

Table II Wavenumbers of the Observed and Calculated Transitions in the  $\nu_1 + \nu_2$  Band of  $F^{37}Cl^{16}O_3$

(I)	(II)	(III)	(IV)	(V)	(I)	(II)	(III)	(IV)	(V)				
4	3	3	1766.15842	1766.15613	0.00229	0.00	15	16	3	1758.97079	1758.97124	-0.00045	1.00
5	4	3	1766.50187	1766.49892	0.00296	0.00	16	17	3	1758.59596	1758.59564	0.00032	1.00
6	5	3	1766.83954	1766.84013	-0.00059	1.00	17	18	3	1758.21939	1758.21849	0.00090	1.00
7	6	3	1767.17963	1767.17977	-0.00013	1.00	18	19	3	1757.84018	1757.83980	0.00038	1.00
8	7	3	1767.52035	1767.51783	0.00252	0.00	19	20	3	1757.46016	1757.45956	0.00060	1.00
9	8	3	1767.85244	1767.85431	-0.00187	0.00	20	21	3	1757.07877	1757.07778	0.00099	1.00
10	9	3	1768.18912	1768.18921	-0.00008	1.00	21	22	3	1756.69449	1756.69445	0.00003	1.00
11	10	3	1768.52658	1768.52252	0.00406	0.00	22	23	3	1756.30986	1756.30959	0.00027	1.00
12	11	3	1768.85668	1768.85426	0.00242	0.00	23	24	3	1755.92371	1755.92318	0.00053	1.00
13	12	3	1769.18493	1769.18441	0.00052	1.00	24	25	3	1755.53542	1755.53524	0.00018	1.00
14	13	3	1769.51287	1769.51298	-0.00011	1.00	25	26	3	1755.14569	1755.14577	-0.00008	1.00
15	14	3	1769.83932	1769.83997	-0.00064	1.00	26	27	3	1754.75524	1754.75475	0.00049	1.00
16	15	3	1770.16528	1770.16536	-0.00009	1.00	27	28	3	1754.36204	1754.36221	-0.00017	1.00
17	16	3	1770.49261	1770.48917	0.00344	0.00	28	29	3	1753.96894	1753.96813	0.00080	1.00
18	17	3	1770.80951	1770.81139	-0.00188	0.00	29	30	3	1753.57190	1753.57253	-0.00063	1.00
19	18	3	1771.13289	1771.13202	0.00087	1.00	30	31	3	1753.17524	1753.17540	-0.00016	1.00
20	19	3	1771.45102	1771.45107	-0.00005	1.00	31	32	3	1752.77610	1752.77674	-0.00064	1.00
21	20	3	1771.76825	1771.76852	-0.00027	1.00	32	33	3	1752.37799	1752.37655	0.00144	0.00
22	21	3	1772.08516	1772.08438	0.00078	1.00	33	34	3	1751.97512	1751.97484	0.00028	1.00
23	22	3	1772.39900	1772.39864	0.00036	1.00	34	35	3	1751.57206	1751.57162	0.00044	1.00
24	23	3	1772.70893	1772.71131	-0.00239	0.00	35	36	3	1751.16775	1751.16687	0.00088	0.00
25	24	3	1773.02312	1773.02239	0.00072	1.00	36	37	3	1750.76002	1750.76060	-0.00058	1.00
26	25	3	1773.33165	1773.33187	-0.00023	1.00	37	38	3	1750.35247	1750.35282	-0.00035	1.00
27	26	3	1773.63850	1773.63976	-0.00126	0.00	38	39	3	1749.94402	1749.94352	0.00050	0.00
28	27	3	1773.94582	1773.94605	-0.00023	1.00	39	40	3	1749.53285	1749.53271	0.00014	0.00
29	28	3	1774.25014	1774.25074	-0.00060	1.00	40	41	3	1749.12085	1749.12039	0.00046	0.00
30	29	3	1774.55210	1774.55383	-0.00173	0.00	41	42	3	1748.70725	1748.70656	0.00069	0.00
31	30	3	1774.85584	1774.85532	0.00052	1.00	42	43	3	1748.29213	1748.29122	0.00091	0.00
32	31	3	1775.15595	1775.15521	0.00073	1.00	43	44	3	1747.87492	1747.87438	0.00054	0.00
33	32	3	1775.45686	1775.45351	0.00335	0.00	44	45	3	1747.45644	1747.45603	0.00041	0.00
34	33	3	1775.75000	1775.75020	-0.00020	1.00	45	46	3	1747.03200	1747.03618	-0.00418	0.00
35	34	3	1776.04500	1776.04528	-0.00028	0.00	46	47	3	1746.61000	1746.61483	-0.00483	0.00
36	35	3	1776.33827	1776.33877	-0.00049	1.00	47	48	3	1746.18544	1746.19198	-0.00654	0.00
37	36	3	1776.63042	1776.63065	-0.00023	1.00	48	49	3	1745.76200	1745.76763	-0.00563	0.00
38	37	3	1776.91755	1776.92092	-0.00337	0.00	49	50	3	1745.33561	1745.34179	-0.00618	0.00
39	38	3	1777.20690	1777.20959	-0.00269	0.00	50	51	3	1744.90768	1744.91446	-0.00678	0.00
40	39	3	1777.49566	1777.49666	-0.00099	1.00	51	52	3	1744.47529	1744.48564	-0.01035	0.00
41	40	3	1777.78000	1777.78211	-0.00211	0.00	52	53	3	1744.05678	1744.05533	0.00145	0.00
42	41	3	1778.06285	1778.06597	-0.00312	0.00	53	54	3	1743.62000	1743.62353	-0.00353	0.00
43	42	3	1778.34767	1778.34821	-0.00054	0.00	54	55	3	1743.19121	1743.19024	0.00097	1.00
44	43	3	1778.62304	1778.62884	-0.00581	0.00	55	56	3	1742.75200	1742.75547	-0.00347	0.00
45	44	3	1778.90784	1778.90787	-0.00002	0.00	56	57	3	1742.31500	1742.31923	-0.00423	0.00
46	45	3	1779.18100	1779.18529	-0.00429	0.00	57	58	3	1741.87937	1741.88150	-0.00213	0.00
47	46	3	1779.45269	1779.46109	-0.00840	0.00	58	59	3	1741.44400	1741.44230	0.00170	0.00
48	47	3	1779.72869	1779.73529	-0.00660	0.00	59	60	3	1741.00400	1741.00162	0.00238	0.00
49	48	3	1780.00318	1780.00788	-0.00470	0.00	60	61	3	1740.55900	1740.55947	-0.00047	1.00
50	49	3	1780.27200	1780.27885	-0.00685	0.00	61	62	3	1740.11450	1740.11584	-0.00134	0.00
51	50	3	1780.54010	1780.54821	-0.00812	0.00	7	6	6	1767.18597	1767.18382	0.00215	0.00
3	3	3	1764.76021	1764.75981	0.00040	1.00	8	7	6	1767.52035	1767.52187	-0.00152	0.00
4	4	3	1764.75142	1764.75353	-0.00211	0.00	9	8	6	1767.85763	1767.85835	-0.00072	0.00
5	5	3	1764.74470	1764.74568	-0.00098	1.00	10	9	6	1768.19488	1768.19324	0.00164	0.00
6	6	3	1764.73795	1764.73626	0.00169	0.00	11	10	6	1768.52658	1768.52656	0.00002	1.00
5	6	3	1762.64200	1762.64181	0.00019	0.00	12	11	6	1768.85668	1768.85829	-0.00161	0.00
6	7	3	1762.27786	1762.28176	-0.00390	0.00	13	12	6	1769.18900	1769.18844	0.00056	0.00
7	8	3	1761.92039	1761.92016	0.00023	1.00	14	13	6	1769.51700	1769.51700	0.00000	0.00
8	9	3	1761.55800	1761.55699	0.00101	1.00	15	14	6	1769.84477	1769.84398	0.00079	1.00
9	10	3	1761.19259	1761.19226	0.00033	1.00	16	15	6	1770.17000	1770.16937	0.00063	0.00
10	11	3	1760.82668	1760.82598	0.00071	1.00	17	16	6	1770.49400	1770.49318	0.00082	0.00
11	12	3	1760.45885	1760.45814	0.00071	1.00	18	17	6	1770.81515	1770.81539	-0.00025	1.00
12	13	3	1760.08885	1760.08874	0.00010	1.00	19	18	6	1771.13289	1771.13602	-0.00313	0.00
13	14	3	1759.71962	1759.71779	0.00183	0.00	20	19	6	1771.45600	1771.45506	0.00094	0.00
14	15	3	1759.34539	1759.34529	0.00010	1.00	21	20	6	1771.77300	1771.77250	0.00050	0.00

(I) In order the values of  $J$  upper,  $J$  lower and  $K$  lower are reported.

(II) Observed wavenumbers (in  $\text{cm}^{-1}$ ).

(III) Calculated wavenumbers (in  $\text{cm}^{-1}$ ).

(IV) Observed – Calculated values (in  $\text{cm}^{-1}$ ).

(V) Transition weight..

Continued

(I)	(II)	(III)	(IV)	(V)	(I)	(II)	(III)	(IV)	(V)				
22	21	6	1772.08516	1772.08836	-0.00320	0.00	54	55	6	1743.19800	1743.19432	0.00368	0.00
23	22	6	1772.40507	1772.40262	0.00246	0.00	55	56	6	1742.75789	1742.75955	-0.00167	0.00
24	23	6	1772.71681	1772.71528	0.00152	0.00	56	57	6	1742.32302	1742.32330	-0.00028	1.00
25	24	6	1773.02846	1773.02635	0.00211	0.00	57	58	6	1741.88474	1741.88557	-0.00084	1.00
26	25	6	1773.33595	1773.33583	0.00012	1.00	58	59	6	1741.44732	1741.44637	0.00096	1.00
27	26	6	1773.64390	1773.64371	0.00019	1.00	59	60	6	1741.00499	1741.00568	-0.00070	1.00
28	27	6	1773.95353	1773.94999	0.00354	0.00	60	61	6	1740.56522	1740.56353	0.00170	0.00
29	28	6	1774.25630	1774.25468	0.00162	0.00	61	62	6	1740.11998	1740.11990	0.00008	1.00
30	29	6	1774.56152	1774.55776	0.00376	0.00	10	9	9	1768.19500	1768.19998	-0.00498	0.00
31	30	6	1774.86116	1774.85925	0.00191	0.00	11	10	9	1768.53541	1768.53328	0.00212	0.00
32	31	6	1775.15595	1775.15914	-0.00319	0.00	12	11	9	1768.85700	1768.86501	-0.00801	0.00
33	32	6	1775.45686	1775.45742	-0.00056	1.00	13	12	9	1769.20000	1769.19515	0.00485	0.00
34	33	6	1775.75562	1775.75410	0.00152	0.00	14	13	9	1769.52600	1769.52371	0.00229	0.00
35	34	6	1776.05064	1776.04918	0.00145	0.00	15	14	9	1769.85155	1769.85068	0.00087	1.00
36	35	6	1776.34440	1776.34266	0.00174	0.00	16	15	9	1770.17908	1770.17606	0.00302	0.00
37	36	6	1776.63608	1776.63453	0.00155	0.00	17	16	9	1770.50206	1770.49986	0.00220	0.00
38	37	6	1776.92334	1776.92480	-0.00146	0.00	18	17	9	1770.82583	1770.82207	0.00376	0.00
39	38	6	1777.21180	1777.21347	-0.00167	0.00	19	18	9	1771.14464	1771.14268	0.00196	0.00
40	39	6	1777.49566	1777.50052	-0.00486	0.00	20	19	9	1771.46164	1771.46171	-0.00007	1.00
41	40	6	1777.78401	1777.78597	-0.00196	0.00	21	20	9	1771.78700	1771.77915	0.00785	0.00
42	41	6	1778.06861	1778.06982	-0.00121	0.00	22	21	9	1772.09831	1772.09499	0.00331	0.00
43	42	6	1778.34767	1778.35205	-0.00438	0.00	23	22	9	1772.41194	1772.40925	0.00269	0.00
44	43	6	1778.62900	1778.63268	-0.00368	0.00	24	23	9	1772.71600	1772.72190	-0.00590	0.00
45	44	6	1778.90784	1778.91170	-0.00385	0.00	25	24	9	1773.03578	1773.03297	0.00282	0.00
46	45	6	1779.17700	1779.18911	-0.01211	0.00	26	25	9	1773.34267	1773.34243	0.00023	1.00
47	46	6	1779.46200	1779.46491	-0.00291	0.00	27	26	9	1773.64400	1773.65030	-0.00630	0.00
48	47	6	1779.73317	1779.73910	-0.00592	0.00	28	27	9	1773.95300	1773.95658	-0.00358	0.00
6	6	6	1764.73796	1764.74033	-0.00237	0.00	29	28	9	1774.25600	1774.26125	-0.00525	0.00
7	7	6	1764.72836	1764.72934	-0.00098	1.00	30	29	9	1774.56700	1774.56433	0.00267	0.00
8	8	6	1764.71838	1764.71678	0.00160	0.00	31	30	9	1774.86750	1774.86580	0.00169	0.00
9	9	6	1764.70197	1764.70265	-0.00068	1.00	32	31	9	1775.17300	1775.16568	0.00732	0.00
10	10	6	1764.68918	1764.68695	0.00223	0.00	33	32	9	1775.45600	1775.46395	-0.00795	0.00
6	7	6	1762.28739	1762.28586	0.00153	0.00	34	33	9	1775.76400	1775.76062	0.00338	0.00
7	8	6	1761.92000	1761.92425	-0.00425	0.00	35	34	9	1776.05592	1776.05569	0.00023	1.00
8	9	6	1761.55800	1761.56108	-0.00308	0.00	36	35	9	1776.34400	1776.34916	-0.00516	0.00
9	10	6	1761.19200	1761.19636	-0.00436	0.00	37	36	9	1776.63600	1776.64102	-0.00502	0.00
10	11	6	1760.83283	1760.83008	0.00275	0.00	38	37	9	1776.92849	1776.93128	-0.00278	0.00
11	12	6	1760.45900	1760.46224	-0.00324	0.00	39	38	9	1777.21704	1777.21993	-0.00289	0.00
12	13	6	1760.09418	1760.09285	0.00134	0.00	40	39	9	1777.50603	1777.50697	-0.00095	1.00
13	14	6	1759.71962	1759.72190	-0.00227	0.00	41	40	9	1777.78901	1777.79241	-0.00340	0.00
14	15	6	1759.34500	1759.34940	-0.00440	0.00	42	41	9	1778.07406	1778.07624	-0.00218	0.00
15	16	6	1758.97452	1758.97535	-0.00083	1.00	43	42	9	1778.35300	1778.35847	-0.00547	0.00
16	17	6	1758.60075	1758.59975	0.00099	1.00	44	43	9	1778.63600	1778.63908	-0.00308	0.00
17	18	6	1758.21900	1758.22261	-0.00361	0.00	45	44	9	1778.91300	1778.91809	-0.00509	0.00
18	19	6	1757.84000	1757.84391	-0.00391	0.00	46	45	9	1779.19242	1779.19548	-0.00306	0.00
19	20	6	1757.46436	1757.46367	0.00069	1.00	47	46	9	1779.46820	1779.47127	-0.00307	0.00
20	21	6	1757.07800	1757.08189	-0.00389	0.00	48	47	9	1779.74327	1779.74544	-0.00217	0.00
21	22	6	1756.69400	1756.69857	-0.00457	0.00	49	48	9	1780.01799	1780.01801	-0.00002	1.00
22	23	6	1756.31528	1756.31370	0.00158	0.00	50	49	9	1780.29039	1780.28896	0.00144	0.00
23	24	6	1755.92922	1755.92730	0.00192	0.00	51	50	9	1780.55773	1780.55830	-0.00057	1.00
24	25	6	1755.53500	1755.53936	-0.00436	0.00	52	51	9	1780.82700	1780.82602	0.00098	0.00
25	26	6	1755.15097	1755.14988	0.00109	1.00	53	52	9	1781.09381	1781.09214	0.00167	0.00
26	27	6	1754.76077	1754.75887	0.00190	0.00	54	53	9	1781.36000	1781.35664	0.00336	0.00
27	28	6	1754.36784	1754.36633	0.00151	0.00	55	54	9	1781.61500	1781.61953	-0.00453	0.00
28	29	6	1753.97387	1753.97225	0.00162	0.00	56	55	9	1781.88119	1781.88080	0.00039	1.00
29	30	6	1753.57703	1753.57665	0.00038	1.00	57	56	9	1782.13600	1782.14045	-0.00445	0.00
30	31	6	1753.18049	1753.17951	0.00097	1.00	58	57	9	1782.40200	1782.39850	0.00350	0.00
31	32	6	1752.78205	1752.78085	0.00120	1.00	59	58	9	1782.65700	1782.65492	0.00208	0.00
32	33	6	1752.37800	1752.38067	-0.00267	0.00	60	59	9	1782.90929	1782.90973	-0.00044	1.00
33	34	6	1751.98025	1751.97896	0.00129	1.00	61	60	9	1783.16301	1783.16293	0.00008	1.00
34	35	6	1751.57852	1751.57573	0.00278	0.00	62	61	9	1783.41600	1783.41451	0.00149	0.00
35	36	6	1751.17380	1751.17098	0.00282	0.00	63	62	9	1783.66100	1783.66447	-0.00347	0.00
36	37	6	1750.76700	1750.76472	0.00228	0.00	9	9	9	1764.71181	1764.70944	0.00237	0.00
37	38	6	1750.35800	1750.35693	0.00107	0.00	10	10	9	1764.69599	1764.69373	0.00226	0.00
38	39	6	1749.94400	1749.94763	-0.00363	0.00	11	11	9	1764.67809	1764.67646	0.00163	0.00
39	40	6	1749.53280	1749.53682	-0.00402	0.00	12	12	9	1764.65910	1764.65762	0.00147	0.00
40	41	6	1749.12085	1749.12450	-0.00365	0.00	13	13	9	1764.63991	1764.63721	0.00270	0.00
41	42	6	1748.70725	1748.71067	-0.00342	0.00	10	11	9	1760.83699	1760.83692	0.00008	1.00
42	43	6	1748.29213	1748.29533	-0.00320	0.00	11	12	9	1760.47900	1760.46908	0.00992	0.00
43	44	6	1747.87492	1747.87848	-0.00356	0.00	12	13	9	1760.09982	1760.09969	0.00013	1.00
44	45	6	1747.45644	1747.46013	-0.00369	0.00	13	14	9	1759.73017	1759.72875	0.00142	0.00
45	46	6	1747.03673	1747.04028	-0.00355	0.00	14	15	9	1759.35684	1759.35625	0.00059	1.00
46	47	6	1746.61612	1746.61893	-0.00280	0.00	15	16	9	1758.98142	1758.98220	-0.00078	1.00
47	48	6	1746.19286	1746.19608	-0.00322	0.00	16	17	9	1758.60661	1758.60661	0.00001	1.00
48	49	6	1745.76200	1745.77173	-0.00973	0.00	17	18	9	1758.23108	1758.22946	0.00161	0.00
49	50	6	1745.34353	1745.34589	-0.00236	0.00	18	19	9	1757.85279	1757.85077	0.00201	0.00
50	51	6	1744.91500	1744.91855	-0.00355	0.00	19	20	9	1757.47244	1757.47053	0.00191	0.00
51	52	6	1744.48600	1744.48973	-0.00373	0.00	20	21	9	1757.08956	1757.08875	0.00080	1.00
52	53	6	1744.05600	1744.05941	-0.00341	0.00	21	22	9	1756.69400	1756.70543	-0.01143	0.00
53	54	6	1743.63400	1743.62761	0.00639	0.00	22	23	9	1756.32243	1756.32057	0.00186	0.00

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(I)	(II)	(III)	(IV)	(V)	(I)	(II)	(III)	(IV)	(V)				
23	24	9	1755.93623	1755.93417	0.00207	0.00	55	54	12	1781.62953	1781.62828	0.00124	0.00
24	25	9	1755.54900	1755.54623	0.00277	0.00	56	55	12	1781.89055	1781.88953	0.00101	1.00
25	26	9	1755.15100	1755.15675	-0.00575	0.00	57	56	12	1782.14819	1782.14917	-0.00098	1.00
26	27	9	1754.76100	1754.76574	-0.00474	0.00	58	57	12	1782.40785	1782.40719	0.00066	1.00
27	28	9	1754.36700	1754.37320	-0.00620	0.00	59	58	12	1782.66613	1782.66359	0.00254	0.00
28	29	9	1753.97400	1753.97912	-0.00512	0.00	60	59	12	1782.92006	1782.91838	0.00168	0.00
29	30	9	1753.58189	1753.58352	-0.00162	0.00	61	60	12	1783.17363	1783.17156	0.00207	0.00
30	31	9	1753.18713	1753.18638	0.00075	1.00	62	61	12	1783.42614	1783.42311	0.00303	0.00
31	32	9	1752.78600	1752.78772	-0.00172	0.00	63	62	12	1783.67125	1783.67305	-0.00180	0.00
32	33	9	1752.38873	1752.38754	0.00120	0.00	64	63	12	1783.91954	1783.92137	-0.00183	0.00
33	34	9	1751.98670	1751.98583	0.00087	1.00	65	64	12	1784.16937	1784.16807	0.00129	0.00
34	35	9	1751.58569	1751.58260	0.00309	0.00	12	12	12	1764.66584	1764.66713	-0.00128	1.00
35	36	9	1751.17380	1751.17785	-0.00405	0.00	13	13	12	1764.64592	1764.64671	-0.00080	1.00
36	37	9	1750.76700	1750.77158	-0.00458	0.00	14	14	12	1764.62381	1764.62473	-0.00092	1.00
37	38	9	1750.36218	1750.36379	-0.00161	0.00	15	15	12	1764.59959	1764.60118	-0.00159	0.00
38	39	9	1749.95292	1749.95449	-0.00157	0.00	16	16	12	1764.57525	1764.57606	-0.00081	1.00
39	40	9	1749.54071	1749.54368	-0.00297	0.00	19	19	12	1764.48850	1764.49129	-0.00280	0.00
40	41	9	1749.13048	1749.13136	-0.00087	1.00	20	20	12	1764.46033	1764.45990	0.00043	1.00
41	42	9	1748.71724	1748.71752	-0.00029	1.00	12	13	12	1760.10919	1760.10928	-0.00009	1.00
42	43	9	1748.30218	1748.30218	0.00000	1.00	13	14	12	1759.73611	1759.73834	-0.00224	0.00
43	44	9	1747.88200	1747.88533	-0.00333	0.00	14	15	12	1759.36634	1759.36585	0.00049	1.00
44	45	9	1747.46511	1747.46698	-0.00187	0.00	15	16	12	1758.99089	1758.99181	-0.00092	1.00
45	46	9	1747.04617	1747.04713	-0.00096	1.00	16	17	12	1758.60600	1758.61621	-0.01021	0.00
46	47	9	1746.62296	1746.62577	-0.00281	0.00	17	18	12	1758.23778	1758.23907	-0.00129	0.00
47	48	9	1746.20446	1746.20292	0.00154	0.00	18	19	12	1757.85992	1757.86038	-0.00047	1.00
48	49	9	1745.77650	1745.77856	-0.00206	0.00	19	20	12	1757.48048	1757.48015	0.00033	1.00
49	50	9	1745.35274	1745.35272	0.00002	1.00	20	21	12	1757.09659	1757.09837	-0.00178	0.00
50	51	9	1744.92663	1744.92538	0.00125	0.00	21	22	12	1756.71449	1756.71505	-0.00056	1.00
51	52	9	1744.49803	1744.49655	0.00147	0.00	22	23	12	1756.32857	1756.33019	-0.00163	0.00
52	53	9	1744.06770	1744.06623	0.00147	0.00	23	24	12	1755.94335	1755.94379	-0.00044	1.00
53	54	9	1743.63416	1743.63442	-0.00026	1.00	24	25	12	1755.55565	1755.55585	-0.00020	1.00
54	55	9	1743.19800	1743.20113	-0.00313	0.00	25	26	12	1755.16645	1755.16638	0.00007	1.00
55	56	9	1742.76780	1742.76636	0.00144	0.00	26	27	12	1754.77450	1754.77537	-0.00087	1.00
56	57	9	1742.33300	1742.33010	0.00290	0.00	27	28	12	1754.38108	1754.38282	-0.00175	0.00
57	58	9	1741.89400	1741.89237	0.00163	0.00	28	29	12	1753.98745	1753.98875	-0.00129	0.00
58	59	9	1741.45510	1741.45315	0.00194	0.00	29	30	12	1753.59317	1753.59314	0.00002	1.00
59	60	9	1741.01400	1741.01247	0.00153	0.00	30	31	12	1753.19602	1753.19601	0.00001	1.00
60	61	9	1740.57200	1740.57031	0.00169	0.00	31	32	12	1752.79704	1752.79735	-0.00031	1.00
13	12	12	1769.20510	1769.20456	0.00054	1.00	32	33	12	1752.39628	1752.39716	-0.00089	1.00
14	13	12	1769.53197	1769.53310	-0.00113	0.00	33	34	12	1751.99412	1751.99545	-0.00134	0.00
15	14	12	1769.85925	1769.86006	-0.00082	1.00	34	35	12	1751.59240	1751.59222	0.00017	1.00
16	15	12	1770.18414	1770.18544	-0.00130	0.00	35	36	12	1751.18717	1751.18747	-0.00031	1.00
17	16	12	1770.50846	1770.50922	-0.00077	1.00	36	37	12	1750.78078	1750.78120	-0.00042	1.00
18	17	12	1770.83157	1770.83142	0.00016	1.00	37	38	12	1750.37500	1750.37341	0.00159	0.00
19	18	12	1771.15150	1771.15203	-0.00052	1.00	38	39	12	1749.96413	1749.96411	0.00002	1.00
20	19	12	1771.47080	1771.47104	-0.00024	1.00	39	40	12	1749.55288	1749.55329	-0.00042	1.00
21	20	12	1771.78737	1771.78847	-0.00109	1.00	40	41	12	1749.14041	1749.14097	-0.00055	1.00
22	21	12	1772.10393	1772.10430	-0.00037	1.00	41	42	12	1748.72759	1748.72713	0.00046	1.00
23	22	12	1772.41811	1772.41854	-0.00043	1.00	42	43	12	1748.31291	1748.31178	0.00112	1.00
24	23	12	1772.73500	1772.73118	0.00382	0.00	43	44	12	1747.89537	1747.89493	0.00044	1.00
25	24	12	1773.04091	1773.04223	-0.00132	0.00	44	45	12	1747.47611	1747.47658	-0.00047	1.00
26	25	12	1773.34800	1773.35169	-0.00369	0.00	45	46	12	1747.05770	1747.05672	0.00098	1.00
27	26	12	1773.65700	1773.65954	-0.00254	0.00	46	47	12	1746.63634	1746.63536	0.00099	0.00
28	27	12	1773.96532	1773.96580	-0.00048	1.00	47	48	12	1746.21116	1746.21250	-0.00134	0.00
29	28	12	1774.27500	1774.27046	0.00454	0.00	48	49	12	1745.78848	1745.78814	0.00034	1.00
30	29	12	1774.57330	1774.57352	-0.00023	1.00	49	50	12	1745.36289	1745.36229	0.00060	1.00
31	30	12	1774.87567	1774.87498	0.00069	1.00	50	51	12	1744.93555	1744.93495	0.00060	1.00
32	31	12	1775.17352	1775.17484	-0.00133	0.00	51	52	12	1744.50611	1744.50611	0.00000	1.00
33	32	12	1775.47229	1775.47310	-0.00082	1.00	52	53	12	1744.07300	1744.07579	-0.00279	0.00
34	33	12	1775.77020	1775.76976	0.00044	1.00	53	54	12	1743.64600	1743.64398	0.00202	0.00
35	34	12	1776.06693	1776.06481	0.00212	0.00	54	55	12	1743.21038	1743.21068	-0.00030	1.00
36	35	12	1776.35856	1776.35826	0.00029	1.00	55	56	12	1742.77420	1742.77590	-0.00170	0.00
37	36	12	1776.65141	1776.65011	0.00130	0.00	56	57	12	1742.34135	1742.33963	0.00171	0.00
38	37	12	1776.94058	1776.94035	0.00023	1.00	57	58	12	1741.90328	1741.90189	0.00139	0.00
39	38	12	1777.22725	1777.22898	-0.00174	0.00	58	59	12	1741.46471	1741.46267	0.00204	0.00
40	39	12	1777.51732	1777.51601	0.00131	0.00	59	60	12	1741.02237	1741.02197	0.00040	1.00
41	40	12	1777.80069	1777.80143	-0.00075	1.00	60	61	12	1740.57908	1740.57981	-0.00073	1.00
42	41	12	1778.08549	1778.08525	0.00024	1.00	61	62	12	1740.13713	1740.13617	0.00097	0.00
43	42	12	1778.36836	1778.36745	0.00091	1.00	16	15	15	1770.19500	1770.19751	-0.00251	0.00
44	43	12	1778.64811	1778.64805	0.00006	1.00	17	16	15	1770.52144	1770.52128	0.00016	1.00
45	44	12	1778.92400	1778.92704	-0.00304	0.00	18	17	15	1770.84284	1770.84346	-0.00063	1.00
46	45	12	1779.20671	1779.20442	0.00229	0.00	19	18	15	1771.16380	1771.16405	-0.00025	1.00
47	46	12	1779.47902	1779.48018	-0.00116	1.00	20	19	15	1771.48201	1771.48306	-0.00104	1.00
48	47	12	1779.75454	1779.75434	0.00020	1.00	21	20	15	1771.79800	1771.80046	-0.00246	0.00
49	48	12	1780.02900	1780.02688	0.00212	0.00	22	21	15	1772.11502	1772.11628	-0.00126	0.00
50	49	12	1780.29613	1780.29782	-0.00168	0.00	23	22	15	1772.43012	1772.43050	-0.00038	1.00
51	50	12	1780.56654	1780.56714	-0.00060	1.00	24	23	15	1772.74000	1772.74313	-0.00313	0.00
52	51	12	1780.83800	1780.83484	0.00316	0.00	25	24	15	1773.05100	1773.05416	-0.00316	0.00
53	52	12	1781.10090	1781.10094	-0.00003	1.00	26	25	15	1773.36432	1773.36360	0.00072	1.00
54	53	12	1781.36592	1781.36542	0.00050	1.00	27	26	15	1773.67041	1773.67144	-0.00103	0.00

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(I)	(II)	(III)	(IV)	(V)	(I)	(II)	(III)	(IV)	(V)				
28	27	15	1773.97754	1773.97768	-0.00015	1.00	46	47	15	1746.64816	1746.64771	0.00046	1.00
29	28	15	1774.28205	1774.28232	-0.00027	1.00	47	48	15	1746.22633	1746.22484	0.00148	0.00
30	29	15	1774.58483	1774.58537	-0.00053	1.00	48	49	15	1745.80066	1745.80048	0.00017	1.00
31	30	15	1774.88672	1774.88681	-0.00009	1.00	49	50	15	1745.37508	1745.37462	0.00046	1.00
32	31	15	1775.18400	1775.18665	-0.00265	0.00	50	51	15	1744.94814	1744.94727	0.00087	1.00
33	32	15	1775.48315	1775.48489	-0.00174	0.00	51	52	15	1744.51669	1744.51843	-0.00173	0.00
34	33	15	1775.78179	1775.78153	0.00027	1.00	52	53	15	1744.08865	1744.08810	0.00055	1.00
35	34	15	1776.07685	1776.07656	0.00029	1.00	53	54	15	1743.65800	1743.65628	0.00172	0.00
36	35	15	1776.37154	1776.36999	0.00155	0.00	54	55	15	1743.22477	1743.22297	0.00181	0.00
37	36	15	1776.66013	1776.66182	-0.00169	0.00	55	56	15	1742.78997	1742.78818	0.00179	0.00
38	37	15	1776.95600	1776.95204	0.00396	0.00	56	57	15	1742.35265	1742.35191	0.00074	1.00
39	38	15	1777.24116	1777.24065	0.00051	1.00	57	58	15	1741.91664	1741.91415	0.00249	0.00
40	39	15	1777.52886	1777.52766	0.00120	0.00	58	59	15	1741.47629	1741.47492	0.00137	0.00
41	40	15	1777.81297	1777.81306	-0.00009	1.00	59	60	15	1741.03658	1741.03422	0.00237	0.00
42	41	15	1778.09461	1778.09685	-0.00224	0.00	60	61	15	1740.59176	1740.59204	-0.00028	1.00
43	42	15	1778.37500	1778.37903	-0.00403	0.00	61	62	15	1740.14955	1740.14839	0.00117	0.00
44	43	15	1778.65500	1778.65960	-0.00460	0.00	19	18	18	1771.18400	1771.17879	0.00521	0.00
45	44	15	1778.94300	1778.93857	0.00443	0.00	20	19	18	1771.49938	1771.49777	0.00161	0.00
46	45	15	1779.21529	1779.21592	-0.00063	1.00	21	20	18	1771.82000	1771.81516	0.00484	0.00
47	46	15	1779.49050	1779.49167	-0.00116	1.00	22	21	18	1772.12969	1772.13096	-0.00127	0.00
48	47	15	1779.76637	1779.76580	0.00058	1.00	23	22	18	1772.44189	1772.44516	-0.00327	0.00
49	48	15	1780.03870	1780.03832	0.00038	1.00	24	23	18	1772.75819	1772.75777	0.00042	1.00
50	49	15	1780.30655	1780.30922	-0.00267	0.00	25	24	18	1773.06774	1773.06878	-0.00104	0.00
51	50	15	1780.57949	1780.57852	0.00097	1.00	26	25	18	1773.38300	1773.37819	0.00481	0.00
52	51	15	1780.84300	1780.84620	-0.00320	0.00	27	26	18	1773.68686	1773.68601	0.00084	1.00
53	52	15	1781.11500	1781.11227	0.00273	0.00	28	27	18	1773.99358	1773.99223	0.00135	0.00
54	53	15	1781.37710	1781.37672	0.00038	1.00	29	28	18	1774.29867	1774.29685	0.00182	0.00
55	54	15	1781.63729	1781.63956	-0.00227	0.00	30	29	18	1774.59905	1774.59987	-0.00082	1.00
56	55	15	1781.90500	1781.90079	0.00421	0.00	31	30	18	1774.90141	1774.90129	0.00012	1.00
57	56	15	1782.16300	1782.16039	0.00261	0.00	32	31	18	1775.20072	1775.20111	-0.00039	1.00
58	57	15	1782.41400	1782.41839	-0.00439	0.00	33	32	18	1775.50144	1775.49933	0.00212	0.00
59	58	15	1782.67200	1782.67476	-0.00276	0.00	34	33	18	1775.79679	1775.79594	0.00086	1.00
60	59	15	1782.93400	1782.92952	0.00448	0.00	35	34	18	1776.08960	1776.09095	-0.00135	0.00
61	60	15	1783.18364	1783.18267	0.00097	0.00	36	35	18	1776.38330	1776.38435	-0.00105	1.00
62	61	15	1783.43327	1783.43419	-0.00093	1.00	37	36	18	1776.67625	1776.67615	0.00009	1.00
63	62	15	1783.68141	1783.68410	-0.00269	0.00	38	37	18	1776.96400	1776.96635	-0.00235	0.00
64	63	15	1783.93249	1783.93239	0.00010	1.00	39	38	18	1777.25558	1777.25494	0.00065	1.00
65	64	15	1784.17688	1784.17907	-0.00219	0.00	40	39	18	1777.54027	1777.54192	-0.00164	0.00
15	15	15	1764.61377	1764.61340	0.00037	1.00	41	40	18	1777.83069	1777.82729	0.00340	0.00
16	16	15	1764.58841	1764.58828	0.00013	1.00	42	41	18	1778.11084	1778.11105	-0.00021	1.00
17	17	15	1764.56084	1764.56159	-0.00075	1.00	43	42	18	1778.39150	1778.39321	-0.00171	0.00
18	18	15	1764.53347	1764.53332	0.00015	1.00	44	43	18	1778.67198	1778.67375	-0.00178	0.00
19	19	15	1764.50388	1764.50349	0.00039	1.00	45	44	18	1778.95000	1778.95269	-0.00269	0.00
20	20	15	1764.47209	1764.47209	0.00000	0.00	46	45	18	1779.21500	1779.23002	-0.01502	0.00
18	18	15	1764.43700	1764.53332	-0.09632	0.00	47	46	18	1779.50493	1779.50573	-0.00080	1.00
22	22	15	1764.40536	1764.40459	0.00076	1.00	48	47	18	1779.78034	1779.77983	0.00051	1.00
23	23	15	1764.36868	1764.36849	0.00019	1.00	49	48	18	1780.05198	1780.05232	-0.00034	1.00
24	24	15	1764.33024	1764.33082	-0.00058	1.00	50	49	18	1780.32362	1780.32320	0.00042	1.00
25	25	15	1764.29155	1764.29159	-0.00004	1.00	51	50	18	1780.58900	1780.59246	-0.00346	0.00
15	16	15	1759.00200	1759.00417	-0.00217	0.00	52	51	18	1780.85500	1780.86011	-0.00511	0.00
16	17	15	1758.62915	1758.62859	0.00056	1.00	53	52	18	1781.12631	1781.12615	0.00016	1.00
17	18	15	1758.24900	1758.25145	-0.00245	0.00	54	53	18	1781.39200	1781.39057	0.00143	0.00
18	19	15	1757.87094	1757.87276	-0.00182	0.00	55	54	18	1781.64700	1781.65338	-0.00638	0.00
19	20	15	1757.49236	1757.49253	-0.00017	1.00	56	55	18	1781.91241	1781.91457	-0.00216	0.00
20	21	15	1757.11132	1757.11076	0.00056	1.00	57	56	18	1782.17387	1782.17414	-0.00028	1.00
21	22	15	1756.72697	1756.72744	-0.00047	1.00	58	57	18	1782.42800	1782.43210	-0.00410	0.00
22	23	15	1756.34094	1756.34258	-0.00164	0.00	18	18	18	1764.54887	1764.54827	0.00060	1.00
23	24	15	1755.95605	1755.95618	-0.00013	1.00	19	19	18	1764.51861	1764.51843	0.00018	1.00
24	25	15	1755.56713	1755.56824	-0.00112	0.00	20	20	18	1764.48850	1764.48703	0.00147	0.00
25	26	15	1755.17833	1755.17877	-0.00045	1.00	21	21	18	1764.45410	1764.45405	0.00005	0.00
26	27	15	1754.78819	1754.78776	0.00043	1.00	22	22	18	1764.41937	1764.41951	-0.00014	1.00
27	28	15	1754.39448	1754.39522	-0.00074	1.00	23	23	18	1764.38401	1764.38340	0.00061	1.00
28	29	15	1754.00147	1754.00114	0.00033	1.00	24	24	18	1764.34495	1764.34572	-0.00077	1.00
29	30	15	1753.60525	1753.60554	-0.00029	1.00	25	25	18	1764.30500	1764.30648	-0.00148	0.00
30	31	15	1753.20817	1753.20841	-0.00024	1.00	26	26	18	1764.26480	1764.26567	-0.00087	1.00
31	32	15	1752.81400	1752.80974	0.00426	0.00	27	27	18	1764.22407	1764.22329	0.00078	1.00
32	33	15	1752.40960	1752.40956	0.00004	1.00	28	28	18	1764.17999	1764.17934	0.00064	1.00
33	34	15	1752.00703	1752.00785	-0.00082	1.00	29	29	18	1764.13434	1764.13383	0.00051	1.00
34	35	15	1751.60554	1751.60461	0.00093	1.00	30	30	18	1764.08788	1764.08676	0.00112	1.00
35	36	15	1751.19881	1751.19986	-0.00105	1.00	18	19	18	1757.88963	1757.88792	0.00171	0.00
36	37	15	1750.79377	1750.79359	0.00018	1.00	19	20	18	1757.50713	1757.50769	-0.00057	1.00
37	38	15	1750.38548	1750.38580	-0.00032	1.00	20	21	18	1757.12600	1757.12592	0.00008	1.00
38	39	15	1749.97556	1749.97649	-0.00093	1.00	21	22	18	1756.74392	1756.74261	0.00132	0.00
39	40	15	1749.56578	1749.56567	0.00011	1.00	22	23	18	1756.35789	1756.35775	0.00013	1.00
40	41	15	1749.15348	1749.15334	0.00014	1.00	23	24	18	1755.97072	1755.97136	-0.00064	1.00
41	42	15	1748.73908	1748.73950	-0.00042	1.00	24	25	18	1755.58260	1755.58342	-0.00082	1.00
42	43	15	1748.32502	1748.32415	0.00086	1.00	25	26	18	1755.19350	1755.19395	-0.00045	1.00
43	44	15	1747.90713	1747.90730	-0.00017	1.00	26	27	18	1754.80265	1754.80294	-0.00029	1.00
44	45	15	1747.49071	1747.48894	0.00178	0.00	27	28	18	1754.41146	1754.41040	0.00106	1.00
45	46	15	1747.06911	1747.06907	0.00004	1.00	28	29	18	1754.01670	1754.01633	0.00037	1.00

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(I)	(II)	(III)	(IV)	(V)	(I)	(II)	(III)	(IV)	(V)				
29	30	18	1753.62054	1753.62072	-0.00018	1.00	22	22	21	1764.43758	1764.43718	0.00040	1.00
30	31	18	1753.22388	1753.22359	0.00029	1.00	23	23	21	1764.40070	1764.40106	-0.00036	1.00
31	32	18	1752.82575	1752.82492	0.00082	1.00	24	24	21	1764.36313	1764.36337	-0.00024	1.00
32	33	18	1752.42638	1752.42474	0.00165	0.00	25	25	21	1764.32458	1764.32412	0.00046	1.00
33	34	18	1752.02301	1752.02302	-0.00001	1.00	26	26	21	1764.28400	1764.28329	0.00070	1.00
34	35	18	1751.61897	1751.61979	-0.00082	1.00	27	27	21	1764.24078	1764.24090	-0.00013	1.00
35	36	18	1751.21380	1751.21503	-0.00124	0.00	28	28	21	1764.19596	1764.19695	-0.00098	1.00
36	37	18	1750.80923	1750.80876	0.00047	1.00	29	29	21	1764.15190	1764.15142	0.00048	1.00
37	38	18	1750.40093	1750.40097	-0.00003	1.00	30	30	21	1764.10499	1764.10434	0.00066	1.00
38	39	18	1749.99196	1749.99166	0.00030	1.00	31	31	21	1764.06000	1764.05568	0.00432	0.00
39	40	18	1749.57929	1749.58083	-0.00154	0.00	32	32	21	1764.00469	1764.00546	-0.00078	1.00
40	41	18	1749.16856	1749.16850	0.00006	1.00	33	33	21	1763.95328	1763.95368	-0.00040	1.00
41	42	18	1748.75405	1748.75465	-0.00060	1.00	21	22	21	1756.76300	1756.76058	0.00242	0.00
42	43	18	1748.33901	1748.33930	-0.00029	1.00	22	23	21	1756.37300	1756.37572	-0.00272	0.00
43	44	18	1747.92208	1747.92244	-0.00036	1.00	23	24	21	1755.98879	1755.98933	-0.00054	1.00
44	45	18	1747.50335	1747.50407	-0.00072	1.00	24	25	21	1755.60112	1755.60140	-0.00028	1.00
45	46	18	1747.08252	1747.08420	-0.00168	0.00	25	26	21	1755.21500	1755.21193	0.00307	0.00
46	47	18	1746.66223	1746.66283	-0.00059	1.00	26	27	21	1754.82008	1754.82092	-0.00085	1.00
47	48	18	1746.23871	1746.23996	-0.00125	1.00	27	28	21	1754.42953	1754.42838	0.00115	0.00
48	49	18	1745.81556	1745.81559	-0.00003	1.00	28	29	21	1754.03564	1754.03431	0.00133	0.00
49	50	18	1745.39016	1745.38972	0.00044	1.00	29	30	21	1753.63909	1753.63870	0.00039	1.00
50	51	18	1744.96400	1744.96236	0.00164	0.00	30	31	21	1753.24014	1753.24157	-0.00143	0.00
51	52	18	1744.53306	1744.53351	-0.00045	1.00	31	32	21	1752.84268	1752.84291	-0.00023	1.00
52	53	18	1744.10284	1744.10317	-0.00032	1.00	32	33	21	1752.44078	1752.44272	-0.00194	0.00
53	54	18	1743.66970	1743.67134	-0.00164	0.00	33	34	21	1752.03978	1752.04100	-0.00122	1.00
54	55	18	1743.23831	1743.23802	0.00029	1.00	34	35	21	1751.63759	1751.63777	-0.00017	1.00
55	56	18	1742.80471	1742.80322	0.00148	0.00	35	36	21	1751.23356	1751.23301	0.00055	1.00
56	57	18	1742.36660	1742.36694	-0.00034	1.00	36	37	21	1750.82562	1750.82673	-0.00111	1.00
57	58	18	1741.93264	1741.92917	0.00347	0.00	37	38	21	1750.41785	1750.41893	-0.00108	1.00
58	59	18	1741.48300	1741.48993	-0.00693	0.00	38	39	21	1750.01135	1750.00962	0.00173	0.00
59	60	18	1741.04958	1741.04921	0.00037	1.00	39	40	21	1749.59865	1749.59879	-0.00015	1.00
60	61	18	1740.60768	1740.60702	0.00066	1.00	40	41	21	1749.18787	1749.18645	0.00141	0.00
61	62	18	1740.16183	1740.16336	-0.00153	0.00	41	42	21	1748.77234	1748.77260	-0.00027	1.00
22	21	21	1772.15200	1772.14834	0.00366	0.00	42	43	21	1748.35687	1748.35724	-0.00037	1.00
23	22	21	1772.46171	1772.46252	-0.00081	1.00	43	44	21	1747.94096	1747.94037	0.00058	1.00
24	23	21	1772.77451	1772.77510	-0.00059	1.00	44	45	21	1747.52321	1747.52200	0.00121	0.00
25	24	21	1773.09000	1773.08609	0.00391	0.00	45	46	21	1747.10331	1747.10212	0.00119	0.00
26	25	21	1773.39691	1773.39548	0.00143	0.00	46	47	21	1746.68077	1746.68074	0.00003	1.00
27	26	21	1773.70325	1773.70327	-0.00002	1.00	47	48	21	1746.25860	1746.25786	0.00074	1.00
28	27	21	1774.01048	1774.00947	0.00101	1.00	48	49	21	1745.83399	1745.83348	0.00051	1.00
29	28	21	1774.31549	1774.31406	0.00143	0.00	49	50	21	1745.40755	1745.40761	-0.00006	1.00
30	29	21	1774.61797	1774.61706	0.00091	1.00	50	51	21	1744.98214	1744.98024	0.00190	0.00
31	30	21	1774.91920	1774.91845	0.00075	1.00	51	52	21	1744.55303	1744.55138	0.00166	0.00
32	31	21	1775.21731	1775.21824	-0.00093	1.00	52	53	21	1744.12244	1744.12102	0.00141	0.00
33	32	21	1775.51822	1775.51643	0.00179	0.00	53	54	21	1743.68500	1743.68918	-0.00418	0.00
34	33	21	1775.81333	1775.81301	0.00032	1.00	54	55	21	1743.25582	1743.25585	-0.00003	1.00
35	34	21	1776.10866	1776.10799	0.00067	1.00	55	56	21	1742.82119	1742.82104	0.00015	1.00
36	35	21	1776.39700	1776.40137	-0.00437	0.00	56	57	21	1742.38542	1742.38475	0.00068	1.00
37	36	21	1776.69423	1776.69314	0.00109	1.00	57	58	21	1741.94799	1741.94697	0.00102	1.00
38	37	21	1776.98100	1776.98330	-0.00230	0.00	58	59	21	1741.50889	1741.50771	0.00117	0.00
39	38	21	1777.27318	1777.27186	0.00132	0.00	59	60	21	1741.06775	1741.06698	0.00077	1.00
40	39	21	1777.55857	1777.55881	-0.00024	1.00	60	61	21	1740.62200	1740.62477	-0.00277	0.00
41	40	21	1777.84254	1777.84415	-0.00161	0.00	61	62	21	1740.18300	1740.18109	0.00191	0.00
42	41	21	1778.13069	1778.12788	0.00281	0.00	25	24	24	1773.10400	1773.10612	-0.00212	0.00
43	42	21	1778.40822	1778.41001	-0.00179	0.00	26	25	24	1773.41200	1773.41548	-0.00348	0.00
44	43	21	1778.68500	1778.69052	-0.00552	0.00	27	26	24	1773.72279	1773.72325	-0.00046	1.00
45	44	21	1778.96500	1778.96942	-0.00442	0.00	28	27	24	1774.02849	1774.02941	-0.00093	1.00
46	45	21	1779.24545	1779.24671	-0.00127	1.00	29	28	24	1774.33487	1774.33398	0.00089	1.00
47	46	21	1779.52500	1779.52239	0.00261	0.00	30	29	24	1774.63820	1774.63694	0.00126	0.00
48	47	21	1779.80100	1779.79646	0.00454	0.00	31	30	24	1774.93932	1774.93830	0.00102	1.00
49	48	21	1780.07400	1780.06891	0.00509	0.00	32	31	24	1775.23961	1775.23806	0.00155	0.00
50	49	21	1780.34458	1780.33976	0.00483	0.00	33	32	24	1775.53618	1775.53622	-0.00003	1.00
51	50	21	1780.60000	1780.60898	-0.00898	0.00	34	33	24	1775.83417	1775.83277	0.00140	0.00
52	51	21	1780.87609	1780.87660	-0.00050	1.00	35	34	24	1776.12690	1776.12772	-0.00082	1.00
53	52	21	1781.14500	1781.14260	0.00240	0.00	36	35	24	1776.42083	1776.42106	-0.00023	1.00
54	53	21	1781.40900	1781.40698	0.00202	0.00	37	36	24	1776.71165	1776.71280	-0.00114	1.00
55	54	21	1781.66993	1781.66975	0.00018	1.00	38	37	24	1777.00176	1777.00292	-0.00116	1.00
56	55	21	1781.92916	1781.93090	-0.00173	0.00	39	38	24	1777.29250	1777.29145	0.00105	0.00
57	56	21	1782.18855	1782.19043	-0.00188	0.00	40	39	24	1777.58059	1777.57836	0.00223	0.00
58	57	21	1782.44300	1782.44835	-0.00535	0.00	41	40	24	1777.86204	1777.86366	-0.00163	0.00
59	58	21	1782.71000	1782.70466	0.00534	0.00	42	41	24	1778.14899	1778.14736	0.00162	0.00
60	59	21	1782.95910	1782.95934	-0.00024	1.00	43	42	24	1778.43200	1778.42945	0.00255	0.00
61	60	21	1783.21418	1783.21241	0.00177	0.00	44	43	24	1778.70756	1778.70992	-0.00236	0.00
62	61	21	1783.46523	1783.46386	0.00137	0.00	45	44	24	1778.98995	1778.98878	0.00117	0.00
63	62	21	1783.70700	1783.71369	-0.00669	0.00	46	45	24	1779.26200	1779.26604	-0.00404	0.00
64	63	21	1783.96284	1783.96190	0.00094	1.00	47	46	24	1779.53943	1779.54168	-0.00225	0.00
65	64	21	1784.20500	1784.20849	-0.00349	0.00	48	47	24	1779.81657	1779.81570	0.00086	1.00
66	65	21	1784.45458	1784.45346	0.00112	0.00	49	48	24	1780.08643	1780.08812	-0.00169	0.00
67	66	21	1784.69540	1784.69682	-0.00142	0.00	50	49	24	1780.35800	1780.35892	-0.00091	1.00
21	21	21	1764.47209	1764.47173	0.00036	1.00	51	50	24	1780.62200	1780.62810	-0.00610	0.00

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(I)	(II)	(III)	(IV)	(V)	(I)	(II)	(III)	(IV)	(V)				
52	51	24	1780.89567	1780.89567	0.00000	1.00	39	38	27	1777.31564	1777.31372	0.00193	0.00
53	52	24	1781.15700	1781.16163	-0.00463	0.00	40	39	27	1777.60400	1777.60059	0.00341	0.00
54	53	24	1781.42709	1781.42597	0.00112	0.00	41	40	27	1777.88300	1777.88585	-0.00285	0.00
55	54	24	1781.68777	1781.68869	-0.00092	1.00	42	41	27	1778.16939	1778.16951	-0.00012	1.00
56	55	24	1781.94704	1781.94980	-0.00276	0.00	43	42	27	1778.45328	1778.45155	0.00173	0.00
57	56	24	1782.21024	1782.20929	0.00095	0.00	44	43	27	1778.74100	1778.73198	0.00902	0.00
58	57	24	1782.46852	1782.46716	0.00136	0.00	45	44	27	1779.01234	1779.01080	0.00154	0.00
59	58	24	1782.72155	1782.72342	-0.00187	0.00	46	45	27	1779.28581	1779.28801	-0.00220	0.00
60	59	24	1782.97806	1782.97806	0.00000	1.00	47	46	27	1779.56000	1779.56360	-0.00360	0.00
61	60	24	1783.22100	1783.23107	-0.01007	0.00	48	47	27	1779.83801	1779.83759	0.00042	1.00
62	61	24	1783.48273	1783.48247	0.00026	1.00	49	48	27	1780.10600	1780.10995	-0.00395	0.00
63	62	24	1783.74100	1783.73226	0.00874	0.00	50	49	27	1780.38200	1780.38071	0.00129	0.00
64	63	24	1783.97700	1783.98042	-0.00342	0.00	51	50	27	1780.64979	1780.64984	-0.00005	1.00
65	64	24	1784.22731	1784.22696	0.00035	1.00	52	51	27	1780.91300	1780.91737	-0.00437	0.00
66	65	24	1784.47022	1784.47188	-0.00166	0.00	53	52	27	1781.18165	1781.18327	-0.00163	0.00
67	66	24	1784.71276	1784.71519	-0.00243	0.00	54	53	27	1781.44698	1781.44756	-0.00059	1.00
24	24	24	1764.38401	1764.38379	0.00021	1.00	55	54	27	1781.71122	1781.71024	0.00098	1.00
25	25	24	1764.34495	1764.34452	0.00043	1.00	56	55	27	1781.97700	1781.97129	0.00571	0.00
26	26	24	1764.30488	1764.30369	0.00119	0.00	57	56	27	1782.22993	1782.23073	-0.00080	1.00
27	27	24	1764.26074	1764.26128	-0.00055	1.00	58	57	27	1782.48500	1782.48855	-0.00355	0.00
28	28	24	1764.21745	1764.21731	0.00014	1.00	59	58	27	1782.73900	1782.74476	-0.00576	0.00
29	29	24	1764.17400	1764.17178	0.00222	0.00	60	59	27	1783.00104	1782.99934	0.00170	0.00
30	30	24	1764.12473	1764.12467	0.00006	1.00	61	60	27	1783.25400	1783.25231	0.00169	0.00
31	31	24	1764.07497	1764.07600	-0.00103	1.00	62	61	27	1783.50444	1783.50365	0.00079	1.00
32	32	24	1764.02300	1764.02577	-0.00277	0.00	63	62	27	1783.75276	1783.75338	-0.00062	1.00
33	33	24	1763.97380	1763.97397	-0.00017	1.00	64	63	27	1784.00305	1784.00148	0.00157	0.00
34	34	24	1763.91975	1763.92060	-0.00086	1.00	65	64	27	1784.24838	1784.24797	0.00041	1.00
35	35	24	1763.86718	1763.86568	0.00150	0.00	66	65	27	1784.49191	1784.49284	-0.00092	1.00
36	36	24	1763.80946	1763.80919	0.00027	1.00	67	66	27	1784.73872	1784.73608	0.00264	0.00
37	37	24	1763.75194	1763.75113	0.00081	1.00	27	27	27	1764.28400	1764.28445	-0.00046	1.00
38	38	24	1763.69311	1763.69151	0.00159	0.00	28	28	27	1764.24078	1764.24047	0.00031	1.00
24	25	24	1755.62273	1755.62220	0.00053	1.00	29	29	27	1764.19596	1764.19491	0.00105	0.00
25	26	24	1755.23189	1755.23273	-0.00084	1.00	30	30	27	1764.15100	1764.14779	0.00321	0.00
26	27	24	1754.84328	1754.84172	0.00156	0.00	31	31	27	1764.09956	1764.09910	0.00046	1.00
27	28	24	1754.44912	1754.44918	-0.00006	1.00	32	32	27	1764.05100	1764.04885	0.00215	0.00
28	29	24	1754.05601	1754.05511	0.00090	1.00	33	33	27	1763.99817	1763.99703	0.00113	0.00
29	30	24	1753.65690	1753.65951	-0.00261	0.00	34	34	27	1763.94321	1763.94365	-0.00044	1.00
30	31	24	1753.26346	1753.26237	0.00109	1.00	35	35	27	1763.88752	1763.88870	-0.00118	0.00
31	32	24	1752.86387	1752.86371	0.00016	1.00	36	36	27	1763.83404	1763.83219	0.00185	0.00
32	33	24	1752.46487	1752.46352	0.00135	0.00	37	37	27	1763.77459	1763.77411	0.00048	1.00
33	34	24	1752.06207	1752.06180	0.00026	1.00	27	28	27	1754.47455	1754.47283	0.00172	0.00
34	35	24	1751.65756	1751.65856	-0.00100	1.00	28	29	27	1754.07986	1754.07876	0.00110	0.00
35	36	24	1751.25385	1751.25380	0.00005	1.00	29	30	27	1753.68200	1753.68316	-0.00115	0.00
36	37	24	1750.84807	1750.84752	0.00055	1.00	30	31	27	1753.28646	1753.28602	0.00044	1.00
37	38	24	1750.44016	1750.43972	0.00044	1.00	31	32	27	1752.88662	1752.88736	-0.00073	1.00
38	39	24	1750.03066	1750.03040	0.00025	1.00	32	33	27	1752.48771	1752.48717	0.00054	1.00
39	40	24	1749.61897	1749.61957	-0.00060	1.00	33	34	27	1752.08800	1752.08545	0.00255	0.00
40	41	24	1749.20809	1749.20722	0.00086	1.00	34	35	27	1751.68359	1751.68221	0.00139	0.00
41	42	24	1748.79264	1748.79337	-0.00073	1.00	35	36	27	1751.27689	1751.27744	-0.00055	1.00
42	43	24	1748.37718	1748.37800	-0.00082	1.00	36	37	27	1750.87188	1750.87116	0.00072	1.00
43	44	24	1747.95800	1747.96112	-0.00312	0.00	37	38	27	1750.46284	1750.46335	-0.00051	1.00
44	45	24	1747.54224	1747.54274	-0.00051	1.00	38	39	27	1750.05403	1750.05403	0.00001	1.00
45	46	24	1747.12383	1747.12286	0.00097	0.00	39	40	27	1749.64485	1749.64319	0.00166	0.00
46	47	24	1746.70421	1746.70147	0.00274	0.00	40	41	27	1749.22943	1749.23084	-0.00140	0.00
47	48	24	1746.27930	1746.27858	0.00072	1.00	41	42	27	1748.81845	1748.81697	0.00148	0.00
48	49	24	1745.85488	1745.85419	0.00069	1.00	42	43	27	1748.40305	1748.40160	0.00145	0.00
49	50	24	1745.42876	1745.42830	0.00045	1.00	43	44	27	1747.98314	1747.98472	-0.00157	0.00
50	51	24	1745.00109	1745.00092	0.00016	1.00	44	45	27	1747.56582	1747.56633	-0.00051	1.00
51	52	24	1744.57178	1744.57205	-0.00027	1.00	45	46	27	1747.14777	1747.14643	0.00134	0.00
52	53	24	1744.14249	1744.14168	0.00081	1.00	46	47	27	1746.72501	1746.72503	-0.00002	1.00
53	54	24	1743.71045	1743.70983	0.00062	1.00	47	48	27	1746.30500	1746.30213	0.00287	0.00
54	55	24	1743.27830	1743.27649	0.00181	0.00	48	49	27	1745.87500	1745.87773	-0.00273	0.00
55	56	24	1742.84086	1742.84166	-0.00080	1.00	49	50	27	1745.44995	1745.45183	-0.00188	0.00
56	57	24	1742.40698	1742.40535	0.00163	0.00	50	51	27	1745.02359	1745.02444	-0.00085	1.00
57	58	24	1741.96918	1741.96756	0.00163	0.00	51	52	27	1744.59200	1744.59555	-0.00355	0.00
58	59	24	1741.52600	1741.52829	-0.00229	0.00	52	53	27	1744.16642	1744.16517	0.00124	0.00
59	60	24	1741.08660	1741.08754	-0.00093	1.00	53	54	27	1743.73229	1743.73330	-0.00102	1.00
60	61	24	1740.65100	1740.64531	0.00569	0.00	54	55	27	1743.30082	1743.29995	0.00088	1.00
61	62	24	1740.20334	1740.20161	0.00173	0.00	55	56	27	1742.86497	1742.86510	-0.00013	1.00
28	27	27	1774.05035	1774.05209	-0.00174	0.00	56	57	27	1742.42784	1742.42878	-0.00093	1.00
29	28	27	1774.35900	1774.35662	0.00238	0.00	57	58	27	1741.99213	1741.99097	0.00116	0.00
30	29	27	1774.65500	1774.65955	-0.00455	0.00	58	59	27	1741.55071	1741.55168	-0.00097	1.00
31	30	27	1774.95838	1774.96087	-0.00249	0.00	59	60	27	1741.11080	1741.11091	-0.00011	1.00
32	31	27	1775.25847	1775.26060	-0.00213	0.00	60	61	27	1740.66990	1740.66867	0.00123	0.00
33	32	27	1775.55980	1775.55872	0.00109	0.00	61	62	27	1740.22708	1740.22495	0.00213	0.00
34	33	27	1775.85664	1775.85523	0.00141	0.00	31	30	30	1774.98675	1774.98619	0.00056	1.00
35	34	27	1776.15034	1776.15014	0.00020	1.00	32	31	30	1775.28900	1775.28587	0.00313	0.00
36	35	27	1776.44196	1776.44345	-0.00149	0.00	33	32	30	1775.58700	1775.58395	0.00305	0.00
37	36	27	1776.73426	1776.73514	-0.00088	1.00	34	33	30	1775.88070	1775.88043	0.00027	1.00
38	37	27	1777.02512	1777.02523	-0.00012	1.00	35	34	30	1776.17731	1776.17530	0.00202	0.00

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(I)	(II)	(III)	(IV)	(V)	(I)	(II)	(III)	(IV)	(V)				
36	35	30	1776.46200	1776.46856	-0.00656	0.00	34	33	33	1775.91021	1775.90838	0.00183	0.00
37	36	30	1776.75760	1776.76021	-0.00261	0.00	35	34	33	1776.20338	1776.20321	0.00018	1.00
38	37	30	1777.05132	1777.05026	0.00106	0.00	36	35	33	1776.49900	1776.49642	0.00258	0.00
39	38	30	1777.33751	1777.33869	-0.00118	0.00	37	36	33	1776.78970	1776.78803	0.00167	0.00
40	39	30	1777.62663	1777.62552	0.00111	0.00	38	37	33	1777.07898	1777.07803	0.00095	1.00
41	40	30	1777.91005	1777.91074	-0.00069	1.00	39	38	33	1777.36900	1777.36641	0.00259	0.00
42	41	30	1778.19100	1778.19435	-0.00335	0.00	40	39	33	1777.65578	1777.65319	0.00259	0.00
43	42	30	1778.47599	1778.47634	-0.00035	1.00	41	40	33	1777.93802	1777.93836	-0.00033	1.00
44	43	30	1778.75747	1778.75673	0.00074	1.00	42	41	33	1778.21800	1778.22192	-0.00392	0.00
45	44	30	1779.03650	1779.03550	0.00100	1.00	43	42	33	1778.50429	1778.50386	0.00043	1.00
46	45	30	1779.31310	1779.31266	0.00044	1.00	44	43	33	1778.78000	1778.78419	-0.00419	0.00
47	46	30	1779.59200	1779.58820	0.00380	0.00	45	44	33	1779.06000	1779.06291	-0.00291	0.00
48	47	30	1779.86223	1779.86213	0.00010	1.00	46	45	33	1779.34600	1779.34001	0.00599	0.00
49	48	30	1780.13575	1780.13445	0.00130	0.00	47	46	33	1779.61700	1779.61550	0.00150	0.00
50	49	30	1780.40462	1780.40515	-0.00053	1.00	48	47	33	1779.89075	1779.88938	0.00138	0.00
51	50	30	1780.67800	1780.67424	0.00376	0.00	49	48	33	1780.16208	1780.16164	0.00045	1.00
52	51	30	1780.94600	1780.94171	0.00429	0.00	50	49	33	1780.43368	1780.43228	0.00140	0.00
53	52	30	1781.20915	1781.20756	0.00159	0.00	51	50	33	1780.70293	1780.70131	0.00162	0.00
54	53	30	1781.47116	1781.47179	-0.00063	1.00	52	51	33	1780.97001	1780.96872	0.00129	0.00
55	54	30	1781.73800	1781.73441	0.00359	0.00	53	52	33	1781.24000	1781.23451	0.00549	0.00
56	55	30	1781.99572	1781.99541	0.00031	1.00	54	53	33	1781.49929	1781.49869	0.00061	1.00
57	56	30	1782.26000	1782.25479	0.00521	0.00	55	54	33	1781.76476	1781.76124	0.00351	0.00
58	57	30	1782.50900	1782.51256	-0.00356	0.00	56	55	33	1782.02311	1782.02218	0.00093	1.00
59	58	30	1782.77077	1782.76870	0.00207	0.00	57	56	33	1782.28362	1782.28150	0.00212	0.00
60	59	30	1783.02000	1783.02323	-0.00323	0.00	58	57	33	1782.53623	1782.53920	-0.00297	0.00
61	60	30	1783.27780	1783.27613	0.00167	0.00	59	58	33	1782.79454	1782.79528	-0.00074	1.00
62	61	30	1783.52871	1783.52742	0.00130	0.00	60	59	33	1783.04857	1783.04974	-0.00117	0.00
63	62	30	1783.77200	1783.77708	-0.00508	0.00	61	60	33	1783.30278	1783.30258	0.00021	1.00
30	30	30	1764.17422	1764.17372	0.00050	1.00	62	61	33	1783.55205	1783.55379	-0.00174	0.00
31	31	30	1764.12473	1764.12501	-0.00028	1.00	33	33	33	1764.05115	1764.05160	-0.00045	1.00
32	32	30	1764.07497	1764.07474	0.00023	1.00	34	34	33	1763.99817	1763.99817	0.00000	1.00
33	33	30	1764.02348	1764.02290	0.00059	1.00	35	35	33	1763.94321	1763.94317	0.00004	1.00
34	34	30	1763.96937	1763.96949	-0.00013	1.00	36	36	33	1763.88752	1763.88661	0.00091	1.00
35	35	30	1763.91440	1763.91452	-0.00012	1.00	37	37	33	1763.82839	1763.82849	-0.00010	1.00
36	36	30	1763.86000	1763.85799	0.00201	0.00	38	38	33	1763.77016	1763.76879	0.00137	0.00
37	37	30	1763.79962	1763.79989	-0.00027	1.00	39	39	33	1763.71000	1763.70754	0.00246	0.00
38	38	30	1763.73959	1763.74022	-0.00063	1.00	40	40	33	1763.64599	1763.64472	0.00127	0.00
39	39	30	1763.68100	1763.67900	0.00200	0.00	41	41	33	1763.57967	1763.58034	-0.00067	1.00
40	40	30	1763.61675	1763.61621	0.00054	1.00	42	42	33	1763.51406	1763.51440	-0.00034	1.00
41	41	30	1763.55038	1763.55186	-0.00147	0.00	43	43	33	1763.44800	1763.44689	0.00111	0.00
42	42	30	1763.48000	1763.48594	-0.00594	0.00	44	44	33	1763.37689	1763.37783	-0.00093	1.00
43	43	30	1763.41892	1763.41847	0.00045	1.00	45	45	33	1763.30594	1763.30720	-0.00126	0.00
44	44	30	1763.34983	1763.34943	0.00039	1.00	46	46	33	1763.23560	1763.23501	0.00059	1.00
45	45	30	1763.27825	1763.27884	-0.00059	1.00	47	47	33	1763.16026	1763.16127	-0.00101	0.00
46	46	30	1763.20900	1763.20669	0.00231	0.00	48	48	33	1763.08462	1763.08596	-0.00134	0.00
47	47	30	1763.13222	1763.13297	-0.00075	1.00	49	49	33	1763.01100	1763.00910	0.00190	0.00
48	48	30	1763.05822	1763.05770	0.00052	1.00	34	35	33	1751.73923	1751.73814	0.00110	0.00
49	49	30	1762.97939	1762.98088	-0.00149	0.00	35	36	33	1751.33219	1751.33336	-0.00117	0.00
30	31	30	1753.31324	1753.31254	0.00070	1.00	36	37	33	1750.92736	1750.92707	0.00029	1.00
31	32	30	1752.91419	1752.91388	0.00031	1.00	37	38	33	1750.51897	1750.51925	-0.00028	1.00
32	33	30	1752.51468	1752.51369	0.00099	1.00	38	39	33	1750.11500	1750.10992	0.00508	0.00
33	34	30	1752.11191	1752.11197	-0.00006	1.00	39	40	33	1749.69929	1749.69907	0.00022	1.00
34	35	30	1751.71100	1751.70872	0.00228	0.00	40	41	33	1749.28400	1749.28670	-0.00270	0.00
35	36	30	1751.30479	1751.30395	0.00083	1.00	41	42	33	1748.87500	1748.87282	0.00218	0.00
36	37	30	1750.89877	1750.89766	0.00111	0.00	42	43	33	1748.45667	1748.45743	-0.00076	1.00
37	38	30	1750.48931	1750.48985	-0.00054	1.00	43	44	33	1748.04073	1748.04053	0.00020	1.00
38	39	30	1750.08119	1750.08052	0.00067	1.00	44	45	33	1747.62313	1747.62212	0.00101	1.00
39	40	30	1749.66933	1749.66968	-0.00035	1.00	45	46	33	1747.20209	1747.20220	-0.00011	1.00
40	41	30	1749.25863	1749.25732	0.00131	0.00	46	47	33	1746.77958	1746.78078	-0.00119	0.00
41	42	30	1748.84395	1748.84345	0.00050	1.00	47	48	33	1746.35300	1746.35785	-0.00485	0.00
42	43	30	1748.42709	1748.42807	-0.00097	1.00	48	49	33	1745.93527	1745.93343	0.00184	0.00
43	44	30	1748.01047	1748.01117	-0.00070	1.00	49	50	33	1745.50552	1745.50750	-0.00198	0.00
44	45	30	1747.59205	1747.59277	-0.00072	1.00	50	51	33	1745.07600	1745.08008	-0.00408	0.00
45	46	30	1747.17277	1747.17287	-0.00010	1.00	51	52	33	1744.65215	1744.65116	0.00099	1.00
46	47	30	1746.75277	1746.75146	0.00131	0.00	52	53	33	1744.22102	1744.22075	0.00027	1.00
47	48	30	1746.32891	1746.32854	0.00037	1.00	53	54	33	1743.78755	1743.78885	-0.00129	0.00
48	49	30	1745.90424	1745.90413	0.00011	1.00	54	55	33	1743.35636	1743.35545	0.00090	1.00
49	50	30	1745.47724	1745.47822	-0.00099	1.00	55	56	33	1742.92258	1742.92057	0.00200	0.00
50	51	30	1745.05184	1745.05081	0.00103	0.00	56	57	33	1742.48596	1742.48421	0.00175	0.00
51	52	30	1744.62234	1744.62191	0.00043	1.00	57	58	33	1742.04506	1742.04636	-0.00130	0.00
52	53	30	1744.19283	1744.19152	0.00131	0.00	58	59	33	1741.61000	1741.60703	0.00297	0.00
53	54	30	1743.75929	1743.75963	-0.00034	1.00	59	60	33	1741.16686	1741.16622	0.00065	1.00
54	55	30	1743.33000	1743.32626	0.00374	0.00	60	61	33	1740.72337	1740.72393	-0.00056	1.00
55	56	30	1742.89286	1742.89140	0.00146	0.00	61	62	33	1740.28204	1740.28016	0.00188	0.00
56	57	30	1742.45385	1742.45505	-0.00121	0.00	43	42	36	1778.53100	1778.53413	-0.00313	0.00
57	58	30	1742.01637	1742.01722	-0.00085	1.00	44	43	36	1778.81719	1778.81440	0.00279	0.00
58	59	30	1741.57816	1741.57791	0.00025	1.00	45	44	36	1779.09285	1779.09306	-0.00021	1.00
59	60	30	1741.13200	1741.13713	-0.00513	0.00	46	45	36	1779.37002	1779.37011	-0.00009	1.00
60	61	30	1740.69598	1740.69486	0.00111	0.00	47	46	36	1779.64512	1779.64554	-0.00042	1.00
61	62	30	1740.25352	1740.25112	0.00240	0.00	48	47	36	1779.91700	1779.91935	-0.00235	0.00

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(I)	(II)	(III)	(IV)	(V)	(I)	(II)	(III)	(IV)	(V)
49 48 36	1780.19171	1780.19155	0.00016	1.00	60 61 39	1740.78600	1740.79081	-0.00481	0.00
50 49 36	1780.46000	1780.46213	-0.00213	0.00	61 62 39	1740.34748	1740.34700	0.00049	1.00
36 36 36	1763.91975	1763.91810	0.00165	0.00	42 42 42	1763.61675	1763.61697	-0.00022	1.00
37 37 36	1763.85990	1763.85994	-0.00004	1.00	43 43 42	1763.55038	1763.54936	0.00103	1.00
38 38 36	1763.79962	1763.80022	-0.00060	1.00	44 44 42	1763.47930	1763.48018	-0.00088	1.00
39 39 36	1763.73959	1763.73893	0.00065	1.00	45 45 42	1763.40908	1763.40944	-0.00035	1.00
40 40 36	1763.67634	1763.67609	0.00026	1.00	46 46 42	1763.33861	1763.33713	0.00148	0.00
41 41 36	1763.61075	1763.61167	-0.00093	1.00	47 47 42	1763.26473	1763.26327	0.00147	0.00
42 42 36	1763.54536	1763.54570	-0.00034	1.00	48 48 42	1763.18804	1763.18784	0.00020	1.00
43 43 36	1763.47930	1763.47816	0.00114	1.00	49 49 42	1763.11300	1763.11085	0.00215	0.00
44 44 36	1763.40908	1763.40906	0.00003	1.00	50 50 42	1763.03067	1763.03230	-0.00163	0.00
45 45 36	1763.33861	1763.33839	0.00022	1.00	51 51 42	1762.95250	1762.95220	0.00031	1.00
46 46 36	1763.26473	1763.26617	-0.00144	0.00	52 52 42	1762.87062	1762.87053	0.00008	1.00
47 47 36	1763.19277	1763.19239	0.00038	1.00	53 53 42	1762.78702	1762.78731	-0.00029	1.00
48 48 36	1763.11300	1763.11705	-0.00405	0.00	54 54 42	1762.70288	1762.70253	0.00035	1.00
49 49 36	1763.04112	1763.04015	0.00097	1.00	55 55 42	1762.61400	1762.61619	-0.00219	0.00
50 50 36	1762.96700	1762.96169	0.00531	0.00	56 56 42	1762.52600	1762.52830	-0.00230	0.00
51 51 36	1762.88259	1762.88167	0.00092	1.00	49 50 42	1745.61433	1745.61303	0.00130	0.00
36 37 36	1750.96300	1750.95941	0.00359	0.00	50 51 42	1745.18426	1745.18555	-0.00129	0.00
37 38 36	1750.54900	1750.55159	-0.00259	0.00	51 52 42	1744.75830	1744.75658	0.00172	0.00
38 39 36	1750.14311	1750.14225	0.00086	1.00	52 53 42	1744.32000	1744.32611	-0.00611	0.00
39 40 36	1749.73042	1749.73139	-0.00097	1.00	53 54 42	1743.89900	1743.89414	0.00486	0.00
40 41 36	1749.31904	1749.31902	0.00002	1.00	54 55 42	1743.46016	1743.46068	-0.00052	1.00
41 42 36	1748.90900	1748.90513	0.00387	0.00	55 56 42	1743.02695	1743.02574	0.00121	0.00
42 43 36	1748.49020	1748.48972	0.00047	1.00	56 57 42	1742.58700	1742.58930	-0.00230	0.00
43 44 36	1748.07191	1748.07281	-0.00090	1.00	57 58 42	1742.15063	1742.15138	-0.00075	1.00
44 45 36	1747.65245	1747.65439	-0.00194	0.00	58 59 42	1741.71067	1741.71197	-0.00131	0.00
45 46 36	1747.22800	1747.23446	-0.00646	0.00	59 60 42	1741.27112	1741.27108	0.00004	1.00
46 47 36	1746.81314	1746.81302	0.00012	1.00	60 61 42	1740.82920	1740.82871	0.00049	1.00
47 48 36	1746.38981	1746.39008	-0.00028	1.00	61 62 42	1740.38304	1740.38486	-0.00182	0.00
48 49 36	1745.96590	1745.96564	0.00025	1.00	45 45 45	1763.44854	1763.44936	-0.00082	1.00
49 50 36	1745.53891	1745.53970	-0.00079	1.00	46 46 45	1763.37689	1763.37701	-0.00012	1.00
50 51 36	1745.11362	1745.11226	0.00136	0.00	47 47 45	1763.30594	1763.30310	0.00284	0.00
51 52 36	1744.68179	1744.68333	-0.00153	0.00	48 48 45	1763.22965	1763.22763	0.00202	0.00
52 53 36	1744.25166	1744.25290	-0.00124	0.00	49 49 45	1763.15154	1763.15059	0.00095	1.00
53 54 36	1743.82294	1743.82098	0.00196	0.00	50 50 45	1763.07239	1763.07200	0.00039	1.00
54 55 36	1743.38901	1743.38756	0.00145	0.00	51 51 45	1762.99166	1762.99184	-0.00018	1.00
55 56 36	1742.95000	1742.95266	-0.00266	0.00	52 52 45	1762.90854	1762.91012	-0.00159	0.00
56 57 36	1742.51470	1742.51628	-0.00157	0.00	53 53 45	1762.82860	1762.82685	0.00175	0.00
57 58 36	1742.07599	1742.07840	-0.00241	0.00	54 54 45	1762.74169	1762.74201	-0.00032	1.00
58 59 36	1741.63875	1741.63905	-0.00029	1.00	55 55 45	1762.65615	1762.65562	0.00052	1.00
59 60 36	1741.21200	1741.19821	0.01379	0.00	56 56 45	1762.56500	1762.56767	-0.00267	0.00
60 61 36	1740.75800	1740.75590	0.00210	0.00	57 57 45	1762.47927	1762.47817	0.00110	1.00
61 62 36	1740.31341	1740.31211	0.00130	0.00	58 58 45	1762.38647	1762.38711	-0.00064	1.00
39 39 39	1763.77459	1763.77322	0.00137	0.00	59 59 45	1762.30000	1762.29450	0.00550	0.00
40 40 39	1763.71029	1763.71033	-0.00004	1.00	60 60 45	1762.20500	1762.20033	0.00467	0.00
41 41 39	1763.64599	1763.64589	0.00010	1.00	61 61 45	1762.10371	1762.10461	-0.00090	1.00
42 42 39	1763.57967	1763.57987	-0.00020	1.00	49 50 45	1745.65681	1745.65423	0.00259	0.00
43 43 39	1763.51406	1763.51230	0.00176	0.00	50 51 45	1745.23300	1745.22673	0.00627	0.00
44 44 39	1763.44100	1763.44316	-0.00216	0.00	51 52 45	1744.79587	1744.79774	-0.00187	0.00
45 45 39	1763.37000	1763.37246	-0.00246	0.00	52 53 45	1744.36612	1744.36724	-0.00113	0.00
46 46 39	1763.30057	1763.30020	0.00037	1.00	53 54 45	1743.93412	1743.93526	-0.00114	0.00
47 47 39	1763.22518	1763.22638	-0.00119	0.00	54 55 45	1743.50133	1743.50178	-0.00045	1.00
48 48 39	1763.15154	1763.15099	0.00055	1.00	55 56 45	1743.06900	1743.06680	0.00220	0.00
49 49 39	1763.07239	1763.07405	-0.00166	0.00	56 57 45	1742.62996	1742.63034	-0.00038	1.00
50 50 39	1762.99100	1762.99555	-0.00455	0.00	57 58 45	1742.19418	1742.19239	0.00179	0.00
51 51 39	1762.91300	1762.91549	-0.00249	0.00	58 59 45	1741.75310	1741.75296	0.00015	1.00
52 52 39	1762.83800	1762.83387	0.00413	0.00	59 60 45	1741.31144	1741.31204	-0.00059	1.00
53 53 39	1762.75103	1762.75070	0.00034	1.00	60 61 45	1740.87146	1740.86964	0.00183	0.00
54 54 39	1762.67000	1762.66597	0.00403	0.00	61 62 45	1740.42433	1740.42576	-0.00143	0.00
55 55 39	1762.59000	1762.57968	0.01032	0.00	48 48 48	1763.27119	1763.27040	0.00079	1.00
56 56 39	1762.49000	1762.49184	-0.00184	0.00	49 49 48	1763.19277	1763.19332	-0.00055	1.00
42 43 39	1748.52299	1748.52498	-0.00200	0.00	50 50 48	1763.11376	1763.11467	-0.00091	1.00
43 44 39	1748.10805	1748.10806	-0.00001	1.00	51 51 48	1763.03100	1763.03446	-0.00346	0.00
44 45 39	1747.68967	1747.68963	0.00004	1.00	52 52 48	1762.95250	1762.95269	-0.00018	1.00
45 46 39	1747.27400	1747.26968	0.00432	0.00	53 53 48	1762.87062	1762.86936	0.00126	0.00
46 47 39	1746.84832	1746.84823	0.00009	1.00	54 54 48	1762.78700	1762.78447	0.00253	0.00
47 48 39	1746.42797	1746.42528	0.00269	0.00	55 55 48	1762.69775	1762.69802	-0.00027	1.00
48 49 39	1746.00163	1746.00082	0.00081	1.00	56 56 48	1762.61400	1762.61001	0.00399	0.00
49 50 39	1745.57200	1745.57486	-0.00286	0.00	57 57 48	1762.52097	1762.52045	0.00053	1.00
50 51 39	1745.14719	1745.14741	-0.00021	1.00	58 58 48	1762.42803	1762.42933	-0.00129	0.00
51 52 39	1744.71622	1744.71845	-0.00224	0.00	59 59 48	1762.33773	1762.33665	0.00108	1.00
52 53 39	1744.28870	1744.28800	0.00070	1.00	60 60 48	1762.24500	1762.24242	0.00258	0.00
53 54 39	1743.85521	1743.85606	-0.00085	1.00	61 61 48	1762.14710	1762.14664	0.00047	1.00
54 55 39	1743.42000	1743.42263	-0.00263	0.00	60 61 48	1740.91572	1740.91363	0.00209	0.00
55 56 39	1742.98807	1742.98770	0.00037	1.00	61 62 48	1740.46600	1740.46971	-0.00371	0.00
56 57 39	1742.54800	1742.55129	-0.00329	0.00	51 51 51	1763.07967	1763.08010	-0.00043	1.00
57 58 39	1742.11309	1742.11340	-0.00030	1.00	52 52 51	1762.99996	1762.99827	0.00169	0.00
58 59 39	1741.66800	1741.67402	-0.00602	0.00	53 53 51	1762.91387	1762.91488	-0.00102	0.00
59 60 39	1741.23239	1741.23316	-0.00076	1.00	54 54 51	1762.82800	1762.82993	-0.00193	0.00

Continued

(I)		(II)	(III)	(IV)	(V)	(I)		(II)	(III)	(IV)	(V)
55	55 51	1762.74100	1762.74342	-0.00242	0.00	60	61 51	1740.95995	1740.96074	-0.00079	0.00
56	56 51	1762.65615	1762.65535	0.00079	1.00	54	54 54	1762.87828	1762.87847	-0.00019	1.00
57	57 51	1762.56534	1762.56573	-0.00039	1.00	55	55 54	1762.79700	1762.79189	0.00511	0.00
58	58 51	1762.47900	1762.47454	0.00446	0.00	56	56 54	1762.70288	1762.70376	-0.00088	0.00
59	59 51	1762.38135	1762.38180	-0.00045	1.00	57	57 57	1762.67000	1762.66551	0.00449	0.00
60	60 51	1762.28739	1762.28750	-0.00011	1.00						