{\emptyset, 46\}$	
95321:226	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15} + e^{24}, e^{17} + e^{45}, e^{26} + e^{47} + e^{18} + e^{35}$	$1/4(1, 2, 3, 2, 3, 4, 4, 5, 6)$	$\{\emptyset, 12379, 1358, 25789\}$	
95321:237	$0, 0, 0, 0, -e^{12}, -2e^{13}, -e^{23} + e^{15}, e^{35} + e^{17} + e^{26}, e^{57} + e^{28} + e^{34}$	$4/13(1, 1, 2, 3, 2, 3, 3, 4, 5)$	$\{\emptyset, 124679, 145689, 2578\}$	
95321:240	$0, 0, 0, 0, -a_4 e^{12}, -e^{13}(-1 + a_4), e^{24} + e^{15}, a_4 e^{17} + e^{23} + e^{45}, e^{26} + e^{35} + e^{18} + e^{47}$	$1/4(1, 2, 3, 2, 3, 4, 4, 5, 6)$	$\{\emptyset, 12379, 1358, 25789\}$	
95321:254	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, -e^{13} + e^{25}, e^{27} + e^{35} - 2e^{16}, e^{18} + e^{57}$	$1/333(68, 117, 234, 283, 185, 351, 302, 419, 487)$	$\{\emptyset, 12679, 14578, 245689\}$	
95321:258	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, -e^{13} + e^{25}, -2e^{16} + e^{27} + e^{35}, e^{57} + e^{18} + e^{34}$	$32/279(2, 3, 6, 7, 5, 9, 8, 11, 13)$	$\{\emptyset, 245689\}$	
9542:8	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{16}, e^{17} + e^{26} + e^{34}$	$1/28(7, 13, 20, 20, 20, 27, 33, 34, 40)$	$\{\emptyset, 123467, 1267, 134578, 1578, 234568, 2568, 34\}$	
9542:9	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{16} + e^{34}, e^{17} + e^{26}$	$1/124(41, 45, 84, 84, 86, 127, 131, 168, 172)$	$\{\emptyset, 123467, 1267, 13578, 14578, 23568, 24568, 34\}$	
9542:15	$0, 0, 0, 0, e^{12}, e^{15}, e^{25} + e^{13}, e^{34} + e^{16}, e^{35} + e^{27}$	$1/127(46, 41, 82, 97, 87, 133, 128, 179, 169)$	$\{\emptyset, 1267, 145789, 245689\}$	
9542:16a	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{27} + e^{16}, e^{17} + e^{26} + e^{34}$	$11/32(1, 1, 2, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 123467, 1267, 134578, 1578, 234568, 2568, 34\}$	✓
9542:16b	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{27} - e^{16}, e^{26} + e^{34} + e^{17}$	$11/32(1, 1, 2, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 123467, 1267, 134578, 1578, 234568, 2568, 34\}$	✓
9542:17a	$0, 0, 0, 0, e^{12}, e^{15}, e^{25}, e^{17} + e^{26}, e^{27} + e^{34} + e^{16}$	$11/32(1, 1, 2, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 123467, 1267, 13579, 14579, 23569, 24569, 34\}$	✓
9542:17b	$0, 0, 0, 0, e^{12}, -e^{15}, e^{25}, e^{26} - e^{17}, e^{27} + e^{34} + e^{16}$	$11/32(1, 1, 2, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 123467, 1267, 13579, 14579, 23569, 24569, 34\}$	✓
9542:20	$0, 0, 0, 0, e^{12}, e^{15}, e^{25} + e^{13}, e^{16} + e^{24}, e^{27} + e^{35}$	$1/425(131, 154, 308, 393, 285, 416, 439, 547, 593)$	$\{\emptyset, 12467, 145789, 25689\}$	
9542:24	$0, 0, 0, 0, e^{12}, e^{15}, e^{13} + e^{25}, e^{24} + e^{16}, e^{17} + e^{26}$	$1/160(44, 67, 134, 132, 111, 155, 178, 199, 222)$	$\{\emptyset, 12467, 14578, 2568\}$	
9542:31	$0, 0, 0, 0, e^{12}, e^{13} + e^{25}, e^{15}, e^{35} + e^{26}, e^{34} + e^{27} + e^{16}$	$1/10(4, 3, 6, 8, 7, 10, 11, 13, 14)$	$\{\emptyset, 1267, 1568, 2578\}$	
9542:34	$0, 0, 0, 0, -e^{12}, e^{23} + e^{15}, -e^{14} + e^{25}, e^{35} + e^{16}, e^{45} + e^{27}$	$11/32(1, 1, 2, 2, 2, 3, 3, 4, 4)$	$\{\emptyset, 1267, 15789, 25689\}$	
9542:39	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, e^{25} + e^{14}, e^{16} + e^{35}, e^{17} + e^{26}$	$1/10(3, 4, 6, 8, 7, 10, 11, 13, 14)$	$\{\emptyset, 1267, 1578, 2568\}$	
9542:45	$0, 0, 0, 0, -e^{12}, e^{15} + e^{23}, a_3 e^{14} + e^{25}, e^{16} + e^{35}, e^{17} + e^{26} + e^{34}$	$1/10(3, 4, 6, 8, 7, 10, 11, 13, 14)$	$\{\emptyset, 1267, 1578, 2568\}$	
9531:99	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{26} + e^{35}, e^{17} + e^{34}$	$1/109(30, 59, 62, 87, 89, 92, 119, 151, 149)$	$\{\emptyset, 123478, 1267, 1359, 145689, 235679, 245789, 3468\}$	
9531:101	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{35} + e^{26}, e^{34} + e^{27}$	$1/69(40, 17, 33, 58, 57, 73, 74, 90, 91)$	$\{\emptyset, 123478, 1267, 13579, 1456789, 23569, 24589, 3468\}$	
9531:106	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{26} + e^{35} + e^{14}, e^{27}$	$1/8(4, 2, 5, 7, 6, 9, 8, 11, 10)$	$\{\emptyset, 12378, 12467, 134579, 156789, 23569, 24589, 3468\}$	
9531:119	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{15}, e^{27} + e^{35}$	$1/28(13, 8, 16, 20, 21, 36, 29, 34, 37)$	$\{\emptyset, 124678, 1278, 145679, 1579, 245689, 2589, 46\}$	
9531:121	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34} + e^{15}, e^{36}, e^{17} + e^{46}$	$1/49(10, 38, 25, 33, 48, 35, 58, 60, 68)$	$\{\emptyset, 12378, 124678, 134589, 15689, 235679, 24579, 346\}$	
9531:138	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{26} + e^{35}, e^{17} + e^{24}$	$1/225(64, 106, 147, 192, 170, 211, 234, 317, 298)$	$\{\emptyset, 123478, 12467, 13459, 145689, 235679, 25789, 368\}$	
9531:140	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{26} + e^{35}, e^{14} + e^{27}$	$1/225(106, 64, 133, 192, 170, 239, 234, 303, 298)$	$\{\emptyset, 123478, 12467, 13579, 156789, 234569, 24589, 368\}$	
9531:164	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{14} + e^{35} + e^{26}, e^{34} + e^{27}$	$1/81(44, 21, 43, 64, 65, 87, 86, 108, 107)$	$\{\emptyset, 23569, 24589, 3468\}$	
9531:171	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{15}, e^{45} + e^{27}$	$1/106(40, 37, 86, 74, 77, 126, 114, 117, 151)$	$\{\emptyset, 12378, 12678, 13579, 15679, 235689, 2589, 36\}$	
9531:172	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{25}, e^{17} + e^{45}$	$1/100(32, 43, 84, 64, 75, 116, 107, 118, 139)$	$\{\emptyset, 12378, 12678, 13589, 15689, 235679, 2579, 36\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
9531:175	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34} + e^{15}, e^{16}, e^{17} + e^{46}$	1/179(37, 143, 116, 101, 180, 153, 217, 190, 254)	{0, 12378, 12467, 134589, 1569, 2356789, 24579, 3468}	
9531:177	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{46}, e^{17} + e^{35}$	1/24(6, 15, 12, 10, 21, 22, 27, 32, 33)	{0, 12467, 127, 14569, 159, 245679, 2579, 46}	
9531:178	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{15} + e^{34}, e^{45} + e^{27}$	1/453(218, 135, 301, 270, 353, 519, 488, 571, 623)	{0, 12378, 15679, 235689}	
9531:179	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{34} + e^{25}, e^{45} + e^{17}$	1/25(7, 13, 19, 14, 20, 26, 27, 33, 34)	{0, 12378, 13589, 2579}	
9531:181	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{36}, e^{17} + e^{26} + e^{34}$	1/221(55, 144, 110, 199, 199, 165, 254, 275, 309)	{0, 12678, 145689, 24579}	
9531:184	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{36} + e^{24}, e^{17} + e^{26}$	1/389(107, 212, 214, 323, 319, 321, 426, 535, 533)	{0, 12678, 145689, 24579}	
9531:187	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{14} + e^{26} + e^{35}, e^{36} + e^{27}$	3/92(14, 10, 15, 25, 24, 29, 34, 39, 44)	{0, 134579, 156789, 3468}	
9531:192	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{36} + e^{24}, e^{35} + e^{17}$	1/389(107, 212, 214, 323, 319, 321, 426, 535, 533)	{0, 12678, 145689, 24579}	
9531:194	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15} + e^{34}, e^{24} + e^{36}, e^{17} + e^{46}$	1/489(109, 346, 267, 297, 455, 376, 564, 643, 673)	{0, 12378, 134589, 24579}	
9531:219	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15}, e^{35} + e^{16}, e^{17}$	1/179(37, 104, 101, 168, 141, 205, 178, 242, 215)	{0, 123478, 1267, 13569, 14589, 23579, 2456789, 3468}	
9531:220	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{35} + e^{26}, e^{17}$	2/39(6, 7, 15, 14, 13, 21, 19, 28, 25)	{0, 123478, 1267, 1359, 145689, 235679, 245789, 3468}	
9531:241	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15} + e^{34}, e^{25}, e^{17} + e^{46}$	1/257(82, 126, 155, 135, 208, 237, 290, 334, 372)	{0, 12378, 124678, 134589, 15689, 235679, 24579, 346}	
9531:242	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{36}, e^{17} + e^{45}$	1/21(6, 12, 11, 12, 18, 17, 24, 28, 30)	{0, 12378, 12678, 13589, 15689, 235679, 2579, 36}	
9531:243	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{36}, e^{27} + e^{45}$	1/9(4, 3, 4, 6, 7, 8, 10, 12, 13)	{0, 12378, 12678, 135789, 156789, 23569, 259, 36}	
9531:244	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{15} + e^{23}, e^{45} + e^{27}$	1/178(70, 61, 140, 122, 131, 210, 192, 201, 253)	{0, 12678, 15679, 2589}	
9531:247	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{16}, e^{17} + e^{26} + e^{34}$	1/88(25, 53, 50, 78, 78, 75, 103, 100, 128)	{0, 1267, 14569, 24579}	
9531:249	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{35} + e^{26}, e^{17} + e^{36} + e^{24}$	1/75(22, 38, 41, 66, 60, 63, 82, 101, 104)	{0, 13459, 145689, 368}	
9531:251	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{26} + e^{35}, e^{14} + e^{27} + e^{36}$	1/217(107, 66, 99, 198, 173, 206, 239, 272, 305)	{0, 13579, 156789, 368}	
9531:252	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{26} + e^{35}, e^{27} + e^{16} + e^{34}$	1/216(97, 69, 110, 194, 166, 207, 235, 276, 304)	{0, 1267, 13579, 23569}	
9531:254	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{14} + e^{26} + e^{35}, e^{16} + e^{27}$	1/389(151, 128, 233, 361, 279, 384, 407, 512, 535)	{0, 12467, 134579, 23569}	
9531:259	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{34} + e^{25}, e^{17} + e^{26}$	2/27(4, 7, 8, 10, 11, 12, 15, 18, 19)	{0, 124678, 145689, 2579}	
9531:260	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{36}, e^{17} + e^{35} + e^{24}$	2/53(7, 16, 14, 21, 23, 21, 30, 35, 37)	{0, 124678, 145689, 2579}	
9531:261	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{16} + e^{24}, e^{17} + e^{35}$	1/148(47, 70, 94, 118, 117, 141, 164, 188, 211)	{0, 12467, 1569, 24579}	
9531:265	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{36}, e^{35} + e^{17} + e^{26}$	1/389(107, 212, 214, 323, 319, 321, 426, 535, 533)	{0, 12678, 145689, 24579}	
9531:269a	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15} + e^{34}, e^{16} + e^{24}, e^{46} + e^{17}$	1/29(7, 20, 20, 14, 27, 27, 34, 34, 41)	{0, 12378, 12467, 134589, 1569, 2356789, 24579, 3468}	✓
9531:269b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15} + e^{34}, e^{16} + e^{24}, e^{17} + e^{46}$	1/29(7, 20, 20, 14, 27, 27, 34, 34, 41)	{0, 12378, 12467, 134589, 1569, 2356789, 24579, 3468}	✓
9531:272	$0, 0, 0, 0, e^{12}, e^{34}, e^{25} + e^{13}, e^{36} + e^{14}, e^{35} + e^{27}$	1/139(100, 25, 50, 89, 125, 139, 150, 189, 175)	{0, 245689, 259, 468}	
9531:276a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{24} + e^{36}, e^{26} + e^{17} + e^{34}$	14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)	{0, 12678, 145689, 24579}	
9531:276b	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{15}, e^{36} - e^{24}, e^{17} + e^{26} + e^{34}$	14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)	{0, 12678, 145689, 24579}	
9531:280a	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15} + e^{34}, e^{36} + e^{25}, e^{17} + e^{46}$	1/129(38, 69, 69, 76, 107, 107, 145, 176, 183)	{0, 12378, 124678, 134589, 15689, 235679, 24579, 346}	
9531:280b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{34} + e^{15}, e^{36} + e^{25}, e^{46} + e^{17}$	1/129(38, 69, 69, 76, 107, 107, 145, 176, 183)	{0, 12378, 124678, 134589, 15689, 235679, 24579, 346}	
9531:281	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{34} + e^{15}, e^{35} + e^{26}, e^{46} + e^{17}$	1/30(8, 18, 15, 19, 26, 23, 34, 41, 42)	{0, 12378, 12467, 13459, 15689, 235679, 245789, 3468}	
9531:285	$0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{25}, e^{24} + e^{15}, e^{27} + e^{16} + e^{34}$	7/139(8, 7, 13, 16, 15, 21, 22, 23, 29)	{0, 12678, 13579, 235689}	
9531:291	$0, 0, 0, 0, e^{12}, a_1 e^{13}, e^{15}, e^{16} + e^{23}, e^{25} + e^{34} + e^{17}$	1/14(4, 8, 9, 11, 12, 13, 16, 17, 20)	{0, 13589, 14569, 3468}	
9531:296	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{16}, e^{27} + e^{45}$	1/39(11, 15, 28, 30, 26, 39, 41, 50, 56)	{0, 12378, 1267, 135789, 15679, 235689, 259, 368}	
9531:299a	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{16} + e^{35}, e^{17} + e^{34}$	1/29(7, 17, 14, 24, 24, 31, 31, 38, 38)	{0, 123478, 1267, 13569, 14589, 23579, 2456789, 3468}	✓
9531:299b	$0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{15}, e^{16} + e^{35}, e^{17} + e^{34}$	1/29(7, 17, 14, 24, 24, 31, 31, 38, 38)	{0, 123478, 1267, 13569, 14589, 23579, 2456789, 3468}	✓
9531:300a	$0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15}, e^{35} + e^{26}, e^{17} + e^{34}$	2/37(6, 7, 13, 12, 13, 19, 19, 26, 25)	{0, 123478, 1267, 1359, 145689, 235679, 245789, 3468}	✓
9531:300b	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, -e^{15}, e^{35} + e^{26}, e^{17} + e^{34}$	2/37(6, 7, 13, 12, 13, 19, 19, 26, 25)	{0, 123478, 1267, 1359, 145689, 235679, 245789, 3468}	✓
9531:308	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25}, e^{17} + e^{26} + e^{34}$	1/9(3, 4, 6, 7, 9, 10, 11, 13)	{0, 12678, 145689, 24579}	
9531:309	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{14} + e^{25}, e^{17} + e^{26}$	1/71(23, 32, 46, 64, 55, 69, 78, 87, 101)	{0, 12678, 15689, 2579}	
9531:310	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{16}, e^{17} + e^{24} + e^{35}$	1/88(26, 49, 52, 78, 75, 78, 101, 104, 127)	{0, 12467, 14569, 2579}	
9531:312	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{16}, e^{35} + e^{26} + e^{17}$	1/148(47, 70, 94, 118, 117, 141, 164, 188, 211)	{0, 12467, 1569, 24579}	
9531:315	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{26} + e^{35}, e^{34} + e^{27} + e^{15}$	1/186(100, 50, 93, 157, 150, 193, 200, 243, 250)	{0, 23569, 24589, 3468}	
9531:318	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15} + e^{34}, e^{16}, e^{17} + e^{46} + e^{23}$	1/61(13, 48, 39, 35, 61, 52, 74, 65, 87)	{0, 12378, 134589, 24579}	
9531:321	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{34}, e^{17} + e^{26} + e^{35}$	2/27(4, 7, 8, 10, 11, 12, 15, 18, 19)	{0, 124678, 145689, 2579}	
9531:333	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{35} + e^{14} + e^{26}, e^{27} + e^{16} + e^{34}$	71/657(4, 3, 5, 8, 7, 9, 10, 12, 13)	{0, 23569}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
9531:335	$0, 0, 0, 0, -e^{12}, e^{13}a_2, e^{15} + e^{24}, e^{34} + e^{16}, e^{45} + e^{17}$	$1/8(2, 5, 6, 4, 7, 8, 9, 10, 11)$	$\{\emptyset, 12378, 1267, 13589, 1569, 2356789, 2579, 368\}$	
9531:336a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{16} + e^{34}, e^{27} + e^{45}$	$1/37(13, 13, 24, 26, 26, 37, 39, 50, 52)$	$\{\emptyset, 12378, 1267, 135789, 15679, 235689, 259, 368\}$	✓
9531:336b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{25}, e^{16} + e^{34}, e^{45} + e^{27}$	$1/37(13, 13, 24, 26, 26, 37, 39, 50, 52)$	$\{\emptyset, 12378, 1267, 135789, 15679, 235689, 259, 368\}$	✓
9531:347	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{15} + e^{34}, e^{25}, e^{17} + e^{36}$	$1/215(70, 102, 105, 137, 172, 207, 242, 274, 312)$	$\{\emptyset, 23579, 245679, 346\}$	
9531:351	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34} + e^{15}, e^{36}, e^{17} + e^{46} + e^{25}$	$1/17(5, 10, 8, 12, 15, 13, 20, 21, 25)$	$\{\emptyset, 134589, 15689, 346\}$	
9531:353	$0, 0, 0, 0, e^{12}, e^{34}, e^{25} + e^{13}, e^{15} + e^{46}, e^{27} + e^{35}$	$1/144(81, 38, 76, 62, 119, 138, 157, 200, 195)$	$\{\emptyset, 145679, 1579, 46\}$	
9531:354a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{36} + e^{25}, e^{17} + e^{26} + e^{34}$	$14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)$	$\{\emptyset, 12678, 145689, 24579\}$	
9531:354b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{36}, e^{17} + e^{26} + e^{34}$	$14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)$	$\{\emptyset, 12678, 145689, 24579\}$	
9531:359	$0, 0, 0, 0, a_1e^{12}, e^{13}(1 + a_1), e^{15} + e^{23}, e^{36} + e^{24}, e^{17} + e^{26} + e^{35}$	$1/389(107, 212, 214, 323, 319, 321, 426, 535, 533)$	$\{\emptyset, 12678, 145689, 24579\}$	
9531:366	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{35} + e^{16}, e^{36} + e^{17}$	$1/41(10, 26, 15, 31, 36, 41, 46, 51, 56)$	$\{\emptyset, 23579, 2456789, 3468\}$	
9531:367	$0, 0, 0, 0, -e^{12}, -e^{13} + e^{24}, e^{15} + e^{34}, e^{35} + e^{26}, e^{17} + e^{46}$	$4/99(8, 11, 15, 12, 19, 23, 27, 34, 35)$	$\{\emptyset, 235679, 245789, 3468\}$	
9531:371	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{35} + e^{16}, e^{24} + e^{17}$	$1/401(109, 197, 239, 327, 306, 436, 415, 545, 524)$	$\{\emptyset, 123478, 14589, 23579\}$	
9531:372	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{26} + e^{17} + e^{35}$	$1/71(23, 32, 46, 64, 55, 69, 78, 87, 101)$	$\{\emptyset, 12678, 15689, 2579\}$	
9531:374	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{16} + e^{23}, e^{17} + e^{45}$	$1/61(17, 34, 44, 34, 51, 61, 68, 78, 85)$	$\{\emptyset, 13589, 1569, 368\}$	
9531:383a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{14} + e^{26} + e^{35}, e^{15} + e^{34} + e^{27}$	$29/109(2, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 23569, 24589, 3468\}$	
9531:383b	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{35} - e^{14} + e^{26}, e^{34} + e^{27} + e^{15}$	$29/109(2, 1, 2, 3, 3, 4, 4, 5, 5)$	$\{\emptyset, 23569, 24589, 3468\}$	
9531:389	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15} + e^{34}, e^{16}, e^{46} + e^{17} + e^{25}$	$2/101(15, 30, 29, 31, 45, 44, 60, 59, 75)$	$\{\emptyset, 134589, 1569, 3468\}$	
9531:392	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{16}, e^{36} + e^{45} + e^{17}$	$1/101(29, 62, 60, 58, 91, 89, 120, 118, 149)$	$\{\emptyset, 13589, 1569, 368\}$	
9531:393	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{16}, e^{36} + e^{27} + e^{45}$	$1/243(77, 96, 144, 192, 173, 221, 269, 298, 365)$	$\{\emptyset, 135789, 15679, 368\}$	
9531:395	$0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{25}, e^{15}, e^{27} + e^{46} + e^{35}$	$1/135(62, 44, 88, 53, 106, 141, 150, 168, 194)$	$\{\emptyset, 124678, 1278, 46\}$	
9531:397a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{36} + e^{25}, e^{45} + e^{17}$	$1/129(38, 69, 69, 76, 107, 107, 145, 176, 183)$	$\{\emptyset, 12378, 12678, 13589, 15689, 235679, 2579, 36\}$	
9531:397b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15} + e^{24}, e^{36} + e^{25}, e^{45} + e^{17}$	$1/129(38, 69, 69, 76, 107, 107, 145, 176, 183)$	$\{\emptyset, 12378, 12678, 13589, 15689, 235679, 2579, 36\}$	
9531:398	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15} + e^{24}, e^{35} + e^{26}, e^{17} + e^{45}$	$1/31(10, 13, 20, 20, 23, 30, 33, 43, 43)$	$\{\emptyset, 12378, 1267, 1359, 15689, 235679, 25789, 368\}$	
9531:399	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{35} + e^{26}, e^{45} + e^{27}$	$1/31(13, 10, 19, 20, 23, 32, 33, 42, 43)$	$\{\emptyset, 12378, 1267, 13579, 156789, 23569, 2589, 368\}$	
9531:400	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{16}, e^{26} + e^{34} + e^{17}$	$49/309(2, 3, 4, 5, 5, 6, 7, 8, 9)$	$\{\emptyset, 24579\}$	
9531:401	$0, 0, 0, 0, a_1e^{12}, e^{13}(1 + a_1), e^{15} + e^{23}, e^{16} + e^{24}, e^{26} + e^{17} + e^{35}$	$1/148(47, 70, 94, 118, 117, 141, 164, 188, 211)$	$\{\emptyset, 12467, 1569, 24579\}$	
9531:402a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{15}, e^{36} + e^{25}, e^{17} + e^{35} + e^{24}$	$14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)$	$\{\emptyset, 124678, 145689, 2579\}$	
9531:402b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15} + e^{23}, e^{25} + e^{36}, e^{17} + e^{35} + e^{24}$	$14/51(1, 2, 2, 3, 3, 3, 4, 5, 5)$	$\{\emptyset, 124678, 145689, 2579\}$	
9531:410	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{23} + e^{15}, e^{34} + e^{25}, e^{35} + e^{26} + e^{17}$	$2/27(4, 7, 8, 10, 11, 12, 15, 18, 19)$	$\{\emptyset, 124678, 145689, 2579\}$	
9531:412	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34} + e^{15}, e^{24} + e^{36}, e^{46} + e^{25} + e^{17}$	$39/401(3, 6, 5, 7, 9, 8, 12, 13, 15)$	$\{\emptyset, 134589\}$	
9531:416	$0, 0, 0, 0, -e^{12}, e^{13}a_2, e^{24} + e^{15}, e^{34} + e^{16}, e^{36} + e^{45} + e^{17}$	$1/101(29, 62, 60, 58, 91, 89, 120, 118, 149)$	$\{\emptyset, 13589, 1569, 368\}$	
9531:417a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{16} + e^{34}, e^{36} + e^{45} + e^{27}$	$41/223(2, 2, 3, 4, 4, 5, 6, 7, 8)$	$\{\emptyset, 135789, 15679, 368\}$	✓
9531:417b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{25} + e^{14}, e^{34} + e^{16}, e^{36} + e^{27} + e^{45}$	$41/223(2, 2, 3, 4, 4, 5, 6, 7, 8)$	$\{\emptyset, 135789, 15679, 368\}$	✓
9531:421	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15} + e^{34}, e^{16} + e^{24} + e^{35}, e^{17} + e^{36}$	$9/64(2, 4, 3, 5, 6, 7, 8, 9, 10)$	$\{\emptyset, 3468\}$	
9531:424	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15}, e^{35} + e^{16}, e^{17} + e^{25}$	$1/8(2, 4, 5, 7, 6, 9, 8, 11, 10)$	$\{\emptyset, 13569, 14589, 3468\}$	
9531:426	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{25}, e^{15}, e^{16} + e^{27}$	$1/317(110, 119, 238, 247, 229, 357, 348, 339, 467)$	$\{\emptyset, 12678, 14579, 245689\}$	
9531:431	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{15}, e^{36} + e^{45} + e^{27}$	$1/521(192, 202, 303, 404, 394, 495, 596, 586, 798)$	$\{\emptyset, 13579, 15679, 36\}$	
9531:432	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{25}, e^{36} + e^{17} + e^{45}$	$1/489(176, 206, 279, 352, 382, 455, 558, 588, 734)$	$\{\emptyset, 13589, 15689, 36\}$	
9531:433	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{16}, e^{17} + e^{35} + e^{24}$	$5/32(2, 3, 4, 6, 5, 6, 7, 8, 9)$	$\{\emptyset, 2579\}$	
9531:436	$0, 0, 0, 0, a_1e^{12}, e^{13}(1 + a_1), e^{15} + e^{23}, e^{25} + e^{14}, e^{35} + e^{17} + e^{26}$	$1/71(23, 32, 46, 64, 55, 69, 78, 87, 101)$	$\{\emptyset, 12678, 15689, 2579\}$	
9531:438	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15}a_2 + e^{34}, e^{23} + e^{16}, e^{46} + e^{17} + e^{25}$	$2/101(15, 30, 29, 31, 45, 44, 60, 59, 75)$	$\{\emptyset, 134589, 1569, 3468\}$	
9531:439a	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34} + e^{15}, e^{24} + e^{16}, e^{46} + e^{25} + e^{17}$	$13/44(1, 2, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 134589, 1569, 3468\}$	✓
9531:439b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15} + e^{34}, e^{16} + e^{24}, e^{25} + e^{17} + e^{46}$	$13/44(1, 2, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 134589, 1569, 3468\}$	✓
9531:442a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{23} + e^{16}, e^{45} + e^{36} + e^{17}$	$13/44(1, 2, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 13589, 1569, 368\}$	✓
9531:442b	$0, 0, 0, 0, -e^{12}, e^{13}, -e^{15} + e^{24}, e^{16} + e^{23}, e^{17} + e^{36} + e^{45}$	$13/44(1, 2, 2, 2, 3, 3, 4, 4, 5)$	$\{\emptyset, 13589, 1569, 368\}$	✓
9531:450	$0, 0, 0, 0, -e^{12}, e^{13}a_2, e^{15} + e^{24}, e^{16} + e^{25} + e^{34}, e^{17} + e^{45}$	$1/25(7, 13, 19, 14, 20, 26, 27, 33, 34)$	$\{\emptyset, 12378, 13589, 2579\}$	
9531:456	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{15} + e^{34}, e^{27} + e^{36} + e^{45}$	$87/997(5, 4, 6, 8, 9, 11, 13, 14, 17)$	$\{\emptyset, 15679\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
9531:457	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{25} + e^{34}, e^{17} + e^{36} + e^{45}$	67/589(3, 4, 5, 6, 7, 8, 10, 11, 13)	{0, 13589}	
9531:460	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15} + e^{34}, e^{26} + e^{35}, e^{25} + e^{17} + e^{46}$	1/162(46, 92, 81, 103, 138, 127, 184, 219, 230)	{0, 13459, 15689, 3468}	
9531:461	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{23} + e^{15}, e^{45} + e^{16}, e^{17} + e^{26}$	1/128(43, 51, 86, 78, 94, 129, 137, 172, 180)	{0, 1267, 14569, 24579}	
9531:462	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{15} + e^{24}, e^{26} + e^{35}, e^{17} + e^{36} + e^{45}$	1/9(3, 4, 5, 6, 7, 8, 10, 12, 13)	{0, 1359, 15689, 368}	
9531:463	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{26} + e^{35}, e^{36} + e^{27} + e^{45}$	1/157(67, 54, 81, 108, 121, 148, 175, 202, 229)	{0, 13579, 156789, 368}	
9531:467	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{35} + e^{16}, e^{17} + e^{36} + e^{24}$	61/489(2, 5, 3, 6, 7, 8, 9, 10, 11)	{0, 23579}	
9531:469	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{25}, e^{17} + e^{26} + e^{35}$	1/317(119, 110, 238, 247, 229, 357, 348, 339, 467)	{0, 12678, 145689, 24579}	
9531:470	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{15}, e^{45} + e^{16} + e^{27}$	1/317(110, 119, 247, 238, 229, 357, 348, 339, 467)	{0, 12678, 13579, 235689}	
9531:471a	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{35} + e^{16}, e^{34} + e^{17} + e^{25}$	29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)	{0, 13569, 14589, 3468}	✓
9531:471b	$0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{15}, e^{16} + e^{35}, e^{17} + e^{34} + e^{25}$	29/109(1, 2, 2, 3, 3, 4, 4, 5, 5)	{0, 13569, 14589, 3468}	✓
9531:474	$0, 0, 0, 0, -e^{12}, e^{13}a_2 + e^{24}, e^{15}, e^{16} + e^{45} + e^{23}, e^{17} + e^{25}$	1/8(2, 4, 7, 5, 6, 9, 8, 11, 10)	{0, 13589, 14569, 3468}	
9531:475a	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{25} + e^{13}, e^{15}, e^{27} + e^{16} + e^{34}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678, 14579, 245689}	✓
9531:475b	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{25} + e^{13}, e^{15}, e^{16} + e^{34} + e^{27}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678, 14579, 245689}	✓
9531:482a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{15} + e^{24}, e^{45} + e^{36} + e^{27}$	4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)	{0, 13579, 15679, 36}	
9531:482b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25} - e^{14}, e^{24} + e^{15}, e^{27} + e^{36} + e^{45}$	4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)	{0, 13579, 15679, 36}	
9531:487	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{25} + e^{16}, e^{45} + e^{36} + e^{17}$	67/589(3, 4, 5, 6, 7, 8, 10, 11, 13)	{0, 13589}	
9531:489	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{35} + e^{26}, e^{45} + e^{27} + e^{16}$	1/128(51, 43, 78, 86, 94, 129, 137, 172, 180)	{0, 1267, 13579, 23569}	
9531:490	$0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{15}, e^{35} + e^{16}, e^{26} + e^{17} + e^{45}$	1/128(43, 51, 78, 86, 94, 129, 137, 172, 180)	{0, 1267, 13569, 23579}	
9531:494	$0, 0, 0, 0, -e^{12}, e^{13}a_2, e^{15} + e^{24}, e^{16} + e^{34} + e^{25}, e^{17} + e^{36} + e^{45}$	67/589(3, 4, 5, 6, 7, 8, 10, 11, 13)	{0, 13589}	
9531:496	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15} + e^{34}, e^{16} + e^{35}, e^{25} + e^{17} + e^{36}$	9/64(2, 4, 3, 5, 6, 7, 8, 9, 10)	{0, 3468}	
9531:498	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15}, e^{25} + e^{13}, e^{17} + e^{26} + e^{45}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678}	
9531:500	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{15} + e^{23}, e^{16} + e^{27} + e^{45}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678}	
9531:501a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{24} + e^{15}, e^{45} + e^{27} + e^{16}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678, 13579, 235689}	
9531:501b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25} - e^{14}, e^{24} + e^{15}, e^{27} + e^{16} + e^{45}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678, 13579, 235689}	
9531:503a	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15}, e^{23}a_2 + e^{16} + e^{45}, e^{34} + e^{17} + e^{25}$	29/109(1, 2, 3, 2, 3, 4, 4, 5, 5)	{0, 13589, 14569, 3468}	
9531:503b	$0, 0, 0, 0, -e^{12}, e^{24} - e^{13}, e^{15}, e^{23}a_2 + e^{16} + e^{45}, e^{17} + e^{25} + e^{34}$	29/109(1, 2, 3, 2, 3, 4, 4, 5, 5)	{0, 13589, 14569, 3468}	
9531:504	$0, 0, 0, 0, a_1e^{12}, e^{13} + e^{24}, e^{15} + e^{23}, e^{25} + e^{14}, e^{17} + e^{26} + e^{34}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678}	
9531:505	$0, 0, 0, 0, a_1e^{12}, e^{23} + e^{14}, e^{13}(1 + a_1) + e^{25}, e^{15}, e^{35} + e^{27} + e^{16}$	1/317(110, 119, 238, 247, 229, 357, 348, 339, 467)	{0, 12678, 14579, 245689}	
9531:512	$0, 0, 0, 0, -a_3e^{12}, -e^{13}(-1 + a_3) + e^{24}, e^{15} + e^{23}, a_3e^{16} + e^{45}, e^{26} + e^{35} + e^{17}$	1/128(43, 51, 86, 78, 94, 129, 137, 172, 180)	{0, 1267, 14569, 24579}	
9531:514	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, a_3e^{15} + e^{34}, e^{16} + e^{24} + e^{35}, e^{17} + e^{25} + e^{36}$	9/64(2, 4, 3, 5, 6, 7, 8, 9, 10)	{0, 3468}	
9531:515	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2 + e^{24}, e^{15} + e^{23}, e^{14} + e^{25}, e^{17} + e^{35} + e^{26}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678}	
9531:521	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25}, e^{27} + e^{18} + e^{34}$	1/31(11, 12, 22, 24, 23, 33, 34, 35, 46)	{0, 123478, 12678, 13458, 1568, 234567, 257, 346}	
9531:523	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{25}, e^{18} + e^{27}$	3/61(7, 7, 18, 18, 14, 25, 21, 21, 28)	{0, 123478, 12678, 1358, 14568, 23567, 2457, 346}	
9531:525	$0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{15}, e^{25}, e^{18} + e^{34} + e^{27}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 123478, 12678, 346}	
9531:528	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{27} + e^{18}$	1/61(16, 27, 53, 54, 43, 69, 59, 70, 86)	{0, 12378, 12678, 1358, 1568, 23567, 257, 36}	
9531:529	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{28} + e^{17}$	1/179(72, 55, 143, 144, 127, 215, 182, 199, 254)	{0, 12378, 12678, 1357, 1567, 23568, 258, 36}	
9531:535	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{28} + e^{34} + e^{17}$	1/61(23, 22, 44, 46, 45, 67, 67, 68, 90)	{0, 12678, 1567, 258}	
9531:536	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15}, e^{25} + e^{13}, e^{27} + e^{18}$	1/10(3, 4, 8, 9, 7, 12, 10, 11, 14)	{0, 12678, 1458, 24567}	
9531:538a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{25} + e^{14}, e^{17} + e^{28}$	1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)	{0, 12378, 12678, 13589, 15689, 235679, 2579, 36}	✓
9531:538b	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} - e^{15}, e^{25} + e^{14}, e^{28} + e^{17}$	1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)	{0, 12378, 12678, 13589, 15689, 235679, 2579, 36}	✓
9531:539a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{24} + e^{15}, e^{28} + e^{17}$	1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)	{0, 12378, 12678, 1357, 1567, 23568, 258, 36}	✓
9531:539b	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} - e^{14}, e^{24} + e^{15}, e^{28} + e^{17}$	1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)	{0, 12378, 12678, 1357, 1567, 23568, 258, 36}	✓
9531:542	$0, 0, 0, 0, e^{12}, e^{34}, e^{15}, e^{25}, e^{27} + e^{18} + e^{36}$	1/24(9, 9, 10, 16, 18, 26, 27, 27, 36)	{0, 123678, 1278, 13568, 158, 23567, 257, 36}	
9531:545a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{45} + e^{17} + e^{28}$	1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)	{0, 12378, 12678, 13589, 15689, 235679, 2579, 36}	
9531:545b	$0, 0, 0, 0, e^{12}, e^{13}, -e^{15}, e^{25} + e^{14}, e^{28} + e^{45} + e^{17}$	1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)	{0, 12378, 12678, 13589, 15689, 235679, 2579, 36}	
9531:546a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25}, e^{24} + e^{15}, e^{45} + e^{27} + e^{18}$	1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)	{0, 12378, 12678, 13579, 15679, 235689, 2589, 36}	
9531:546b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25}, e^{24} - e^{15}, e^{27} + e^{18} + e^{45}$	1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)	{0, 12378, 12678, 13579, 15679, 235689, 2589, 36}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
9531:549a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{14} + e^{25}, e^{28} + e^{34} + e^{17}$	$7/19(1, 1, 2, 2, 2, 3, 3, 3, 4)$	$\{0, 12678, 13589, 235679\}$	✓
9531:549b	$0, 0, 0, 0, e^{12}, e^{13}, -e^{15} + e^{24}, e^{25} + e^{14}, e^{28} + e^{17} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 3, 4)$	$\{0, 12678, 13589, 235679\}$	✓
9531:550a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{14} + e^{25}, e^{18} + e^{34} + e^{27}$	$7/19(1, 1, 2, 2, 2, 3, 3, 3, 4)$	$\{0, 12678, 1568, 257\}$	✓
9531:550b	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{25} - e^{14}, e^{18} + e^{27} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 3, 4)$	$\{0, 12678, 1568, 257\}$	✓
9531:553	$0, 0, 0, 0, e^{12}, -e^{13}, e^{15}, e^{25} + e^{34}, e^{18} + e^{46} + e^{27}$	$1/17(5, 8, 11, 10, 13, 16, 18, 21, 26)$	$\{0, 12378, 124678, 1358, 14568, 234567, 257, 346\}$	
9531:554a	$0, 0, 0, 0, e^{12}, -e^{13}, e^{25}, e^{34} + e^{15}, e^{18} + e^{27} + e^{46}$	$1/73(28, 28, 43, 41, 56, 71, 84, 84, 112)$	$\{0, 12378, 124678, 134579, 15679, 235689, 24589, 346\}$	
9531:554b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{25}, -e^{15} + e^{34}, e^{27} + e^{18} + e^{46}$	$1/73(28, 28, 43, 41, 56, 71, 84, 84, 112)$	$\{0, 12378, 124678, 134579, 15679, 235689, 24589, 346\}$	
9531:558a	$0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{15} + e^{24}, e^{14}(1 + a_1) + e^{25}, e^{17} + e^{28} + e^{45}$	$1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)$	$\{0, 12378, 12678, 13589, 15689, 235679, 2579, 36\}$	
9531:558b	$0, 0, 0, 0, a_1 e^{12}, e^{13}, -e^{15} + e^{24}, e^{14}(1 + a_1) + e^{25}, e^{28} + e^{45} + e^{17}$	$1/89(32, 32, 73, 64, 64, 105, 96, 96, 128)$	$\{0, 12378, 12678, 13589, 15689, 235679, 2579, 36\}$	
9531:559	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{27} + e^{18} + e^{36}$	$1/217(64, 99, 131, 198, 163, 195, 227, 262, 326)$	$\{0, 23567, 257, 36\}$	
9531:560	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{28} + e^{17} + e^{36}$	$1/213(88, 73, 117, 176, 161, 205, 234, 249, 322)$	$\{0, 23568, 258, 36\}$	
9531:562	$0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{23} + e^{15}, e^{25} + e^{14}, e^{34} + e^{27} + e^{18}$	$1/31(11, 12, 22, 24, 23, 33, 34, 35, 46)$	$\{0, 12678, 1568, 257\}$	
9531:564	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{15}, e^{25} + e^{34}, e^{18} + e^{27} + e^{36}$	$3/67(7, 10, 12, 15, 17, 22, 24, 27, 34)$	$\{0, 13568, 1458, 346\}$	
9531:565	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23} + e^{15}, e^{34} + e^{25}, e^{18} + e^{27} + e^{46}$	$1/163(51, 74, 102, 97, 125, 153, 176, 199, 250)$	$\{0, 124678, 14568, 257\}$	
9531:572	$0, 0, 0, 0, a_1 e^{12}, e^{24} + e^{13}, e^{23} + e^{15}, e^{14} + e^{25}, e^{27} + e^{18} + e^{34}$	$7/19(1, 1, 2, 2, 2, 3, 3, 3, 4)$	$\{0, 12678\}$	
9531:573	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{25} + e^{14}, e^{18} + e^{36} + e^{27}$	$17/113(2, 3, 4, 6, 5, 6, 7, 8, 10)$	$\{0, 257\}$	
9531:574a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{25} + e^{14}, e^{17} + e^{28} + e^{36}$	$4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)$	$\{0, 13589, 15689, 36\}$	✓
9531:574b	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} - e^{15}, e^{25} + e^{14}, e^{17} + e^{28} + e^{36}$	$4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)$	$\{0, 13589, 15689, 36\}$	✓
9531:575a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{25} + e^{14}, e^{27} + e^{18} + e^{36}$	$4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)$	$\{0, 23567, 257, 36\}$	✓
9531:575b	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, -e^{14} + e^{25}, e^{36} + e^{18} + e^{27}$	$4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)$	$\{0, 23567, 257, 36\}$	✓
9531:577	$0, 0, 0, 0, e^{12}, -e^{23} + e^{14}, e^{13} + e^{25}, e^{15} + e^{34}, e^{46} + e^{28} + e^{17}$	$23/211(4, 3, 6, 5, 7, 9, 10, 11, 14)$	$\{0, 24568\}$	
9531:579a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{27} + e^{36} + e^{45} + e^{18}$	$4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)$	$\{0, 13579, 15679, 36\}$	
9531:579b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25}, -e^{15} + e^{24}, e^{27} + e^{18} + e^{36} + e^{45}$	$4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)$	$\{0, 13579, 15679, 36\}$	
9531:581a	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{13}, e^{24} + e^{15}, e^{14}a_2 + e^{25}, e^{28} + e^{36} + e^{45} + e^{17}$	$4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)$	$\{0, 13589, 15689, 36\}$	
9531:581b	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{13}, e^{24} - e^{15}, e^{14}a_2 + e^{25}, e^{36} + e^{45} + e^{28} + e^{17}$	$4/21(2, 2, 3, 4, 4, 5, 6, 6, 8)$	$\{0, 13589, 15689, 36\}$	
9531:658	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{16}, e^{18} + e^{34} + e^{27}$	$1/175(47, 84, 121, 141, 131, 168, 178, 215, 262)$	$\{0, 123478, 13458, 257\}$	
9531:659	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{26} + e^{35}, e^{37} + e^{14} + e^{28}$	$1/55(30, 13, 24, 50, 43, 54, 56, 67, 80)$	$\{0, 123478, 12679, 13457, 156789, 234569, 258, 34689\}$	
9531:661	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{36} + e^{24}, e^{27} + e^{38}$	$1/27(17, 7, 7, 24, 24, 24, 31, 31, 38)$	$\{0, 12378, 1456789, 234569\}$	
9531:666	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25}, e^{16} + e^{24}, e^{45} + e^{18} + e^{27}$	$1/81(20, 33, 59, 66, 53, 79, 86, 99, 119)$	$\{0, 12378, 15679, 235689\}$	
9531:667	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{16}, e^{18} + e^{27} + e^{45}$	$1/81(20, 33, 59, 66, 53, 79, 86, 99, 119)$	$\{0, 12378, 15679, 235689\}$	
9531:668	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{36}, e^{45} + e^{38} + e^{17}$	$1/537(174, 303, 217, 348, 477, 391, 651, 608, 825)$	$\{0, 12378, 15689, 235679\}$	
9531:669	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{36}, e^{27} + e^{45} + e^{38}$	$1/23(11, 8, 8, 16, 19, 19, 27, 27, 35)$	$\{0, 12378, 156789, 23569\}$	
9531:675	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{26} + e^{35}, e^{28} + e^{37}$	$1/17(11, 4, 5, 14, 15, 16, 19, 20, 24)$	$\{0, 12378, 124679, 1357, 1456789, 234569, 258, 34689\}$	
9531:680	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{36}, e^{14} + e^{38} + e^{27}$	$13/45(2, 1, 1, 3, 3, 3, 4, 4, 5)$	$\{0, 234569\}$	
9531:681	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{16} + e^{24}, e^{37} + e^{56} + e^{28}$	$1/185(55, 78, 108, 140, 133, 163, 188, 218, 296)$	$\{0, 12378, 124679, 134589, 156, 235678, 24579, 34689\}$	
9531:682	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{23}, e^{16} + e^{25}, e^{18} + e^{34} + e^{27}$	$17/113(2, 3, 4, 6, 5, 6, 7, 8, 10)$	$\{0, 257\}$	
9531:683	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{13}, e^{14}a_2 + e^{25}, e^{24} + e^{16}, e^{45} + e^{27} + e^{18}$	$1/81(20, 33, 59, 66, 53, 79, 86, 99, 119)$	$\{0, 12378, 15679, 235689\}$	
9531:684a	$0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{35}, e^{36} + e^{25}, e^{38} + e^{27} + e^{14}$	$2/33(9, 5, 5, 15, 14, 14, 19, 19, 24)$	$\{0, 123478, 12689, 13458, 156789, 234569, 257, 34679\}$	
9531:684b	$0, 0, 0, 0, -e^{12}, e^{13}, -e^{26} + e^{35}, e^{25} + e^{36}, e^{14} + e^{38} + e^{27}$	$2/33(9, 5, 5, 15, 14, 14, 19, 19, 24)$	$\{0, 123478, 12689, 13458, 156789, 234569, 257, 34679\}$	
9531:687	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{36}, e^{38} + e^{15} + e^{27}$	$13/45(2, 1, 1, 3, 3, 3, 4, 4, 5)$	$\{0, 234569\}$	
9531:689	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{35} + e^{26}, e^{14} + e^{28} + e^{37}$	$1/163(102, 40, 51, 131, 142, 153, 182, 193, 233)$	$\{0, 234569, 258, 34689\}$	
9531:694	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{34} + e^{16}, e^{28} + e^{37} + e^{56}$	$1/15(5, 7, 7, 10, 12, 12, 17, 17, 24)$	$\{0, 12378, 12679, 13589, 156, 235678, 2579, 3689\}$	
9531:695a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{34}, e^{16} + e^{24}, e^{28} + e^{37} + e^{56}$	$1/15(5, 7, 7, 10, 12, 12, 17, 17, 24)$	$\{0, 12378, 124679, 134589, 156, 235678, 24579, 34689\}$	
9531:695b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34} + e^{15}, -e^{24} + e^{16}, e^{28} + e^{37} + e^{56}$	$1/15(5, 7, 7, 10, 12, 12, 17, 17, 24)$	$\{0, 12378, 124679, 134589, 156, 235678, 24579, 34689\}$	
9531:696	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{14} + e^{26} + e^{35}, e^{28} + e^{37} + e^{45}$	$1/4(2, 1, 2, 3, 3, 4, 4, 5, 6)$	$\{0, 12378, 124679, 13457, 156789, 23569, 2458, 34689\}$	
9531:698	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{35} + e^{26}, e^{46} + e^{28} + e^{37}$	$1/15(7, 5, 6, 10, 12, 13, 17, 18, 23)$	$\{0, 12378, 12679, 1357, 156789, 23569, 258, 3689\}$	
9531:706	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25}, e^{24} + e^{16}, e^{18} + e^{45} + e^{36} + e^{27}$	$15/149(3, 4, 6, 8, 7, 9, 11, 12, 15)$	$\{0, 15679\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
9531:707	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36}, e^{25} + e^{38} + e^{17} + e^{46}$	15/149(3, 6, 4, 8, 9, 7, 12, 11, 15)	{0, 15689}	
9531:709	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{26} + e^{35}, e^{15} + e^{28} + e^{37}$	1/71(42, 19, 23, 57, 61, 65, 80, 84, 103)	{0, 124679, 1357, 234569}	
9531:711	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{35} + e^{26}, e^{37} + e^{28} + e^{16}$	1/35(20, 10, 11, 29, 30, 31, 40, 41, 51)	{0, 234569, 258, 34689}	
9531:715	$0, 0, 0, 0, -e^{12}, e^{13}, e^{34} + e^{15}, e^{25} + e^{16}, e^{37} + e^{28} + e^{56}$	1/441(167, 174, 181, 327, 341, 348, 508, 515, 689)	{0, 12378, 134589, 24579}	
9531:716	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + 2e^{15}, e^{35} + e^{26}, e^{56} + e^{18} + e^{37}$	1/76(25, 38, 28, 60, 63, 53, 88, 91, 116)	{0, 12378, 124679, 13459, 1568, 23567, 245789, 34689}	
9531:717	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{14} + e^{26} + e^{35}, e^{28} + e^{37} + e^{45}$	1/49(27, 13, 20, 33, 40, 47, 53, 60, 73)	{0, 12378, 124679, 34689}	
9531:718	$0, 0, 0, 0, a_1 e^{12}, -e^{13}, e^{15} + e^{24}, e^{16} + e^{25} + e^{34}, e^{27} + e^{18} + e^{46}$	1/17(5, 8, 11, 10, 13, 16, 18, 21, 26)	{0, 12378, 1358, 257}	
9531:719	$0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{14}(1 + a_1) + e^{25}, e^{16} + e^{24}, e^{45} + e^{36} + e^{18} + e^{27}$	15/149(3, 4, 6, 8, 7, 9, 11, 12, 15)	{0, 15679}	
9531:724	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23} + e^{15}, e^{16} + e^{34} + e^{25}, e^{18} + e^{27} + e^{46}$	49/319(2, 3, 4, 4, 5, 6, 7, 8, 10)	{0, 257}	
9531:726	$0, 0, 0, 0, -e^{12}, -e^{13}, 2e^{16} + e^{25}, e^{26} + e^{35}, e^{56} + e^{18} + e^{34} + e^{27}$	5/87(5, 7, 9, 17, 12, 14, 19, 21, 26)	{0, 123478, 13579, 24589}	
9531:727	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{25} + e^{16} + e^{34}, e^{28} + e^{37} + e^{56}$	1/46(16, 19, 22, 32, 35, 38, 51, 54, 73)	{0, 12378, 13589, 2579}	
9531:729a	$0, 0, 0, 0, e^{12}, e^{13}, e^{36} + e^{25}, e^{26} + e^{35} + e^{14}, e^{37} + e^{28} + e^{45}$	1/23(11, 8, 8, 16, 19, 19, 27, 27, 35)	{0, 12378, 124679, 13457, 156789, 23569, 2458, 34689}	
9531:729b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{36} + e^{25}, e^{35} + e^{14} - e^{26}, e^{28} + e^{37} + e^{45}$	1/23(11, 8, 8, 16, 19, 19, 27, 27, 35)	{0, 12378, 124679, 13457, 156789, 23569, 2458, 34689}	
9531:730a	$0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{35}, e^{14} + e^{36} + e^{25}, e^{28} + e^{37} + e^{45}$	1/23(11, 8, 8, 16, 19, 19, 27, 27, 35)	{0, 12378, 1268, 13589, 156789, 23569, 2579, 367}	
9531:730b	$0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{35}, -e^{25} + e^{36} + e^{14}, e^{28} + e^{37} + e^{45}$	1/23(11, 8, 8, 16, 19, 19, 27, 27, 35)	{0, 12378, 1268, 13589, 156789, 23569, 2579, 367}	
9531:739	$0, 0, 0, 0, -e^{12}, -e^{13}, 2e^{16} + e^{25}, e^{26} + e^{35} + e^{14}, e^{27} + e^{18} + e^{56}$	1/49(13, 20, 27, 47, 33, 40, 53, 60, 73)	{0, 12378, 134579, 24589}	
9531:742	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{35} + e^{14} + e^{26}, e^{37} + e^{45} + e^{16} + e^{28}$	11/81(4, 2, 3, 5, 6, 7, 8, 9, 11)	{0, 34689}	
9531:743	$0, 0, 0, 0, -e^{12}, e^{13}, e^{25} + e^{34} + e^{16}, e^{24} + e^{36} + e^{15}, e^{27} + e^{56} + e^{38}$	19/49(1, 1, 1, 2, 2, 2, 3, 3, 4)	{0, 12378}	
9531:745	$0, 0, 0, 0, -e^{12}, -e^{13}, 2e^{16} + e^{25}, e^{14} + e^{26} + e^{35}, e^{27} + e^{56} + e^{18} + e^{34}$	11/81(2, 3, 4, 7, 5, 6, 8, 9, 11)	{0, 24589}	
9531:752	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{35} + e^{16}, e^{18} + e^{37}$	1/31(5, 20, 13, 28, 25, 33, 30, 38, 43)	{0, 123478, 12679, 13569, 1458, 2357, 2456789, 34689}	
9531:753	$0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{46}, e^{48} + e^{17} + e^{35}$	1/327(93, 201, 186, 98, 294, 284, 387, 382, 480)	{0, 127, 14569, 245679}	
9531:755	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{34} + e^{15}, e^{16} + e^{35}, e^{18} + e^{37}$	1/67(14, 45, 21, 52, 59, 66, 73, 80, 94)	{0, 2357, 2456789, 34689}	
9531:756	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15}, e^{16} + e^{35}, e^{18} + e^{37} + e^{24}$	1/329(65, 195, 147, 277, 260, 342, 325, 407, 472)	{0, 123478, 12679, 34689}	
9531:757	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15}, e^{16} + e^{35}, e^{25} + e^{37} + e^{18}$	1/128(22, 79, 57, 114, 101, 136, 123, 158, 180)	{0, 12679, 13569, 2357}	
9531:759a	$0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{24}, e^{25} + e^{16}, e^{26} + e^{15}, e^{17} + e^{28}$	1/33(7, 7, 24, 24, 31, 31, 38, 38, 45)	{0, 123478, 12569, 1357, 14689, 23679, 2458, 3456789}	
9531:759b	$0, 0, 0, 0, -e^{14} + e^{23}, e^{13} + e^{24}, -e^{16} + e^{25}, e^{15} + e^{26}, e^{17} + e^{28}$	1/33(7, 7, 24, 24, 31, 31, 38, 38, 45)	{0, 123478, 12569, 1357, 14689, 23679, 2458, 3456789}	
9531:760	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15} + e^{34}, e^{35} + e^{16}, e^{24} + e^{37} + e^{18}$	23/211(2, 6, 3, 7, 8, 9, 10, 11, 13)	{0, 34689}	
9531:762	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{35} + e^{16}, e^{18} + e^{37} + e^{25}$	31/256(2, 5, 3, 6, 7, 8, 9, 10, 12)	{0, 2357}	
9531:763	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{35} + e^{16} + e^{24}, e^{26} + e^{37} + e^{18}$	1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)	{0, 13569, 1458, 34689}	
9531:764	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15} + e^{23}, e^{16} + e^{45}, e^{18} + e^{47} + e^{36}$	1/46(14, 23, 28, 19, 37, 42, 51, 56, 70)	{0, 12679, 14569, 2457}	
9531:770	$0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{15}, e^{16} + e^{35}, e^{37} + e^{18} + e^{26} + e^{45}$	1/4(1, 2, 2, 3, 3, 4, 4, 5, 6)	{0, 13569, 1458, 34689}	
9531:772a	$0, 0, 0, 0, e^{23} + e^{14}, e^{24} + e^{13}, e^{25} + e^{16}, e^{26} + e^{15}, e^{34} + e^{28} + e^{17}$	16/69(1, 1, 3, 3, 4, 4, 5, 6)	{0, 123478, 14689, 23679}	
9531:772b	$0, 0, 0, 0, e^{23} - e^{14}, e^{24} + e^{13}, -e^{16} + e^{25}, e^{15} + e^{26}, e^{28} + e^{17} + e^{34}$	16/69(1, 1, 3, 3, 4, 4, 5, 6)	{0, 123478, 14689, 23679}	
9531:773	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{24} + e^{35} + e^{16}, e^{18} + e^{37} + e^{26}$	11/81(2, 4, 3, 5, 6, 7, 8, 9, 11)	{0, 34689}	
9531:778	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2 + e^{24}, e^{15}, -(-1 + a_2)e^{16} + e^{23} + e^{45}, e^{26} + e^{47} + e^{18} + e^{35}$	1/4(1, 2, 3, 2, 3, 4, 4, 5, 6)	{0, 1358, 14569, 34689}	
9531:782	$0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{15} + e^{34}, e^{16} + e^{35}, e^{37} + e^{18} + e^{26} + e^{45}$	11/81(2, 4, 3, 5, 6, 7, 8, 9, 11)	{0, 34689}	
9531:784a	$0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{24}, e^{26} + e^{15}, e^{34} + e^{25} + e^{16}, e^{35} + e^{18} + e^{27}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1358, 23689}	
9531:784b	$0, 0, 0, 0, e^{14} + e^{23}, e^{13} - e^{24}, e^{15} + e^{26}, -e^{16} + e^{34} + e^{25}, e^{18} + e^{35} + e^{27}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1358, 23689}	
9531:785a	$0, 0, 0, 0, e^{24} + e^{13}, e^{23} + e^{14}, e^{15} + e^{26}, e^{16} + e^{25} + e^{34}, e^{35} + e^{28} + e^{17}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 14589, 2468}	
9531:785b	$0, 0, 0, 0, e^{24} + e^{13}, -e^{14} + e^{23}, e^{26} - e^{15}, e^{25} + e^{34} + e^{16}, e^{35} + e^{17} + e^{28}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 14589, 2468}	
9531:789	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2 + e^{24}, e^{34} + e^{15}, -(-1 + a_2)e^{16} + e^{45} + e^{23}, e^{18} + e^{47} + e^{35} + e^{26}$	11/81(2, 4, 5, 3, 6, 7, 8, 9, 11)	{0, 34689}	
9531:792a	$0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{24}, e^{16} + e^{25}, e^{26} + e^{15}, e^{28} + e^{46} + e^{35} + e^{17}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1357, 23679}	
9531:792b	$0, 0, 0, 0, -e^{23} - e^{14}, e^{24} - e^{13}, -e^{16} + e^{25}, e^{15} + e^{26}, e^{28} + e^{17} + e^{35} + e^{46}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 1357, 23679}	
9531:795a	$0, 0, 0, 0, e^{23}(-1 + a_5) + e^{14}a_5, e^{13} + e^{24}a_5, \frac{e^{15}}{-1+a_5} + e^{26}, e^{16} + e^{25} + e^{34}, e^{45} + e^{28} + e^{17} + e^{36}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 13589, 2368}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
9531:795b	$0, 0, 0, 0, e^{23}(-1 + a_5) + e^{14}a_5,$ $-e^{13} + e^{24}a_5, -\frac{e^{15}}{-1+a_5} + e^{26}, e^{34} + e^{25} + e^{16}, e^{45} + e^{36} + e^{17} + e^{28}$	5/17(1, 1, 2, 2, 3, 3, 4, 4, 5)	{0, 12569, 13589, 2368}	
9521:49	0, 0, 0, 0, $e^{12}, e^{13}, e^{34}, e^{14} + e^{25}, e^{45} + e^{28}$	1/109(58, 31, 69, 62, 89, 127, 131, 120, 151)	{0, 12378, 1268, 135789, 15689, 235679, 259, 367}	
9521:65	0, 0, 0, 0, $-e^{12}, e^{13}, e^{23}, e^{15} + e^{24}, e^{45} + e^{18}$	1/179(58, 83, 132, 116, 141, 190, 215, 199, 257)	{0, 1238, 12678, 13579, 1569, 235689, 25789, 367}	
9521:68	0, 0, 0, 0, $e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{18} + e^{26}$	1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)	{0, 124678, 1268, 145679, 1569, 245789, 2589, 47}	
9521:84	0, 0, 0, 0, $e^{12}, e^{13}, e^{34}, e^{15}, e^{26} + e^{35} + e^{18}$	1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)	{0, 124678, 1268, 145679, 1569, 245789, 2589, 47}	
9521:86	0, 0, 0, 0, $e^{12}, -e^{13}, e^{23}, e^{34} + e^{15}, e^{18} + e^{46}$	1/109(30, 69, 62, 67, 99, 92, 131, 129, 159)	{0, 1238, 124678, 134579, 1569, 235689, 245789, 3467}	
9521:88	0, 0, 0, 0, $e^{12}, -e^{13}, e^{24}, e^{15} + e^{34}, e^{18} + e^{46}$	1/69(17, 47, 48, 33, 64, 65, 80, 81, 98)	{0, 12378, 12468, 134579, 1569, 2356789, 24589, 3467}	
9521:104	0, 0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{15}, e^{18} + e^{26} + e^{35}$	1/9(3, 4, 6, 7, 9, 11, 10, 13)	{0, 12468, 12678, 145679, 1569, 24589, 25789, 47}	
9521:114	0, 0, 0, 0, $e^{12}, -e^{23} + e^{14}, e^{13}, e^{34} + e^{25}, e^{46} + e^{28}$	1/119(61, 38, 80, 57, 99, 118, 141, 137, 175)	{0, 135689, 145789, 3467}	
9521:115	0, 0, 0, 0, $e^{12}(-1 + a_2), a_2e^{13}, e^{34}, e^{23} + e^{15}, e^{35} + e^{18} + e^{26}$	1/7(2, 4, 4, 5, 6, 6, 9, 8, 10)	{0, 124678, 1268, 145679, 1569, 245789, 2589, 47}	
9521:123	0, 0, 0, 0, $e^{12}, -e^{13}, e^{34}, e^{25}, e^{17} + e^{28} + e^{46}$	1/39(18, 14, 21, 21, 32, 39, 42, 46, 60)	{0, 12378, 124678, 134589, 15689, 235679, 24579, 346}	
9521:127	0, 0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{25}, e^{28} + e^{37} + e^{46}$	1/21(9, 8, 12, 12, 17, 21, 21, 25, 33)	{0, 12378, 12468, 134589, 156789, 23569, 24579, 3467}	
9521:134	0, 0, 0, 0, $e^{12}(-1 + a_2), a_2e^{13}, e^{14}, e^{15} + e^{23}, e^{18} + e^{35} + e^{26}$	1/13(4, 7, 8, 11, 11, 12, 15, 15, 19)	{0, 12468, 12678, 14569, 15679, 245789, 2589, 47}	
9521:135	0, 0, 0, 0, $e^{12}(-1 + a_2), a_2e^{13}, e^{24}, e^{23} + e^{15}, e^{35} + e^{18} + e^{26}$	1/9(3, 4, 6, 7, 7, 9, 11, 10, 13)	{0, 12468, 12678, 145679, 1569, 24589, 25789, 47}	
9521:136	0, 0, 0, 0, $e^{12}, e^{14} + e^{23}, e^{34}, e^{13} + e^{25}, e^{28} + e^{16}$	1/92(41, 31, 62, 52, 72, 93, 114, 103, 134)	{0, 1268, 145789, 245679}	
9521:139	0, 0, 0, 0, $e^{12}, e^{34}, e^{13}, e^{25} + e^{14}, e^{28} + e^{36} + e^{45}$	1/423(257, 123, 190, 246, 380, 436, 447, 503, 626)	{0, 12368, 1278, 367}	
9521:140	0, 0, 0, 0, $e^{12}, -e^{13}, e^{23}, e^{15} + e^{34}, e^{37} + e^{18} + e^{46}$	1/92(30, 52, 45, 67, 82, 75, 97, 112, 142)	{0, 235689, 245789, 3467}	
9521:141	0, 0, 0, 0, $e^{12}, e^{13}(-1 + a_2), a_2e^{14}, e^{15} + e^{34}, e^{18} + e^{46} + e^{37}$	1/8(2, 6, 5, 5, 8, 7, 7, 10, 12)	{0, 12378, 12468, 13459, 15679, 235689, 245789, 3467}	
9521:143	0, 0, 0, 0, $-e^{12}, e^{13}, e^{34}, e^{24} + e^{15}, e^{36} + e^{18} + e^{45}$	1/101(29, 62, 60, 58, 91, 89, 118, 120, 149)	{0, 13579, 1569, 367}	
9521:144	0, 0, 0, 0, $e^{12}, e^{13}, e^{34}, e^{25} + e^{14}, e^{28} + e^{45} + e^{36}$	1/49(25, 16, 24, 32, 41, 49, 56, 57, 73)	{0, 135789, 15689, 367}	
9521:151	0, 0, 0, 0, $e^{12}, -e^{13}, e^{23}, e^{15} + e^{34}, e^{25} + e^{18} + e^{46}$	2/101(15, 30, 29, 31, 45, 44, 59, 60, 75)	{0, 134579, 1569, 3467}	
9521:153	0, 0, 0, 0, $e^{12}, -e^{13}, e^{24}, e^{34} + e^{15}, e^{46} + e^{25} + e^{18}$	2/27(4, 8, 9, 7, 12, 13, 15, 16, 20)	{0, 134579, 1569, 3467}	
9521:154	0, 0, 0, 0, $e^{12}, e^{24} + e^{13}, e^{34}, e^{15}, e^{35} + e^{18} + e^{26}$	1/92(31, 41, 62, 52, 72, 93, 114, 103, 134)	{0, 1268, 145679, 245789}	
9521:155	0, 0, 0, 0, $e^{12}, -e^{13}, e^{23}, e^{34} + e^{15}, e^{18} + e^{46} + e^{27}$	4/491(43, 62, 67, 81, 105, 110, 129, 148, 191)	{0, 124678, 134579, 235689}	
9521:157	0, 0, 0, 0, $e^{12}, e^{13}, e^{23} + e^{14}, e^{15}, e^{18} + e^{37} + e^{46}$	1/92(30, 52, 45, 67, 82, 75, 97, 112, 142)	{0, 235689, 245789, 3467}	
9521:159	0, 0, 0, 0, $e^{12}, e^{13}, e^{34}, e^{15} + e^{23}, e^{18} + e^{26} + e^{47}$	5/33(2, 4, 4, 3, 6, 6, 7, 8, 10)	{0, 124678, 1268, 47}	
9521:160	0, 0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{34} + e^{25}, e^{37} + e^{28} + e^{16}$	1/441(226, 149, 221, 303, 375, 447, 452, 524, 673)	{0, 12468, 13589, 234569}	
9521:161	0, 0, 0, 0, $-e^{12}, e^{13}, e^{23}, e^{24} + e^{15}, e^{36} + e^{45} + e^{18}$	1/27(9, 14, 16, 18, 23, 25, 30, 32, 41)	{0, 13579, 1569, 367}	
9521:164	0, 0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{25} + e^{14}, e^{45} + e^{36} + e^{28}$	1/17(8, 6, 9, 12, 14, 17, 18, 20, 26)	{0, 13589, 15689, 36}	
9521:165	0, 0, 0, 0, $e^{12}, e^{13}, e^{34}, e^{14} + e^{25}, e^{28} + e^{45} + e^{16}$	1/92(41, 31, 52, 62, 72, 93, 114, 103, 134)	{0, 1268, 135789, 235679}	
9521:168	0, 0, 0, 0, $e^{12}, a_1e^{13}, e^{23} + (1 + a_1)e^{14}, e^{15} + e^{34}, e^{18} + e^{46} + e^{37}$	1/92(30, 52, 45, 67, 82, 75, 97, 112, 142)	{0, 235689, 245789, 3467}	
9521:170	0, 0, 0, 0, $-e^{12}, e^{14} + e^{23}, e^{13}, e^{25}, e^{28} + e^{35} + e^{16}$	1/221(79, 82, 164, 167, 161, 246, 243, 243, 325)	{0, 12678, 145789, 24569}	
9521:171	0, 0, 0, 0, $e^{12}, e^{14} + e^{23}, e^{13}, e^{15}, e^{26} + e^{45} + e^{18}$	1/317(116, 125, 223, 232, 241, 348, 339, 357, 473)	{0, 12678, 13569, 235789}	
9521:172	0, 0, 0, 0, $e^{12}, e^{13}, e^{23}, e^{25} + e^{14}, e^{16} + e^{28} + e^{45}$	1/317(125, 116, 223, 232, 241, 348, 339, 357, 473)	{0, 12678, 135789, 23569}	
9521:173	0, 0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{25} + e^{14}, e^{16} + e^{28} + e^{45}$	3/221(28, 27, 53, 54, 55, 81, 81, 82, 109)	{0, 12678, 13589, 235679}	
9521:174	0, 0, 0, 0, $e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{47} + e^{18} + e^{26}$	5/123(8, 14, 16, 15, 22, 24, 23, 30, 38)	{0, 14569, 15679, 47}	
9521:175	0, 0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{15} + e^{23}, e^{18} + e^{26} + e^{47}$	1/17(6, 8, 12, 9, 14, 18, 17, 20, 26)	{0, 24589, 25789, 47}	
9521:177	0, 0, 0, 0, $e^{12}, e^{13}, e^{34}, e^{15}, e^{35} + e^{47} + e^{26} + e^{18}$	5/33(2, 4, 4, 3, 6, 6, 7, 8, 10)	{0, 124678, 1268, 47}	
9521:184	0, 0, 0, 0, $e^{12}, e^{13}, e^{14} - e^{23}, e^{34} + e^{25}, e^{47} + e^{28} + e^{16}$	14/155(5, 4, 7, 6, 9, 12, 11, 13, 17)	{0, 135789}	
9521:188	0, 0, 0, 0, $e^{12}, e^{34}, e^{14} + e^{23}, e^{25} + e^{13}, e^{46} + e^{28} + e^{17}$	35/324(5, 3, 6, 4, 8, 10, 9, 11, 14)	{0, 1278}	
9521:189	0, 0, 0, 0, $e^{12}(-1 + a_2), e^{14} + e^{23}, e^{34}, a_2e^{13} + e^{25}, e^{35} + e^{28} + e^{16}$	1/92(41, 31, 62, 52, 72, 93, 114, 103, 134)	{0, 1268, 145789, 245679}	
9521:197	0, 0, 0, 0, $e^{12}, e^{13}, e^{24}, e^{15}, e^{18} + e^{26} + e^{35} + e^{47}$	1/17(6, 8, 12, 9, 14, 18, 17, 20, 26)	{0, 24589, 25789, 47}	
9521:198a	0, 0, 0, 0, $e^{12}, e^{24} + e^{13}, e^{14} + e^{23}, e^{15}, e^{18} + e^{26} + e^{35}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678, 14569, 245789}	
9521:198b	0, 0, 0, 0, $-e^{12}, -e^{13} + e^{24}, e^{14} + e^{23}, e^{15}, e^{18} + e^{26} + e^{35}$	7/19(1, 1, 2, 2, 2, 3, 3, 4)	{0, 12678, 14569, 245789}	
9521:199	0, 0, 0, 0, $a_1e^{12}, e^{23} + (1 + a_1)e^{14}, e^{13}, e^{15} + e^{24}, e^{18} + e^{26} + e^{45}$	1/317(116, 125, 223, 232, 241, 348, 339, 357, 473)	{0, 12678, 13569, 235789}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
9521:200	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{24} + e^{15}, e^{36} + e^{27} + e^{18}$	65/549(3, 4, 5, 6, 7, 8, 9, 10, 13)	{0, 13579}	
9521:201	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}, e^{18} + e^{46} + e^{27} + e^{35}$	35/324(3, 5, 6, 4, 8, 10, 9, 11, 14)	{0, 12678}	
9521:203	$0, 0, 0, 0, e^{12}(-1 + a_2), a_2 e^{13}, e^{34}, e^{23} + e^{15}, e^{18} + e^{26} + e^{47} + e^{35}$	5/33(2, 4, 4, 3, 6, 6, 7, 8, 10)	{0, 124678, 1268, 47}	
9521:204	$0, 0, 0, 0, e^{12}, e^{13}(-1 + a_2), a_2 e^{14}, e^{15} + e^{34}, e^{25} + e^{18} + e^{37} + e^{46}$	25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)	{0, 13459, 15679, 3467}	
9521:205	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{14} + e^{25}, e^{45} + e^{16} + e^{28} + e^{37}$	35/324(5, 3, 4, 6, 8, 9, 10, 11, 14)	{0, 1268}	
9521:208	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{36} + e^{27} + e^{18} + e^{45}$	65/549(3, 4, 5, 6, 7, 8, 9, 10, 13)	{0, 13579}	
9521:210	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{25} + e^{14}, e^{16} + e^{28} + e^{37} + e^{45}$	65/549(4, 3, 5, 6, 7, 9, 8, 10, 13)	{0, 23569}	
9521:211	$0, 0, 0, 0, e^{12}(-1 + a_2), a_2 e^{13}, e^{14}, e^{15} + e^{23}, e^{18} + e^{26} + e^{35} + e^{47}$	5/123(8, 14, 16, 15, 22, 24, 23, 30, 38)	{0, 14569, 15679, 47}	
9521:212	$0, 0, 0, 0, a_1 e^{12}, (1 + a_1) e^{13}, e^{24}, e^{15} + e^{23}, e^{18} + e^{26} + e^{35} + e^{47}$	1/17(6, 8, 12, 9, 14, 18, 17, 20, 26)	{0, 24589, 25789, 47}	
9521:215	$0, 0, 0, 0, e^{12}(-1 + a_2), e^{34}, e^{14} + e^{23}, a_2 e^{13} + e^{25}, e^{17} + e^{46} + e^{35} + e^{28}$	35/324(5, 3, 6, 4, 8, 10, 9, 11, 14)	{0, 1278}	
9521:218	$0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{23} + (1 + a_1) e^{14}, e^{24} + e^{15}, e^{36} + e^{45} + e^{27} + e^{18}$	65/549(3, 4, 5, 6, 7, 8, 9, 10, 13)	{0, 13579}	
9521:254	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, -2e^{17} + e^{26} + e^{35}, e^{56} + e^{18}$	1/72(14, 39, 39, 64, 53, 53, 78, 92, 106)	{0, 12348, 12679, 13579, 14568, 2356, 245789, 346789}	
964:3	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{15}, e^{34} + e^{25}$	1/179(55, 80, 104, 135, 159, 190, 215, 214, 239)	{0, 1236789, 12567, 13478, 14579, 234568, 2469, 3589}	
964:4	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{35}, e^{25} + e^{34}$	1/109(41, 45, 48, 86, 89, 127, 131, 137, 134)	{0, 1236789, 125678, 13478, 145789, 23456, 2469, 359}	
964:8a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{34}, e^{35} + e^{24}$	1/41(13, 20, 20, 33, 33, 46, 46, 53, 53)	{0, 1236789, 12569, 13479, 14589, 234567, 2468, 3578}	✓
964:8b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, e^{15}, -e^{25} + e^{34}, e^{24} + e^{35}$	1/41(13, 20, 20, 33, 33, 46, 46, 53, 53)	{0, 1236789, 12569, 13479, 14589, 234567, 2468, 3578}	✓
953:28	$0, 0, 0, 0, e^{12} a_1, e^{13}, e^{25}, e^{15} + e^{24}, e^{34} + e^{16}$	1/11(4, 5, 7, 8, 9, 11, 14, 13, 15)	{0, 123789, 12678, 13579, 1567, 235689, 258, 369}	✓
953:59	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{25} + e^{14}, e^{26} + e^{35}$	1/61(21, 27, 38, 54, 48, 59, 69, 75, 86)	{0, 123789, 12678, 1358, 15689, 23567, 2579, 369}	
953:60	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{15} + e^{24}, e^{26} + e^{35}$	3/61(9, 7, 12, 18, 16, 21, 23, 25, 28)	{0, 123789, 12678, 1357, 15679, 23568, 2589, 369}	
953:61	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{34} + e^{25}, e^{35} + e^{26}$	2/31(6, 7, 8, 12, 13, 14, 19, 20, 21)	{0, 123789, 124678, 1358, 145689, 234567, 2579, 3469}	
953:62	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{15}, e^{35} + e^{26}$	1/106(50, 38, 53, 85, 88, 103, 126, 138, 141)	{0, 123789, 124678, 13457, 15679, 23568, 24589, 3469}	
953:67	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36}, e^{14} + e^{26} + e^{35}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 124678, 134578, 156789, 2356, 2459, 3469}	
953:69	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{16} + e^{24}, e^{26} + e^{35}$	1/100(35, 46, 58, 82, 81, 93, 116, 128, 139)	{0, 123789, 12467, 13458, 1569, 235678, 24579, 34689}	
953:71	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{16} + e^{24}, e^{26} + e^{35}$	1/106(40, 43, 58, 95, 83, 98, 126, 138, 141)	{0, 123789, 12467, 134578, 15679, 23568, 2459, 34689}	
953:75	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{14} + e^{36}, e^{26} + e^{35}$	1/179(57, 101, 84, 168, 158, 141, 215, 225, 242)	{0, 123789, 12678, 1358, 15689, 23567, 2579, 369}	
953:77	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{24} + e^{36}, e^{35} + e^{26}$	1/225(84, 106, 107, 192, 190, 191, 274, 298, 297)	{0, 123789, 12678, 13458, 145689, 234567, 24579, 369}	
953:79	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{14}, e^{35} + e^{26}$	1/25(11, 10, 11, 22, 21, 22, 31, 33, 32)	{0, 123789, 12678, 13578, 156789, 2356, 259, 369}	
953:80	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{34} + e^{16}, e^{26} + e^{35}$	1/69(29, 28, 33, 58, 57, 62, 85, 91, 90)	{0, 123789, 1267, 13578, 15679, 23568, 259, 3689}	
953:81	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{36} + e^{24}, e^{35} + e^{26}$	1/31(16, 11, 12, 29, 27, 28, 38, 40, 39)	{0, 123789, 12678, 134578, 1456789, 23456, 2459, 369}	
953:101a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{25} + e^{14}, e^{26} + e^{35}$	1/5(2, 2, 3, 4, 4, 5, 6, 6, 7)	{0, 123789, 12678, 1358, 15689, 23567, 2579, 369}	
953:101b	$0, 0, 0, 0, e^{12}, e^{13}, -e^{15} + e^{24}, e^{25} + e^{14}, e^{26} + e^{35}$	1/5(2, 2, 3, 4, 4, 5, 6, 6, 7)	{0, 123789, 12678, 1358, 15689, 23567, 2579, 369}	
953:102	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{34} + e^{15}, e^{26} + e^{35}$	1/377(169, 145, 193, 290, 314, 362, 459, 483, 507)	{0, 123789, 15679, 23568}	
953:112	$0, 0, 0, 0, e^{12} a_1, e^{13}, e^{25}, e^{34} + e^{16}, e^{15} + e^{36} + e^{24}$	1/67(28, 30, 29, 56, 58, 57, 88, 85, 86)	{0, 123789, 12679, 368}	
953:116	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{16} + e^{24}, e^{26} + e^{35}$	1/377(137, 161, 209, 322, 298, 346, 459, 483, 507)	{0, 123789, 15679, 23568}	
953:118a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} a_1 + e^{24}, e^{34} + e^{16}, e^{25} + e^{36}$	1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)	{0, 123789, 12679, 13589, 1569, 235678, 257, 368}	
953:118b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} a_1 + e^{24}, e^{16} + e^{34}, e^{36} + e^{25}$	1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)	{0, 123789, 12679, 13589, 1569, 235678, 257, 368}	
953:119a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{15}, e^{36} + e^{14}, e^{26} + e^{35}$	2/29(6, 7, 6, 12, 13, 12, 19, 18, 19)	{0, 123789, 12678, 1358, 15689, 23567, 2579, 369}	✓
953:119b	$0, 0, 0, 0, e^{12}, e^{13}, -e^{15} + e^{24}, e^{14} + e^{36}, e^{26} + e^{35}$	2/29(6, 7, 6, 12, 13, 12, 19, 18, 19)	{0, 123789, 12678, 1358, 15689, 23567, 2579, 369}	✓
953:120	$0, 0, 0, 0, e^{12}, e^{13}, a_2 e^{15} + e^{24}, e^{16} + e^{34}, e^{26} + e^{35}$	1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)	{0, 123789, 1267, 1358, 1569, 235678, 2579, 3689}	
953:121	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{36} + e^{24}, e^{26} + e^{35}$	1/187(85, 79, 76, 158, 164, 161, 243, 237, 240)	{0, 123789, 12678, 369}	
953:122a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} a_1 + e^{34}, e^{16} + e^{24}, e^{36} + e^{25}$	1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)	{0, 123789, 124679, 134589, 1569, 235678, 2457, 3468}	
953:122b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} a_1 + e^{34}, e^{16} + e^{24}, e^{36} + e^{25}$	1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)	{0, 123789, 124679, 134589, 1569, 235678, 2457, 3468}	
953:123a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{15}, e^{24} + e^{16}, e^{35} + e^{26}$	1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)	{0, 123789, 12467, 13458, 1569, 235678, 24579, 34689}	✓
953:123b	$0, 0, 0, 0, e^{12}, e^{13}, -e^{15} + e^{34}, e^{24} + e^{16}, e^{35} + e^{26}$	1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)	{0, 123789, 12467, 13458, 1569, 235678, 24579, 34689}	✓
953:125	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, e^{24} + e^{16}, e^{26} + e^{35}$	1/425(167, 191, 203, 346, 358, 370, 549, 537, 561)	{0, 123789, 12467, 34689}	
953:126	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{36} + e^{24}, e^{35} + e^{26}$	1/19(10, 7, 7, 17, 17, 17, 24, 24, 24)	{0, 123789, 1456789, 23456}	
953:145a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{36} + e^{25}, e^{14} + e^{26} + e^{35}$	1/89(31, 43, 43, 86, 74, 74, 105, 117, 117)	{0, 123789, 124678, 13458, 15689, 23567, 24579, 3469}	✓

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
953:145b	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, -e^{25} + e^{36}, e^{14} + e^{26} + e^{35}$	1/89(31, 43, 43, 86, 74, 74, 105, 117, 117)	{0, 123789, 124678, 13458, 15689, 23567, 24579, 3469}	✓
953:146a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15}, e^{35} + e^{26}, e^{25} + e^{36} + e^{14}$	1/89(31, 43, 43, 86, 74, 74, 105, 117, 117)	{0, 123789, 12679, 1359, 15689, 23567, 2578, 368}	✓
953:146b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15}, e^{35} - e^{26}, e^{36} + e^{14} + e^{25}$	1/89(31, 43, 43, 86, 74, 74, 105, 117, 117)	{0, 123789, 12679, 1359, 15689, 23567, 2578, 368}	✓
953:149	$0, 0, 0, 0, e^{12}, e^{13}, e^{25}, e^{26} + e^{35}, e^{15} + e^{36} + e^{24}$	1/19(9, 7, 8, 18, 16, 17, 23, 24, 25)	{0, 123789, 12679, 368}	
953:151	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{15} + e^{36}, e^{26} + e^{35}$	1/187(77, 83, 80, 166, 160, 157, 243, 237, 240)	{0, 123789, 12678, 369}	
953:152a	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{24}, e^{35} + e^{26}, e^{36} + e^{25}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 12679, 1359, 15689, 23567, 2578, 368}	✓
953:152b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{15}, e^{35} - e^{26}, e^{25} + e^{36}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 12679, 1359, 15689, 23567, 2578, 368}	✓
953:153	$0, 0, 0, 0, e^{12}, e^{13}, e^{15} + e^{34}, e^{16} + e^{25}, e^{35} + e^{26}$	1/425(175, 187, 199, 338, 362, 374, 537, 549, 561)	{0, 123789, 13458, 24579}	
953:154a	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{15}, e^{26} + e^{35}, e^{36} + e^{25}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 124679, 13459, 15689, 23567, 24578, 3468}	✓
953:154b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{34}, -e^{26} + e^{35}, e^{25} + e^{36}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 124679, 13459, 15689, 23567, 24578, 3468}	✓
953:155	$0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{25}, e^{36} + e^{15}, e^{26} + e^{35}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 124678, 3469}	
953:177a	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{26} + e^{35}, e^{15} + e^{24} + e^{36}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 12679, 368}	
953:177b	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} - e^{14}, e^{35} + e^{26}, e^{24} + e^{36} + e^{15}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 12679, 368}	
953:179	$0, 0, 0, 0, e^{12}, e^{13}, a_2 e^{15} + e^{24}, e^{26} + e^{35}, e^{16} + e^{25} + e^{34}$	2/31(6, 7, 8, 12, 13, 14, 19, 21, 20)	{0, 123789, 1359, 2578}	
953:183	$0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{34}, a_2 e^{15} + e^{36}, e^{14} + e^{26} + e^{35}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789, 124678, 3469}	
953:195	$0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{35}, a_2 e^{16} + e^{34} + e^{25}, e^{15} + e^{36} + e^{24}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789}	
953:196	$0, 0, 0, 0, e^{12}, e^{13}, a_2 e^{16} + e^{25} + e^{34}, e^{26} + e^{35} + a_3 e^{14}, e^{15} + e^{36} + e^{24}$	3/7(1, 1, 1, 2, 2, 2, 3, 3, 3)	{0, 123789}	
953:202	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{25}, e^{16} + e^{35}$	1/179(55, 80, 119, 144, 135, 199, 190, 215, 254)	{0, 1234789, 12678, 13568, 14589, 2357, 245679, 3469}	
953:214	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15}, e^{13} + e^{25}, e^{45} + e^{26}$	1/178(73, 64, 128, 119, 137, 192, 210, 201, 256)	{0, 12678, 1458, 24567}	
953:215	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{15}, e^{25} + e^{34}, e^{35} + e^{16}$	1/41(13, 20, 23, 30, 33, 43, 46, 53, 56)	{0, 13568, 14589, 3469}	
953:217	$0, 0, 0, 0, -e^{12}, e^{23} - e^{14}, e^{15}, e^{16} + e^{35}, e^{26} + e^{45}$	1/31(11, 12, 19, 20, 23, 31, 34, 42, 43)	{0, 1234789, 1267, 13569, 1458, 23579, 245678, 34689}	
953:229	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{25}, e^{34} + e^{15}, e^{45} + e^{26}$	67/581(4, 3, 6, 5, 7, 9, 10, 11, 12)	{0, 24568}	
953:233	$0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{34} + e^{15}, e^{35} + e^{16}, e^{45} + e^{26}$	1/329(124, 133, 186, 195, 257, 319, 381, 443, 452)	{0, 23579, 245678, 34689}	
953:241a	$0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{16} + e^{25}, e^{15} + e^{26}, e^{35} + e^{46}$	1/33(13, 13, 16, 16, 29, 29, 42, 42, 45)	{0, 1234789, 12569, 1357, 1468, 23679, 24589, 345678}	
953:241b	$0, 0, 0, 0, -e^{14} - e^{23}, -e^{13} + e^{24}, e^{25} - e^{16}, e^{26} + e^{15}, e^{46} + e^{35}$	1/33(13, 13, 16, 16, 29, 29, 42, 42, 45)	{0, 1234789, 12569, 1357, 1468, 23679, 24589, 345678}	
952:83	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{35} + e^{26}$	1/13(4, 7, 8, 11, 11, 12, 15, 15, 19)	{0, 123489, 123789, 12468, 12678, 1345, 1357, 14569, 15679, 2345678, 23568, 245789, 2589, 34679, 369, 47}	
952:85	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{35} + e^{26}$	1/5(2, 2, 3, 4, 4, 5, 6, 6, 7)	{0, 123489, 123789, 12468, 12678, 13458, 13578, 145689, 156789, 234567, 2356, 24579, 259, 34679, 369, 47}	
952:87	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{26} + e^{35}$	1/5(2, 2, 3, 4, 4, 5, 6, 6, 7)	{0, 123489, 123789, 12468, 12678, 13457, 135, 145679, 1569, 234568, 235678, 24589, 25789, 34679, 369, 47}	
952:89	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25}, e^{26} + e^{35}$	1/13(7, 4, 7, 11, 11, 14, 15, 15, 18)	{0, 123489, 123789, 12468, 12678, 134578, 1358, 1456789, 15689, 23456, 23567, 2459, 2579, 34679, 369, 47}	
952:92	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{26} + e^{35}$	1/8(3, 4, 4, 6, 7, 7, 10, 10, 11)	{0, 123489, 123789, 124678, 1268, 1345, 1357, 145679, 1569, 234568, 235678, 245789, 2589, 3469, 3679, 47}	
952:94	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{26} + e^{35}$	1/9(5, 3, 4, 7, 8, 9, 11, 11, 12)	{0, 123489, 123789, 124678, 1268, 13458, 13578, 1456789, 15689, 23456, 23567, 24579, 259, 3469, 3679, 47}	
952:110	$0, 0, 0, 0, e^{12} a_1, e^{13}, e^{23}, e^{15} + e^{24}, e^{34} + e^{16}$	1/19(7, 11, 11, 14, 18, 18, 22, 25, 25)	{0, 12389, 12678, 13579, 156, 235689, 2578, 3679}	
952:140	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{24}, e^{26} + e^{35}$	1/61(23, 29, 36, 46, 52, 59, 69, 75, 88)	{0, 123789, 12678, 1357, 15679, 23568, 2589, 369}	
952:142	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{14}, e^{26} + e^{35}$	1/61(29, 23, 34, 46, 52, 63, 69, 75, 86)	{0, 123789, 12678, 1358, 15689, 23567, 2579, 369}	
952:146	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{35} + e^{26}$	1/51(19, 27, 27, 38, 46, 46, 57, 65, 73)	{0, 123789, 12468, 1345, 15679, 23568, 245789, 34679}	
952:148	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{34}, e^{35} + e^{26}$	1/41(18, 17, 22, 30, 35, 40, 48, 52, 57)	{0, 123789, 12468, 13578, 145689, 234567, 259, 34679}	
952:150	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34} + e^{15}, e^{26} + e^{35}$	1/100(43, 42, 54, 74, 85, 97, 116, 128, 139)	{0, 123789, 12468, 13457, 1569, 235678, 24589, 34679}	
952:152	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{25} + e^{34}, e^{26} + e^{35}$	1/61(34, 21, 29, 47, 55, 63, 68, 76, 84)	{0, 123789, 12468, 1358, 1456789, 23456, 2579, 34679}	
952:156	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25} + e^{14}, e^{26} + e^{35}$	1/179(93, 66, 83, 132, 159, 176, 215, 225, 242)	{0, 123789, 1268, 13578, 15689, 23567, 259, 3679}	
952:190	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{16}, e^{35} + e^{26}$	1/41(14, 19, 24, 34, 33, 38, 48, 52, 57)	{0, 123489, 123789, 13458, 13578, 24579, 259, 47}	
952:192	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{16} + e^{25}, e^{35} + e^{26}$	2/31(6, 7, 8, 12, 13, 14, 19, 20, 21)	{0, 123489, 123789, 134578, 1358, 2459, 2579, 47}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
952:193a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{36} + e^{25}$	$1/15(6, 7, 7, 12, 13, 13, 18, 20, 20)$	$\{\emptyset, 123489, 123789, 12469, 12679, 13459, 13579, 145689, 156789, 234567, 2356, 24578, 258, 34678, 368, 47\}$	✓
952:193b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, -e^{26} + e^{35}, e^{25} + e^{36}$	$1/15(6, 7, 7, 12, 13, 13, 18, 20, 20)$	$\{\emptyset, 123489, 123789, 12469, 12679, 13459, 13579, 145689, 156789, 234567, 2356, 24578, 258, 34678, 368, 47\}$	✓
952:194	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{15}, e^{26} + e^{35}$	$1/225(100, 98, 99, 176, 198, 199, 274, 298, 297)$	$\{\emptyset, 123489, 123789, 12468, 12678, 34679, 369, 47\}$	
952:195a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{35}, e^{25} + e^{36}$	$1/53(29, 20, 20, 43, 49, 49, 63, 69, 69)$	$\{\emptyset, 123489, 123789, 12469, 12679, 134579, 1359, 1456789, 15689, 23456, 23567, 2458, 2578, 34678, 368, 47\}$	✓
952:195b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, -e^{26} + e^{35}, e^{36} + e^{25}$	$1/53(29, 20, 20, 43, 49, 49, 63, 69, 69)$	$\{\emptyset, 123489, 123789, 12469, 12679, 134579, 1359, 1456789, 15689, 23456, 23567, 2458, 2578, 34678, 368, 47\}$	✓
952:206	$0, 0, 0, 0, e^{12}a_1, e^{13}, e^{14}, e^{24} + e^{15}, e^{25} + e^{34} + e^{16}$	$3/17(2, 3, 4, 4, 5, 6, 6, 7, 8)$	$\{\emptyset, 123789, 13579, 258\}$	
952:217	$0, 0, 0, 0, e^{12}a_1, e^{13}, e^{23}, e^{15} + e^{24}, e^{16} + e^{34} + e^{25}$	$1/26(10, 13, 16, 20, 23, 26, 29, 33, 36)$	$\{\emptyset, 12389, 13579, 2578\}$	✓
952:233	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{24} + e^{36} + e^{15}$	$1/13(5, 7, 6, 10, 12, 11, 15, 18, 17)$	$\{\emptyset, 123789, 12679, 368\}$	
952:236a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{25}, e^{14} + e^{26} + e^{35}$	$1/89(47, 35, 35, 70, 82, 82, 105, 117, 117)$	$\{\emptyset, 123789, 12468, 134578, 15689, 23567, 2459, 34679\}$	✓
952:236b	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, -e^{25} + e^{36}, e^{26} + e^{35} + e^{14}$	$1/89(47, 35, 35, 70, 82, 82, 105, 117, 117)$	$\{\emptyset, 123789, 12468, 134578, 15689, 23567, 2459, 34679\}$	✓
952:237a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{35}, e^{14} + e^{36} + e^{25}$	$1/89(47, 35, 35, 70, 82, 82, 105, 117, 117)$	$\{\emptyset, 123789, 12679, 1359, 15689, 23567, 2578, 368\}$	✓
952:237b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, -e^{26} + e^{35}, e^{25} + e^{14} + e^{36}$	$1/89(47, 35, 35, 70, 82, 82, 105, 117, 117)$	$\{\emptyset, 123789, 12679, 1359, 15689, 23567, 2578, 368\}$	✓
952:239	$0, 0, 0, 0, e^{12}a_1, e^{13}, e^{23} + e^{14}, e^{24} + e^{15}, e^{16} + e^{25} + e^{34}$	$21/167(3, 4, 5, 6, 7, 8, 9, 10, 11)$	$\{\emptyset, 13579\}$	
952:260	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}, e^{17} + e^{26} + e^{34}$	$1/16(6, 8, 9, 14, 14, 15, 17, 20, 23)$	$\{\emptyset, 12389, 12678, 13457, 14569, 234568, 245789, 3679\}$	
952:266	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15} + e^{34}, e^{17} + e^{26}$	$1/12(5, 6, 6, 10, 11, 11, 12, 16, 17)$	$\{\emptyset, 12389, 124678, 13457, 1569, 23568, 245789, 34679\}$	
952:279a	$0, 0, 0, 0, e^{12}a_1, e^{13}, e^{23}, e^{14} + e^{25}, e^{27} + e^{16} + e^{34}$	$1/7(3, 3, 4, 6, 6, 7, 7, 9, 10)$	$\{\emptyset, 12389, 12678, 135789, 1568, 23569, 257, 3679\}$	
952:279b	$0, 0, 0, 0, e^{12}a_1, -e^{13}, e^{23}, e^{25} + e^{14}, e^{34} + e^{27} + e^{16}$	$1/7(3, 3, 4, 6, 6, 7, 7, 9, 10)$	$\{\emptyset, 12389, 12678, 135789, 1568, 23569, 257, 3679\}$	
952:284	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{23}, e^{25} + e^{14}, e^{17} + e^{26} + e^{35}$	$1/7(3, 3, 4, 6, 6, 7, 7, 9, 10)$	$\{\emptyset, 12389, 12678, 13578, 15689, 2356, 2579, 3679\}$	
952:286	$0, 0, 0, 0, e^{12}a_1, (1 + a_1)e^{13}, e^{23}, e^{15} + e^{34}, e^{17} + e^{26} + e^{35}$	$1/12(5, 6, 6, 10, 11, 11, 12, 16, 17)$	$\{\emptyset, 12389, 124678, 13457, 1569, 23568, 245789, 34679\}$	
952:289	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{16} + e^{25}, e^{17} + e^{24} + e^{35}$	$1/88(34, 41, 48, 82, 75, 82, 89, 116, 123)$	$\{\emptyset, 12389, 13578, 2579\}$	
952:290	$0, 0, 0, 0, e^{12}, e^{13}a_1, e^{23}, e^{15} + e^{36}, e^{25} + e^{14} + e^{37}$	$1/59(26, 28, 27, 56, 54, 53, 55, 80, 82)$	$\{\emptyset, 12389, 126789, 367\}$	
952:291	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{36} + e^{15}, e^{35} + e^{24} + e^{17}$	$1/197(81, 103, 92, 173, 184, 173, 195, 265, 276)$	$\{\emptyset, 12389, 124678, 34679\}$	
952:294a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23}, e^{36} + e^{25}, e^{35} + e^{24} + e^{17}$	$1/53(25, 24, 24, 49, 49, 49, 48, 73, 73)$	$\{\emptyset, 12389, 124678, 13578, 145689, 23456, 2579, 34679\}$	
952:294b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{36} + e^{25}, e^{24} + e^{35} + e^{17}$	$1/53(25, 24, 24, 49, 49, 49, 48, 73, 73)$	$\{\emptyset, 12389, 124678, 13578, 145689, 23456, 2579, 34679\}$	
952:295	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{35} + e^{26}, e^{37} + e^{25} + e^{14}$	$1/71(35, 31, 33, 62, 66, 68, 64, 99, 97)$	$\{\emptyset, 12389, 12679, 3678\}$	
952:296a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{26} + e^{35}, e^{15} + e^{37} + e^{24}$	$1/32(15, 14, 15, 30, 29, 30, 29, 44, 44)$	$\{\emptyset, 12389, 12679, 1357, 1568, 23569, 25789, 3678\}$	
952:296b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{26} + e^{35}, e^{15} + e^{37} + e^{24}$	$1/32(15, 14, 15, 30, 29, 30, 29, 44, 44)$	$\{\emptyset, 12389, 12679, 1357, 1568, 23569, 25789, 3678\}$	
952:297	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{26} + e^{35}, e^{15} + e^{34} + e^{27}$	$1/71(33, 31, 35, 62, 64, 68, 66, 99, 97)$	$\{\emptyset, 12389, 1568, 23569\}$	
952:302a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{15}a_1 + e^{36} + e^{24}, e^{37} + e^{25} + e^{14}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 126789, 367\}$	✓
952:302b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{15}a_1 + e^{24} + e^{36}, e^{25} + e^{37} + e^{14}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 126789, 367\}$	✓
952:303a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}a_1 + e^{36} + e^{25}, e^{24} + e^{37} + e^{15}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 126789, 13578, 1568, 23569, 2579, 367\}$	✓
952:303b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23}, e^{14}a_1 + e^{36} + e^{25}, e^{24} + e^{37} + e^{15}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 126789, 13578, 1568, 23569, 2579, 367\}$	✓
952:303c	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{14}a_1 + e^{25} + e^{36}, e^{37} + e^{15} + e^{24}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 126789, 13578, 1568, 23569, 2579, 367\}$	✓
952:304a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{26} + e^{35} + e^{14}, e^{37} + e^{24} + e^{15}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 1568, 23569\}$	
952:304b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{23}, e^{26} + e^{35} + e^{14}, e^{15} + e^{37} + e^{24}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 1568, 23569\}$	
952:305a	$0, 0, 0, 0, e^{12}, e^{13}a_1, e^{23}, e^{16} + e^{25} + e^{34}, e^{15} + e^{24} + e^{37}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 13578, 2579\}$	
952:305b	$0, 0, 0, 0, -e^{12}, e^{13}a_1, e^{23}, e^{34} + e^{25} + e^{16}, e^{37} + e^{15} + e^{24}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389, 13578, 2579\}$	
952:307	$0, 0, 0, 0, e^{12}, e^{13}a_1, e^{23}, e^{24} + e^{36} + e^{15}, e^{25} + e^{37} + e^{16}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389\}$	
952:308	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{35} + e^{14} + e^{26}, e^{37} + e^{25} + e^{16}$	$17/37(1, 1, 1, 2, 2, 2, 2, 3, 3)$	$\{\emptyset, 12389\}$	
952:309a	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{23}, e^{14} + e^{36} + e^{25}, e^{26} + e^{35} + e^{17}$	$1/32(14, 15, 15, 30, 29, 29, 30, 44, 44)$	$\{\emptyset, 12389, 12678, 13578, 15689, 2356, 2579, 3679\}$	
952:309b	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{23}, -e^{25} + e^{36} + e^{14}, e^{17} + e^{26} + e^{35}$	$1/32(14, 15, 15, 30, 29, 29, 30, 44, 44)$	$\{\emptyset, 12389, 12678, 13578, 15689, 2356, 2579, 3679\}$	
952:310	$0, 0, 0, 0, e^{12}a_1, (1 + a_1)e^{13}, e^{23}, e^{15} + e^{24} + e^{36}, e^{17} + e^{26} + e^{35}$	$1/71(31, 35, 33, 62, 66, 64, 68, 97, 99)$	$\{\emptyset, 12389, 12678, 3679\}$	
952:334	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13}, e^{15}, e^{45} + e^{26}$	$1/106(43, 40, 74, 71, 83, 114, 117, 126, 154)$	$\{\emptyset, 123489, 12678, 13569, 1457, 235789, 24568, 34679\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
952:335	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13}, e^{25}, e^{45} + e^{26}$	1/100(46, 35, 72, 61, 81, 107, 118, 116, 142)	$\{0, 123489, 12678, 135689, 14578, 23579, 2456, 34679\}$	
952:336	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34}, e^{15}, e^{16} + e^{35}$	1/179(55, 104, 83, 132, 159, 187, 215, 214, 242)	$\{0, 123489, 1268, 13567, 14579, 23578, 2456789, 3469\}$	
952:337	$0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34}, e^{15}, e^{26} + e^{35}$	1/109(48, 41, 62, 69, 89, 110, 131, 137, 151)	$\{0, 123489, 1268, 1357, 145679, 235678, 245789, 3469\}$	
952:365	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13}, e^{15} + e^{34}, e^{26} + e^{45}$	1/23(10, 9, 15, 14, 19, 24, 25, 29, 33)	$\{0, 235789, 24568, 34679\}$	
952:366	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13}, e^{34} + e^{25}, e^{26} + e^{45}$	1/401(195, 148, 269, 222, 343, 417, 464, 491, 565)	$\{0, 135689, 14578, 34679\}$	
952:370	$0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{34}, e^{23} + e^{15}, e^{16} + e^{45}$	1/160(55, 87, 110, 78, 142, 165, 188, 197, 220)	$\{0, 1268, 14567, 24578\}$	
952:374	$0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{34}, e^{35} + e^{16}, e^{45} + e^{26}$	1/55(23, 30, 30, 30, 46, 53, 60, 76, 76)	$\{0, 123489, 126, 135679, 14578, 23579, 245678, 34689\}$	
952:387a	$0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{12}, e^{45} + e^{36}, e^{46} + e^{35}$	4/21(3, 3, 2, 2, 5, 5, 6, 7, 7)	$\{0, 123489, 125689, 13578, 14678, 23679, 24579, 3456\}$	
952:387b	$0, 0, 0, 0, e^{14} - e^{23}, e^{13} + e^{24}, e^{12}, e^{45} - e^{36}, e^{46} + e^{35}$	4/21(3, 3, 2, 2, 5, 5, 6, 7, 7)	$\{0, 123489, 125689, 13578, 14678, 23679, 24579, 3456\}$	
952:409	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{46} + e^{37}$	1/8(2, 6, 5, 5, 8, 7, 7, 10, 12)	$\{0, 123489, 12378, 12468, 126789, 13459, 1357, 1456, 15679, 2345678, 235689, 245789, 258, 3467, 369, 479\}$	
952:411	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{37} + e^{46}$	1/60(24, 28, 33, 33, 52, 57, 57, 80, 90)	$\{0, 123489, 12378, 12468, 126789, 134589, 13578, 14568, 156789, 234567, 23569, 24579, 25, 3467, 369, 479\}$	
952:414	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{15}, e^{17} + e^{46}$	1/8(2, 6, 5, 4, 8, 7, 9, 10, 11)	$\{0, 123489, 12378, 124678, 12689, 13459, 1357, 14567, 1569, 234568, 2356789, 245789, 258, 346, 3679, 479\}$	
952:416	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{25}, e^{17} + e^{46}$	1/60(24, 28, 33, 30, 52, 57, 63, 80, 87)	$\{0, 123489, 12378, 124678, 12689, 134589, 13578, 145678, 15689, 23456, 235679, 24579, 25, 346, 3679, 479\}$	
952:421	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{46} + e^{37}$	1/28(10, 16, 13, 19, 26, 23, 29, 36, 42)	$\{0, 123489, 126789, 1357, 1456, 235689, 245789, 3467\}$	
952:422	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25}, e^{46} + e^{37}$	1/124(52, 56, 65, 69, 108, 117, 121, 164, 186)	$\{0, 123489, 126789, 13578, 14568, 23569, 24579, 3467\}$	
952:423	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{15}, e^{16} + e^{37}$	1/109(34, 69, 41, 76, 103, 117, 110, 137, 151)	$\{0, 123489, 12789, 13567, 1456, 235689, 2456789, 347\}$	
952:424	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}, e^{37} + e^{26}$	1/233(108, 94, 115, 129, 202, 244, 223, 310, 338)	$\{0, 123489, 12789, 13569, 145679, 235678, 24568, 347\}$	
952:437	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{46} + e^{37}$	1/31(9, 22, 18, 19, 31, 27, 28, 40, 46)	$\{0, 12468, 126789, 1456, 15679, 245789, 258, 479\}$	
952:446	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{15} + e^{23}, e^{17} + e^{46}$	1/31(9, 22, 18, 16, 31, 27, 34, 40, 43)	$\{0, 124678, 12689, 14567, 1569, 245789, 258, 479\}$	
952:468	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{17} + e^{35} + e^{26}$	1/9(3, 4, 6, 7, 7, 9, 10, 11, 13)	$\{0, 123489, 12678, 13578, 145689, 2356, 24579, 34679\}$	
952:472	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{26} + e^{47} + e^{35}$	1/225(66, 133, 153, 143, 199, 219, 209, 265, 352)	$\{0, 123489, 123789, 14569, 15679, 2345678, 23568, 47\}$	
952:473	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15}, e^{25} + e^{37} + e^{46}$	1/25(7, 16, 16, 16, 23, 23, 23, 30, 39)	$\{0, 123489, 126789, 13459, 15679, 2345678, 258, 3467\}$	
952:476	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25}, e^{26} + e^{35} + e^{47}$	1/40(16, 17, 27, 22, 33, 43, 38, 50, 60)	$\{0, 123489, 123789, 145689, 156789, 234567, 2356, 47\}$	
952:477	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{15}, e^{36} + e^{45} + e^{17}$	1/109(36, 59, 63, 67, 95, 99, 126, 131, 162)	$\{0, 123489, 124689, 1359, 1569, 234568, 2458, 36\}$	
952:479	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15}, e^{35} + e^{47} + e^{26}$	1/49(19, 22, 33, 26, 41, 52, 48, 60, 74)	$\{0, 123489, 123789, 13457, 135, 24589, 25789, 47\}$	
952:481	$0, 0, 0, 0, e^{12}, -e^{13}, e^{34}, e^{15}, e^{46} + e^{25} + e^{17}$	1/109(34, 63, 67, 59, 97, 101, 126, 131, 160)	$\{0, 123489, 12689, 13459, 1569, 234568, 258, 346\}$	
952:483	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{15}, e^{26} + e^{47} + e^{35}$	2/39(7, 11, 11, 9, 18, 18, 20, 25, 29)	$\{0, 123489, 123789, 124678, 1268, 3469, 3679, 47\}$	
952:485	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{25}, e^{26} + e^{47} + e^{35}$	2/39(11, 7, 10, 9, 18, 21, 19, 25, 28)	$\{0, 123489, 123789, 124678, 1268, 3469, 3679, 47\}$	
952:488	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{17} + e^{25}$	1/25(7, 13, 16, 19, 20, 23, 26, 36, 33)	$\{0, 123489, 12469, 13459, 145689, 2356, 258, 368\}$	
952:490	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{35}, e^{15} + e^{27}$	1/25(13, 7, 14, 19, 20, 27, 26, 34, 33)	$\{0, 123489, 12469, 135, 1568, 234569, 24589, 368\}$	
952:494	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{35} + e^{26}, e^{37} + e^{15}$	1/28(13, 14, 10, 20, 27, 23, 30, 37, 40)	$\{0, 123489, 124679, 1357, 1568, 234569, 245789, 3678\}$	
952:495	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{35} + e^{26}, e^{25} + e^{37}$	1/109(67, 41, 34, 81, 108, 101, 115, 142, 149)	$\{0, 123489, 124679, 13459, 1456789, 23567, 258, 3678\}$	
952:497	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{36} + e^{15}, e^{45} + e^{27}$	1/233(92, 128, 110, 129, 220, 202, 221, 312, 349)	$\{0, 123489, 12378, 124689, 12678, 34679, 36, 479\}$	
952:498a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{25} + e^{47}$	1/65(26, 32, 37, 32, 58, 63, 58, 95, 90)	$\{0, 123489, 123789, 12469, 12679, 13459, 13579, 145689, 156789, 234567, 2356, 24578, 258, 34678, 368, 47\}$	
952:498b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{35} + e^{26}, e^{47} + e^{25}$	1/65(26, 32, 37, 32, 58, 63, 58, 95, 90)	$\{0, 123489, 123789, 12469, 12679, 13459, 13579, 145689, 156789, 234567, 2356, 24578, 258, 34678, 368, 47\}$	
952:499	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{27} + e^{45}$	1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)	$\{0, 123489, 12378, 12469, 1267, 1345, 13579, 14568, 156789, 234567, 23569, 24578, 2589, 346789, 368, 479\}$	
952:500	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{15} + e^{36}, e^{17} + e^{45}$	1/233(92, 128, 110, 117, 220, 202, 245, 312, 337)	$\{0, 123489, 12378, 124689, 12678, 34679, 36, 479\}$	
952:503a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{26} + e^{35}, e^{47} + e^{15}$	1/65(32, 26, 35, 32, 58, 67, 58, 93, 90)	$\{0, 123489, 123789, 12469, 12679, 13457, 135, 145678, 1568, 234569, 235679, 24589, 25789, 34678, 368, 47\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
952:503b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{35} + e^{26}, e^{47} + e^{15}$	1/65(32, 26, 35, 32, 58, 67, 58, 93, 90)	{0, 123489, 123789, 12469, 12679, 13457, 135, 145678, 1568, 234569, 235679, 24589, 25789, 34678, 368, 47}	
952:504	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{35} + e^{26}, e^{17} + e^{45}$	1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)	{0, 123489, 12378, 12469, 1267, 13457, 1359, 145678, 15689, 23456, 235679, 2458, 25789, 346789, 368, 479}	
952:508	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{35} + e^{26}, e^{47} + e^{15}$	1/124(57, 62, 56, 60, 119, 113, 116, 175, 176)	{0, 123489, 123789, 145678, 1568, 234569, 235679, 47}	
952:509	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{26} + e^{35}, e^{47} + e^{25}$	1/257(142, 109, 108, 126, 251, 250, 234, 359, 360)	{0, 123489, 123789, 13459, 13579, 24578, 258, 47}	
952:511a	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{15}, e^{47} + e^{36}$	1/32(14, 14, 17, 17, 28, 31, 31, 42, 48)	{0, 123489, 126789, 1356, 1457, 235789, 245689, 3467}	✓
952:511b	$0, 0, 0, 0, e^{12}, e^{14} - e^{23}, e^{24} + e^{13}, e^{15}, e^{36} + e^{47}$	1/32(14, 14, 17, 17, 28, 31, 31, 42, 48)	{0, 123489, 126789, 1356, 1457, 235789, 245689, 3467}	✓
952:512a	$0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14} + e^{23}, e^{15}, e^{36} + e^{47}$	1/32(14, 14, 17, 17, 28, 31, 31, 42, 48)	{0, 123489, 126789, 13579, 14569, 23568, 24578, 3467}	✓
952:512b	$0, 0, 0, 0, e^{12}, e^{24} - e^{13}, e^{23} + e^{14}, e^{15}, e^{47} + e^{36}$	1/32(14, 14, 17, 17, 28, 31, 31, 42, 48)	{0, 123489, 126789, 13579, 14569, 23568, 24578, 3467}	✓
952:516	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{34}, e^{26} + e^{17}$	1/111(40, 61, 60, 81, 101, 100, 121, 141, 161)	{0, 23568, 245789, 34679}	
952:517	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25} + e^{34}, e^{17} + e^{26}$	1/73(27, 34, 44, 51, 61, 71, 78, 95, 105)	{0, 13578, 145689, 34679}	
952:524	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} - e^{13}, e^{23} + e^{15}, e^{16} + e^{47}$	23/413(6, 11, 12, 7, 17, 19, 18, 23, 25)	{0, 12789, 14567, 245689}	
952:525	$0, 0, 0, 0, e^{12}a_1, (1 + a_1)e^{13}, e^{23} + e^{14}, e^{15}, e^{17} + e^{26} + e^{35}$	1/13(4, 7, 8, 11, 11, 12, 15, 15, 19)	{0, 123489, 12678, 1357, 14569, 23568, 245789, 34679}	
952:526	$0, 0, 0, 0, e^{12}a_1, (1 + a_1)e^{13}, e^{14} + e^{23}, e^{25}, e^{17} + e^{26} + e^{35}$	1/9(3, 4, 6, 7, 7, 9, 10, 11, 13)	{0, 123489, 12678, 13578, 145689, 2356, 24579, 34679}	
952:527a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{45} + e^{27} + e^{16}$	1/89(35, 35, 61, 61, 70, 96, 96, 105, 131)	{0, 123489, 12678, 13579, 1456, 235689, 24578, 34679}	
952:527b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23} + e^{14}, e^{15}, e^{27} + e^{45} + e^{16}$	1/89(35, 35, 61, 61, 70, 96, 96, 105, 131)	{0, 123489, 12678, 13579, 1456, 235689, 24578, 34679}	
952:528a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{25}, e^{45} + e^{27} + e^{16}$	1/89(35, 35, 61, 61, 70, 96, 96, 105, 131)	{0, 123489, 12678, 135789, 14568, 23569, 2457, 34679}	
952:528b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, e^{25}, e^{27} + e^{16} + e^{45}$	1/89(35, 35, 61, 61, 70, 96, 96, 105, 131)	{0, 123489, 12678, 135789, 14568, 23569, 2457, 34679}	
952:530	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15}, e^{27} + e^{36} + e^{45}$	1/441(159, 209, 259, 309, 368, 418, 468, 527, 677)	{0, 123489, 13579, 24578}	
952:533	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{15}, e^{16} + e^{25} + e^{37}$	1/9(3, 5, 4, 6, 8, 10, 9, 11, 13)	{0, 123489, 12789, 347}	
952:535	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15}, e^{46} + e^{27} + e^{35}$	2/423(81, 109, 123, 95, 190, 218, 204, 271, 313)	{0, 123489, 1278, 3479}	
952:536	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{25} + e^{16}, e^{17} + e^{35}$	1/61(19, 29, 39, 49, 48, 58, 68, 77, 87)	{0, 123489, 13578, 24579}	
952:538a	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{25} + e^{36}, e^{17} + e^{35}$	1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)	{0, 123489, 12678, 13578, 145689, 2356, 24579, 34679}	
952:538b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{14} + e^{23}, e^{36} + e^{25}, e^{17} + e^{35}$	1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)	{0, 123489, 12678, 13578, 145689, 2356, 24579, 34679}	
952:540	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{15} + e^{36}, e^{27} + e^{45}$	1/417(171, 215, 193, 237, 386, 364, 408, 557, 623)	{0, 123489, 12678, 34679}	
952:541a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{36} + e^{25}, e^{45} + e^{27}$	1/121(49, 59, 59, 69, 108, 108, 118, 167, 177)	{0, 123489, 12678, 135789, 14568, 23569, 2457, 34679}	
952:541b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, e^{36} + e^{25}, e^{27} + e^{45}$	1/121(49, 59, 59, 69, 108, 108, 118, 167, 177)	{0, 123489, 12678, 135789, 14568, 23569, 2457, 34679}	
952:543	$0, 0, 0, 0, -e^{12}, e^{34}, e^{14} + e^{23}, e^{15} + e^{36}, e^{35} + e^{17}$	1/3(1, 2, 1, 2, 3, 3, 3, 4, 4)	{0, 123489, 13567, 2456789}	
952:544	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} + e^{13}, e^{15} + e^{36}, e^{27} + e^{35}$	1/127(68, 47, 54, 75, 115, 129, 122, 183, 169)	{0, 123489, 1356, 245689}	
952:546	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} + e^{23}, e^{15} + e^{36}, e^{27} + e^{45}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	{0, 123489, 135679, 245678}	
952:547	$0, 0, 0, 0, e^{23} + e^{14}, -e^{12}, e^{13}, e^{36} + e^{15}, e^{35} + e^{47}$	1/5(2, 3, 2, 3, 5, 4, 7, 7)	{0, 123489, 12579, 1356, 14678, 23679, 245689, 34578}	
952:548	$0, 0, 0, 0, e^{23} + e^{14}, e^{12}, e^{13}, e^{46} + e^{25}, e^{35} + e^{47}$	1/30(15, 14, 14, 13, 28, 29, 29, 42, 42)	{0, 123489, 12579, 13568, 1467, 236789, 24569, 34578}	
952:549	$0, 0, 0, 0, e^{14} + e^{23}, -e^{12}, e^{34}, e^{36} + e^{15}, e^{35} + e^{17}$	1/3(1, 2, 1, 2, 3, 3, 3, 4, 4)	{0, 123489, 1259, 13567, 14678, 23679, 2456789, 3458}	
952:550	$0, 0, 0, 0, e^{14} - e^{23}, e^{12}, e^{34}, e^{15} + e^{36}, e^{45} + e^{27}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	{0, 123489, 1259, 135679, 146789, 2367, 245678, 3458}	
952:568	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{45} + e^{27} + e^{16}$	1/71(26, 35, 52, 43, 61, 78, 69, 87, 104)	{0, 12678, 1456, 24578}	
952:571	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, e^{35} + e^{47} + e^{26}$	5/123(8, 14, 16, 15, 22, 24, 23, 30, 38)	{0, 14569, 15679, 47}	
952:572	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23} + e^{15}, e^{37} + e^{46} + e^{25}$	1/187(57, 116, 114, 118, 173, 171, 175, 230, 289)	{0, 126789, 15679, 258}	
952:573	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{23}, e^{36} + e^{27} + e^{45}$	1/389(121, 223, 242, 261, 344, 363, 382, 465, 605)	{0, 124689, 15679, 24578}	
952:582	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{17} + e^{26} + e^{35}$	1/111(40, 61, 60, 81, 101, 100, 121, 141, 161)	{0, 23568, 245789, 34679}	
952:583	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{23}, e^{17} + e^{35} + e^{26}$	1/73(27, 34, 44, 51, 61, 71, 78, 95, 105)	{0, 13578, 145689, 34679}	
952:587	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{34}, e^{35} + e^{47} + e^{26}$	1/449(147, 261, 283, 272, 408, 430, 419, 555, 691)	{0, 123789, 15679, 23568}	
952:588	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{34} + e^{15}, e^{46} + e^{25} + e^{37}$	25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)	{0, 13459, 15679, 3467}	
952:608	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{34} + e^{17} + e^{25}$	1/187(57, 97, 114, 137, 154, 171, 194, 268, 251)	{0, 12469, 145689, 258}	
952:627	$0, 0, 0, 0, e^{12}, e^{13}, e^{34}, e^{14} + e^{35} + e^{26}, e^{25} + e^{37}$	1/389(233, 151, 128, 279, 384, 361, 407, 512, 535)	{0, 124679, 13459, 23567}	
952:632	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{16}, e^{17} + e^{35} + e^{26}$	1/61(19, 29, 39, 49, 48, 58, 68, 77, 87)	{0, 123489, 13578, 24579}	
952:634a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{36} + e^{25}, e^{26} + e^{35} + e^{17}$	1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)	{0, 123489, 12678, 13578, 145689, 2356, 24579, 34679}	✓

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
952:634b	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, -e^{25} + e^{36}, e^{17} + e^{26} + e^{35}$	$1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)$	{0, 123489, 12678, 13578, 145689, 2356, 24579, 34679}	✓
952:635a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{17} + e^{36} + e^{25}$	$1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)$	{0, 123489, 12469, 13459, 145689, 2356, 258, 368}	✓
952:635b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14}, -e^{26} + e^{35}, e^{17} + e^{25} + e^{36}$	$1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)$	{0, 123489, 12469, 13459, 145689, 2356, 258, 368}	✓
952:636	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{26}, e^{15} + e^{27} + e^{36}$	$1/217(117, 71, 94, 163, 188, 211, 234, 282, 305)$	{0, 123489, 12469, 368}	
952:639	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{16}, e^{47} + e^{26} + e^{35}$	$4/491(41, 61, 81, 71, 102, 122, 112, 163, 183)$	{0, 123489, 123789, 47}	
952:640	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{16}, e^{45} + e^{27} + e^{36}$	$1/28(10, 13, 16, 19, 23, 26, 29, 36, 42)$	{0, 123489, 135789, 2457}	
952:642	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{16} + e^{25}, e^{17} + e^{36} + e^{45}$	$1/213(79, 98, 117, 136, 177, 196, 234, 275, 313)$	{0, 123489, 13589, 245}	
952:643a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{16} + e^{25}, e^{26} + e^{35} + e^{47}$	$2/37(7, 9, 11, 9, 16, 18, 18, 25, 27)$	{0, 123489, 123789, 134578, 1358, 2459, 2579, 47}	✓
952:643b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{16} + e^{25}, e^{26} + e^{35} + e^{47}$	$2/37(7, 9, 11, 9, 16, 18, 18, 25, 27)$	{0, 123489, 123789, 134578, 1358, 2459, 2579, 47}	✓
952:649a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{25} + e^{36}, e^{26} + e^{35} + e^{47}$	$2/35(7, 9, 9, 9, 16, 16, 16, 25, 25)$	{0, 123489, 123789, 145689, 156789, 234567, 2356, 47}	✓
952:649b	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{36} - e^{25}, e^{26} + e^{35} + e^{47}$	$2/35(7, 9, 9, 9, 16, 16, 16, 25, 25)$	{0, 123489, 123789, 145689, 156789, 234567, 2356, 47}	✓
952:650a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{25} + e^{36} + e^{47}$	$2/35(7, 9, 9, 9, 16, 16, 16, 25, 25)$	{0, 123489, 123789, 12469, 12679, 13459, 13579, 145689, 156789, 234567, 2356, 24578, 258, 34678, 368, 47}	✓
952:650b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14}, e^{35} - e^{26}, e^{47} + e^{25} + e^{36}$	$2/35(7, 9, 9, 9, 16, 16, 16, 25, 25)$	{0, 123489, 123789, 12469, 12679, 13459, 13579, 145689, 156789, 234567, 2356, 24578, 258, 34678, 368, 47}	✓
952:650c	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{14}, e^{35} + e^{26}, e^{47} + e^{36} + e^{25}$	$2/35(7, 9, 9, 9, 16, 16, 16, 25, 25)$	{0, 123489, 123789, 12469, 12679, 13459, 13579, 145689, 156789, 234567, 2356, 24578, 258, 34678, 368, 47}	✓
952:651	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{26} + e^{35}, e^{46} + e^{25} + e^{37}$	$1/55(22, 29, 24, 34, 51, 46, 56, 75, 80)$	{0, 123489, 12679, 13459, 156789, 234567, 258, 34678}	
952:652	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{15} + e^{36}, e^{26} + e^{47} + e^{35}$	$4/531(59, 67, 63, 61, 126, 122, 128, 185, 189)$	{0, 123489, 123789, 47}	
952:653a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{35} + e^{26}, e^{15} + e^{36} + e^{47}$	$1/67(34, 28, 31, 34, 62, 65, 62, 93, 96)$	{0, 123489, 123789, 12469, 12679, 34678, 368, 47}	
952:653b	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{26} + e^{35}, e^{15} + e^{47} + e^{36}$	$1/67(34, 28, 31, 34, 62, 65, 62, 93, 96)$	{0, 123489, 123789, 12469, 12679, 34678, 368, 47}	
952:654	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{26} + e^{35}, e^{17} + e^{36} + e^{45}$	$1/31(13, 13, 16, 19, 26, 29, 32, 42, 45)$	{0, 123489, 12469, 1359, 15689, 23456, 2458, 368}	
952:655a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{25}, e^{35} + e^{47} + e^{26}$	$4/123(17, 13, 13, 15, 30, 30, 28, 43, 43)$	{0, 123489, 123789, 134578, 1358, 2459, 2579, 47}	✓
952:655b	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, -e^{25} + e^{36}, e^{35} + e^{47} + e^{26}$	$4/123(17, 13, 13, 15, 30, 30, 28, 43, 43)$	{0, 123489, 123789, 134578, 1358, 2459, 2579, 47}	✓
952:657	$0, 0, 0, 0, e^{12}, e^{34}, -e^{13}, e^{36} + e^{15}, e^{47} + e^{25} + e^{16}$	$4/123(14, 15, 13, 17, 29, 30, 27, 43, 44)$	{0, 123489, 1579, 234578}	
952:660	$0, 0, 0, 0, e^{12}, e^{34}, e^{13}, e^{36} + e^{25}, e^{27} + e^{46} + e^{35}$	$2/37(11, 7, 8, 9, 18, 17, 19, 25, 26)$	{0, 123489, 124678, 3679}	
952:665a	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{23} + e^{14}, a_2e^{13} + e^{24}, e^{15}, e^{27} + e^{16} + e^{35}$	$1/89(35, 35, 61, 61, 70, 96, 96, 105, 131)$	{0, 123489, 12678, 1356, 14579, 23578, 245689, 34679}	
952:665b	$0, 0, 0, 0, (-1 + a_2)e^{12}, -e^{14} + e^{23}, a_2e^{13} + e^{24}, e^{15}, e^{16} + e^{27} + e^{35}$	$1/89(35, 35, 61, 61, 70, 96, 96, 105, 131)$	{0, 123489, 12678, 1356, 14579, 23578, 245689, 34679}	
952:670a	$0, 0, 0, 0, -e^{23} + e^{14}, e^{12}, e^{24} + e^{13}, e^{36} + e^{15}, e^{35} + e^{47}$	$1/81(39, 39, 37, 37, 76, 78, 76, 115, 113)$	{0, 123489, 12579, 1356, 14678, 23679, 245689, 34578}	
952:670b	$0, 0, 0, 0, e^{23} + e^{14}, -e^{12}, e^{24} + e^{13}, e^{36} + e^{15}, e^{35} + e^{47}$	$1/81(39, 39, 37, 37, 76, 78, 76, 115, 113)$	{0, 123489, 12579, 1356, 14678, 23679, 245689, 34578}	
952:674	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{15} + e^{24}, e^{17} + e^{26} + e^{35}$	$1/71(26, 35, 43, 52, 61, 69, 78, 87, 104)$	{0, 12678, 1357, 23568}	
952:675	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{34} + e^{15}, e^{35} + e^{17} + e^{26}$	$1/111(40, 61, 60, 81, 101, 100, 121, 141, 161)$	{0, 23568, 245789, 34679}	
952:676	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{34} + e^{25}, e^{17} + e^{35} + e^{26}$	$1/73(27, 34, 44, 51, 61, 71, 78, 95, 105)$	{0, 13578, 145689, 34679}	
952:680a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{15} + e^{34}, e^{27} + e^{16} + e^{45}$	$37/177(2, 2, 3, 3, 4, 5, 5, 6, 7)$	{0, 235689, 24578, 34679}	
952:680b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, e^{15} + e^{34}, e^{45} + e^{16} + e^{27}$	$37/177(2, 2, 3, 3, 4, 5, 5, 6, 7)$	{0, 235689, 24578, 34679}	
952:681a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25} + e^{34}, e^{27} + e^{16} + e^{45}$	$37/177(2, 2, 3, 3, 4, 5, 5, 6, 7)$	{0, 135789, 14568, 34679}	
952:681b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{14} + e^{23}, e^{34} + e^{25}, e^{16} + e^{27} + e^{45}$	$37/177(2, 2, 3, 3, 4, 5, 5, 6, 7)$	{0, 135789, 14568, 34679}	
952:683	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{34} + e^{15}, e^{45} + e^{36} + e^{27}$	$81/853(4, 5, 6, 7, 9, 10, 11, 13, 16)$	{0, 24578}	
952:692	$0, 0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{24} + e^{15} + e^{36}, e^{17} + e^{35}$	$13/109(3, 5, 4, 6, 8, 7, 9, 11, 12)$	{0, 12678}	
952:705	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{25} + e^{16}, e^{26} + e^{35} + e^{17}$	$1/61(19, 29, 39, 49, 48, 58, 68, 77, 87)$	{0, 123489, 13578, 24579}	
952:706a	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{36} + e^{25}, e^{35} + e^{26} + e^{17}$	$1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)$	{0, 123489, 12678, 13578, 145689, 2356, 24579, 34679}	
952:706b	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{36} - e^{25}, e^{26} + e^{35} + e^{17}$	$1/13(4, 7, 7, 10, 11, 11, 14, 18, 18)$	{0, 123489, 12678, 13578, 145689, 2356, 24579, 34679}	
952:708	$0, 0, 0, 0, e^{12}a_1, e^{13}, e^{14}a_1 + e^{23}, e^{25} + e^{16}, e^{27} + e^{45} + e^{36}$	$1/28(10, 13, 16, 19, 23, 26, 29, 36, 42)$	{0, 123489, 135789, 2457}	
952:713	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} - e^{13}, e^{36} + e^{15}, e^{47} + e^{25} + e^{16}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	{0, 123489}	
952:716	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{13}, e^{16} + e^{35}, e^{25} + e^{47} + e^{36}$	$1/281(107, 151, 129, 173, 258, 280, 236, 387, 409)$	{0, 123489, 12679, 34678}	
952:717	$0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{13}, e^{16} + e^{35}, e^{37} + e^{26} + e^{45}$	$1/281(107, 129, 151, 173, 236, 280, 258, 387, 409)$	{0, 123489, 13569, 24568}	
952:718	$0, 0, 0, 0, e^{12}a_1, e^{14}a_1 + e^{23}, (1 + a_1)e^{13}, e^{45} + e^{26}, e^{35} + e^{27} + e^{16}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	{0, 123489, 1267, 13568, 14579, 23578, 24569, 346789}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
952:719a	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13}, e^{26} + e^{45}, e^{47} + e^{36} + e^{15}$	$1/81(39, 37, 39, 37, 76, 76, 78, 113, 115)$	$\{0, 123489, 12679, 13568, 1457, 235789, 24569, 34678\}$	
952:719b	$0, 0, 0, 0, -e^{12}, e^{23} - e^{14}, -e^{13}, e^{45} + e^{26}, e^{47} + e^{36} + e^{15}$	$1/81(39, 37, 39, 37, 76, 76, 78, 113, 115)$	$\{0, 123489, 12679, 13568, 1457, 235789, 24569, 34678\}$	
952:720	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13}, e^{45} + e^{26}, e^{47} + e^{36} + e^{25}$	$1/107(53, 49, 51, 47, 102, 100, 104, 149, 151)$	$\{0, 123489, 12679, 34678\}$	
952:721	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34}, e^{16} + e^{35}, e^{25} + e^{17} + e^{36}$	$2/41(7, 11, 9, 13, 18, 20, 22, 27, 29)$	$\{0, 123489, 1269, 3468\}$	
952:723	$0, 0, 0, 0, -e^{12}, e^{23} - e^{14}, e^{34}, e^{16} + e^{35}, e^{26} + e^{37} + e^{45}$	$1/157(64, 78, 71, 85, 142, 149, 156, 213, 227)$	$\{0, 123489, 126, 34689\}$	
952:735	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{15} + e^{36} + e^{24}, e^{17} + e^{26} + e^{35}$	$13/109(3, 5, 4, 6, 8, 7, 9, 11, 12)$	$\{0, 12678\}$	
952:756	$0, 0, 0, 0, e^{12}, e^{13} a_1, e^{24}, e^{15} + e^{27} + e^{36}, e^{25} + e^{47} + e^{16}$	$8/17(1, 1, 1, 1, 2, 2, 3, 3)$	$\{0, 123489\}$	
952:759	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{35} + e^{17} + e^{26}, e^{37} + e^{46} + e^{25}$	$1/281(107, 151, 129, 173, 258, 236, 280, 387, 409)$	$\{0, 123489, 12679, 34678\}$	
952:760	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{36} + e^{27} + e^{15}, e^{26} + e^{35} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 3, 3)$	$\{0, 123489\}$	
952:761	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{37} + e^{46} + e^{25}, e^{47} + e^{35} + e^{26}$	$2/35(7, 9, 9, 9, 16, 16, 16, 25, 25)$	$\{0, 123489, 156789, 234567\}$	
952:762	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{24}, e^{36} + e^{45} + e^{17}, e^{26} + e^{47} + e^{35}$	$8/17(1, 1, 1, 1, 2, 2, 3, 3)$	$\{0, 123489, 1358, 2459\}$	
952:765a	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{23} + e^{14}, a_2e^{13} + e^{24}, e^{34} + e^{15}, e^{16} + e^{27} + e^{35}$	$37/177(2, 2, 3, 3, 4, 5, 5, 6, 7)$	$\{0, 23578, 245689, 34679\}$	
952:765b	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{23} - e^{14}, a_2e^{13} + e^{24}, e^{15} + e^{34}, e^{27} + e^{16} + e^{35}$	$37/177(2, 2, 3, 3, 4, 5, 5, 6, 7)$	$\{0, 23578, 245689, 34679\}$	
952:770a	$0, 0, 0, 0, e^{12}, e^{14} - e^{23}, e^{13} + e^{24}, e^{35} + e^{16}, e^{36} + e^{47} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
952:770b	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{35} - e^{16}, e^{47} + e^{36} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
952:770c	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{35} + e^{16}, e^{47} + e^{36} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
952:770d	$0, 0, 0, 0, -e^{12}, e^{14} - e^{23}, e^{24} + e^{13}, e^{35} - e^{16}, e^{47} + e^{36} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
952:772a	$0, 0, 0, 0, e^{12}, -e^{23} + e^{14}, e^{24} + e^{13}, e^{16} + e^{35}, e^{25} + e^{47} + e^{36}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 34678\}$	
952:772b	$0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{24} + e^{13}, e^{16} + e^{35}, e^{47} + e^{36} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 34678\}$	
952:774a	$0, 0, 0, 0, e^{13} a_1 + e^{24}, e^{14} + e^{23}, (-1 + a_1)e^{12}, e^{26} + e^{15}, e^{37} + e^{25} + e^{16}$	$1/5(2, 2, 3, 3, 5, 5, 4, 7, 7)$	$\{0, 123489, 1256, 13678, 14579, 23578, 24679, 345689\}$	
952:774b	$0, 0, 0, 0, e^{13} a_1 + e^{24}, -e^{14} + e^{23}, (-1 + a_1)e^{12}, e^{26} - e^{15}, e^{37} + e^{16} + e^{25}$	$1/5(2, 2, 3, 3, 5, 5, 4, 7, 7)$	$\{0, 123489, 1256, 13678, 14579, 23578, 24679, 345689\}$	
952:777a	$0, 0, 0, 0, e^{14} + a_3e^{23}, e^{13} + e^{24}, (-1 + a_3)e^{12}, e^{46} + e^{35}, e^{37} + e^{26} + e^{15}$	$1/81(39, 39, 37, 37, 76, 76, 78, 113, 115)$	$\{0, 123489, 12568, 1357, 14679, 23678, 245789, 34569\}$	
952:777b	$0, 0, 0, 0, -e^{14} + a_3e^{23}, e^{24} - e^{13}, -e^{12}(1 + a_3), e^{46} + e^{35}, e^{26} + e^{37} + e^{15}$	$1/81(39, 39, 37, 37, 76, 76, 78, 113, 115)$	$\{0, 123489, 12568, 1357, 14679, 23678, 245789, 34569\}$	
952:778a	$0, 0, 0, 0, e^{23} + e^{14}, e^{24} + e^{13}, e^{12}, e^{35} + e^{46}, e^{17} + e^{36} + e^{45}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 125689, 3456\}$	
952:778b	$0, 0, 0, 0, -e^{14} + e^{23}, e^{24} + e^{13}, e^{12}, -e^{35} + e^{46}, e^{17} + e^{36} + e^{45}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 125689, 3456\}$	
952:779a	$0, 0, 0, 0, e^{13} + e^{24}, e^{14} + e^{23}, e^{12}, e^{46} + e^{35}, e^{17} + e^{45} + e^{36}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 125689, 13678, 14578, 23579, 24679, 3456\}$	
952:779b	$0, 0, 0, 0, e^{13} - e^{24}, e^{14} + e^{23}, e^{12}, e^{46} - e^{35}, e^{17} + e^{36} + e^{45}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 125689, 13678, 14578, 23579, 24679, 3456\}$	
952:779c	$0, 0, 0, 0, e^{24} + e^{13}, e^{23} + e^{14}, -e^{12}, e^{35} + e^{46}, e^{36} + e^{45} + e^{17}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 125689, 13678, 14578, 23579, 24679, 3456\}$	
952:783	$0, 0, 0, 0, (-1 + a_2)e^{12}, a_2e^{13}, e^{14} + e^{23}, e^{15} + e^{24} + e^{36}, e^{17} + e^{26} + e^{35}$	$13/109(3, 5, 4, 6, 8, 7, 9, 11, 12)$	$\{0, 12678\}$	
952:795	$0, 0, 0, 0, (-1 + a_3)e^{12}, a_3e^{13}, e^{23} + a_3e^{14}, e^{17} + e^{26} + e^{35}, e^{46} + e^{25} + e^{37}$	$1/281(107, 151, 129, 173, 258, 236, 280, 387, 409)$	$\{0, 123489, 12679, 34678\}$	
952:796a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{27} + e^{16} + e^{45}, e^{15} + e^{46} + e^{37}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 13578, 1456, 235689, 24579, 34678\}$	
952:796b	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, -e^{16} + e^{27} + e^{45}, e^{15} + e^{46} + e^{37}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 13578, 1456, 235689, 24579, 34678\}$	
952:796c	$0, 0, 0, 0, -e^{12}, -e^{13}, e^{23} - e^{14}, e^{45} + e^{27} - e^{16}, e^{37} + e^{46} + e^{15}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 13578, 1456, 235689, 24579, 34678\}$	
952:797a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{45} + e^{27} + e^{16}, e^{46} + e^{25} + e^{37}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 34678\}$	
952:797b	$0, 0, 0, 0, -e^{12}, -e^{13}, -e^{14} + e^{23}, e^{16} + e^{45} + e^{27}, e^{25} + e^{37} + e^{46}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12679, 34678\}$	
952:798	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{27} + e^{36} + e^{45}, e^{37} + e^{46} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489\}$	
952:799a	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} - e^{13}, e^{15} + e^{26} + e^{37}, e^{16} + e^{25} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12789, 347\}$	
952:799b	$0, 0, 0, 0, e^{12}, e^{34}, e^{24} - e^{13}, -e^{15} + e^{37} + e^{26}, e^{47} + e^{16} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12789, 347\}$	
952:800	$0, 0, 0, 0, -e^{12}, e^{34}, a_2e^{13} + e^{24}, e^{26} + e^{15} + e^{37}, e^{17} + e^{45} + e^{36}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1278, 3479\}$	
952:801a	$0, 0, 0, 0, e^{12}, e^{34}, -e^{23} + e^{14}, e^{25} + e^{37} + e^{16}, e^{46} + e^{35} + e^{17}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1278, 3479\}$	
952:801b	$0, 0, 0, 0, -e^{12}, e^{34}, e^{23} + e^{14}, e^{37} + e^{16} + e^{25}, e^{35} + e^{46} + e^{17}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1278, 3479\}$	
952:802a	$0, 0, 0, 0, (1 + a_2)e^{13} + e^{24}, e^{14} + e^{23}, a_2e^{12} + e^{34}, e^{26} + e^{15} + e^{37} + e^{16}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1256, 13678, 14579, 23578, 24679, 345689\}$	
952:802b	$0, 0, 0, 0, (1 + a_2)e^{13} - e^{24}, e^{14} + e^{23}, a_2e^{12} + e^{34}, e^{26} - e^{15}, e^{37} + e^{25} + e^{16}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1256, 13678, 14579, 23578, 24679, 345689\}$	
952:802c	$0, 0, 0, 0, (1 + a_2)e^{13} - e^{24}, -e^{14} + e^{23}, a_2e^{12} + e^{34}, e^{26} + e^{15}, e^{37} + e^{16} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1256, 13678, 14579, 23578, 24679, 345689\}$	
952:807a	$0, 0, 0, 0, e^{12} a_1,$ $(a_3 - a_1)e^{23} + (1 + a_1)e^{14}, e^{24} + a_3e^{13}, e^{35} + e^{27} + e^{16}, e^{45} + e^{17} + e^{26}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 13569, 14578, 23579, 24568, 346789\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
952:807b	$0, 0, 0, 0, e^{12}a_1,$ $-(a_3 - a_1)e^{23} + (1 + a_1)e^{14}, e^{24} + a_3e^{13}, e^{27} + e^{35} - e^{16}, e^{26} + e^{17} + e^{45}$	1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)	$\{\emptyset, 123489, 1267, 13569, 14578, 23579, 24568, 346789\}$	
952:808a	$0, 0, 0, 0, e^{12},$ $(-1 + a_2)e^{23} + a_2e^{14}, a_2e^{13} + e^{24}, e^{27} + e^{35} + e^{16}, e^{47} + e^{36} + e^{15}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
952:808b	$0, 0, 0, 0, e^{12},$ $(-1 + a_2)e^{23} + a_2e^{14}, a_2e^{13} + e^{24}, e^{27} + e^{35} - e^{16}, e^{15} + e^{36} + e^{47}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
952:808c	$0, 0, 0, 0, -e^{12},$ $(1 + a_2)e^{23} + a_2e^{14}, a_2e^{13} + e^{24}, e^{27} + e^{16} + e^{35}, e^{15} + e^{47} + e^{36}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
952:808d	$0, 0, 0, 0, -e^{12},$ $(-1 + a_2)e^{23} - a_2e^{14}, -a_2e^{13} + e^{24}, -e^{16} + e^{27} + e^{35}, e^{47} + e^{15} + e^{36}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
952:809a	$0, 0, 0, 0, (-1 + a_2)e^{12}, e^{14} + e^{23}, a_2e^{13} + e^{24}, e^{27} + e^{16} + e^{35}, e^{15} + e^{46} + e^{37}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 12679, 34678\}$	
952:809b	$0, 0, 0, 0, (-1 + a_2)e^{12},$ $-e^{14} + e^{23}, a_2e^{13} + e^{24}, e^{16} + e^{35} + e^{27}, e^{15} + e^{46} + e^{37}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 12679, 34678\}$	
952:810a	$0, 0, 0, 0, e^{12}, a_2e^{14} + e^{23}, a_2e^{13} + e^{24}, e^{37} + e^{46} + e^{15}, e^{47} + e^{36} + e^{25}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 126789, 3467\}$	
952:810b	$0, 0, 0, 0, e^{12}, a_2e^{14} - e^{23}, a_2e^{13} + e^{24}, e^{46} - e^{37} + e^{15}, e^{47} + e^{36} + e^{25}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 126789, 3467\}$	
952:811a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13}a_1 + e^{24}, e^{36}a_1 + e^{15} + e^{47}, e^{25} + e^{37} + e^{46}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 126789, 13569, 14579, 23578, 24568, 3467\}$	
952:811b	$0, 0, 0, 0, e^{12}, e^{23} - e^{14}, -e^{13}a_1 + e^{24}, e^{36}a_1 + e^{47} + e^{15}, e^{37} + e^{46} + e^{25}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 126789, 13569, 14579, 23578, 24568, 3467\}$	
952:811c	$0, 0, 0, 0, -e^{12}, e^{23} - e^{14}, -e^{13}a_1 + e^{24}, e^{36}a_1 + e^{15} + e^{47}, e^{25} + e^{37} + e^{46}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 126789, 13569, 14579, 23578, 24568, 3467\}$	
952:812a	$0, 0, 0, 0, (-1 + a_4 + a_1)e^{23} + e^{14},$ $e^{24}a_4 + e^{13}a_1, -(-1 + a_4)e^{12} + e^{34}, e^{15} + e^{37} + e^{26}, e^{16} + e^{25} + e^{47}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 1256, 13579, 14678, 23679, 24578, 345689\}$	
952:812b	$0, 0, 0, 0, -(-1 + a_4 + a_1)e^{23} + e^{14},$ $e^{24}a_4 + e^{13}a_1, -(-1 + a_4)e^{12} + e^{34}, e^{26} - e^{15} + e^{37}, e^{25} + e^{16} + e^{47}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 1256, 13579, 14678, 23679, 24578, 345689\}$	
952:812c	$0, 0, 0, 0, -(-1 + a_4 - a_1)e^{23} - e^{14},$ $-e^{24}a_4 + e^{13}a_1, (-1 + a_4)e^{12} + e^{34}, e^{15} + e^{26} + e^{37}, e^{16} + e^{47} + e^{25}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 1256, 13579, 14678, 23679, 24578, 345689\}$	
952:812d	$0, 0, 0, 0, -(1 + a_4 - a_1)e^{23} - e^{14},$ $e^{24}a_4 - e^{13}a_1, -(1 + a_4)e^{12} + e^{34}, e^{37} - e^{15} + e^{26}, e^{47} + e^{16} + e^{25}$	8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)	$\{\emptyset, 123489, 1256, 13579, 14678, 23679, 24578, 345689\}$	
951:22	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{24}, e^{26} + e^{35}$	1/13(6, 6, 7, 9, 12, 13, 15, 15, 19)	$\{\emptyset, 12349, 123789, 1246, 12678, 13458, 1357, 145689, 15679, 234567, 23568, 24579, 2589, 346789, 369, 478\}$	
951:25	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{34}, e^{35} + e^{26}$	1/7(4, 3, 3, 5, 7, 7, 8, 8, 10)	$\{\emptyset, 12349, 123789, 12468, 1267, 13457, 1358, 1456789, 1569, 23456, 235678, 24589, 2579, 34679, 3689, 478\}$	
951:29	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{26} + e^{35}$	1/19(8, 10, 10, 15, 18, 18, 20, 23, 28)	$\{\emptyset, 12349, 12389, 12467, 12678, 13457, 13578, 14569, 15689, 234568, 2356, 245789, 2579, 346789, 3679, 48\}$	
951:46	$0, 0, 0, 0, e^{12}(-1 + a_2), a_2e^{13}, e^{23}, e^{14}, e^{35} + e^{17} + e^{26}$	1/19(8, 10, 10, 15, 18, 18, 20, 23, 28)	$\{\emptyset, 12349, 12389, 12467, 12678, 13457, 13578, 14569, 15689, 234568, 2356, 245789, 2579, 346789, 3679, 48\}$	
951:56	$0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13}, e^{34}, e^{45} + e^{26}$	1/51(27, 22, 31, 26, 49, 53, 58, 57, 75)	$\{\emptyset, 12349, 1267, 135689, 14578, 235789, 24568, 34679\}$	
951:65	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23}, e^{26} + e^{35} + e^{17}$	3/16(2, 3, 3, 4, 5, 5, 6, 6, 8)	$\{\emptyset, 12349, 12678, 13578, 14569, 2356, 245789, 346789\}$	
951:68	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23}, e^{27} + e^{45} + e^{16}$	1/12(5, 6, 8, 7, 11, 13, 12, 14, 18)	$\{\emptyset, 12349, 12678, 135789, 1456, 23569, 24578, 346789\}$	
951:71	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23}, e^{26} + e^{47} + e^{35}$	1/9(4, 5, 5, 5, 9, 9, 9, 10, 14)	$\{\emptyset, 12349, 12379, 14569, 15679, 234567, 2356, 47\}$	
951:72	$0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{23}, e^{25} + e^{37} + e^{46}$	1/41(18, 23, 22, 24, 41, 40, 42, 45, 64)	$\{\emptyset, 12349, 126789, 134589, 15679, 234567, 258, 34678\}$	
951:74	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{23}, e^{45} + e^{17} + e^{36}$	1/179(83, 93, 97, 101, 176, 180, 194, 190, 277)	$\{\emptyset, 12349, 124689, 13589, 1569, 23456, 2458, 368\}$	
951:79	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{34}, e^{17} + e^{36} + e^{45}$	1/179(81, 101, 97, 93, 182, 178, 194, 190, 275)	$\{\emptyset, 12349, 124689, 13589, 1569, 23456, 2458, 368\}$	
951:83	$0, 0, 0, 0, e^{12}(-1 + a_2), a_2e^{13}, e^{14} + e^{23}, e^{24}, e^{26} + e^{35} + e^{17}$	1/12(5, 6, 7, 8, 11, 12, 13, 14, 18)	$\{\emptyset, 12349, 12678, 1357, 145689, 23568, 24579, 346789\}$	
951:84a	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{16} + e^{45} + e^{27}$	3/53(8, 8, 11, 11, 16, 19, 19, 19, 27)	$\{\emptyset, 12349, 12678, 13579, 14568, 235689, 2457, 346789\}$	
951:84b	$0, 0, 0, 0, e^{12}, -e^{13}, e^{23} + e^{14}, e^{24}, e^{16} + e^{27} + e^{45}$	3/53(8, 8, 11, 11, 16, 19, 19, 19, 27)	$\{\emptyset, 12349, 12678, 13579, 14568, 235689, 2457, 346789\}$	
951:85a	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{24}, e^{15} + e^{37} + e^{46}$	1/23(11, 13, 11, 13, 24, 22, 24, 26, 35)	$\{\emptyset, 12349, 126789, 1357, 14568, 235689, 24579, 34678\}$	
951:85b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{15} + e^{37} + e^{46}$	1/23(11, 13, 11, 13, 24, 22, 24, 26, 35)	$\{\emptyset, 12349, 126789, 1357, 14568, 235689, 24579, 34678\}$	
951:86	$0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{24}, e^{25} + e^{46} + e^{37}$	3/401(65, 71, 68, 74, 136, 133, 139, 145, 207)	$\{\emptyset, 12349, 126789, 34678\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
951:87	$0, 0, 0, 0, e^{12}, e^{13}, e^{23} + e^{14}, e^{24}, e^{27} + e^{36} + e^{45}$	$5/148(14, 15, 16, 17, 29, 30, 31, 32, 46)$	$\{0, 12349, 13579, 2457\}$	
951:89	$0, 0, 0, 0, e^{12}, e^{34}, e^{14} - e^{23}, e^{13}, e^{26} + e^{15} + e^{47}$	$3/160(28, 26, 29, 27, 54, 56, 55, 57, 82)$	$\{0, 12349, 12789, 3478\}$	
951:91a	$0, 0, 0, 0, a_1 e^{12}, e^{23} + e^{14}, e^{24} + e^{13}(1 + a_1), e^{34}, e^{27} + e^{16} + e^{35}$	$1/23(11, 11, 13, 13, 22, 24, 24, 26, 35)$	$\{0, 12349, 1267, 13568, 145789, 23578, 245689, 34679\}$	
951:91b	$0, 0, 0, 0, a_1 e^{12}, -e^{14} + e^{23}, e^{24} + e^{13}(1 + a_1), e^{34}, e^{16} + e^{27} + e^{35}$	$1/23(11, 11, 13, 13, 22, 24, 24, 26, 35)$	$\{0, 12349, 1267, 13568, 145789, 23578, 245689, 34679\}$	
951:92a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{24}, e^{34}, e^{36} + e^{47} + e^{15}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 12679, 13568, 14578, 235789, 245689, 3467\}$	✓
951:92b	$0, 0, 0, 0, e^{12}, -e^{23} + e^{14}, e^{24} + e^{13}, e^{34}, e^{47} + e^{36} + e^{15}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 12679, 13568, 14578, 235789, 245689, 3467\}$	✓
951:92c	$0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{24} + e^{13}, e^{34}, e^{47} + e^{36} + e^{15}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 12679, 13568, 14578, 235789, 245689, 3467\}$	✓
951:93a	$0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{24} + e^{13}, e^{34}, e^{46} + e^{37} + e^{15}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 12679, 3467\}$	✓
951:93b	$0, 0, 0, 0, e^{12}, -e^{14} + e^{23}, e^{13} + e^{24}, e^{34}, e^{37} + e^{15} + e^{46}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 12679, 3467\}$	✓
951:95	$0, 0, 0, 0, e^{12}(-1 + a_2), a_2 e^{13}, e^{23}, e^{14}, e^{17} + e^{26} + e^{48} + e^{35}$	$1/9(4, 5, 5, 5, 9, 9, 10, 9, 14)$	$\{0, 12349, 12389, 14569, 15689, 234568, 2356, 48\}$	
951:96	$0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{14}, e^{15} + e^{27} + e^{38} + e^{46}$	$5/148(15, 16, 14, 17, 31, 29, 30, 32, 46)$	$\{0, 12349, 1456, 23569\}$	
951:98a	$0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{48} + e^{16} + e^{25} + e^{37}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 13589, 2458\}$	
951:98b	$0, 0, 0, 0, -e^{12}, e^{13}, e^{24}, e^{14} + e^{23}, e^{37} + e^{48} + e^{25} + e^{16}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 13589, 2458\}$	
951:99	$0, 0, 0, 0, e^{12}(-1 + a_2), e^{13}, e^{24}, a_2 e^{14} + e^{23}, e^{17} + e^{28} + e^{36} + e^{45}$	$5/148(14, 15, 16, 17, 29, 30, 32, 31, 46)$	$\{0, 12349, 13589, 2458\}$	
951:100a	$0, 0, 0, 0, e^{12}, e^{34}, (1 + a_2)e^{14} + e^{23}, a_2 e^{13} + e^{24}, e^{48} + e^{37} + e^{16} + e^{25}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 12789, 3478\}$	
951:100b	$0, 0, 0, 0, e^{12}, e^{34}, (1 + a_2)e^{14} - e^{23}, a_2 e^{13} + e^{24}, e^{48} + e^{25} + e^{37} + e^{16}$	$15/29(1, 1, 1, 1, 2, 2, 2, 2, 3)$	$\{0, 12349, 12789, 3478\}$	
94321:10	$0, 0, 0, 0, 0, -e^{12}, e^{16}, e^{17} + e^{23}, e^{18} + e^{45} + e^{36}$	$3/40(3, 8, 9, 10, 10, 11, 14, 17, 20)$	$\{0, 123479, 123579, 134568, 1368, 246789, 256789, 45\}$	
94321:16	$0, 0, 0, 0, 0, -e^{12}, e^{16}, e^{23} + e^{17}, e^{28} + e^{45} + e^{67}$	$2/15(2, 3, 6, 6, 6, 5, 7, 9, 12)$	$\{0, 123479, 123579, 134689, 135689, 245678, 2678, 45\}$	
94321:28	$0, 0, 0, 0, 0, -e^{12}, e^{23} + e^{16}, e^{36} + e^{17}, e^{37} + e^{45} + e^{18}$	$1/185(43, 108, 86, 140, 140, 151, 194, 237, 280)$	$\{0, 12479, 12579, 14568, 168, 246789, 256789, 45\}$	
9431:24	$0, 0, 0, 0, 0, e^{12}, e^{26} + e^{13}, e^{16} + e^{45}, e^{27} + e^{36}$	$1/124(65, 38, 76, 84, 84, 103, 141, 168, 179)$	$\{0, 12478, 12578, 145679, 1679, 24689, 25689, 45\}$	
9431:27	$0, 0, 0, 0, 0, e^{12}, e^{26} + e^{13}, e^{16}, e^{27} + e^{36} + e^{45}$	$1/59(24, 22, 44, 45, 45, 46, 68, 70, 90)$	$\{0, 124578, 1278, 14679, 15679, 24689, 25689, 45\}$	
9431:28	$0, 0, 0, 0, 0, e^{12}, e^{26} + e^{13}, e^{16} + e^{34}, e^{45} + e^{36} + e^{27}$	$1/477(233, 155, 310, 311, 387, 388, 543, 621, 698)$	$\{0, 124578, 15679, 24689\}$	
9431:36	$0, 0, 0, 0, 0, e^{12}, e^{26} + e^{13}, e^{16} + e^{34}, e^{15} + e^{36} + e^{27}$	$2/27(7, 4, 8, 10, 12, 11, 15, 18, 19)$	$\{0, 124578, 1679, 245689\}$	
9431:40	$0, 0, 0, 0, 0, -e^{12}, e^{23} + e^{16}, e^{26} + e^{14}, e^{25} + e^{36} + e^{17}$	$1/71(23, 32, 46, 64, 69, 55, 78, 87, 101)$	$\{0, 12578, 15689, 2679\}$	
9431:50	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{26} + e^{13}, e^{18} + e^{27} + e^{45}$	$1/25(8, 11, 22, 19, 19, 19, 27, 30, 38)$	$\{0, 124578, 1278, 14568, 168, 24567, 267, 45\}$	
9431:56a	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{16}, e^{13} + e^{26}, e^{45} + e^{17} + e^{28}$	$5/13(1, 1, 2, 2, 2, 2, 3, 3, 4)$	$\{0, 124578, 1278, 14689, 15689, 24679, 25679, 45\}$	✓
9431:56b	$0, 0, 0, 0, 0, e^{12}, e^{23} - e^{16}, e^{26} + e^{13}, e^{28} + e^{45} + e^{17}$	$5/13(1, 1, 2, 2, 2, 2, 3, 3, 4)$	$\{0, 124578, 1278, 14689, 15689, 24679, 25679, 45\}$	✓
9431:57a	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{16}, e^{13} + e^{26}, e^{45} + e^{27} + e^{18}$	$5/13(1, 1, 2, 2, 2, 2, 3, 3, 4)$	$\{0, 124578, 1278, 14568, 168, 24567, 267, 45\}$	✓
9431:57b	$0, 0, 0, 0, 0, e^{12}, e^{16} + e^{23}, -e^{13} + e^{26}, e^{27} + e^{18} + e^{45}$	$5/13(1, 1, 2, 2, 2, 2, 3, 3, 4)$	$\{0, 124578, 1278, 14568, 168, 24567, 267, 45\}$	✓
9431:59a	$0, 0, 0, 0, 0, e^{12}, e^{16}, e^{13} + e^{26}, e^{17} + e^{28} + e^{45} + e^{36}$	$5/13(1, 1, 2, 2, 2, 2, 3, 3, 4)$	$\{0, 124578, 1278, 14689, 15689, 24679, 25679, 45\}$	
9431:59b	$0, 0, 0, 0, 0, e^{12}, -e^{16}, e^{26} + e^{13}, e^{28} + e^{36} + e^{45} + e^{17}$	$5/13(1, 1, 2, 2, 2, 2, 3, 3, 4)$	$\{0, 124578, 1278, 14689, 15689, 24679, 25679, 45\}$	
9431:62	$0, 0, 0, 0, 0, e^{12}, e^{16} + e^{23}, e^{26} + e^{14}, e^{27} + e^{18} + e^{35}$	$1/17(6, 7, 12, 14, 14, 13, 19, 20, 26)$	$\{0, 1278, 168, 267\}$	
9431:63a	$0, 0, 0, 0, 0, (-1 + a_2)e^{12}, e^{16} + e^{23}, e^{13} a_2 + e^{26}, e^{45} + e^{28} + e^{17} + e^{36}$	$5/13(1, 1, 2, 2, 2, 2, 3, 3, 4)$	$\{0, 124578, 1278, 14689, 15689, 24679, 25679, 45\}$	
9431:63b	$0, 0, 0, 0, 0, (-1 + a_2)e^{12}, e^{23} - e^{16}, e^{13} a_2 + e^{26}, e^{17} + e^{28} + e^{45} + e^{36}$	$5/13(1, 1, 2, 2, 2, 2, 3, 3, 4)$	$\{0, 124578, 1278, 14689, 15689, 24679, 25679, 45\}$	
9421:62	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{16} + e^{23}, e^{18} + e^{36} + e^{45}$	$1/109(31, 67, 62, 69, 91, 98, 131, 129, 160)$	$\{0, 124578, 128, 14679, 1569, 246789, 25689, 457\}$	
9421:65	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{35}, e^{13} + e^{26}, e^{28} + e^{36}$	$1/109(58, 31, 62, 91, 87, 89, 149, 120, 151)$	$\{0, 1248, 12578, 14689, 156789, 245679, 269, 457\}$	
9421:75	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16} + e^{24}, e^{18} + e^{46} + e^{35}$	$1/179(58, 101, 132, 116, 143, 159, 190, 217, 275)$	$\{0, 12358, 1278, 1369, 15679, 236789, 25689, 357\}$	
9421:76	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{14}, e^{28} + e^{35} + e^{46}$	$1/69(33, 24, 47, 48, 58, 57, 80, 81, 105)$	$\{0, 12358, 1278, 13689, 156789, 23679, 2569, 357\}$	
9421:77	$0, 0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{16} + e^{25}, e^{56} + e^{18}$	$1/179(58, 83, 168, 143, 116, 141, 226, 199, 257)$	$\{0, 12348, 1278, 1369, 14679, 236789, 24689, 347\}$	
9421:80	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{36} + e^{15} + e^{28}$	$1/7(4, 2, 4, 5, 6, 6, 9, 8, 10)$	$\{0, 124578, 1258, 146789, 1689, 245679, 2569, 47\}$	
9421:82	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{13} + e^{26}, e^{28} + e^{45} + e^{36}$	$1/73(40, 22, 44, 55, 51, 62, 95, 84, 106)$	$\{0, 14689, 156789, 457\}$	
9421:91	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{16} + e^{24}, e^{25} + e^{18} + e^{46}$	$1/13(4, 7, 11, 8, 12, 11, 15, 15, 19)$	$\{0, 12358, 12578, 13569, 15679, 236789, 2689, 37\}$	
9421:93	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{23}, e^{18} + e^{27} + e^{45}$	$1/9(3, 5, 6, 7, 7, 8, 9, 11, 14)$	$\{0, 124578, 1278, 14679, 15679, 24689, 25689, 45\}$	
9421:94a	$0, 0, 0, 0, 0, -e^{12}, e^{13} + e^{24}, e^{25} + e^{16}, e^{34} + e^{56} + e^{18}$	$2/29(5, 7, 12, 10, 10, 12, 17, 17, 22)$	$\{0, 12348, 1278, 1369, 14679, 236789, 24689, 347\}$	✓
9421:94b	$0, 0, 0, 0, 0, -e^{12}, e^{24} - e^{13}, e^{25} + e^{16}, e^{34} + e^{56} + e^{18}$	$2/29(5, 7, 12, 10, 10, 12, 17, 17, 22)$	$\{0, 12348, 1278, 1369, 14679, 236789, 24689, 347\}$	✓
9421:95	$0, 0, 0, 0, 0, e^{12}, -e^{13}, e^{16} + e^{34}, e^{35} + e^{47} + e^{18}$	$1/8(2, 6, 5, 5, 7, 8, 7, 10, 12)$	$\{0, 12358, 12478, 13469, 15679, 236789, 245689, 3457\}$	
9421:107	$0, 0, 0, 0, 0, e^{12}, -e^{13}, e^{16} + e^{34}, e^{18} + e^{47} + e^{25}$	$1/225(64, 152, 147, 133, 192, 216, 211, 280, 344)$	$\{0, 12358, 124578, 134569, 15679, 236789, 24689, 347\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
9421:111	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{34} + e^{16}, e^{18} + e^{37}$	$1/39(9, 29, 14, 33, 28, 38, 42, 47, 56)$	$\{\emptyset, 12378, 1248, 134569, 15679, 235689, 2456789, 347\}$	
9421:113	$0, 0, 0, 0, 0, e^{12}, -e^{13} + e^{24}, e^{34} + e^{16}, e^{47} + e^{18} + e^{35}$	$1/92(30, 52, 67, 45, 75, 82, 97, 112, 142)$	$\{\emptyset, 236789, 245689, 3457\}$	
9421:120	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{16} + e^{34}, e^{25} + e^{18} + e^{37}$	$3/217(22, 43, 33, 54, 66, 65, 76, 87, 109)$	$\{\emptyset, 23689, 246789, 347\}$	
9421:121	$0, 0, 0, 0, 0, (-1 + a_2)e^{12}, e^{13}a_2, e^{16} + e^{23}, e^{45} + e^{36} + e^{18} + e^{27}$	$1/9(3, 5, 6, 7, 7, 8, 9, 11, 14)$	$\{\emptyset, 124578, 1278, 14679, 15679, 24689, 25689, 45\}$	
9421:122	$0, 0, 0, 0, 0, e^{12}, e^{45} - e^{13}, e^{34} + e^{16}, e^{35} + e^{47} + e^{18}$	$1/81(20, 59, 66, 33, 53, 79, 86, 99, 119)$	$\{\emptyset, 12478, 15679, 245689\}$	
9421:125	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{16} + e^{25}, e^{18} + e^{56} + e^{37}$	$1/9(3, 5, 4, 6, 6, 8, 10, 11, 14)$	$\{\emptyset, 12378, 128, 13469, 14679, 234689, 246789, 37\}$	
9421:127	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13} + e^{26}, e^{35} + e^{28} + e^{17}$	$2/53(11, 10, 20, 19, 21, 21, 30, 31, 41)$	$\{\emptyset, 1278, 145689, 245679\}$	
9421:128	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{26}, e^{28} + e^{45} + e^{17}$	$5/81(7, 6, 12, 11, 14, 13, 18, 19, 25)$	$\{\emptyset, 1278, 14689, 24679\}$	
9421:129	$0, 0, 0, 0, 0, e^{12}, -e^{13} + e^{45}, e^{16} + e^{34}, e^{23} + e^{47} + e^{18}$	$1/33(9, 22, 27, 13, 23, 31, 36, 40, 49)$	$\{\emptyset, 1238, 134569, 245689\}$	
9421:130	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{16} + e^{34}, e^{18} + e^{37} + e^{25}$	$1/207(49, 152, 76, 174, 147, 201, 223, 250, 299)$	$\{\emptyset, 134569, 15679, 347\}$	
9421:131	$0, 0, 0, 0, 0, e^{12}, -e^{13}, e^{16} + e^{34}, e^{18} + e^{26} + e^{35} + e^{47}$	$25/81(1, 2, 2, 2, 3, 3, 3, 4, 5)$	$\{\emptyset, 13469, 15679, 3457\}$	
9421:132	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{13} + e^{26}, e^{28} + e^{15} + e^{36} + e^{47}$	$5/33(4, 2, 4, 3, 6, 6, 7, 8, 10)$	$\{\emptyset, 124578, 1258, 47\}$	
9421:134	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{16}, e^{18} + e^{27} + e^{45} + e^{36}$	$5/81(6, 7, 12, 11, 14, 13, 18, 19, 25)$	$\{\emptyset, 1278, 14679, 24689\}$	
9421:136	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{26}, e^{35} + e^{46} + e^{28} + e^{17}$	$5/81(7, 6, 11, 12, 14, 13, 18, 19, 25)$	$\{\emptyset, 1278, 13689, 23679\}$	
9421:137	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{24} + e^{16}, e^{25} + e^{37} + e^{18} + e^{46}$	$5/123(8, 14, 15, 16, 24, 22, 23, 30, 38)$	$\{\emptyset, 13569, 15679, 37\}$	
9421:139	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{34} + e^{16}, e^{18} + e^{37} + e^{26}$	$1/243(73, 146, 94, 198, 177, 219, 271, 292, 365)$	$\{\emptyset, 134569, 15679, 347\}$	
9421:140	$0, 0, 0, 0, 0, -e^{12}, -e^{13}, e^{35} + e^{16} + e^{24}, e^{46} + e^{57} + e^{18}$	$1/31(10, 19, 20, 20, 19, 29, 30, 39, 49)$	$\{\emptyset, 1238, 12578, 13569, 1679, 236789, 25689, 357\}$	
9421:142	$0, 0, 0, 0, 0, -e^{12}, e^{15} + e^{34}, e^{16} + e^{23} + e^{45}, e^{36} + e^{18} + e^{47}$	$1/17(5, 11, 10, 8, 13, 16, 18, 21, 26)$	$\{\emptyset, 12478, 1258, 457\}$	
9421:144	$0, 0, 0, 0, 0, (-1 + a_2)e^{12}, e^{23} + e^{14}, e^{26} + e^{13}a_2, e^{28} + e^{36} + e^{45} + e^{17}$	$5/81(7, 6, 12, 11, 14, 13, 18, 19, 25)$	$\{\emptyset, 1278, 14689, 24679\}$	
9421:145	$0, 0, 0, 0, 0, e^{12}, -e^{13} + e^{45}, e^{16} + e^{34}, e^{35} + e^{47} + e^{18} + e^{26}$	$15/149(3, 6, 8, 4, 7, 9, 11, 12, 15)$	$\{\emptyset, 15679\}$	
9421:146	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{25} + e^{34} + e^{16}, e^{18} + e^{56} + e^{37}$	$1/157(54, 85, 81, 112, 108, 139, 166, 193, 247)$	$\{\emptyset, 23689, 246789, 347\}$	
942:55	$0, 0, 0, 0, 0, e^{12}, a_1e^{14} + e^{23}, e^{16} + e^{35}, e^{26} + e^{45}$	$1/11(5, 5, 8, 8, 7, 10, 13, 15, 15)$	$\{\emptyset, 123489, 125789, 135679, 1469, 2368, 245678, 3457\}$	✓
942:192	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16}, e^{36} + e^{45} + e^{27}$	$1/9(3, 5, 6, 7, 7, 8, 9, 11, 14)$	$\{\emptyset, 123489, 123589, 124578, 1278, 13456, 136, 14679, 15679, 2345678, 23678, 24689, 25689, 3479, 3579, 45\}$	
942:194	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26}, e^{36} + e^{27} + e^{45}$	$1/8(4, 3, 5, 6, 6, 7, 9, 10, 12)$	$\{\emptyset, 123489, 123589, 124578, 1278, 134568, 1368, 146789, 156789, 234567, 2367, 2469, 2569, 3479, 3579, 45\}$	
942:197	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45} + e^{16}, e^{27} + e^{36}$	$1/52(23, 26, 28, 36, 36, 49, 51, 72, 77)$	$\{\emptyset, 123489, 123589, 12478, 12578, 13456, 136, 145679, 1679, 234678, 235678, 24689, 25689, 34579, 379, 45\}$	
942:199	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{45}, e^{27} + e^{36}$	$1/52(26, 23, 27, 36, 36, 49, 53, 72, 76)$	$\{\emptyset, 123489, 123589, 12478, 12578, 13468, 13568, 146789, 156789, 234567, 2367, 24569, 269, 34579, 379, 45\}$	
942:213	$0, 0, 0, 0, 0, a_1e^{12}, e^{13}, e^{16} + e^{24}, e^{17} + e^{25} + e^{34}$	$1/19(7, 11, 13, 14, 16, 18, 20, 25, 27)$	$\{\emptyset, 12389, 12578, 13569, 167, 236789, 2568, 3579\}$	
942:234	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{24}, e^{45} + e^{36} + e^{27}$	$1/179(66, 93, 116, 132, 143, 159, 182, 225, 275)$	$\{\emptyset, 123589, 1278, 136, 15679, 23678, 25689, 3579\}$	
942:237	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{34}, e^{27} + e^{36} + e^{45}$	$1/106(40, 58, 63, 75, 86, 98, 103, 138, 161)$	$\{\emptyset, 123589, 124578, 13456, 15679, 23678, 24689, 3479\}$	
942:239	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{34}, e^{36} + e^{45} + e^{27}$	$2/31(8, 6, 9, 11, 12, 14, 17, 20, 23)$	$\{\emptyset, 123589, 124578, 1368, 146789, 234567, 2569, 3479\}$	
942:262	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{34} + e^{26}, e^{27} + e^{36} + e^{15}$	$1/12(6, 5, 6, 10, 11, 11, 12, 16, 17)$	$\{\emptyset, 12389, 124578, 13568, 146789, 23467, 2569, 34579\}$	
942:268	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{14} + e^{26}, e^{36} + e^{27}$	$1/61(29, 27, 30, 54, 53, 56, 59, 83, 86)$	$\{\emptyset, 12389, 12578, 1368, 156789, 23567, 269, 3579\}$	
942:270	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{16} + e^{24}, e^{27} + e^{36}$	$1/22(10, 10, 11, 20, 19, 20, 21, 30, 31)$	$\{\emptyset, 12389, 12578, 1356, 1679, 23678, 25689, 3579\}$	
942:277	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{26} + e^{17}, e^{27} + e^{36} + e^{45}$	$1/109(41, 54, 67, 81, 81, 95, 108, 149, 162)$	$\{\emptyset, 123489, 123589, 134568, 1368, 2469, 2569, 45\}$	
942:278	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{27} + e^{36}, e^{17} + e^{26} + e^{45}$	$1/31(14, 15, 16, 22, 22, 29, 30, 45, 44)$	$\{\emptyset, 123489, 123589, 13469, 13569, 24568, 268, 45\}$	
942:279a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{37} + e^{26}, e^{36} + e^{27} + e^{45}$	$1/28(14, 13, 13, 20, 20, 27, 27, 40, 40)$	$\{\emptyset, 123489, 123589, 124578, 1278, 134568, 1368, 146789, 156789, 234567, 2367, 2469, 2569, 3479, 3579, 45\}$	✓
942:279b	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{37} - e^{26}, e^{45} + e^{36} + e^{27}$	$1/28(14, 13, 13, 20, 20, 27, 27, 40, 40)$	$\{\emptyset, 123489, 123589, 124578, 1278, 134568, 1368, 146789, 156789, 234567, 2367, 2469, 2569, 3479, 3579, 45\}$	✓
942:280a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{27} + e^{36}, e^{26} + e^{37} + e^{45}$	$1/28(14, 13, 13, 20, 20, 27, 27, 40, 40)$	$\{\emptyset, 123489, 123589, 12479, 12579, 13469, 13569, 146789, 156789, 234567, 2367, 24568, 268, 34578, 378, 45\}$	✓
942:280b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{36} - e^{27}, e^{37} + e^{45} + e^{26}$	$1/28(14, 13, 13, 20, 20, 27, 27, 40, 40)$	$\{\emptyset, 123489, 123589, 12479, 12579, 13469, 13569, 146789, 156789, 234567, 2367, 24568, 268, 34578, 378, 45\}$	✓

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
942:285a	$0, 0, 0, 0, 0, e^{12}, e^{13}, a_1 e^{25} + e^{34} + e^{16}, e^{24} + e^{35} + e^{17}$	$1/13(5, 8, 8, 10, 10, 13, 13, 18, 18)$	$\{0, 12389, 12478, 13469, 167, 236789, 2468, 3479\}$	✓
942:285b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, a_1 e^{25} + e^{16} + e^{34}, e^{24} + e^{17} + e^{35}$	$1/13(5, 8, 8, 10, 10, 13, 13, 18, 18)$	$\{0, 12389, 12478, 13469, 167, 236789, 2468, 3479\}$	✓
942:290	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{16} + e^{35} + e^{24}, e^{27} + e^{36} + e^{45}$	$1/178(70, 94, 105, 140, 129, 164, 175, 234, 269)$	$\{0, 23678, 25689, 3579\}$	
942:301	$0, 0, 0, 0, 0, a_1 e^{12}, e^{13}, e^{35} + e^{16} + e^{24}, e^{17} + e^{34} + e^{26}$	$1/14(6, 7, 8, 12, 11, 13, 14, 19, 20)$	$\{0, 12389, 13569, 2568\}$	
942:309a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{36} + e^{27} + e^{14}, e^{37} + e^{26} + e^{15}$	$1/32(14, 15, 15, 30, 30, 29, 29, 44, 44)$	$\{0, 12389, 12479, 13469, 16789, 2367, 2468, 3478\}$	✓
942:309b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{14} - e^{27} + e^{36}, e^{37} + e^{26} + e^{15}$	$1/32(14, 15, 15, 30, 30, 29, 29, 44, 44)$	$\{0, 12389, 12479, 13469, 16789, 2367, 2468, 3478\}$	✓
942:310	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{27} + e^{36} + e^{14}, e^{16} + e^{37} + e^{25}$	$1/71(31, 35, 33, 68, 62, 66, 64, 99, 97)$	$\{0, 12389, 12479, 3478\}$	
942:362	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{16}, e^{17} + e^{36} + e^{25}$	$1/13(4, 7, 8, 11, 12, 11, 15, 15, 19)$	$\{0, 123489, 12578, 1367, 14569, 23568, 246789, 34579\}$	
942:364	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{16}, e^{27} + e^{36} + e^{45}$	$1/69(28, 29, 48, 47, 58, 57, 76, 85, 105)$	$\{0, 123489, 1278, 136, 14679, 23678, 24689, 3479\}$	
942:365	$0, 0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15} + e^{26}, e^{36} + e^{17}$	$1/179(57, 84, 116, 143, 168, 141, 200, 225, 257)$	$\{0, 123489, 1278, 13678, 14689, 236, 24679, 3479\}$	
942:367	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{35} + e^{16}, e^{17} + e^{36}$	$1/179(55, 116, 83, 144, 143, 171, 199, 226, 254)$	$\{0, 123489, 12578, 13567, 1469, 2368, 2456789, 34579\}$	
942:368	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{35} + e^{16}, e^{27} + e^{36}$	$1/59(31, 19, 33, 45, 48, 50, 64, 81, 83)$	$\{0, 123489, 12578, 1356, 14679, 23678, 245689, 34579\}$	
942:369	$0, 0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{16} + e^{35}, e^{17} + e^{46}$	$1/17(7, 9, 11, 9, 12, 16, 18, 23, 25)$	$\{0, 123489, 12578, 13569, 1467, 236789, 24568, 34579\}$	
942:370	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{16} + e^{35}, e^{27} + e^{46}$	$1/19(9, 8, 12, 11, 14, 17, 20, 26, 28)$	$\{0, 123489, 12578, 135679, 146, 23689, 245678, 34579\}$	
942:390	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{35} + e^{16}, e^{36} + e^{25} + e^{17}$	$1/61(19, 39, 29, 49, 48, 58, 68, 77, 87)$	$\{0, 123489, 12578, 34579\}$	
942:391a	$0, 0, 0, 0, 0, -e^{12}, e^{13} + e^{24}, e^{26} + e^{15}, e^{17} + e^{46} + e^{35}$	$4/29(3, 3, 5, 5, 6, 6, 8, 9, 11)$	$\{0, 123489, 1278, 13689, 14678, 23679, 246, 3479\}$	✓
942:391b	$0, 0, 0, 0, 0, -e^{12}, e^{24} - e^{13}, e^{26} + e^{15}, e^{17} + e^{46} + e^{35}$	$4/29(3, 3, 5, 5, 6, 6, 8, 9, 11)$	$\{0, 123489, 1278, 13689, 14678, 23679, 246, 3479\}$	✓
942:392	$0, 0, 0, 0, 0, -e^{12}, e^{13} a_2 + e^{24}, e^{16} + e^{25}, e^{17} + e^{35} + e^{46}$	$1/8(3, 4, 6, 5, 6, 7, 9, 10, 12)$	$\{0, 123489, 1278, 1369, 1467, 236789, 2468, 3479\}$	
942:395	$0, 0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{35} + e^{16}, e^{36} + e^{45} + e^{17}$	$2/61(11, 17, 17, 23, 22, 28, 34, 39, 45)$	$\{0, 123489, 1469, 2368\}$	
942:396	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{35} + e^{16}, e^{36} + e^{27} + e^{45}$	$1/417(203, 157, 249, 295, 314, 360, 452, 563, 609)$	$\{0, 123489, 14679, 23678\}$	
942:408	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{26} + e^{13}, e^{15} + e^{27} + e^{46}$	$1/71(35, 26, 52, 43, 69, 61, 78, 87, 104)$	$\{0, 12578, 14568, 2467\}$	
942:411	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{16} + e^{34}, e^{27} + e^{15} + e^{36}$	$1/73(34, 27, 44, 51, 71, 61, 78, 95, 105)$	$\{0, 23678, 245689, 34579\}$	
942:412	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{16} + e^{34}, e^{17} + e^{25} + e^{36}$	$1/111(40, 61, 60, 81, 100, 101, 121, 141, 161)$	$\{0, 23568, 246789, 34579\}$	
942:414	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{16}, e^{45} + e^{36} + e^{27}$	$3/14(2, 2, 3, 3, 4, 4, 5, 6, 7)$	$\{0, 23678, 24689, 3479\}$	
942:420	$0, 0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{35} + e^{16}, e^{24} + e^{36} + e^{17}$	$1/148(47, 94, 70, 117, 118, 141, 164, 188, 211)$	$\{0, 13567, 1469, 34579\}$	
942:422	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{26} + e^{34} + e^{15}, e^{36} + e^{17}$	$1/178(62, 86, 105, 129, 172, 148, 191, 234, 253)$	$\{0, 13678, 14689, 3479\}$	
942:423	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{35} + e^{16} + e^{24}, e^{17} + e^{36}$	$1/178(64, 105, 87, 128, 146, 169, 192, 233, 256)$	$\{0, 12578, 13567, 2368\}$	
942:429	$0, 0, 0, 0, 0, -e^{12}, -e^{14} + e^{23}, e^{17} + e^{36}, e^{27} + e^{35} + e^{46}$	$1/31(12, 14, 17, 19, 28, 26, 31, 43, 45)$	$\{0, 123489, 127, 13679, 1468, 2369, 24678, 34789\}$	
942:436	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{16} + e^{25} + e^{34}, e^{36} + e^{15} + e^{27}$	$13/109(4, 3, 5, 6, 8, 7, 9, 11, 12)$	$\{0, 23678\}$	
942:438	$0, 0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{16} + e^{45} + e^{23}, e^{17} + e^{46} + e^{35}$	$7/38(2, 3, 4, 3, 4, 5, 6, 7, 8)$	$\{0, 2468\}$	
942:439	$0, 0, 0, 0, 0, -e^{12}, e^{13} a_2 + e^{24}, e^{16} + e^{25} + e^{34}, e^{17} + e^{35} + e^{46}$	$2/31(6, 8, 11, 9, 12, 14, 17, 20, 23)$	$\{0, 236789, 2468, 3479\}$	
942:442a	$0, 0, 0, 0, 0, -e^{12}, e^{24} - e^{13}, e^{35} + e^{46} + e^{17}, e^{36} + e^{45} + e^{27}$	$1/7(3, 3, 4, 4, 6, 6, 7, 10, 10)$	$\{0, 123489, 127, 1368, 14679, 23678, 2469, 34789\}$	
942:442b	$0, 0, 0, 0, 0, -e^{12}, e^{24} - e^{13}, -e^{35} + e^{17} + e^{46}, e^{36} + e^{27} + e^{45}$	$1/7(3, 3, 4, 4, 6, 6, 7, 10, 10)$	$\{0, 123489, 127, 1368, 14679, 23678, 2469, 34789\}$	
942:445a	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{24}, e^{27} + e^{16}, e^{17} + e^{35} + e^{26}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 1369, 1478, 2379, 2468, 346789\}$	
942:445b	$0, 0, 0, 0, 0, e^{14} + e^{23}, -e^{13} + e^{24}, e^{27} - e^{16}, e^{26} + e^{35} + e^{17}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 1369, 1478, 2379, 2468, 346789\}$	
942:446a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{23} + e^{14}, e^{27} + e^{16}, e^{17} + e^{26} + e^{35}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 13578, 14569, 23568, 24579, 346789\}$	
942:446b	$0, 0, 0, 0, 0, e^{24} + e^{13}, -e^{14} + e^{23}, -e^{16} + e^{27}, e^{17} + e^{26} + e^{35}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 13578, 14569, 23568, 24579, 346789\}$	
942:447a	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{24}, e^{27} + e^{16}, e^{15} + e^{36} + e^{47}$	$1/81(37, 37, 39, 39, 78, 76, 76, 113, 115)$	$\{0, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
942:447b	$0, 0, 0, 0, 0, -e^{14} - e^{23}, -e^{13} + e^{24}, e^{16} + e^{27}, e^{15} + e^{47} + e^{36}$	$1/81(37, 37, 39, 39, 78, 76, 76, 113, 115)$	$\{0, 123489, 12679, 1356, 14578, 23579, 245689, 34678\}$	
942:448a	$0, 0, 0, 0, 0, e^{23} + e^{14}, e^{24} + e^{13}, e^{27} + e^{16}, e^{37} + e^{46} + e^{15}$	$1/81(37, 37, 39, 39, 78, 76, 76, 113, 115)$	$\{0, 123489, 12679, 1369, 14789, 237, 2468, 34678\}$	
942:448b	$0, 0, 0, 0, 0, -e^{14} + e^{23}, e^{24} + e^{13}, e^{27} + e^{16}, e^{46} + e^{37} + e^{15}$	$1/81(37, 37, 39, 39, 78, 76, 76, 113, 115)$	$\{0, 123489, 12679, 1369, 14789, 237, 2468, 34678\}$	
942:455a	$0, 0, 0, 0, 0, -e^{24} + e^{13}, e^{12} + e^{34}, e^{37} + e^{15} + e^{26}, e^{47} + e^{16} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1256, 13579, 14678, 23679, 24578, 345689\}$	
942:455b	$0, 0, 0, 0, 0, -e^{24} + e^{13}, e^{12} + e^{34}, e^{37} + e^{26} - e^{15}, e^{25} + e^{16} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1256, 13579, 14678, 23679, 24578, 345689\}$	
942:455c	$0, 0, 0, 0, 0, -e^{13} + e^{24}, e^{34} - e^{12}, e^{37} + e^{26} + e^{15}, e^{47} + e^{25} + e^{16}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1256, 13579, 14678, 23679, 24578, 345689\}$	
942:455d	$0, 0, 0, 0, 0, -e^{13} + e^{24}, -e^{12} + e^{34}, e^{26} - e^{15} + e^{37}, e^{47} + e^{16} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 1256, 13579, 14678, 23679, 24578, 345689\}$	
942:456a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{34} - e^{12}, e^{15} + e^{27} + e^{36}, e^{16} + e^{25} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 14678, 23679\}$	
942:456b	$0, 0, 0, 0, 0, e^{24} - e^{13}, e^{34} - e^{12}, e^{15} + e^{36} + e^{27}, e^{16} + e^{25} + e^{47}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 14678, 23679\}$	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
942:457a	$0, 0, 0, 0, 0, -e^{13} + e^{24}, e^{12} + e^{34}, e^{27} + e^{15} + e^{36}, e^{17} + e^{25} + e^{46}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12689, 1378, 14678, 23679, 2479, 346\}$	
942:457b	$0, 0, 0, 0, 0, e^{24} - e^{13}, e^{34} + e^{12}, e^{27} + e^{36} - e^{15}, e^{46} + e^{25} + e^{17}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12689, 1378, 14678, 23679, 2479, 346\}$	
942:457c	$0, 0, 0, 0, 0, e^{24} - e^{13}, -e^{12} + e^{34}, e^{36} + e^{15} + e^{27}, e^{46} + e^{17} + e^{25}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12689, 1378, 14678, 23679, 2479, 346\}$	
942:457d	$0, 0, 0, 0, 0, e^{24} - e^{13}, -e^{12} + e^{34}, e^{36} + e^{27} - e^{15}, e^{46} + e^{25} + e^{17}$	$8/17(1, 1, 1, 1, 2, 2, 2, 3, 3)$	$\{0, 123489, 12689, 1378, 14678, 23679, 2479, 346\}$	
942:458a	$0, 0, 0, 0, 0, a_1 e^{23} + e^{14}, a_1 e^{13} + e^{24}, e^{26} + e^{17} + e^{35}, e^{16} + e^{45} + e^{27}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 1368, 1479, 2378, 2469, 346789\}$	
942:458b	$0, 0, 0, 0, 0, a_1 e^{23} - e^{14}, a_1 e^{13} + e^{24}, e^{35} - e^{17} + e^{26}, e^{45} + e^{16} + e^{27}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 1368, 1479, 2378, 2469, 346789\}$	
942:459a	$0, 0, 0, 0, 0, a_3 e^{23} + e^{14}, a_3 e^{13} + e^{24}, e^{27} + e^{16} + e^{35}, e^{17} + e^{26} + e^{45}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 13569, 14578, 23579, 24568, 346789\}$	
942:459b	$0, 0, 0, 0, 0, a_3 e^{23} + e^{14}, -a_3 e^{13} + e^{24}, -e^{16} + e^{27} + e^{35}, e^{17} + e^{26} + e^{45}$	$1/5(2, 2, 3, 3, 4, 5, 5, 7, 7)$	$\{0, 123489, 1267, 13569, 14578, 23579, 24568, 346789\}$	
941:217	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14}, e^{45} + e^{36} + e^{27}$	$1/7(3, 4, 4, 5, 6, 7, 7, 8, 11)$	$\{0, 12349, 123589, 12457, 1278, 13456, 1368, 14679, 156789, 2345678, 2367, 24689, 2569, 34789, 3579, 458\}$	
941:220	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{27} + e^{36} + e^{45}$	$1/13(7, 6, 7, 9, 11, 13, 14, 15, 20)$	$\{0, 12349, 123589, 12457, 1278, 134568, 136, 146789, 15679, 234567, 23678, 2469, 25689, 34789, 3579, 458\}$	
941:224	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{25}, e^{36} + e^{27}$	$1/13(6, 6, 7, 11, 11, 12, 13, 17, 19)$	$\{0, 123459, 12389, 12457, 1278, 1346, 13568, 14679, 156789, 234678, 23567, 24689, 2569, 345789, 379, 458\}$	
941:230	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24} + e^{35}, e^{27} + e^{36}$	$1/7(4, 3, 3, 6, 6, 7, 7, 9, 10)$	$\{0, 123459, 12389, 1247, 12578, 13468, 1356, 1456789, 1679, 234567, 23678, 2469, 25689, 34789, 3579, 458\}$	
941:239	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{23}, e^{27} + e^{36} + e^{45}$	$5/19(2, 2, 2, 3, 3, 4, 4, 4, 6)$	$\{0, 12349, 12359, 124578, 1278, 134568, 1368, 14679, 15679, 234567, 2367, 24689, 25689, 34789, 35789, 45\}$	
941:245	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{24}, e^{27} + e^{15} + e^{36}$	$1/19(10, 8, 10, 15, 18, 18, 20, 23, 28)$	$\{0, 12349, 12389, 12457, 12578, 134568, 1356, 146789, 1679, 23467, 23678, 24569, 25689, 345789, 3579, 48\}$	
941:250	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{27} + e^{36} + e^{45}$	$1/61(29, 30, 34, 47, 46, 59, 63, 76, 93)$	$\{0, 12457, 1278, 14679, 156789, 24689, 2569, 458\}$	
941:253	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{35} + e^{24}, e^{36} + e^{45} + e^{27}$	$1/61(34, 29, 29, 46, 46, 63, 63, 75, 92)$	$\{0, 234567, 23678, 2469, 25689, 34789, 3579, 458\}$	
941:275	$0, 0, 0, 0, 0, (-1 + a_2)e^{12}, a_2 e^{13}, e^{23}, e^{45} + e^{36} + e^{18} + e^{27}$	$5/19(2, 2, 2, 3, 3, 4, 4, 4, 6)$	$\{0, 12349, 12359, 124578, 1278, 134568, 1368, 14679, 15679, 234567, 2367, 24689, 25689, 34789, 35789, 45\}$	
941:293	$0, 0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15}, e^{36} + e^{17}$	$1/13(4, 8, 7, 11, 11, 12, 15, 15, 19)$	$\{0, 123459, 123489, 1257, 1278, 13567, 13678, 14569, 14689, 23568, 236, 2456789, 24679, 345789, 3479, 58\}$	
941:294	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15}, e^{36} + e^{27}$	$1/8(4, 3, 5, 6, 6, 7, 9, 10, 12)$	$\{0, 123459, 123489, 1257, 1278, 1356, 1368, 145679, 146789, 235678, 2367, 245689, 2469, 345789, 3479, 58\}$	
941:295	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{35}, e^{36} + e^{17}$	$1/9(3, 6, 4, 7, 7, 9, 10, 11, 13)$	$\{0, 123459, 123489, 12578, 127, 13567, 13678, 145689, 1469, 2356, 2368, 2456789, 24679, 34579, 34789, 58\}$	
941:296	$0, 0, 0, 0, 0, -e^{12}, e^{13} + e^{24}, e^{35}, e^{17} + e^{46}$	$1/52(23, 28, 32, 27, 36, 51, 55, 68, 78)$	$\{0, 123459, 123489, 12578, 127, 13569, 13689, 145678, 1467, 235679, 236789, 24568, 246, 34579, 34789, 58\}$	
941:313	$0, 0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15} + e^{23}, e^{17} + e^{46}$	$1/51(19, 27, 37, 29, 45, 46, 56, 64, 75)$	$\{0, 123459, 1278, 13689, 14567, 23679, 24568, 345789\}$	
941:315	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{34} + e^{15}, e^{36} + e^{17}$	$1/61(21, 38, 29, 46, 54, 59, 67, 75, 88)$	$\{0, 123459, 1257, 13678, 14689, 23568, 2456789, 3479\}$	
941:316	$0, 0, 0, 0, 0, e^{12}, e^{13} + e^{24}, e^{14} + e^{35}, e^{27} + e^{36}$	$1/106(63, 40, 51, 74, 86, 103, 114, 137, 154)$	$\{0, 123459, 12578, 1368, 14679, 23567, 245689, 34789\}$	
941:317	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{15} + e^{34}, e^{36} + e^{27}$	$2/31(8, 6, 9, 11, 12, 14, 17, 20, 23)$	$\{0, 123459, 1257, 1368, 146789, 235678, 245689, 3479\}$	
941:320	$0, 0, 0, 0, 0, -e^{12}, e^{13} + e^{24}, e^{15}, e^{46} + e^{35} + e^{17}$	$1/61(23, 36, 47, 34, 46, 59, 70, 69, 93)$	$\{0, 123489, 1278, 13689, 14678, 23679, 246, 3479\}$	
941:323	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{35}, e^{45} + e^{36} + e^{17}$	$1/179(66, 116, 83, 133, 132, 182, 189, 215, 265)$	$\{0, 123489, 127, 13678, 1469, 2368, 24679, 34789\}$	
941:326a	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{24}, e^{15}, e^{16} + e^{27}$	$1/53(20, 20, 37, 37, 43, 57, 57, 63, 77)$	$\{0, 123459, 123489, 12567, 12678, 1356, 1368, 14579, 14789, 23578, 237, 245689, 2469, 3456789, 34679, 58\}$	✓
941:326b	$0, 0, 0, 0, 0, e^{23} - e^{14}, e^{24} + e^{13}, e^{15}, e^{27} + e^{16}$	$1/53(20, 20, 37, 37, 43, 57, 57, 63, 77)$	$\{0, 123459, 123489, 12567, 12678, 1356, 1368, 14579, 14789, 23578, 237, 245689, 2469, 3456789, 34679, 58\}$	✓
941:327a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{12} + e^{34}, e^{15}, e^{37} + e^{26}$	$1/28(16, 13, 13, 16, 20, 29, 29, 36, 42)$	$\{0, 123459, 123489, 1256, 1268, 1357, 1378, 145679, 146789, 235678, 2367, 245789, 2479, 345689, 3469, 58\}$	✓
941:327b	$0, 0, 0, 0, 0, e^{13} - e^{24}, e^{12} + e^{34}, e^{15}, e^{37} + e^{26}$	$1/28(16, 13, 13, 16, 20, 29, 29, 36, 42)$	$\{0, 123459, 123489, 1256, 1268, 1357, 1378, 145679, 146789, 235678, 2367, 245789, 2479, 345689, 3469, 58\}$	✓

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S ₀	S = S ₀
941:328a	$0, 0, 0, 0, 0, e^{34} + e^{12}, e^{24} + e^{13}, e^{15}, e^{26} + e^{37}$	1/28(16, 13, 13, 16, 20, 29, 29, 36, 42)	{0, 123459, 123489, 12579, 12789, 13569, 13689, 145679, 146789, 235678, 2367, 24568, 246, 34578, 347, 58}	✓
941:328b	$0, 0, 0, 0, 0, e^{34} - e^{12}, e^{24} + e^{13}, e^{15}, e^{26} + e^{37}$	1/28(16, 13, 13, 16, 20, 29, 29, 36, 42)	{0, 123459, 123489, 12579, 12789, 13569, 13689, 145679, 146789, 235678, 2367, 24568, 246, 34578, 347, 58}	✓
941:340	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{13}, e^{35} + e^{46} + e^{27}$	1/22(11, 10, 14, 13, 20, 21, 24, 25, 34)	{0, 12349, 1278, 13679, 1468, 23689, 2467, 34789}	
941:341	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34}, e^{36} + e^{27} + e^{15}$	1/12(7, 5, 6, 8, 11, 12, 13, 14, 18)	{0, 12349, 1257, 13568, 146789, 23678, 245689, 34579}	
941:342	$0, 0, 0, 0, 0, -e^{12}, e^{13} + e^{24}, e^{34}, e^{17} + e^{46} + e^{35}$	3/61(9, 12, 13, 10, 18, 21, 22, 23, 31)	{0, 12349, 127, 13689, 14678, 236789, 2468, 3479}	
941:349	$0, 0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15} + e^{23}, e^{46} + e^{35} + e^{17}$	1/184(75, 97, 128, 106, 150, 172, 203, 225, 278)	{0, 1278, 13689, 23679}	
941:352	$0, 0, 0, 0, 0, -e^{12}, e^{23} + e^{14}, e^{15} + e^{34}, e^{17} + e^{25} + e^{36}$	1/71(26, 43, 35, 52, 61, 69, 78, 87, 104)	{0, 1257, 13678, 23568}	
941:353	$0, 0, 0, 0, 0, -e^{12}, e^{24} + e^{13}, e^{15} + e^{34}, e^{17} + e^{35} + e^{46}$	1/10(4, 6, 7, 5, 8, 10, 11, 12, 15)	{0, 13689, 14678, 3479}	
941:354	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{45} + e^{13}, e^{46} + e^{35} + e^{27}$	1/178(105, 70, 122, 87, 140, 175, 192, 227, 262)	{0, 13679, 1468, 34789}	
941:359a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{34} - e^{12}, e^{15} + e^{23}, e^{16} + e^{47}$	1/113(47, 71, 71, 47, 95, 118, 118, 142, 165)	{0, 123459, 1268, 13789, 14567, 23679, 24578, 345689}	✓
941:359b	$0, 0, 0, 0, 0, e^{24} - e^{13}, e^{34} - e^{12}, e^{15} + e^{23}, e^{47} + e^{16}$	1/113(47, 71, 71, 47, 95, 118, 118, 142, 165)	{0, 123459, 1268, 13789, 14567, 23679, 24578, 345689}	✓
941:360a	$0, 0, 0, 0, 0, e^{14} + e^{23}, -e^{12} + e^{34}, e^{15}, e^{25} + e^{16} + e^{37}$	1/89(35, 61, 35, 61, 70, 96, 96, 105, 131)	{0, 123489, 1256, 13678, 14579, 23578, 24679, 345689}	✓
941:360b	$0, 0, 0, 0, 0, -e^{14} + e^{23}, -e^{12} + e^{34}, e^{15}, e^{16} + e^{25} + e^{37}$	1/89(35, 61, 35, 61, 70, 96, 96, 105, 131)	{0, 123489, 1256, 13678, 14579, 23578, 24679, 345689}	✓
941:361a	$0, 0, 0, 0, 0, e^{23} + e^{14}, e^{12} + e^{34}, e^{15}, e^{36} + e^{17} + e^{25}$	1/89(35, 61, 35, 61, 70, 96, 96, 105, 131)	{0, 123489, 12689, 13678, 1478, 2379, 24679, 346}	✓
941:361b	$0, 0, 0, 0, 0, e^{14} + e^{23}, -e^{12} + e^{34}, e^{15}, e^{36} + e^{25} + e^{17}$	1/89(35, 61, 35, 61, 70, 96, 96, 105, 131)	{0, 123489, 12689, 13678, 1478, 2379, 24679, 346}	✓
941:373a	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{24}, e^{12}, e^{15} + e^{47} + e^{36}$	1/23(13, 13, 11, 11, 22, 24, 24, 26, 35)	{0, 12349, 12679, 13568, 14578, 235789, 245689, 3467}	✓
941:373b	$0, 0, 0, 0, 0, -e^{23} + e^{14}, e^{24} + e^{13}, e^{12}, e^{36} + e^{47} + e^{15}$	1/23(13, 13, 11, 11, 22, 24, 24, 26, 35)	{0, 12349, 12679, 13568, 14578, 235789, 245689, 3467}	✓
941:374a	$0, 0, 0, 0, 0, e^{23} + e^{14}, e^{24} + e^{13}, e^{12}, e^{15} + e^{37} + e^{46}$	1/23(13, 13, 11, 11, 22, 24, 24, 26, 35)	{0, 12349, 12679, 13689, 14789, 2378, 2468, 3467}	✓
941:374b	$0, 0, 0, 0, 0, -e^{14} + e^{23}, e^{24} + e^{13}, e^{12}, e^{46} + e^{15} + e^{37}$	1/23(13, 13, 11, 11, 22, 24, 24, 26, 35)	{0, 12349, 12679, 13689, 14789, 2378, 2468, 3467}	✓
941:380a	$0, 0, 0, 0, 0, e^{23} + e^{14}, e^{12} + e^{34}, e^{13} + e^{25}, e^{47} + e^{15} + e^{26}$	37/177(3, 2, 3, 2, 4, 5, 5, 6, 7)	{0, 13679, 14578, 345689}	✓
941:380b	$0, 0, 0, 0, 0, e^{14} - e^{23}, e^{12} + e^{34}, e^{13} + e^{25}, e^{47} + e^{26} + e^{15}$	37/177(3, 2, 3, 2, 4, 5, 5, 6, 7)	{0, 13679, 14578, 345689}	✓
941:381a	$0, 0, 0, 0, 0, e^{14} - e^{23}, e^{12} + e^{34}, e^{13} + e^{25}, e^{15} + e^{46} + e^{27}$	37/177(3, 2, 3, 2, 4, 5, 5, 6, 7)	{0, 12689, 13679, 2378}	✓
941:381b	$0, 0, 0, 0, 0, -e^{23} - e^{14}, e^{34} + e^{12}, e^{25} + e^{13}, e^{27} + e^{46} + e^{15}$	37/177(3, 2, 3, 2, 4, 5, 5, 6, 7)	{0, 12689, 13679, 2378}	✓
941:408a	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{14} + e^{23}, e^{25} + e^{38}, e^{47} + e^{16}$	5/32(3, 4, 3, 4, 6, 7, 6, 7, 10)	{0, 12349, 12789, 1368, 1467, 23679, 24689, 3478}	
941:408b	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{23} + e^{14}, e^{25} + e^{16} + e^{38} + e^{47}$	5/32(3, 4, 3, 4, 6, 7, 6, 7, 10)	{0, 12349, 12789, 1368, 1467, 23679, 24689, 3478}	
941:409	$0, 0, 0, 0, 0, a_1 e^{12}, (1 + a_1) e^{13}, e^{23} + e^{14}, e^{27} + e^{18} + e^{36} + e^{45}$	1/7(3, 4, 4, 5, 6, 7, 7, 8, 11)	{0, 12349, 1278, 1368, 14679, 2367, 24689, 34789}	
941:410	$0, 0, 0, 0, 0, e^{12}, e^{34}, e^{24} - e^{13}, e^{17} + e^{26} + e^{35} + e^{48}$	5/148(14, 16, 17, 15, 29, 30, 32, 31, 46)	{0, 12349, 1278, 1367, 14689, 2368, 24679, 34789}	
941:414a	$0, 0, 0, 0, 0, (-1 + a_2) e^{12}, e^{14} + e^{23}, a_2 e^{13} + e^{24}, e^{28} + e^{36} + e^{45} + e^{17}$	5/32(3, 3, 4, 4, 6, 6, 7, 7, 10)	{0, 12349, 1278, 1367, 14689, 2368, 24679, 34789}	
941:414b	$0, 0, 0, 0, 0, (-1 + a_2) e^{12}, e^{23} - e^{14}, a_2 e^{13} + e^{24}, e^{28} + e^{17} + e^{36} + e^{45}$	5/32(3, 3, 4, 4, 6, 6, 7, 7, 10)	{0, 12349, 1278, 1367, 14689, 2368, 24679, 34789}	
941:417	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{23} + e^{15}, e^{14}, e^{17} + e^{26}$	1/31(11, 12, 23, 22, 24, 34, 35, 33, 46)	{0, 123459, 12678, 1378, 14569, 236, 245789, 3456789}	
941:418	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{12} + e^{35}, e^{14}, e^{37} + e^{26}$	1/28(18, 13, 11, 16, 20, 29, 31, 34, 42)	{0, 123459, 1268, 1378, 145679, 2367, 245789, 345689}	
941:419	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{25}, e^{45}, e^{16} + e^{27}$	1/16(7, 7, 10, 10, 10, 17, 17, 20, 24)	{0, 123459, 1267, 136, 14579, 237, 24569, 345679}	
941:422	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{25}, e^{15} + e^{24}, e^{27} + e^{16}$	7/19(1, 1, 2, 2, 2, 3, 3, 3, 4)	{0, 123459, 12678, 3456789}	
941:428	$0, 0, 0, 0, 0, e^{34} - e^{12}, e^{15} + e^{23}, e^{14}, e^{17} + e^{25} + e^{36}$	1/317(116, 232, 125, 223, 241, 348, 357, 339, 473)	{0, 13678, 14569, 345789}	
941:441	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{45}, e^{36} + e^{48} + e^{27}$	1/60(30, 33, 33, 28, 40, 63, 63, 68, 96)	{0, 123459, 123589, 12478, 127, 13468, 136, 145679, 156789, 234678, 2367, 24569, 25689, 34579, 35789, 48}	
941:442	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{17} + e^{28} + e^{46}$	1/7(3, 3, 5, 5, 5, 6, 8, 8, 11)	{0, 123459, 1278, 135689, 1467, 235679, 2468, 345789}	
941:443	$0, 0, 0, 0, 0, -e^{12}, e^{13}, e^{15} + e^{24}, e^{37} + e^{46} + e^{18}$	1/225(80, 139, 136, 133, 192, 219, 216, 272, 352)	{0, 123459, 124579, 13569, 15679, 23467, 246, 37}	
941:444	$0, 0, 0, 0, 0, e^{12}, e^{13}, e^{25} + e^{14}, e^{28} + e^{37} + e^{46}$	1/40(20, 17, 22, 27, 30, 37, 42, 47, 64)	{0, 123459, 124579, 135689, 156789, 234678, 2468, 37}	
941:445	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{15} + e^{23}, e^{47} + e^{36} + e^{18}$	1/49(19, 33, 24, 26, 38, 52, 50, 57, 76)	{0, 123459, 123579, 12478, 128, 34589, 35789, 47}	
941:447	$0, 0, 0, 0, 0, -e^{12}, -e^{13}, e^{35} + e^{24}, e^{18} + e^{46} + e^{57}$	1/5(2, 3, 3, 3, 3, 5, 5, 6, 8)	{0, 123459, 1238, 12479, 12578, 13468, 13569, 145678, 1679, 234567, 236789, 246, 25689, 34789, 357, 4589}	
941:448a	$0, 0, 0, 0, 0, -e^{12}, e^{34}, e^{13} + e^{25}, e^{47} + e^{18} + e^{56}$	1/65(32, 35, 40, 32, 37, 67, 72, 72, 104)	{0, 123459, 123579, 12478, 128, 13469, 13679, 145678, 1568, 234689, 236789, 24567, 256, 34589, 35789, 47}	

Table A.4 – Continued to next page

Table A.4 – Continued from previous page

Name	g	N	S_0	$S = S_0$
941:448b	$0, 0, 0, 0, 0, -e^{12}, e^{34}, -e^{13} + e^{25}, e^{18} + e^{56} + e^{47}$	$1/65(32, 35, 40, 32, 37, 67, 72, 72, 104)$	$\{\emptyset, 123459, 123579, 12478, 128, 13469, 13679, 145678, 1568, 234689, 236789, 24567, 256, 34589, 35789, 47\}$	
941:452	$0, 0, 0, 0, 0, (-1 + a_2)e^{12}, e^{23} + e^{14}, a_2e^{13} + e^{25}, e^{17} + e^{28} + e^{36}$	$1/7(3, 3, 5, 5, 5, 6, 8, 8, 11)$	$\{\emptyset, 123459, 1278, 1367, 145689, 2368, 245679, 345789\}$	
941:453	$0, 0, 0, 0, 0, e^{12}, e^{23} + e^{14}, e^{15} + e^{34}, e^{18} + e^{26} + e^{37}$	$1/175(65, 103, 84, 122, 141, 168, 187, 206, 271)$	$\{\emptyset, 123459, 12579, 347\}$	
941:455	$0, 0, 0, 0, 0, e^{12}, e^{14} + e^{23}, e^{13} + e^{45}, e^{48} + e^{26} + e^{37}$	$7/116(10, 8, 9, 7, 12, 18, 17, 19, 26)$	$\{\emptyset, 123459, 125789, 3478\}$	
941:458	$0, 0, 0, 0, 0, e^{12}, e^{24} + e^{13}, e^{34} + e^{15}, e^{28} + e^{37} + e^{56}$	$1/55(30, 24, 29, 35, 34, 54, 59, 64, 88)$	$\{\emptyset, 123459, 12579, 13689, 146789, 235678, 24568, 347\}$	
941:459a	$0, 0, 0, 0, 0, e^{14} + e^{23}, e^{24} + e^{13}, e^{15}, e^{16} + e^{27} + e^{58}$	$2/131(28, 28, 46, 46, 37, 74, 74, 65, 102)$	$\{\emptyset, 123459, 123489, 14579, 14789, 23578, 237, 58\}$	✓
941:459b	$0, 0, 0, 0, 0, -e^{14} + e^{23}, e^{13} + e^{24}, e^{15}, e^{27} + e^{16} + e^{58}$	$2/131(28, 28, 46, 46, 37, 74, 74, 65, 102)$	$\{\emptyset, 123459, 123489, 14579, 14789, 23578, 237, 58\}$	✓
941:460a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{34} + e^{12}, e^{15}, e^{58} + e^{26} + e^{37}$	$2/35(10, 9, 9, 10, 9, 19, 19, 28)$	$\{\emptyset, 123459, 123489, 145679, 146789, 235678, 2367, 58\}$	✓
941:460b	$0, 0, 0, 0, 0, -e^{24} + e^{13}, e^{12} + e^{34}, e^{15}, e^{37} + e^{26} + e^{58}$	$2/35(10, 9, 9, 10, 9, 19, 19, 28)$	$\{\emptyset, 123459, 123489, 145679, 146789, 235678, 2367, 58\}$	✓
941:461a	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{12} + e^{34}, e^{15}, e^{58} + e^{36} + e^{27}$	$2/35(10, 9, 9, 10, 9, 19, 19, 28)$	$\{\emptyset, 123459, 123489, 12569, 12689, 13579, 13789, 145679, 146789, 235678, 2367, 24578, 247, 34568, 346, 58\}$	✓
941:461b	$0, 0, 0, 0, 0, e^{13} + e^{24}, -e^{12} + e^{34}, e^{15}, e^{58} + e^{27} + e^{36}$	$2/35(10, 9, 9, 10, 9, 19, 19, 28)$	$\{\emptyset, 123459, 123489, 12569, 12689, 13579, 13789, 145679, 146789, 235678, 2367, 24578, 247, 34568, 346, 58\}$	✓
941:461c	$0, 0, 0, 0, 0, e^{24} - e^{13}, e^{34} - e^{12}, e^{15}, e^{27} + e^{36} + e^{58}$	$2/35(10, 9, 9, 10, 9, 19, 19, 28)$	$\{\emptyset, 123459, 123489, 12569, 12689, 13579, 13789, 145679, 146789, 235678, 2367, 24578, 247, 34568, 346, 58\}$	✓
941:462a	$0, 0, 0, 0, 0, e^{12}, e^{35} + e^{14}, e^{45} + e^{23}, e^{16} + e^{47} + e^{38}$	$1/47(23, 29, 23, 26, 26, 52, 49, 52, 75)$	$\{\emptyset, 123459, 12379, 12489, 125789, 3478, 358, 457\}$	
941:462b	$0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{35}, e^{23} + e^{45}, e^{16} + e^{38} + e^{47}$	$1/47(23, 29, 23, 26, 26, 52, 49, 52, 75)$	$\{\emptyset, 123459, 12379, 12489, 125789, 3478, 358, 457\}$	
941:463	$0, 0, 0, 0, 0, -e^{12}, e^{34} + e^{15}, e^{45} + e^{23}, e^{36} + e^{47} + e^{18}$	$1/31(13, 19, 17, 16, 20, 32, 33, 36, 49)$	$\{\emptyset, 123459, 12379, 12478, 1258, 3489, 35789, 457\}$	
941:472	$0, 0, 0, 0, 0, e^{24} + e^{13}, e^{15} + e^{23}, e^{45} + e^{12}, e^{18} + e^{47} + e^{36}$	$1/329(163, 195, 179, 147, 211, 342, 374, 358, 521)$	$\{\emptyset, 123459, 12679, 34567\}$	
941:473	$0, 0, 0, 0, 0, e^{13} + e^{24}, e^{15} + e^{23}, e^{25} + e^{14}, e^{47} + e^{58} + e^{36}$	$2/35(10, 10, 9, 9, 9, 19, 19, 28)$	$\{\emptyset, 123459, 126789, 345678\}$	
931:101	$0, 0, 0, 0, 0, 0, -e^{12}, e^{14} + e^{23}, e^{56} + e^{37} + e^{18}$	$1/5(2, 3, 3, 4, 4, 4, 5, 6, 8)$	$\{\emptyset, 123459, 123469, 12568, 128, 135678, 1378, 14579, 14679, 23567, 237, 245789, 246789, 34589, 34689, 56\}$	
931:107a	$0, 0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{24}, e^{17} + e^{28} + e^{56}$	$1/15(7, 7, 10, 10, 12, 12, 17, 17, 24)$	$\{\emptyset, 123459, 123469, 125678, 1278, 13567, 137, 14589, 14689, 23568, 238, 24579, 24679, 345789, 346789, 56\}$	✓
931:107b	$0, 0, 0, 0, 0, 0, -e^{14} + e^{23}, e^{13} + e^{24}, e^{17} + e^{56} + e^{28}$	$1/15(7, 7, 10, 10, 12, 12, 17, 17, 24)$	$\{\emptyset, 123459, 123469, 125678, 1278, 13567, 137, 14589, 14689, 23568, 238, 24579, 24679, 345789, 346789, 56\}$	✓
931:111a	$0, 0, 0, 0, 0, 0, e^{24} + e^{13}, e^{34} - e^{12}, e^{17} + e^{25} + e^{36} + e^{48}$	$5/32(3, 4, 4, 3, 6, 6, 7, 7, 10)$	$\{\emptyset, 12349, 1257, 13589, 1478, 23789, 2458, 34579\}$	✓
931:111b	$0, 0, 0, 0, 0, 0, -e^{13} + e^{24}, -e^{12} + e^{34}, e^{48} + e^{17} + e^{36} + e^{25}$	$5/32(3, 4, 4, 3, 6, 6, 7, 7, 10)$	$\{\emptyset, 12349, 1257, 13589, 1478, 23789, 2458, 34579\}$	✓
931:115	$0, 0, 0, 0, 0, 0, e^{13} + e^{24}, e^{12} + e^{35}, e^{27} + e^{16} + e^{38}$	$1/7(5, 3, 3, 5, 5, 6, 8, 8, 11)$	$\{\emptyset, 123459, 1267, 1368, 145789, 2378, 245689, 345679\}$	
931:116	$0, 0, 0, 0, 0, 0, e^{14} + e^{23}, e^{13} + e^{25}, e^{17} + e^{46} + e^{28}$	$1/25(11, 10, 18, 17, 19, 22, 28, 29, 39)$	$\{\emptyset, 123459, 1278, 137, 14589, 238, 24579, 345789\}$	
93:66	$0, 0, 0, 0, 0, 0, a_1e^{14} + e^{23}, e^{26} + e^{15}, e^{46} + e^{35}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 123489, 125679, 1278, 1357, 136789, 1459, 1468, 2358, 2369, 245789, 2467, 345678, 3479, 5689\}$	✓
93:86	$0, 0, 0, 0, 0, 0, a_1e^{15} + e^{24} + e^{36}, e^{25} + e^{13} + e^{46}, e^{34} + e^{12} + e^{56}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456\}$	
93:87	$0, 0, 0, 0, 0, 0, a_1e^{16} + e^{24} + e^{35}, a_2e^{13} + e^{25} + e^{46}, e^{12} + e^{34} + e^{56}$	$2/3(1, 1, 1, 1, 1, 1, 2, 2, 2)$	$\{\emptyset, 123456, 145789, 236789\}$	✓

End of Table A.4