付録2

ρ(Hj) has 6 sub-columns; ρ̂(Hj) has 6 sub-columns.

Hj	Gi	Hĵ	ρ(Hj) 1	2	3	4	5	6	ρ̂(Hj) 1	2	3	4	5	6
0	1581142	554	7	0	0	0	0	0	0	0	0	0	14	0
1	155734	429	0	6	0	0	0	1	0	0	0	1	13	0
2	24662	259	0	6	0	0	0	0	0	0	0	3	6	0
3	221270	303	0	5	0	0	3	0	0	0	0	2	11	0
4	417878	304	0	4	0	4	0	0	0	0	0	2	11	0
5	254038	146	0	4	0	0	5	0	0	0	0	4	8	0
6	319534	436	0	0	8	0	0	0	0	0	0	1	12	0
7	1087724	220	0	0	6	0	3	0	0	0	0	3	9	0
8	593012	305	0	0	5	0	3	0	0	0	0	2	11	0
9	34028	295	0	0	5	0	0	2	0	0	0	2	12	0
10	66796	430	0	0	5	0	0	2	0	0	0	1	13	0
11	598102	556	0	0	5	0	0	2	0	0	0	0	14	0
12	263404	555	0	0	5	0	0	2	0	0	0	0	14	0
13	1048812	15	0	0	5	0	0	1	0	0	5	0	0	0
14	131308	398	0	0	5	0	0	1	0	0	0	2	7	0
15	393229	15	0	0	5	0	0	0	0	0	5	0	0	0
16	602198	602	0	0	4	4	0	0	0	0	0	0	12	0
17	800885	91	0	0	4	0	6	0	0	0	0	6	5	0
18	661621	147	0	0	4	0	5	0	0	0	0	4	8	0
19	597108	221	0	0	4	0	5	0	0	0	0	3	9	0
20	197868	215	0	0	4	0	3	1	0	0	0	3	10	0
21	71916	306	0	0	4	0	3	1	0	0	0	2	11	0
22	268524	438	0	0	4	0	3	1	0	0	0	1	12	0
23	790645	437	0	0	4	0	3	1	0	0	0	1	12	0
24	196844	141	0	0	4	0	3	0	0	0	0	5	3	0
25	101612	35	0	0	3	6	0	0	0	0	3	0	9	0
26	1315038	659	0	0	3	4	0	0	0	0	0	0	12	0
27	68844	307	0	0	3	4	0	1	0	0	0	2	11	0
28	265452	439	0	0	3	4	0	1	0	0	0	1	12	0
29	527596	603	0	0	3	4	0	1	0	0	0	0	13	0
30	164076	46	0	0	3	4	0	0	0	0	0	3	5	0
31	560364	321	0	0	3	3	3	0	0	0	0	2	10	0
32	385110	320	0	0	3	3	3	0	0	0	0	2	10	0
33	625900	36	0	0	3	2	5	0	0	0	0	3	8	0
34	668789	231	0	0	3	2	5	0	0	0	0	3	8	0
35	1488108	25	0	0	3	0	9	0	0	0	0	3	6	0
36	1182203	33	0	0	3	0	8	0	0	0	3	2	5	0
37	931957	80	0	0	3	0	8	0	0	0	0	7	3	0
38	778326	119	0	0	3	0	7	0	0	0	0	5	6	0
39	728180	155	0	0	3	0	7	0	0	0	0	4	7	0
40	727276	156	0	0	3	0	7	0	0	0	0	4	7	0
41	301292	116	0	0	3	0	6	0	0	0	0	5	7	0
42	596204	222	0	0	3	0	6	0	0	0	0	3	9	0
43	302196	223	0	0	3	0	5	1	0	0	0	3	9	0
44	597078	323	0	0	3	0	5	1	0	0	0	2	10	0
45	788599	322	0	0	3	0	5	1	0	0	0	2	10	0
46	426220	30	0	0	3	0	5	0	0	0	3	4	0	0
47	1585374	60	0	0	2	8	0	0	0	0	1	0	10	0
48	610398	449	0	0	2	7	0	0	0	0	0	1	11	0
49	170220	148	0	0	2	4	3	0	0	0	0	4	8	0
50	396524	324	0	0	2	4	3	0	0	0	0	2	10	0
51	724204	157	0	0	2	3	5	0	0	0	0	4	7	0
52	930933	59	0	0	2	2	7	0	0	0	1	4	5	0
53	1349868	120	0	0	2	2	6	0	0	0	0	5	6	0
54	1520876	58	0	0	2	0	10	0	0	0	1	8	0	0
55	832748	81	0	0	2	0	9	0	0	0	0	7	3	0
56	603372	70	0	0	2	0	8	0	0	0	0	7	3	0
57	628972	92	0	0	2	0	8	0	0	0	0	6	5	0
58	167148	54	0	0	1	8	0	0	0	0	2	0	10	0
59	111852	52	0	0	1	4	5	0	0	0	2	2	7	0
60	636140	47	0	0	1	0	10	0	0	0	2	8	0	0
61	946398	834	0	0	0	12	0	0	0	0	0	0	9	0
62	422110	802	0	0	0	11	0	0	0	0	0	0	9	1
63	667870	347	0	0	0	10	0	0	0	0	0	2	9	0
64	658654	720	0	0	0	10	0	0	0	0	0	0	11	0
65	101598	777	0	0	0	10	0	0	0	0	0	0	10	1
66	94430	721	0	0	0	9	0	1	0	0	0	0	11	0
67	807006	224	0	0	0	9	0	0	0	0	0	3	9	0
68	675934	450	0	0	0	9	0	0	0	0	0	1	11	0
69	917726	934	0	0	0	9	0	0	0	0	0	0	6	0
70	1618142	56	0	0	0	8	3	0	0	0	2	0	8	0
71	225502	779	0	0	0	8	3	0	0	0	0	0	10	0
72	536798	451	0	0	0	8	0	1	0	0	0	1	11	0
73	265438	662	0	0	0	8	0	1	0	0	0	0	12	0
74	659678	661	0	0	0	8	0	1	0	0	0	0	12	0
75	36062	746	0	0	0	8	0	0	0	0	0	0	10	2
76	667734	605	0	0	0	8	0	0	0	0	0	0	13	0
77	12510	925	0	0	0	8	0	0	0	0	0	0	6	1
78	983115	931	0	0	0	8	0	0	0	0	0	0	6	1
79	651486	853	0	0	0	7	5	0	0	0	0	0	8	1
80	363756	37	0	0	0	7	3	0	0	0	3	0	8	0
81	662764	55	0	0	0	7	3	0	0	0	2	0	9	0
82	793836	232	0	0	0	7	3	0	0	0	0	3	8	0
83	569566	462	0	0	0	7	3	0	0	0	0	1	10	0
84	643166	463	0	0	0	7	3	0	0	0	0	1	10	0
85	340190	722	0	0	0	7	3	0	0	0	0	0	11	0
86	1084638	795	0	0	0	7	3	0	0	0	0	0	9	2
87	282718	440	0	0	0	7	0	1	0	0	0	1	12	0
88	151646	608	0	0	0	7	0	1	0	0	0	0	13	0
89	20574	407	0	0	0	7	0	0	0	0	0	2	6	0
90	1011934	874	0	0	0	6	7	0	0	0	0	0	8	0
91	1127646	17	0	0	0	6	5	0	0	0	2	0	8	0
92	1383660	57	0	0	0	6	5	0	0	0	2	0	8	0
93	1454302	374	0	0	0	6	5	0	0	0	2	8	0	0
94	700638	375	0	0	0	6	5	0	0	0	2	8	0	0
95	789758	780	0	0	0	6	5	0	0	0	0	0	10	0
96	232670	824	0	0	0	6	5	0	0	0	0	0	9	1
97	855262	835	0	0	0	6	5	0	0	0	0	0	8	2
98	348234	325	0	0	0	6	3	0	0	0	0	2	10	0
99	1082590	344	0	0	0	6	3	0	0	0	0	2	9	1

Hj	Gi	Hĵ	ρ(Hj) 1	2	3	4	5	6	ρ̂(Hj) 1	2	3	4	5	6
100	577630	452	0	0	0	6	3	0	0	0	0	1	11	0
101	410718	664	0	0	0	6	3	0	0	0	0	0	12	0
102	602199	663	0	0	0	6	3	0	0	0	0	0	12	0
103	1115373	665	0	0	0	6	3	0	0	0	0	0	12	0
104	66782	216	0	0	0	6	0	2	0	0	0	3	10	0
105	405590	441	0	0	0	6	0	2	0	0	0	1	12	0
106	639006	609	0	0	0	6	0	2	0	0	0	0	13	0
107	266462	610	0	0	0	6	0	2	0	0	0	0	13	0
108	397406	611	0	0	0	6	0	2	0	0	0	0	13	0
109	854093	612	0	0	0	6	0	2	0	0	0	0	13	0
110	721995	646	0	0	0	6	0	2	0	0	0	0	12	1
111	262366	870	0	0	0	6	0	1	0	0	0	0	8	0
112	1246	910	0	0	0	6	0	1	0	0	0	0	6	2
113	409630	1005	0	0	0	6	0	1	0	0	0	0	3	1
114	393246	1005	0	0	0	6	0	0	0	0	0	0	3	1
115	520414	911	0	0	0	5	8	0	0	0	0	0	6	2
116	1717470	41	0	0	0	5	7	0	0	0	3	0	6	0
117	962782	854	0	0	0	5	7	0	0	0	0	0	8	1
118	1160414	903	0	0	0	5	7	0	0	0	0	0	6	3
119	192749	38	0	0	0	5	6	0	0	0	3	0	7	0
120	859372	53	0	0	0	5	6	0	0	0	2	2	6	0
121	1198207	123	0	0	0	5	6	0	0	0	0	5	5	0
122	1217758	384	0	0	0	5	6	0	0	0	0	2	7	1
123	673005	121	0	0	0	5	5	0	0	0	0	5	6	0
124	603253	233	0	0	0	5	5	0	0	0	0	3	8	0
125	839774	234	0	0	0	5	5	0	0	0	0	3	8	0
126	804077	348	0	0	0	5	5	0	0	0	0	2	9	0
127	1086686	365	0	0	0	5	5	0	0	0	0	2	8	1
128	962646	465	0	0	0	5	5	0	0	0	0	1	10	0
129	708702	464	0	0	0	5	5	0	0	0	0	1	10	0
130	733271	723	0	0	0	5	5	0	0	0	0	0	11	0
131	167149	749	0	0	0	5	5	0	0	0	0	0	10	1
132	591070	225	0	0	0	5	3	1	0	0	0	3	9	0
133	230636	327	0	0	0	5	3	1	0	0	0	2	10	0
134	72940	326	0	0	0	5	3	1	0	0	0	2	10	0
135	372822	453	0	0	0	5	3	1	0	0	0	1	11	0
136	405591	454	0	0	0	5	3	1	0	0	0	1	11	0
137	529630	666	0	0	0	5	3	1	0	0	0	0	12	0
138	725086	667	0	0	0	5	3	1	0	0	0	0	12	0
139	985165	668	0	0	0	5	3	1	0	0	0	0	12	0
140	165086	699	0	0	0	5	3	1	0	0	0	0	11	1
141	229612	24	0	0	0	5	3	0	0	0	4	0	3	0
142	164077	953	0	0	0	5	3	0	0	0	0	0	5	2
143	1488094	187	0	0	0	4	9	0	0	0	0	4	3	1
144	494846	899	0	0	0	4	9	0	0	0	0	0	7	1
145	946430	924	0	0	0	4	9	0	0	0	0	0	6	2
146	880877	5	0	0	0	4	8	0	0	0	4	0	5	0
147	1127678	18	0	0	0	4	8	0	0	0	4	0	5	0
148	996469	49	0	0	0	4	8	0	0	0	2	4	3	0
149	1317371	260	0	0	0	4	8	0	0	0	0	3	6	0
150	1357022	264	0	0	0	4	8	0	0	0	0	3	5	1
151	504030	826	0	0	0	4	8	0	0	0	0	0	9	0
152	1281246	869	0	0	0	4	8	0	0	0	0	0	8	1
153	1246715	855	0	0	0	4	8	0	0	0	0	0	8	1
154	111870	875	0	0	0	4	8	0	0	0	0	0	7	2
155	494828	39	0	0	0	4	7	0	0	0	3	0	7	0
156	888044	40	0	0	0	4	7	0	0	0	3	0	7	0
157	802028	51	0	0	0	4	7	0	0	0	2	3	5	0
158	865397	167	0	0	0	4	7	0	0	0	0	4	6	0
159	705773	255	0	0	0	4	7	0	0	0	0	3	6	1
160	869613	377	0	0	0	4	7	0	0	0	0	2	8	0
161	970846	376	0	0	0	4	7	0	0	0	0	2	8	0
162	1230061	385	0	0	0	4	7	0	0	0	0	2	7	1
163	995415	473	0	0	0	4	7	0	0	0	0	1	9	0
164	110846	781	0	0	0	4	7	0	0	0	0	0	10	0
165	1215725	803	0	0	0	4	7	0	0	0	0	0	9	1
166	1279198	836	0	0	0	4	7	0	0	0	0	0	8	2
167	564460	158	0	0	0	4	6	0	0	0	0	4	7	0
168	595166	236	0	0	0	4	6	0	0	0	0	3	8	0
169	597228	235	0	0	0	4	6	0	0	0	0	3	8	0
170	170221	237	0	0	0	4	6	0	0	0	0	3	8	0
171	604277	245	0	0	0	4	6	0	0	0	0	3	7	1
172	864343	349	0	0	0	4	6	0	0	0	0	2	9	0
173	661741	350	0	0	0	4	6	0	0	0	0	2	9	0
174	1213677	750	0	0	0	4	6	0	0	0	0	0	10	1
175	692461	238	0	0	0	4	5	1	0	0	0	3	8	0
176	790782	351	0	0	0	4	5	1	0	0	0	2	9	0
177	823518	466	0	0	0	4	5	1	0	0	0	1	10	0
178	364766	724	0	0	0	4	5	1	0	0	0	0	11	0
179	725214	725	0	0	0	4	5	1	0	0	0	0	11	0
180	233694	726	0	0	0	4	5	1	0	0	0	0	11	0
181	659710	751	0	0	0	4	5	1	0	0	0	0	10	1
182	99582	796	0	0	0	4	5	1	0	0	0	0	9	2
183	700502	328	0	0	0	4	5	0	0	0	0	2	10	0
184	1098846	460	0	0	0	4	5	0	0	0	0	1	10	1
185	98558	965	0	0	0	4	5	0	0	0	0	0	5	1
186	655614	985	0	0	0	4	5	0	0	0	0	0	3	3
187	559198	143	0	0	0	4	3	1	0	0	0	4	9	0
188	569430	442	0	0	0	4	3	1	0	0	0	1	12	0
189	541790	443	0	0	0	4	3	1	0	0	0	1	12	0
190	279646	615	0	0	0	4	3	1	0	0	0	0	13	0
191	1082462	647	0	0	0	4	3	1	0	0	0	0	12	1
192	557150	420	0	0	0	4	3	0	0	0	0	2	5	1
193	1574004	1041	0	0	0	4	3	0	0	0	0	0	0	2
194	67678	296	0	0	0	4	3	0	0	0	2	0	12	0
195	274518	431	0	0	0	4	3	0	0	0	0	1	13	0
196	394326	432	0	0	0	4	3	0	0	0	0	1	13	0
197	536662	569	0	0	0	4	0	3	0	0	0	0	14	0
198	77910	565	0	0	0	4	0	3	0	0	0	0	14	0
199	264286	567	0	0	0	4	0	3	0	0	0	0	14	0

Hj	Gi	Hĵ	ρ(Hj) 1	2	3	4	5	6	ρ̂(Hj) 1	2	3	4	5	6
200	397398	566	0	0	0	4	0	3	0	0	0	0	14	0
201	591949	568	0	0	0	4	0	3	0	0	0	0	14	0
202	590923	597	0	0	0	4	0	3	0	0	0	0	13	1
203	65630	261	0	0	0	4	0	2	0	0	0	3	6	0
204	393302	480	0	0	0	4	0	2	0	0	0	0	8	0
205	131166	827	0	0	0	4	0	2	0	0	0	0	9	0
206	327755	856	0	0	0	4	0	2	0	0	0	0	8	1
207	147486	998	0	0	0	4	0	2	0	0	0	0	3	2
208	540702	1039	0	0	0	4	0	2	0	0	0	0	0	3
209	131102	998	0	0	0	4	0	1	0	0	0	0	3	2
210	524318	1041	0	0	0	4	0	1	0	0	0	0	0	2
211	196611	1041	0	0	0	4	0	0	0	0	0	0	0	2
212	1842687	995	0	0	0	3	12	0	0	0	0	0	3	3
213	1568990	930	0	0	0	3	11	0	0	0	0	0	6	1
214	1719550	967	0	0	0	3	11	0	0	0	0	0	3	4
215	1717502	20	0	0	0	3	10	0	0	0	4	0	3	1
216	1312767	104	0	0	0	3	10	0	0	0	0	6	0	2
217	1372414	912	0	0	0	3	10	0	0	0	0	0	6	2
218	1477886	936	0	0	0	3	10	0	0	0	0	0	5	3
219	931070	935	0	0	0	3	10	0	0	0	0	0	5	3
220	933100	7	0	0	0	3	9	0	0	0	6	0	3	0
221	808190	19	0	0	0	3	9	0	0	0	4	0	5	0
222	1332478	42	0	0	0	3	9	0	0	0	3	0	6	0
223	1619166	43	0	0	0	3	9	0	0	0	3	0	5	1
224	651501	67	0	0	0	3	9	0	0	0	0	9	0	0
225	1312255	132	0	0	0	3	9	0	0	0	0	5	3	1
226	832734	401	0	0	0	3	9	0	0	0	0	2	6	1
227	1181183	409	0	0	0	3	9	0	0	0	0	2	5	2
228	356606	857	0	0	0	3	9	0	0	0	0	0	8	1
229	1248510	876	0	0	0	3	9	0	0	0	0	0	7	2
230	920799	904	0	0	0	3	9	0	0	0	0	0	6	3
231	668909	34	0	0	0	3	8	0	0	0	3	2	5	0
232	826604	82	0	0	0	3	8	0	0	0	0	7	3	0
233	700653	124	0	0	0	3	8	0	0	0	0	5	5	0
234	585965	125	0	0	0	3	8	0	0	0	0	5	5	0
235	799981	169	0	0	0	3	8	0	0	0	0	4	6	0
236	1313275	168	0	0	0	3	8	0	0	0	0	4	6	0
237	411775	170	0	0	0	3	8	0	0	0	0	4	6	0
238	735349	175	0	0	0	3	8	0	0	0	0	4	5	1
239	210142	248	0	0	0	3	8	0	0	0	0	2	7	1
240	1311999	386	0	0	0	3	8	0	0	0	0	2	7	1
241	1382637	476	0	0	0	3	8	0	0	0	0	1	8	1
242	1115643	475	0	0	0	3	8	0	0	0	0	1	8	1
243	1117438	837	0	0	0	3	8	0	0	0	0	0	8	2
244	1150189	838	0	0	0	3	8	0	0	0	0	0	8	2
245	553214	171	0	0	0	3	7	1	0	0	0	4	6	0
246	918782	784	0	0	0	3	7	1	0	0	0	0	10	0
247	921854	804	0	0	0	3	7	1	0	0	0	0	9	1
248	766038	239	0	0	0	3	7	0	0	0	0	3	8	0
249	1181935	352	0	0	0	3	7	0	0	0	0	2	9	0
250	1180895	366	0	0	0	3	7	0	0	0	0	2	8	1
251	1098989	470	0	0	0	3	7	0	0	0	0	1	9	1
252	1148141	752	0	0	0	3	7	0	0	0	0	0	10	1
253	1115359	797	0	0	0	3	7	0	0	0	0	0	9	2
254	917758	1002	0	0	0	3	7	0	0	0	0	0	3	2
255	984181	159	0	0	0	3	6	1	0	0	0	4	7	0
256	94445	353	0	0	0	3	6	1	0	0	0	2	9	0
257	987253	354	0	0	0	3	6	1	0	0	0	2	9	0
258	1180799	753	0	0	0	3	6	1	0	0	0	0	10	1
259	917741	2	0	0	0	3	6	0	0	6	0	0	0	0
260	607349	149	0	0	0	3	6	0	0	0	0	4	8	0
261	786559	203	0	0	0	3	6	0	0	0	0	4	0	2
262	569431	329	0	0	0	3	6	0	0	0	0	2	10	0
263	312414	700	0	0	0	3	6	0	0	0	0	0	11	1
264	148717	150	0	0	0	3	5	1	0	0	0	4	8	0
265	952397	330	0	0	0	3	5	1	0	0	0	2	10	0
266	657527	331	0	0	0	3	5	1	0	0	0	2	10	0
267	594157	456	0	0	0	3	5	1	0	0	0	1	11	0
268	626614	455	0	0	0	3	5	1	0	0	0	1	11	0
269	591085	674	0	0	0	3	5	1	0	0	0	0	12	0
270	1051885	673	0	0	0	3	5	1	0	0	0	0	12	0
271	591991	701	0	0	0	3	5	1	0	0	0	0	11	1
272	1115231	702	0	0	0	3	5	1	0	0	0	0	11	1
273	557293	287	0	0	0	3	5	0	0	0	0	3	3	1
274	589919	954	0	0	0	3	5	0	0	0	0	0	5	2
275	361558	310	0	0	0	3	2	2	0	0	0	2	11	0
276	329822	308	0	0	0	3	2	2	0	0	0	2	11	0
277	427094	309	0	0	0	3	2	2	0	0	0	2	11	0
278	340054	444	0	0	0	3	2	2	0	0	0	1	12	0
279	274519	445	0	0	0	3	2	2	0	0	0	1	12	0
280	266477	620	0	0	0	3	2	2	0	0	0	0	13	0
281	536663	618	0	0	0	3	2	2	0	0	0	0	13	0
282	1049837	619	0	0	0	3	2	2	0	0	0	0	13	0
283	428109	622	0	0	0	3	2	2	0	0	0	0	13	0
284	430166	621	0	0	0	3	2	2	0	0	0	0	13	0
285	590935	623	0	0	0	3	2	2	0	0	0	0	13	0
286	689229	648	0	0	0	3	2	2	0	0	0	0	12	1
287	262381	273	0	0	0	3	1	1	0	0	0	3	5	0
288	393303	408	0	0	0	3	1	1	0	0	0	2	6	0
289	393295	894	0	0	0	3	1	1	0	0	0	0	7	1
290	213022	1029	0	0	0	3	1	1	0	0	0	0	0	4
291	196638	1029	0	0	0	3	1	0	0	0	0	0	0	4
292	1589247	1025	0	0	0	2	14	0	0	0	0	0	0	5
293	1424638	993	0	0	0	2	13	0	0	0	0	0	3	3
294	1771519	1007	0	0	0	2	13	0	0	0	0	0	0	6
295	1679871	9	0	0	0	2	12	0	0	0	5	0	0	2
296	1558655	194	0	0	0	2	12	0	0	0	0	4	0	3
297	1112571	926	0	0	0	2	12	0	0	0	0	0	6	1
298	1175807	962	0	0	0	2	12	0	0	0	0	0	5	2
299	1162494	960	0	0	0	2	12	0	0	0	0	0	5	2