

Table VI Wavenumbers of the Observed and Calculated Transitions in the $\nu_2 + \nu_3$ Band of $\text{F}^{37}\text{Cl}^{16}\text{O}_3$

(I)			(II)	(III)	(IV)	(V)	(I)			(II)	(III)	(IV)	(V)
1	0	0	1252.90476	1252.90332	0.00145	0.00	40	41	0	1237.37630	1237.37702	-0.00072	1.00
2	1	0	1253.25211	1253.25199	0.00012	1.00	41	42	0	1236.98931	1236.98665	0.00266	0.00
3	2	0	1253.59917	1253.59966	-0.00050	1.00	42	43	0	1236.59475	1236.59534	-0.00059	1.00
4	3	0	1253.94799	1253.94635	0.00165	0.00	43	44	0	1236.20262	1236.20307	-0.00046	1.00
5	4	0	1254.29222	1254.29203	0.00019	1.00	44	45	0	1235.80959	1235.80986	-0.00027	1.00
6	5	0	1254.63547	1254.63672	-0.00125	0.00	45	46	0	1235.41515	1235.41571	-0.00055	1.00
7	6	0	1254.97997	1254.98041	-0.00044	1.00	46	47	0	1235.02006	1235.02060	-0.00054	1.00
8	7	0	1255.32443	1255.32311	0.00132	0.00	47	48	0	1234.62439	1234.62455	-0.00016	1.00
9	8	0	1255.66600	1255.66480	0.00120	0.00	48	49	0	1234.23127	1234.22756	0.00371	0.00
10	9	0	1256.00844	1256.00549	0.00295	0.00	49	50	0	1233.82944	1233.82962	-0.00017	1.00
11	10	0	1256.34223	1256.34517	-0.00294	0.00	50	51	0	1233.42996	1233.43073	-0.00077	1.00
12	11	0	1256.68399	1256.68385	0.00014	1.00	51	52	0	1233.03003	1233.03091	-0.00088	1.00
13	12	0	1257.02103	1257.02153	-0.00050	1.00	52	53	0	1232.62975	1232.63014	-0.00038	1.00
14	13	0	1257.35714	1257.35820	-0.00105	0.00	53	54	0	1232.23113	1232.22843	0.00270	0.00
15	14	0	1257.69185	1257.69386	-0.00200	0.00	54	55	0	1231.82960	1231.82578	0.00382	0.00
16	15	0	1258.02721	1258.02851	-0.00129	0.00	55	56	0	1231.42144	1231.42219	-0.00075	1.00
17	16	0	1258.36216	1258.36214	0.00002	1.00	56	57	0	1231.01674	1231.01765	-0.00091	1.00
18	17	0	1258.69427	1258.69477	-0.00050	1.00	57	58	0	1230.61108	1230.61218	-0.00111	0.00
19	18	0	1259.02527	1259.02638	-0.00111	0.00	58	59	0	1230.20924	1230.20578	0.00346	0.00
20	19	0	1259.36035	1259.35698	0.00338	0.00	59	60	0	1229.79738	1229.79843	-0.00105	0.00
21	20	0	1259.68874	1259.68655	0.00219	0.00	60	61	0	1229.38857	1229.39015	-0.00158	0.00
22	21	0	1260.01422	1260.01511	-0.00090	1.00	61	62	0	1228.97898	1228.98093	-0.00194	0.00
23	22	0	1260.34475	1260.34266	0.00210	0.00	62	63	0	1228.56969	1228.57077	-0.00108	0.00
24	23	0	1260.66859	1260.66917	-0.00059	1.00	63	64	0	1228.15809	1228.15968	-0.00159	0.00
25	24	0	1260.99286	1260.99467	-0.00181	0.00	64	65	0	1227.74672	1227.74766	-0.00094	1.00
26	25	0	1261.31686	1261.31914	-0.00229	0.00	65	66	0	1227.33399	1227.33470	-0.00071	1.00
27	26	0	1261.64383	1261.64259	0.00124	0.00	66	67	0	1226.91546	1226.92080	-0.00534	0.00
5	6	0	1250.43714	1250.43492	0.00223	0.00	67	68	0	1226.50986	1226.50598	0.00388	0.00
6	7	0	1250.07826	1250.07834	-0.00008	1.00	68	69	0	1226.08837	1226.09022	-0.00185	0.00
7	8	0	1249.72017	1249.72079	-0.00062	1.00	69	70	0	1225.67526	1225.67353	0.00173	0.00
8	9	0	1249.36460	1249.36225	0.00235	0.00	70	71	0	1225.25579	1225.25590	-0.00012	0.00
9	10	0	1249.00237	1249.00273	-0.00036	1.00	71	72	0	1224.83727	1224.83735	-0.00008	1.00
10	11	0	1248.64097	1248.64224	-0.00127	0.00	72	73	0	1224.42034	1224.41787	0.00247	0.00
11	12	0	1248.28420	1248.28076	0.00344	0.00	73	74	0	1224.00119	1223.99745	0.00373	0.00
12	13	0	1247.91773	1247.91831	-0.00058	1.00	74	75	0	1223.57635	1223.57611	0.00024	1.00
13	14	0	1247.55410	1247.55488	-0.00078	1.00	75	76	0	1223.15249	1223.15384	-0.00135	0.00
14	15	0	1247.19279	1247.19048	0.00231	0.00	4	3	3	1253.94799	1253.95000	-0.00201	0.00
15	16	0	1246.82767	1246.82510	0.00257	0.00	5	4	3	1254.29647	1254.29568	0.00079	1.00
16	17	0	1246.45835	1246.45875	-0.00040	1.00	6	5	3	1254.63975	1254.64037	-0.00062	1.00
17	18	0	1246.09423	1246.09143	0.00280	0.00	7	6	3	1254.98483	1254.98406	0.00076	1.00
18	19	0	1245.72283	1245.72314	-0.00031	1.00	8	7	3	1255.32443	1255.32675	-0.00232	0.00
19	20	0	1245.35645	1245.35388	0.00257	0.00	9	8	3	1255.66600	1255.66845	-0.00245	0.00
20	21	0	1244.98276	1244.98365	-0.00088	1.00	10	9	3	1256.00844	1256.00913	-0.00070	1.00
21	22	0	1244.61200	1244.61245	-0.00045	1.00	11	10	3	1256.34937	1256.34882	0.00056	1.00
22	23	0	1244.23989	1244.24028	-0.00039	1.00	12	11	3	1256.68779	1256.68750	0.00030	1.00
23	24	0	1243.86998	1243.86715	0.00283	0.00	13	12	3	1257.02519	1257.02517	0.00002	1.00
24	25	0	1243.49586	1243.49305	0.00281	0.00	14	13	3	1257.36204	1257.36184	0.00020	1.00
25	26	0	1243.11735	1243.11799	-0.00065	1.00	15	14	3	1257.69764	1257.69750	0.00015	1.00
26	27	0	1242.74137	1242.74197	-0.00060	1.00	16	15	3	1258.03267	1258.03215	0.00052	1.00
27	28	0	1242.36461	1242.36498	-0.00038	1.00	17	16	3	1258.36631	1258.36578	0.00052	1.00
28	29	0	1241.98662	1241.98704	-0.00041	1.00	18	17	3	1258.69826	1258.69841	-0.00015	1.00
29	30	0	1241.61077	1241.60813	0.00264	0.00	19	18	3	1259.03064	1259.03002	0.00062	1.00
30	31	0	1241.22812	1241.22826	-0.00015	1.00	20	19	3	1259.36035	1259.36061	-0.00026	1.00
31	32	0	1240.84689	1240.84744	-0.00055	1.00	21	20	3	1259.68874	1259.69019	-0.00144	0.00
32	33	0	1240.46843	1240.46565	0.00278	0.00	22	21	3	1260.01844	1260.01875	-0.00031	1.00
33	34	0	1240.08272	1240.08291	-0.00020	1.00	23	22	3	1260.34475	1260.34629	-0.00154	0.00
34	35	0	1239.69858	1239.69922	-0.00064	1.00	24	23	3	1260.67313	1260.67281	0.00033	1.00
35	36	0	1239.31395	1239.31457	-0.00062	1.00	25	24	3	1260.99879	1260.99830	0.00049	1.00
36	37	0	1238.93181	1238.92896	0.00285	0.00	26	25	3	1261.32515	1261.32277	0.00238	0.00
37	38	0	1238.54207	1238.54240	-0.00034	1.00	27	26	3	1261.64791	1261.64622	0.00170	0.00
38	39	0	1238.15766	1238.15489	0.00277	0.00	28	27	3	1069.75193	1261.96863	*****	1.00
39	40	0	1237.76574	1237.76643	-0.00068	1.00	3	3	3	1252.55000	1252.55137	-0.00137	0.00

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

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

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

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

(V) Transition weight..

Continued

(I)			(II)	(III)	(IV)	(V)	(I)			(II)	(III)	(IV)	(V)
4	4	3	1252.54796	1252.54740	0.00056	1.00	13	12	6	1257.03578	1257.03610	-0.00033	1.00
5	5	3	1252.54158	1252.54245	-0.00087	1.00	14	13	6	1257.37300	1257.37277	0.00023	1.00
6	6	3	1252.54000	1252.53650	0.00350	0.00	15	14	6	1257.70900	1257.70842	0.00057	1.00
5	6	3	1250.43714	1250.43858	-0.00144	0.00	16	15	6	1258.04327	1258.04307	0.00021	1.00
6	7	3	1250.08169	1250.08201	-0.00032	1.00	17	16	6	1258.37701	1258.37670	0.00030	1.00
7	8	3	1249.72471	1249.72445	0.00025	1.00	18	17	6	1258.70960	1258.70932	0.00028	1.00
8	9	3	1249.36460	1249.36592	-0.00132	0.00	19	18	6	1259.04150	1259.04093	0.00057	1.00
9	10	3	1249.00621	1249.00640	-0.00019	1.00	20	19	6	1259.37180	1259.37152	0.00028	1.00
10	11	3	1248.64617	1248.64590	0.00026	1.00	21	20	6	1259.70094	1259.70110	-0.00015	1.00
11	12	3	1248.28420	1248.28443	-0.00023	1.00	22	21	6	1260.02974	1260.02965	0.00009	1.00
12	13	3	1247.92105	1247.92198	-0.00093	1.00	23	22	6	1260.35675	1260.35719	-0.00044	1.00
13	14	3	1247.55853	1247.55855	-0.00003	1.00	24	23	6	1260.68415	1260.68370	0.00045	1.00
14	15	3	1247.19279	1247.19415	-0.00136	0.00	25	24	6	1261.00857	1261.00919	-0.00062	1.00
15	16	3	1246.82767	1246.82878	-0.00111	0.00	26	25	6	1261.33337	1261.33366	-0.00029	1.00
16	17	3	1246.46244	1246.46243	0.00001	1.00	27	26	6	1261.65753	1261.65710	0.00042	1.00
17	18	3	1246.09423	1246.09511	-0.00088	1.00	6	6	6	1252.54796	1252.54747	0.00049	1.00
18	19	3	1245.72680	1245.72682	-0.00001	1.00	7	7	6	1252.53800	1252.54054	-0.00254	0.00
19	20	3	1245.35645	1245.35755	-0.00111	0.00	8	8	6	1252.53000	1252.53261	-0.00261	0.00
20	21	3	1244.98760	1244.98732	0.00028	1.00	9	9	6	1252.52000	1252.52369	-0.00369	0.00
21	22	3	1244.61622	1244.61613	0.00010	1.00	10	10	6	1252.51000	1252.51378	-0.00378	0.00
22	23	3	1244.24405	1244.24396	0.00009	1.00	11	11	6	1252.50000	1252.50288	-0.00288	0.00
23	24	3	1243.86998	1243.87083	-0.00085	1.00	12	12	6	1252.49108	1252.49099	0.00009	1.00
24	25	3	1243.49586	1243.49674	-0.00087	1.00	13	13	6	1252.47500	1252.47811	-0.00311	0.00
25	26	3	1243.12165	1243.12168	-0.00003	1.00	14	14	6	1252.46000	1252.46423	-0.00423	0.00
26	27	3	1242.74567	1242.74565	0.00002	1.00	6	7	6	1250.09244	1250.09300	-0.00055	1.00
27	28	3	1242.36881	1242.36867	0.00014	1.00	7	8	6	1249.73598	1249.73545	0.00053	1.00
28	29	3	1241.99072	1241.99072	0.00000	1.00	8	9	6	1249.37691	1249.37692	-0.00001	1.00
29	30	3	1241.61077	1241.61182	-0.00104	1.00	9	10	6	1249.01774	1249.01740	0.00034	1.00
30	31	3	1241.23205	1241.23195	0.00010	1.00	10	11	6	1248.65732	1248.65691	0.00041	1.00
31	32	3	1240.85123	1240.85112	0.00011	1.00	11	12	6	1248.29525	1248.29544	-0.00019	1.00
32	33	3	1240.46843	1240.46934	-0.00091	1.00	12	13	6	1247.93343	1247.93299	0.00044	1.00
33	34	3	1240.08667	1240.08660	0.00007	1.00	13	14	6	1247.56977	1247.56957	0.00020	1.00
34	35	3	1239.70293	1239.70291	0.00002	1.00	14	15	6	1247.20549	1247.20517	0.00032	1.00
35	36	3	1239.31820	1239.31826	-0.00006	1.00	15	16	6	1246.83963	1246.83979	-0.00017	1.00
36	37	3	1238.93181	1238.93265	-0.00084	1.00	16	17	6	1246.47364	1246.47345	0.00019	1.00
37	38	3	1238.54621	1238.54610	0.00011	1.00	17	18	6	1246.10604	1246.10613	-0.00009	1.00
38	39	3	1238.15766	1238.15859	-0.00092	1.00	18	19	6	1245.73791	1245.73784	0.00007	1.00
39	40	3	1237.77040	1237.77012	0.00028	1.00	19	20	6	1245.36874	1245.36858	0.00016	1.00
40	41	3	1237.38080	1237.38071	0.00009	1.00	20	21	6	1244.99831	1244.99836	-0.00004	1.00
41	42	3	1236.98937	1236.99035	-0.00098	1.00	21	22	6	1244.62738	1244.62716	0.00022	1.00
42	43	3	1236.59910	1236.59903	0.00006	1.00	22	23	6	1244.25523	1244.25500	0.00023	1.00
43	44	3	1236.20669	1236.20677	-0.00008	1.00	23	24	6	1243.88204	1243.88187	0.00017	1.00
44	45	3	1235.81361	1235.81356	0.00005	1.00	24	25	6	1243.50805	1243.50778	0.00028	1.00
45	46	3	1235.41984	1235.41940	0.00044	1.00	25	26	6	1243.13299	1243.13272	0.00027	1.00
46	47	3	1235.02449	1235.02430	0.00019	1.00	26	27	6	1242.75684	1242.75670	0.00014	1.00
47	48	3	1234.62847	1234.62825	0.00022	1.00	27	28	6	1242.37996	1242.37972	0.00024	1.00
48	49	3	1234.23127	1234.23126	0.00001	1.00	28	29	6	1242.00190	1242.00178	0.00013	1.00
49	50	3	1233.83316	1233.83332	-0.00016	1.00	29	30	6	1241.62310	1241.62287	0.00023	1.00
50	51	3	1233.43472	1233.43443	0.00028	1.00	30	31	6	1241.24328	1241.24301	0.00027	1.00
51	52	3	1233.03480	1233.03461	0.00019	1.00	31	32	6	1240.86239	1240.86219	0.00021	1.00
52	53	3	1232.63399	1232.63384	0.00014	1.00	32	33	6	1240.48059	1240.48041	0.00018	1.00
53	54	3	1232.23112	1232.23213	-0.00101	0.00	33	34	6	1240.09792	1240.09767	0.00025	1.00
54	55	3	1231.82960	1231.82948	0.00011	1.00	34	35	6	1239.71416	1239.71398	0.00018	1.00
55	56	3	1231.42530	1231.42589	-0.00060	1.00	35	36	6	1239.32964	1239.32933	0.00031	1.00
56	57	3	1231.02161	1231.02136	0.00025	1.00	36	37	6	1238.94384	1238.94373	0.00011	1.00
57	58	3	1230.61602	1230.61589	0.00013	1.00	37	38	6	1238.55751	1238.55717	0.00034	1.00
58	59	3	1230.20924	1230.20948	-0.00025	1.00	38	39	6	1238.17004	1238.16967	0.00037	1.00
59	60	3	1229.80213	1229.80214	-0.00001	1.00	39	40	6	1237.78151	1237.78121	0.00030	1.00
60	61	3	1229.39370	1229.39386	-0.00016	1.00	40	41	6	1237.39197	1237.39179	0.00017	1.00
61	62	3	1228.98485	1228.98464	0.00021	1.00	41	42	6	1237.00171	1237.00143	0.00028	1.00
62	63	3	1228.57454	1228.57448	0.00006	1.00	42	43	6	1236.61036	1236.61012	0.00024	1.00
63	64	3	1228.16341	1228.16339	0.00002	1.00	43	44	6	1236.21796	1236.21786	0.00010	1.00
64	65	3	1227.75138	1227.75137	0.00002	1.00	44	45	6	1235.82504	1235.82466	0.00038	1.00
65	66	3	1227.33894	1227.33841	0.00054	1.00	45	46	6	1235.43063	1235.43050	0.00013	1.00
66	67	3	1226.92394	1226.92452	-0.00058	1.00	46	47	6	1235.03589	1235.03540	0.00049	1.00
67	68	3	1226.50986	1226.50969	0.00017	1.00	47	48	6	1234.63944	1234.63935	0.00009	1.00
68	69	3	1226.09388	1226.09393	-0.00005	1.00	48	49	6	1234.24233	1234.24236	-0.00003	1.00
69	70	3	1225.67526	1225.67724	-0.00198	0.00	49	50	6	1233.84464	1233.84442	0.00022	1.00
70	71	3	1225.26005	1225.25962	0.00043	1.00	50	51	6	1233.44604	1233.44554	0.00050	1.00
71	72	3	1224.84166	1224.84107	0.00059	1.00	51	52	6	1233.04629	1233.04572	0.00057	1.00
72	73	3	1224.42034	1224.42158	-0.00125	0.00	52	53	6	1232.64508	1232.64495	0.00013	1.00
73	74	3	1224.00119	1224.00117	0.00001	1.00	53	54	6	1232.24339	1232.24325	0.00014	1.00
74	75	3	1223.57982	1223.57983	-0.00001	1.00	54	55	6	1231.83957	1231.84060	-0.00103	0.00
75	76	3	1223.15814	1223.15756	0.00058	1.00	55	56	6	1231.43720	1231.43701	0.00019	1.00
7	6	6	1254.99927	1254.99501	0.00425	0.00	56	57	6	1231.03248	1231.03248	0.00000	1.00
8	7	6	1255.33635	1255.33770	-0.00135	0.00	57	58	6	1230.62750	1230.62701	0.00049	1.00
9	8	6	1255.67890	1255.67939	-0.00049	1.00	58	59	6	1230.22078	1230.22061	0.00017	1.00
10	9	6	1256.02000	1256.02007	-0.00007	1.00	59	60	6	1229.81392	1229.81327	0.00065	1.00
11	10	6	1256.35948	1256.35976	-0.00027	1.00	60	61	6	1229.40558	1229.40499	0.00060	1.00
12	11	6	1256.69826	1256.69843	-0.00017	1.00	61	62	6	1228.99611	1228.99577	0.00034	1.00

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(I)			(II)		(III)	(IV)	(V)	(I)			(II)	(III)	(IV)	(V)
62	63	6	1228.58569	1228.58562	0.00008	1.00		44	45	9	1235.84325	1235.84315	0.00010	1.00
63	64	6	1228.17421	1228.17453	-0.00031	1.00		45	46	9	1235.44909	1235.44900	0.00009	1.00
64	65	6	1227.76269	1227.76250	0.00019	1.00		46	47	9	1235.05392	1235.05390	0.00002	1.00
65	66	6	1227.34981	1227.34955	0.00026	1.00		47	48	9	1234.65806	1234.65786	0.00021	1.00
66	67	6	1226.93599	1226.93566	0.00034	1.00		48	49	9	1234.26095	1234.26087	0.00009	1.00
67	68	6	1226.52023	1226.52083	-0.00060	1.00		49	50	9	1233.86302	1233.86293	0.00009	1.00
68	69	6	1226.10517	1226.10507	0.00010	1.00		50	51	9	1233.46413	1233.46406	0.00007	1.00
69	70	6	1225.68871	1225.68839	0.00033	1.00		51	52	9	1233.06432	1233.06424	0.00008	1.00
70	71	6	1225.27090	1225.27077	0.00013	1.00		52	53	9	1232.66355	1232.66348	0.00007	1.00
71	72	6	1224.85242	1224.85221	0.00020	1.00		53	54	9	1232.26063	1232.26177	-0.00115	0.00
72	73	6	1224.43251	1224.43273	-0.00023	1.00		54	55	9	1231.85925	1231.85913	0.00012	1.00
73	74	6	1224.01146	1224.01232	-0.00086	1.00		55	56	9	1231.45548	1231.45554	-0.00006	1.00
74	75	6	1223.59247	1223.59098	0.00149	0.00		56	57	9	1231.05051	1231.05102	-0.00051	1.00
75	76	6	1223.16936	1223.16871	0.00065	1.00		57	58	9	1230.64569	1230.64555	0.00013	1.00
76	77	6	1222.74543	1222.74551	-0.00008	1.00		58	59	9	1230.23943	1230.23915	0.00028	1.00
77	78	6	1222.32143	1222.32139	0.00005	1.00		59	60	9	1229.83182	1229.83181	0.00001	1.00
78	79	6	1221.89603	1221.89633	-0.00030	1.00		60	61	9	1229.42315	1229.42353	-0.00038	1.00
10	9	9	1256.03497	1256.03831	-0.00334	0.00		61	62	9	1229.01495	1229.01432	0.00063	1.00
11	10	9	1256.37899	1256.37799	0.00101	0.00		62	63	9	1228.60433	1228.60417	0.00016	1.00
12	11	9	1256.71680	1256.71666	0.00014	1.00		63	64	9	1228.19302	1228.19309	-0.00006	1.00
13	12	9	1257.05411	1257.05432	-0.00022	1.00		64	65	9	1227.78019	1227.78107	-0.00088	0.00
14	13	9	1257.39191	1257.39098	0.00093	1.00		65	66	9	1227.36886	1227.36811	0.00075	1.00
15	14	9	1257.72711	1257.72663	0.00047	1.00		66	67	9	1226.95444	1226.95422	0.00022	1.00
16	15	9	1258.06241	1258.06127	0.00114	0.00		67	68	9	1226.53956	1226.53940	0.00015	1.00
17	16	9	1258.39320	1258.39490	-0.00170	0.00		68	69	9	1226.12353	1226.12365	-0.00012	1.00
18	17	9	1258.72683	1258.72752	-0.00069	1.00		69	70	9	1225.70610	1225.70696	-0.00086	1.00
19	18	9	1259.05908	1259.05912	-0.00004	1.00		70	71	9	1225.28828	1225.28934	-0.00106	0.00
20	19	9	1259.38975	1259.38970	0.00004	1.00		71	72	9	1224.87028	1224.87079	-0.00052	1.00
21	20	9	1259.71919	1259.71927	-0.00008	1.00		72	73	9	1224.45130	1224.45132	-0.00002	1.00
22	21	9	1260.04423	1260.04782	-0.00359	0.00		73	74	9	1224.03140	1224.03091	0.00050	1.00
23	22	9	1260.37554	1260.37535	0.00019	1.00		74	75	9	1223.60920	1223.60957	-0.00036	1.00
24	23	9	1260.70257	1260.70186	0.00070	1.00		75	76	9	1223.18779	1223.18730	0.00048	1.00
25	24	9	1261.02660	1261.02735	-0.00075	1.00		76	77	9	1222.76445	1222.76410	0.00035	1.00
26	25	9	1261.35192	1261.35181	0.00011	1.00		77	78	9	1222.33993	1222.33998	-0.00005	1.00
27	26	9	1261.67544	1261.67525	0.00019	1.00		78	79	9	1221.91541	1221.91493	0.00049	1.00
9	9	9	1252.54158	1252.54198	-0.00040	1.00		13	12	12	1257.07941	1257.07984	-0.00042	1.00
10	10	9	1252.53349	1252.53207	0.00142	0.00		14	13	12	1257.41667	1257.41649	0.00018	1.00
11	11	9	1252.52195	1252.52117	0.00078	1.00		15	14	12	1257.75395	1257.75213	0.00182	0.00
12	12	9	1252.50962	1252.50928	0.00035	1.00		16	15	12	1258.08768	1258.08676	0.00092	1.00
13	13	9	1252.49622	1252.49639	-0.00017	1.00		17	16	12	1258.42073	1258.42038	0.00035	1.00
14	14	9	1252.48205	1252.48251	-0.00046	1.00		18	17	12	1258.75370	1258.75299	0.00071	1.00
15	15	9	1252.46612	1252.46765	-0.00153	0.00		19	18	12	1259.08453	1259.08458	-0.00006	1.00
16	16	9	1252.44745	1252.45179	-0.00433	0.00		20	19	12	1259.41531	1259.41516	0.00015	1.00
17	17	9	1252.43512	1252.43493	0.00018	1.00		21	20	12	1259.74466	1259.74472	-0.00006	1.00
18	18	9	1252.41815	1252.41709	0.00107	0.00		22	21	12	1260.07395	1260.07327	0.00068	1.00
9	10	9	1249.03667	1249.03574	0.00093	1.00		23	22	12	1260.40062	1260.40079	-0.00017	1.00
10	11	9	1248.67443	1248.67525	-0.00082	1.00		24	23	12	1260.72724	1260.72729	-0.00005	1.00
11	12	9	1248.31239	1248.31378	-0.00140	0.00		25	24	12	1261.05209	1261.05277	-0.00068	1.00
12	13	9	1247.95126	1247.95134	-0.00008	1.00		26	25	12	1261.37006	1261.37722	-0.00717	0.00
13	14	9	1247.58778	1247.58792	-0.00014	1.00		27	26	12	1261.69965	1261.70065	-0.00100	0.00
14	15	9	1247.22235	1247.22353	-0.00118	0.00		12	12	12	1252.53349	1252.53488	-0.00139	0.00
15	16	9	1246.85807	1246.85816	-0.00009	1.00		13	13	12	1252.52195	1252.52199	-0.00004	1.00
16	17	9	1246.49204	1246.49182	0.00023	1.00		14	14	12	1252.50962	1252.50812	0.00151	0.00
17	18	9	1246.12446	1246.12451	-0.00004	1.00		15	15	12	1252.49108	1252.49325	-0.00216	0.00
18	19	9	1245.75620	1245.75622	-0.00002	1.00		16	16	12	1252.47587	1252.47739	-0.00152	0.00
19	20	9	1245.38721	1245.38697	0.00024	1.00		17	17	12	1252.45806	1252.46053	-0.00248	0.00
20	21	9	1245.01705	1245.01675	0.00031	1.00		12	13	12	1247.97510	1247.97704	-0.00193	0.00
21	22	9	1244.64567	1244.64555	0.00012	1.00		13	14	12	1247.61366	1247.61362	0.00003	1.00
22	23	9	1244.27356	1244.27340	0.00016	1.00		14	15	12	1247.24869	1247.24924	-0.00054	1.00
23	24	9	1243.90036	1243.90027	0.00009	1.00		15	16	12	1246.88339	1246.88387	-0.00048	1.00
24	25	9	1243.52617	1243.52619	-0.00001	1.00		16	17	12	1246.51775	1246.51754	0.00021	1.00
25	26	9	1243.15123	1243.15113	0.00010	1.00		17	18	12	1246.15041	1246.15023	0.00018	1.00
26	27	9	1242.77523	1242.77512	0.00011	1.00		18	19	12	1245.78209	1245.78196	0.00013	1.00
27	28	9	1242.39833	1242.39814	0.00019	1.00		19	20	12	1245.41283	1245.41271	0.00012	1.00
28	29	9	1242.02004	1242.02020	-0.00016	1.00		20	21	12	1245.04261	1245.04249	0.00012	1.00
29	30	9	1241.64150	1241.64130	0.00020	1.00		21	22	12	1244.67116	1244.67131	-0.00015	1.00
30	31	9	1241.26166	1241.26144	0.00022	1.00		22	23	12	1244.29919	1244.29916	0.00003	1.00
31	32	9	1240.88062	1240.88062	0.00000	1.00		23	24	12	1243.92616	1243.92604	0.00012	1.00
32	33	9	1240.49896	1240.49885	0.00011	1.00		24	25	12	1243.55210	1243.55196	0.00014	1.00
33	34	9	1240.11633	1240.11612	0.00021	1.00		25	26	12	1243.17704	1243.17691	0.00013	1.00
34	35	9	1239.73257	1239.73243	0.00014	1.00		26	27	12	1242.80091	1242.80090	0.00001	1.00
35	36	9	1239.34791	1239.34779	0.00013	1.00		27	28	12	1242.42406	1242.42393	0.00013	1.00
36	37	9	1238.96239	1238.96219	0.00020	1.00		28	29	12	1242.04611	1242.04600	0.00011	1.00
37	38	9	1238.57579	1238.57564	0.00015	1.00		29	30	12	1241.66724	1241.66710	0.00014	1.00
38	39	9	1238.18821	1238.18813	0.00008	1.00		30	31	12	1241.28742	1241.28725	0.00017	1.00
39	40	9	1237.79989	1237.79968	0.00021	1.00		31	32	12	1240.90653	1240.90644	0.00009	1.00
40	41	9	1237.41076	1237.41027	0.00049	1.00		32	33	12	1240.52475	1240.52467	0.00008	1.00
41	42	9	1237.02000	1237.01991	0.00008	1.00		33	34	12	1240.14203	1240.14195	0.00009	1.00
42	43	9	1236.62866	1236.62861	0.00006	1.00		34	35	12	1239.75851	1239.75826	0.00024	1.00
43	44	9	1236.23652	1236.23635	0.00017	1.00		35	36	12	1239.37413	1239.37363	0.00050	

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(I)		(II)	(III)	(IV)	(V)	(I)		(II)	(III)	(IV)	(V)		
36	37	12	1238.98846	1238.98803	0.00042	1.00	40	41	15	1237.46954	1237.46940	0.00013	1.00
37	38	12	1238.60169	1238.60149	0.00020	1.00	41	42	15	1237.07917	1237.07906	0.00011	1.00
38	39	12	1238.21402	1238.21399	0.00003	1.00	42	43	15	1236.68792	1236.68777	0.00016	1.00
39	40	12	1237.82539	1237.82554	-0.00015	1.00	43	44	15	1236.29572	1236.29552	0.00019	1.00
40	41	12	1237.43574	1237.43614	-0.00040	1.00	44	45	15	1235.90244	1235.90233	0.00010	1.00
41	42	12	1237.04476	1237.04579	-0.00103	0.00	45	46	15	1235.50844	1235.50819	0.00024	1.00
42	43	12	1236.65432	1236.65449	-0.00016	1.00	46	47	15	1235.11325	1235.11311	0.00014	1.00
43	44	12	1236.26268	1236.26224	0.00044	1.00	47	48	15	1234.71715	1234.71708	0.00007	1.00
44	45	12	1235.86924	1235.86904	0.00021	1.00	48	49	15	1234.32020	1234.32010	0.00010	1.00
45	46	12	1235.47506	1235.47489	0.00016	1.00	49	50	15	1233.92251	1233.92218	0.00034	1.00
46	47	12	1235.07961	1235.07980	-0.00019	1.00	50	51	15	1233.52338	1233.52332	0.00006	1.00
47	48	12	1234.68393	1234.68376	0.00016	1.00	51	52	15	1233.12359	1233.12351	0.00008	1.00
48	49	12	1234.28671	1234.28678	-0.00007	1.00	52	53	15	1232.72287	1232.72276	0.00011	1.00
49	50	12	1233.88902	1233.88885	0.00017	1.00	53	54	15	1232.32115	1232.32106	0.00008	1.00
50	51	12	1233.49003	1233.48998	0.00005	1.00	54	55	15	1231.91844	1231.91843	0.00001	1.00
51	52	12	1233.09033	1233.09017	0.00016	1.00	55	56	15	1231.51435	1231.51486	-0.00051	0.00
52	53	12	1232.68956	1232.68941	0.00015	1.00	56	57	15	1231.11034	1231.11034	-0.00001	1.00
53	54	12	1232.28812	1232.28771	0.00041	1.00	57	58	15	1230.70497	1230.70489	0.00007	1.00
54	55	12	1231.88502	1231.88507	-0.00005	1.00	58	59	15	1230.29846	1230.29850	-0.00004	1.00
55	56	12	1231.48154	1231.48149	0.00005	1.00	59	60	15	1229.89072	1229.89117	-0.00045	1.00
56	57	12	1231.07697	1231.07697	0.00000	1.00	60	61	15	1229.48284	1229.48290	-0.00006	1.00
57	58	12	1230.67095	1230.67151	-0.00056	1.00	61	62	15	1229.07356	1229.07370	-0.00013	1.00
58	59	12	1230.26492	1230.26511	-0.00019	1.00	62	63	15	1228.66373	1228.66356	0.00017	1.00
59	60	12	1229.85824	1229.85778	0.00046	1.00	63	64	15	1228.25259	1228.25248	0.00010	1.00
60	61	12	1229.44964	1229.44951	0.00013	1.00	64	65	15	1227.84025	1227.84047	-0.00023	1.00
61	62	12	1229.03956	1229.04030	-0.00073	1.00	65	66	15	1227.42798	1227.42753	0.00045	1.00
62	63	12	1228.63002	1228.63015	-0.00013	1.00	66	67	15	1227.01296	1227.01365	-0.00069	1.00
63	64	12	1228.22033	1228.21907	0.00126	0.00	67	68	15	1226.59904	1226.59884	0.00020	1.00
64	65	12	1227.80728	1227.80705	0.00023	1.00	68	69	15	1226.18318	1226.18309	0.00009	1.00
65	66	12	1227.39416	1227.39410	0.00006	1.00	69	70	15	1225.76547	1225.76642	-0.00094	0.00
66	67	12	1226.98014	1226.98022	-0.00008	1.00	70	71	15	1225.34896	1225.34881	0.00015	1.00
67	68	12	1226.56564	1226.56540	0.00024	1.00	71	72	15	1224.92991	1224.93027	-0.00036	1.00
68	69	12	1226.14982	1226.14965	0.00017	1.00	72	73	15	1224.51025	1224.51080	-0.00055	1.00
69	70	12	1225.73309	1225.73297	0.00012	1.00	73	74	15	1224.09039	1224.09039	0.00000	1.00
70	71	12	1225.31524	1225.31536	-0.00012	1.00	74	75	15	1223.66877	1223.66906	-0.00030	1.00
71	72	12	1224.89555	1224.89681	-0.00126	0.00	75	76	15	1223.24784	1223.24680	0.00103	0.00
72	73	12	1224.47699	1224.47734	-0.00035	1.00	76	77	15	1222.82438	1222.82361	0.00077	1.00
73	74	12	1224.05694	1224.05693	0.00001	1.00	77	78	15	1222.39856	1222.39950	-0.00094	0.00
74	75	12	1223.63559	1223.63559	-0.00001	1.00	78	79	15	1221.97409	1221.97445	-0.00036	1.00
75	76	12	1223.21372	1223.21333	0.00039	1.00	19	18	18	1259.15456	1259.15736	-0.00280	0.00
76	77	12	1222.78962	1222.79014	-0.00052	1.00	20	19	18	1259.49077	1259.48791	0.00285	0.00
77	78	12	1222.36544	1222.36602	-0.00057	1.00	21	20	18	1259.81762	1259.81745	0.00017	1.00
78	79	12	1221.94058	1221.94097	-0.00039	1.00	22	21	18	1260.14702	1260.14597	0.00105	0.00
16	15	15	1258.12397	1258.11954	0.00444	0.00	23	22	18	1260.47262	1260.47347	-0.00085	1.00
17	16	15	1258.45307	1258.45315	-0.00008	1.00	24	23	18	1260.79995	1260.79995	0.00000	1.00
18	17	15	1258.78649	1258.78574	0.00074	1.00	25	24	18	1261.12376	1261.12541	-0.00165	0.00
19	18	15	1259.11401	1259.11733	-0.00332	0.00	26	25	18	1261.45058	1261.44984	0.00074	1.00
20	19	15	1259.44807	1259.44790	0.00017	1.00	27	26	18	1261.77298	1261.77325	-0.00027	1.00
21	20	15	1259.77716	1259.77745	-0.00029	1.00	18	19	18	1245.85567	1245.85549	0.00017	1.00
22	21	15	1260.10693	1260.10598	0.00095	1.00	19	20	18	1245.48682	1245.48627	0.00055	1.00
23	22	15	1260.43404	1260.43349	0.00055	1.00	20	21	18	1245.11615	1245.11607	0.00008	1.00
24	23	15	1260.76135	1260.75998	0.00136	0.00	21	22	18	1244.74502	1244.74490	0.00012	1.00
25	24	15	1261.08507	1261.08545	-0.00039	1.00	22	23	18	1244.37258	1244.37277	-0.00019	1.00
26	25	15	1261.40947	1261.40990	-0.00043	1.00	23	24	18	1243.99963	1243.99967	-0.00004	1.00
27	26	15	1261.73356	1261.73332	0.00025	1.00	24	25	18	1243.62567	1243.62561	0.00006	1.00
15	16	15	1246.91733	1246.91694	0.00040	1.00	25	26	18	1243.25041	1243.25058	-0.00017	1.00
16	17	15	1246.54998	1246.55061	-0.00063	1.00	26	27	18	1242.87471	1242.87459	0.00013	1.00
17	18	15	1246.18217	1246.18331	-0.00115	0.00	27	28	18	1242.49768	1242.49763	0.00004	1.00
18	19	15	1245.81496	1245.81505	-0.00009	1.00	28	29	18	1242.11953	1242.11972	-0.00019	1.00
19	20	15	1245.44617	1245.44581	0.00036	1.00	29	30	18	1241.74097	1241.74084	0.00013	1.00
20	21	15	1245.07547	1245.07560	-0.00013	1.00	30	31	18	1241.36063	1241.36101	-0.00037	1.00
21	22	15	1244.70444	1244.70442	0.00002	1.00	31	32	18	1240.98022	1240.98021	0.00001	1.00
22	23	15	1244.33232	1244.33228	0.00004	1.00	32	33	18	1240.59876	1240.59846	0.00030	1.00
23	24	15	1243.95926	1243.95917	0.00009	1.00	33	34	18	1240.21584	1240.21575	0.00009	1.00
24	25	15	1243.58519	1243.58510	0.00009	1.00	34	35	18	1239.83208	1239.83209	-0.00001	1.00
25	26	15	1243.21006	1243.21006	0.00000	1.00	35						

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(I)			(II)	(III)	(IV)	(V)	(I)			(II)	(III)	(IV)	(V)
50	51	18	1233.56458	1233.56406	0.00051	1.00	65	66	21	1227.51623	1227.51669	-0.00046	1.00
51	52	18	1233.16422	1233.16426	-0.00005	1.00	66	67	21	1227.10273	1227.10283	-0.00010	1.00
52	53	18	1232.76325	1232.76352	-0.00027	1.00	67	68	21	1226.68903	1226.68803	0.00100	0.00
53	54	18	1232.36128	1232.36184	-0.00056	1.00	68	69	21	1226.27225	1226.27230	-0.00005	1.00
54	55	18	1231.95879	1231.95921	-0.00042	1.00	69	70	21	1225.85541	1225.85563	-0.00023	1.00
55	56	18	1231.55467	1231.55565	-0.00098	0.00	70	71	21	1225.43753	1225.43804	-0.00051	1.00
56	57	18	1231.15181	1231.15114	0.00067	0.00	71	72	21	1225.01983	1225.01951	0.00032	1.00
57	58	18	1230.74564	1230.74570	-0.00006	1.00	72	73	21	1224.60116	1224.60005	0.00111	0.00
58	59	18	1230.33922	1230.33931	-0.00010	1.00	73	74	21	1224.17927	1224.17966	-0.00039	1.00
59	60	18	1229.93240	1229.93199	0.00041	1.00	74	75	21	1223.75769	1223.75834	-0.00065	0.00
60	61	18	1229.52354	1229.52373	-0.00019	1.00	75	76	21	1223.33636	1223.33609	0.00026	1.00
61	62	18	1229.11417	1229.11453	-0.00037	1.00	76	77	21	1222.91325	1222.91292	0.00033	1.00
62	63	18	1228.70425	1228.70440	-0.00015	1.00	77	78	21	1222.48842	1222.48881	-0.00039	1.00
63	64	18	1228.29345	1228.29333	0.00012	1.00	78	79	21	1222.06320	1222.06378	-0.00057	0.00
64	65	18	1227.88160	1227.88133	0.00027	1.00	79	80	21	1221.63855	1221.63781	0.00074	1.00
65	66	18	1227.46852	1227.46839	0.00013	1.00	25	24	24	1261.22734	1261.22714	0.00020	1.00
66	67	18	1227.05469	1227.05452	0.00018	1.00	26	25	24	1261.55105	1261.55154	-0.00049	1.00
67	68	18	1226.63958	1226.63971	-0.00013	1.00	27	26	24	1261.87354	1261.87492	-0.00137	0.00
68	69	18	1226.22418	1226.22397	0.00021	1.00	24	25	24	1243.72751	1243.72875	-0.00124	0.00
69	70	18	1225.80744	1225.80730	0.00014	1.00	25	26	24	1243.35428	1243.35375	0.00053	1.00
70	71	18	1225.38902	1225.38970	-0.00068	0.00	26	27	24	1242.97791	1242.97778	0.00013	1.00
71	72	18	1224.97156	1224.97116	0.00039	1.00	27	28	24	1242.60061	1242.60086	-0.00025	1.00
72	73	18	1224.55112	1224.55170	-0.00058	0.00	28	29	24	1242.22287	1242.22297	-0.00010	1.00
73	74	18	1224.13132	1224.13130	0.00001	1.00	29	30	24	1241.84378	1241.84412	-0.00034	1.00
74	75	18	1223.71079	1223.70998	0.00081	1.00	30	31	24	1241.46433	1241.46431	0.00003	1.00
75	76	18	1223.28746	1223.28772	-0.00026	1.00	31	32	24	1241.08359	1241.08354	0.00005	1.00
76	77	18	1222.86416	1222.86454	-0.00038	1.00	32	33	24	1240.70175	1240.70181	-0.00006	1.00
77	78	18	1222.44036	1222.44043	-0.00006	1.00	33	34	24	1240.31913	1240.31912	0.00001	1.00
78	79	18	1222.01580	1222.01539	0.00041	1.00	34	35	24	1239.93540	1239.93548	-0.00008	1.00
79	80	18	1221.58817	1221.58942	-0.00125	0.00	35	36	24	1239.55091	1239.55089	0.00002	1.00
22	21	21	1260.19479	1260.19324	0.00155	0.00	36	37	24	1239.16527	1239.16534	-0.00007	1.00
23	22	21	1260.52125	1260.52073	0.00052	1.00	37	38	24	1238.77866	1238.77883	-0.00017	1.00
24	23	21	1260.84573	1260.84720	-0.00147	0.00	38	39	24	1238.39120	1238.39137	-0.00017	1.00
25	24	21	1261.17661	1261.17264	0.00397	0.00	39	40	24	1238.00284	1238.00296	-0.00013	1.00
26	25	21	1261.49507	1261.49705	-0.00199	0.00	40	41	24	1237.61210	1237.61360	-0.00150	0.00
27	26	21	1261.81918	1261.82045	-0.00127	0.00	41	42	24	1237.22314	1237.22329	-0.00015	1.00
21	22	21	1244.79250	1244.79275	-0.00025	1.00	42	43	24	1236.83210	1236.83203	0.00007	1.00
22	23	21	1244.42025	1244.42063	-0.00038	1.00	43	44	24	1236.44004	1236.43982	0.00022	1.00
23	24	21	1244.04749	1244.04754	-0.00005	1.00	44	45	24	1236.04676	1236.04666	0.00010	1.00
24	25	21	1243.67353	1243.67349	0.00004	1.00	45	46	24	1235.65253	1235.65255	-0.00002	1.00
25	26	21	1243.29858	1243.29847	0.00010	1.00	46	47	24	1235.25758	1235.25750	0.00008	1.00
26	27	21	1242.92252	1242.92250	0.00003	1.00	47	48	24	1234.86164	1234.86149	0.00015	1.00
27	28	21	1242.54562	1242.54555	0.00007	1.00	48	49	24	1234.46441	1234.46455	-0.00013	1.00
28	29	21	1242.16728	1242.16765	-0.00037	1.00	49	50	24	1234.06678	1234.06666	0.00013	1.00
29	30	21	1241.78882	1241.78879	0.00003	1.00	50	51	24	1233.66787	1233.66782	0.00005	1.00
30	31	21	1241.40929	1241.40896	0.00033	1.00	51	52	24	1233.26845	1233.26804	0.00041	1.00
31	32	21	1241.02828	1241.02818	0.00010	1.00	52	53	24	1232.86731	1232.86732	-0.00001	1.00
32	33	21	1240.64655	1240.64644	0.00011	1.00	53	54	24	1232.46574	1232.46566	0.00008	1.00
33	34	21	1240.26360	1240.26374	-0.00014	1.00	54	55	24	1232.06342	1232.06305	0.00037	1.00
34	35	21	1239.88032	1239.88009	0.00023	1.00	55	56	24	1231.65935	1231.65951	-0.00016	1.00
35	36	21	1239.49532	1239.49548	-0.00016	1.00	56	57	24	1231.25508	1231.25502	0.00006	1.00
36	37	21	1239.10981	1239.10992	-0.00011	1.00	57	58	24	1230.84939	1230.84960	-0.00020	1.00
37	38	21	1238.72373	1238.72340	0.00033	1.00	58	59	24	1230.44315	1230.44323	-0.00008	1.00
38	39	21	1238.33599	1238.33593	0.00007	1.00	59	60	24	1230.03577	1230.03593	-0.00016	1.00
39	40	21	1237.94749	1237.94750	-0.00002	1.00	60	61	24	1229.62757	1229.62769	-0.00011	1.00
40	41	21	1237.55841	1237.55813	0.00028	1.00	61	62	24	1229.21788	1229.21851	-0.00063	0.00
41	42	21	1237.16784	1237.16781	0.00003	1.00	62	63	24	1228.80834	1228.80840	-0.00006	1.00
42	43	21	1236.77655	1236.77653	0.00002	1.00	63	64	24	1228.39743	1228.39734	0.00009	1.00
43	44	21	1236.38445	1236.38431	0.00014	1.00	64	65	24	1227.98509	1227.98536	-0.00027	1.00
44	45	21	1235.99126	1235.99114	0.00012	1.00	65	66	24	1227.57293	1227.57244	0.00049	1.00
45	46	21	1235.59709	1235.59702	0.00007	1.00	66	67	24	1227.15885	1227.15858	0.00027	1.00
46	47	21	1235.20209	1235.20195	0.00014	1.00	67	68	24	1226.74396	1226.74379	0.00017	1.00
47	48	21	1234.80613	1234.80594	0.00019	1.00	68	69	24	1226.32795	1226.32807	-0.00012	1.00
48	49	21	1234.40904	1234.40898	0.00006	1.00	69	70	24	1225.91155	1225.91141	0.00013	1.00
49	50	21	1234.01134	1234.01108	0.00026	1.00	70	71	24	1225.49402	1225.49383	0.00019	1.00
50	51	21	1233.61231	1233.61223	0.00007	1.00	71						

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(I)			(II)	(III)	(IV)	(V)	(I)			(II)	(III)	(IV)	(V)
36	37	27	1239.22819	1239.22816	0.00003	1.00	72	73	30	1224.78948	1224.78986	-0.00038	1.00
37	38	27	1238.84155	1238.84167	-0.00012	1.00	73	74	30	1224.36931	1224.36950	-0.00019	1.00
38	39	27	1238.45392	1238.45423	-0.00031	1.00	74	75	30	1223.94825	1223.94821	0.00004	1.00
39	40	27	1238.06584	1238.06583	0.00000	1.00	75	76	30	1223.52541	1223.52598	-0.00057	1.00
40	41	27	1237.67656	1237.67649	0.00007	1.00	33	34	33	1240.53081	1240.52969	0.00113	0.00
41	42	27	1237.28624	1237.28619	0.00005	1.00	34	35	33	1240.14776	1240.14610	0.00166	0.00
42	43	27	1236.89493	1236.89494	-0.00001	1.00	35	36	33	1239.75851	1239.76155	-0.00304	0.00
43	44	27	1236.50326	1236.50274	0.00052	0.00	36	37	33	1239.37413	1239.37605	-0.00192	0.00
44	45	27	1236.10934	1236.10960	-0.00026	1.00	37	38	33	1238.98846	1238.98959	-0.00113	0.00
45	46	27	1235.71480	1235.71550	-0.00070	1.00	38	39	33	1238.60169	1238.60218	-0.00049	1.00
46	47	27	1235.31929	1235.32046	-0.00117	0.00	39	40	33	1238.21402	1238.21382	0.00020	1.00
47	48	27	1234.92439	1234.92447	-0.00008	1.00	40	41	33	1237.82539	1237.82451	0.00088	1.00
48	49	27	1234.52779	1234.52754	0.00025	1.00	41	42	33	1237.43574	1237.43424	0.00150	0.00
49	50	27	1234.12976	1234.12966	0.00009	1.00	42	43	33	1237.04476	1237.04303	0.00173	0.00
50	51	27	1233.73081	1233.73084	-0.00004	1.00	43	44	33	1236.64970	1236.65087	-0.00116	0.00
51	52	27	1233.33118	1233.33108	0.00011	1.00	44	45	33	1236.25754	1236.25775	-0.00021	1.00
52	53	27	1232.92976	1232.93037	-0.00061	1.00	45	46	33	1235.86342	1235.86369	-0.00027	1.00
53	54	27	1232.52841	1232.52872	-0.00031	1.00	46	47	33	1235.46864	1235.46868	-0.00005	1.00
54	55	27	1232.12600	1232.12612	-0.00013	1.00	47	48	33	1235.07229	1235.07273	-0.00043	1.00
55	56	27	1231.72279	1231.72259	0.00020	1.00	48	49	33	1234.67637	1234.67583	0.00054	1.00
56	57	27	1231.31788	1231.31812	-0.00024	1.00	49	50	33	1234.27840	1234.27798	0.00042	1.00
57	58	27	1230.91256	1230.91270	-0.00015	1.00	50	51	33	1233.87928	1233.87919	0.00009	1.00
58	59	27	1230.50651	1230.50635	0.00016	1.00	51	52	33	1233.47947	1233.47946	0.00002	1.00
59	60	27	1230.09898	1230.09906	-0.00008	1.00	52	53	33	1233.07897	1233.07878	0.00019	1.00
60	61	27	1229.68986	1229.69083	-0.00097	0.00	53	54	33	1232.67724	1232.67716	0.00008	1.00
61	62	27	1229.28160	1229.28166	-0.00006	1.00	54	55	33	1232.27481	1232.27460	0.00021	1.00
62	63	27	1228.87172	1228.87156	0.00016	1.00	55	56	33	1231.87059	1231.87109	-0.00050	1.00
63	64	27	1228.46074	1228.46052	0.00022	1.00	56	57	33	1231.46683	1231.46665	0.00018	1.00
64	65	27	1228.04813	1228.04855	-0.00042	1.00	57	58	33	1231.06152	1231.06126	0.00026	1.00
65	66	27	1227.63583	1227.63564	0.00019	1.00	58	59	33	1230.65384	1230.65494	-0.00110	0.00
66	67	27	1227.22152	1227.22179	-0.00027	1.00	59	60	33	1230.24799	1230.24768	0.00031	1.00
67	68	27	1226.80845	1226.80701	0.00144	0.00	60	61	33	1229.83923	1229.83948	-0.00024	1.00
68	69	27	1226.39098	1226.39130	-0.00032	1.00	61	62	33	1229.43056	1229.43034	0.00023	1.00
69	70	27	1225.97383	1225.97465	-0.00082	0.00	62	63	33	1229.02041	1229.02026	0.00015	1.00
70	71	27	1225.55763	1225.55708	0.00055	1.00	63	64	33	1228.60950	1228.60925	0.00025	1.00
71	72	27	1225.13850	1225.13857	-0.00007	1.00	64	65	33	1228.19811	1228.19730	0.00081	1.00
72	73	27	1224.71908	1224.71913	-0.00004	1.00	65	66	33	1227.78400	1227.78441	-0.00041	1.00
73	74	27	1224.29742	1224.29875	-0.00134	0.00	66	67	33	1227.36886	1227.37059	-0.00173	0.00
30	31	30	1241.59659	1241.59718	-0.00059	1.00	67	68	33	1226.95444	1226.95584	-0.00140	0.00
31	32	30	1241.21648	1241.21644	0.00004	1.00	68	69	33	1226.53956	1226.54015	-0.00060	1.00
32	33	30	1240.83471	1240.83474	-0.00003	1.00	69	70	33	1226.12353	1226.12353	0.00000	1.00
33	34	30	1240.45194	1240.45209	-0.00015	1.00	70	71	33	1225.70610	1225.70598	0.00012	1.00
34	35	30	1240.06844	1240.06848	-0.00004	1.00	71	72	33	1225.28828	1225.28749	0.00079	1.00
35	36	30	1239.68384	1239.68392	-0.00008	1.00	72	73	33	1224.87027	1224.86807	0.00220	0.00
36	37	30	1239.29835	1239.29840	-0.00004	1.00	73	74	33	1224.44542	1224.44772	-0.00230	0.00
37	38	30	1238.91194	1238.91192	0.00001	1.00	74	75	33	1224.02534	1224.02644	-0.00110	0.00
38	39	30	1238.52459	1238.52450	0.00009	1.00	75	76	33	1223.60362	1223.60423	-0.00061	1.00
39	40	30	1238.13603	1238.13612	-0.00008	1.00	76	77	33	1223.18139	1223.18109	0.00030	1.00
40	41	30	1237.74727	1237.74679	0.00048	1.00	77	78	33	1222.75646	1222.75702	-0.00056	1.00
41	42	30	1237.35639	1237.35650	-0.00011	1.00	36	37	36	1239.46136	1239.46112	0.00024	1.00
42	43	30	1236.96521	1236.96527	-0.00006	1.00	37	38	36	1239.07446	1239.07469	-0.00022	1.00
43	44	30	1236.57284	1236.57309	-0.00026	1.00	38	39	36	1238.68722	1238.68730	-0.00007	1.00
44	45	30	1236.17957	1236.17996	-0.00039	1.00	39	40	36	1238.29909	1238.29896	0.00013	1.00
45	46	30	1235.78604	1235.78588	0.00016	1.00	40	41	36	1237.90998	1237.90966	0.00032	1.00
46	47	30	1235.39043	1235.39086	-0.00043	1.00	41	42	36	1237.52026	1237.51942	0.00084	1.00
47	48	30	1234.99490	1234.99488	0.00001	1.00	42	43	36	1237.12784	1237.12822	-0.00038	1.00
48	49	30	1234.59817	1234.59797	0.00020	1.00	43	44	36	1236.73563	1236.73608	-0.00045	1.00
49	50	30	1234.20016	1234.20010	0.00006	1.00	44	45	36	1236.34300	1236.34298	0.00002	1.00
50	51	30	1233.80214	1233.80130	0.00084	1.00	45	46	36	1235.94917	1235.94894	0.00023	1.00
51	52	30	1233.40316	1233.40155	0.00161	0.00	46	47	36	1235.55430	1235.55395	0.00034	1.00
52	53	30	1233.00070	1233.00085	-0.00016	1.00	47	48	36	1235.15888	1235.15802	0.00086	1.00
53	54	30	1232.59961	1232.59921	0.00039	1.00	48	49	36	1234.75800	1234.76113	-0.00313	0.00
54	55	30	1232.19616	1232.19664	-0.00048	1.00	49	50	36	1234.36140	1234.36331	-0.00190	0.00
55	56	30	1231.79332	1231.79312	0.00020	1.00	50	51	36	1233.96332	1233.96453	-0.00122	0.00
56	57	30	1231.38845	1231.38866	-0.00021	1.00	51	52	36	1233.56458	1233.56482	-0.00024	1.00
57	58	30	1230.98288	1230.98326	-0.00038	1.00	52						

Continued

(I)			(II)	(III)	(IV)	(V)	(I)			(II)	(III)	(IV)	(V)
67	68	36	1227.04156	1227.04147	0.00009	1.00	49	50	42	1234.55682	1234.55632	0.00050	1.00
68	69	36	1226.62639	1226.62579	0.00060	1.00	50	51	42	1234.15812	1234.15759	0.00052	1.00
69	70	36	1226.20928	1226.20919	0.00009	1.00	51	52	42	1233.75799	1233.75792	0.00007	1.00
70	71	36	1225.79167	1225.79165	0.00003	1.00	52	53	42	1233.35730	1233.35730	0.00000	1.00
71	72	36	1225.37285	1225.37317	-0.00033	1.00	53	54	42	1232.95599	1232.95574	0.00025	1.00
72	73	36	1224.95595	1224.95377	0.00219	0.00	54	55	42	1232.55335	1232.55323	0.00012	1.00
73	74	36	1224.53262	1224.53343	-0.00081	1.00	55	56	42	1232.14851	1232.14979	-0.00128	0.00
74	75	36	1224.11111	1224.11216	-0.00105	0.00	56	57	42	1231.74502	1231.74540	-0.00038	1.00
75	76	36	1223.69034	1223.68996	0.00038	1.00	57	58	42	1231.33980	1231.34007	-0.00027	1.00
76	77	36	1223.26820	1223.26684	0.00136	0.00	58	59	42	1230.93468	1230.93380	0.00087	0.00
77	78	36	1222.84336	1222.84278	0.00059	1.00	59	60	42	1230.52668	1230.52660	0.00008	1.00
39	40	39	1238.39120	1238.39152	-0.00032	1.00	60	61	42	1230.11782	1230.11845	-0.00063	1.00
40	41	39	1238.00284	1238.00225	0.00059	1.00	61	62	42	1229.70903	1229.70937	-0.00034	1.00
41	42	39	1237.61210	1237.61203	0.00007	1.00	62	63	42	1229.29916	1229.29934	-0.00019	1.00
42	43	39	1237.22314	1237.22085	0.00228	0.00	63	64	42	1228.88799	1228.88838	-0.00039	1.00
43	44	39	1236.83210	1236.82873	0.00336	0.00	64	65	42	1228.47747	1228.47649	0.00099	0.00
44	45	39	1236.43501	1236.43566	-0.00065	1.00	65	66	42	1228.06419	1228.06365	0.00054	1.00
45	46	39	1236.04133	1236.04164	-0.00031	1.00	66	67	42	1227.64916	1227.64988	-0.00073	1.00
46	47	39	1235.64652	1235.64667	-0.00014	1.00	67	68	42	1227.23564	1227.23518	0.00046	1.00
47	48	39	1235.25117	1235.25075	0.00041	1.00	68	69	42	1226.81822	1226.81954	-0.00132	0.00
48	49	39	1234.85431	1234.85389	0.00042	1.00	69	70	42	1226.40168	1226.40297	-0.00129	0.00
49	50	39	1234.45584	1234.45608	-0.00025	1.00	70	71	42	1225.98603	1225.98546	0.00057	1.00
50	51	39	1234.05740	1234.05733	0.00007	1.00	71	72	42	1225.56643	1225.56702	-0.00059	1.00
51	52	39	1233.65696	1233.65764	-0.00067	1.00	72	73	42	1225.14630	1225.14765	-0.00135	0.00
52	53	39	1233.25717	1233.25700	0.00018	1.00	73	74	42	1224.72785	1224.72734	0.00051	1.00
53	54	39	1232.85520	1232.85541	-0.00021	1.00	74	75	42	1224.30535	1224.30611	-0.00075	1.00
54	55	39	1232.45288	1232.45289	-0.00001	1.00	48	49	45	1235.06398	1235.06179	0.00219	0.00
55	56	39	1232.04898	1232.04942	-0.00044	1.00	49	50	45	1234.66409	1234.66403	0.00006	1.00
56	57	39	1231.64541	1231.64501	0.00040	1.00	50	51	45	1234.26722	1234.26532	0.00189	0.00
57	58	39	1231.24102	1231.23966	0.00136	0.00	51	52	45	1233.86302	1233.86567	-0.00265	0.00
58	59	39	1230.83339	1230.83337	0.00002	1.00	52	53	45	1233.46413	1233.46508	-0.00095	1.00
59	60	39	1230.42593	1230.42615	-0.00022	1.00	53	54	45	1233.06432	1233.06354	0.00078	0.00
60	61	39	1230.01877	1230.01798	0.00079	1.00	54	55	45	1232.65862	1232.66106	-0.00244	0.00
61	62	39	1229.60897	1229.60888	0.00009	1.00	55	56	45	1232.26063	1232.25764	0.00299	0.00
62	63	39	1229.19891	1229.19883	0.00008	1.00	56	57	45	1231.85356	1231.85327	0.00029	1.00
63	64	39	1228.78760	1228.78785	-0.00025	1.00	57	58	45	1231.44893	1231.44797	0.00096	0.00
64	65	39	1228.37650	1228.37594	0.00056	1.00	58	59	45	1231.04064	1231.04172	-0.00108	0.00
65	66	39	1227.96346	1227.96309	0.00038	1.00	59	60	45	1230.63579	1230.63454	0.00125	0.00
66	67	39	1227.54887	1227.54930	-0.00043	1.00	60	61	45	1230.22729	1230.22641	0.00088	1.00
67	68	39	1227.13453	1227.13458	-0.00005	1.00	61	62	45	1229.81978	1229.81735	0.00243	0.00
68	69	39	1226.71874	1226.71892	-0.00018	1.00	62	63	45	1229.40558	1229.40735	-0.00177	0.00
69	70	39	1226.30492	1226.30233	0.00259	0.00	63	64	45	1228.99611	1228.99641	-0.00030	1.00
70	71	39	1225.88425	1225.88480	-0.00056	1.00	64	65	45	1228.58569	1228.58453	0.00116	0.00
71	72	39	1225.46573	1225.46635	-0.00062	1.00	65	66	45	1228.17421	1228.17172	0.00250	0.00
72	73	39	1225.04711	1225.04696	0.00015	1.00	66	67	45	1227.75764	1227.75797	-0.00033	1.00
73	74	39	1224.62755	1224.62664	0.00091	1.00	67	68	45	1227.34393	1227.34329	0.00064	1.00
74	75	39	1224.20616	1224.20538	0.00078	1.00	68	69	45	1226.92394	1226.92767	-0.00373	0.00
75	76	39	1223.78176	1223.78320	-0.00144	0.00	69	70	45	1226.50986	1226.51111	-0.00126	0.00
76	77	39	1223.35986	1223.36008	-0.00022	1.00	70	71	45	1226.09388	1226.09363	0.00025	1.00
77	78	39	1222.93290	1222.93604	-0.00314	0.00	71	72	45	1225.67526	1225.67520	0.00005	1.00
78	79	39	1222.50881	1222.51106	-0.00225	0.00	72	73	45	1225.25579	1225.25585	-0.00006	1.00
44	45	42	1236.53585	1236.53578	0.00007	1.00	73	74	45	1224.83727	1224.83556	0.00170	0.00
45	46	42	1236.14124	1236.14178	-0.00055	1.00	74	75	45	1224.41220	1224.41434	-0.00214	0.00
46	47	42	1235.74640	1235.74684	-0.00044	1.00	75	76	45	1223.99179	1223.99219	-0.00040	1.00
47	48	42	1235.35104	1235.35095	0.00009	1.00	76	77	45	1223.57024	1223.56911	0.00113	0.00
48	49	42	1234.95501	1234.95411	0.00090	0.00	77	78	45	1223.14590	1223.14510	0.00080	1.00