i-1/i	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y	X
A	0.081	-1.898	-0.170	-0.189	-0.288	-0.271	0.095	-0.351	-0.330	-0.058	-0.332	0.133	-0.039	-0.364	-0.397	-0.279	-0.002	-0.299	0.107	-0.702	0.178
C	0.385	0.000	-0.372	-1.286	0.000	-0.288	0.207	-0.388	-0.881	-0.717	0.000	-1.263	0.293	-0.924	-0.260	-0.321	-0.723	0.496	0.000	0.794	0.000
D	0.111	0.324	-0.031	-0.425	-0.171	-0.082	-0.455	-0.528	0.444	-0.346	-0.629	0.485	0.510	-0.065	-0.255	-0.450	-0.215	-0.431	-0.127	-0.735	0.339
E	0.161	0.287	-0.106	-0.253	-0.683	0.218	-0.263	-0.370	-0.414	-0.312	-0.110	0.180	0.065	-0.559	-0.128	-0.281	-0.546	-0.554	0.178	-0.459	-1.068
F	-0.167	-0.332	-0.307	-0.501	0.716	0.227	-0.544	-0.568	-0.780	-0.495	-1.136	0.357	-0.004	-0.577	0.023	-0.714	-1.037	-0.578	0.000	-0.045	0.000
G	-0.200	-0.234	0.035	-0.565	-0.205	-0.111	-0.083	-0.713	-0.481	-0.570	-0.305	-0.098	0.024	-0.730	-0.195	-0.111	-0.287	-0.316	-0.336	-0.525	-0.196
H	0.358	0.000	0.071	-0.881	0.727	-0.468	0.254	-0.940	-0.267	0.592	-0.098	0.407	0.666	-0.182	-0.155	0.300	-0.221	-0.735	-0.176	0.355	0.000
I	-0.366	-0.507	-0.566	-0.343	-0.375	-0.170	-0.561	-0.459	-0.315	-0.002	-1.215	-0.287	0.022	-0.679	-0.416	-0.740	-0.569	-0.871	0.000	-0.648	0.000
K	-0.258	-0.675	-0.083	-0.519	-0.400	0.060	-0.251	-0.585	-0.130	-0.182	0.221	-0.155	-0.220	-0.326	-0.150	-0.323	-0.381	-0.589	0.220	-0.624	0.987
L	-0.048	-1.281	-0.484	-0.322	-0.632	0.352	-0.083	-0.743	-0.467	0.178	-0.008	-0.388	-0.140	0.062	-0.148	-0.514	-0.844	-0.682	0.737	-0.358	1.935
M	0.161	0.000	0.051	-0.517	-1.059	-0.121	0.361	-0.008	-0.027	-0.426	-0.196	-0.136	0.309	0.005	0.158	-0.423	-0.202	-0.237	-0.452	0.115	0.000
N	0.228	-0.062	0.031	0.036	-0.775	0.306	1.056	-0.823	-0.463	-0.055	0.162	0.083	0.608	-0.250	-0.418	-0.148	0.262	-0.364	-0.830	-0.096	-0.750
P	-0.029	-0.407	0.176	-0.203	-1.097	-0.176	-0.220	-0.017	-0.165	-0.185	0.050	-0.595	-0.187	-0.311	-0.413	-0.185	-0.487	-0.321	-0.433	0.503	-0.135
Q	-0.006	0.140	0.118	-0.039	-0.510	0.081	-0.414	-1.264	-0.593	-0.132	-0.305	-0.210	0.141	0.263	-0.366	-0.028	-0.423	-0.246	1.183	-0.374	0.000
R	-0.195	-0.407	-0.026	-0.480	-0.691	-0.262	0.013	-0.193	0.076	-0.546	-1.107	0.093	-0.161	-0.429	-0.617	-0.445	-0.099	-0.851	-0.409	-0.743	0.000
S	0.257	-0.386	0.177	-0.153	-0.921	0.175	0.058	-0.315	-0.430	-0.270	-0.316	0.368	0.126	-0.252	-0.425	0.072	-0.055	-0.471	-0.411	-0.169	-0.300
T	0.216	0.660	-0.006	-0.212	-0.151	0.098	0.526	0.050	-0.231	-0.272	-0.308	0.137	0.054	-0.319	-0.321	-0.316	-0.280	-0.422	0.711	-0.267	0.058
V	-0.190	0.455	-0.515	-0.572	-1.117	-0.019	-0.493	-0.666	-0.371	-0.465	-0.267	-0.463	0.159	-0.080	-0.065	-0.231	-0.560	-0.118	0.769	-0.789	1.382
W	0.000	0.000	-0.931	0.309	-1.424	-0.080	-0.578	-1.164	-0.620	-1.305	0.568	-0.740	0.321	-0.455	-0.892	-0.270	-0.882	-0.587	0.000	0.000	0.000
Y	-0.242	0.000	-0.542	-0.714	-0.445	0.290	-0.170	0.435	-0.737	-0.526	-0.555	-0.147	0.175	-0.321	-0.448	-0.384	-0.457	-1.086	0.586	0.000	0.000
X	0.000	0.000	0.786	-0.482	0.000	-0.416	0.000	0.000	0.000	0.000	0.000	0.612	-0.183	-0.743	-0.185	-0.070	-1.473	0.532	0.000	0.000	1.272

i-2/i	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y	X
A	0.043	-0.526	0.006	-0.111	-0.474	-0.178	-0.282	-0.479	-0.055	-0.032	0.281	0.024	0.129	-0.512	-0.382	-0.320	-0.517	0.136	-0.103	-0.578	0.636
C	-0.409	2.936	-0.080	-0.071	-0.762	-0.250	0.000	-0.111	-0.311	0.000	-0.493	0.000	0.622	0.590	0.000	0.675	-1.306	0.140	-0.730	0.000	0.000
D	0.381	0.617	0.278	-0.656	-0.372	-0.195	-0.914	0.553	-0.247	0.142	-0.278	-0.212	-0.102	0.074	-0.056	-0.132	-0.018	-0.804	0.123	-0.623	0.000
E	0.161	0.000	0.012	-0.253	-1.057	-0.087	-0.095	-0.104	-0.305	-0.211	-0.366	-0.467	0.133	-0.349	-0.515	-0.104	-0.630	-0.111	-0.212	-0.342	1.204
F	-0.097	-1.445	-1.030	-0.272	-0.554	-0.026	0.000	-0.682	0.106	-0.018	1.782	-0.307	-0.314	0.183	-0.691	-0.822	-0.736	-1.106	0.424	-0.865	0.000
G	-0.161	-0.069	-0.083	-0.400	-0.519	-0.042	-0.206	-0.185	-0.554	-0.085	-0.154	-0.539	-0.080	-0.515	-0.500	-0.130	-0.302	-0.115	0.769	-0.517	0.296
H	0.118	-0.765	0.400	-0.254	0.177	0.164	0.057	0.162	-0.056	-0.030	-0.866	0.202	0.205	-0.209	-0.312	-0.593	-0.386	-0.469	0.000	1.083	0.000
I	-0.313	-0.069	-0.313	-0.127	0.618	-0.159	-0.327	-0.873	0.150	-0.317	-0.716	0.255	0.100	-1.050	-1.133	-0.570	-0.231	-0.421	0.000	0.201	0.000
K	0.067	-0.789	0.061	-0.644	-0.227	-0.138	-0.474	-0.185	-0.142	-0.170	-0.441	-0.224	-0.290	-0.756	-0.335	-0.035	-0.505	-0.274	0.598	-0.963	-0.117
L	-0.338	-1.119	-0.087	-0.212	-1.409	0.212	-0.401	-1.057	0.111	-0.537	0.047	0.440	0.096	0.162	-0.143	-0.404	-1.000	-0.178	0.143	-1.010	0.000
M	-0.085	0.731	0.107	-0.076	-0.394	0.158	-0.510	-0.088	-0.227	-0.247	-0.269	-0.206	0.059	0.600	-0.610	-0.499	-0.051	-0.816	0.000	-0.349	0.000
N	-0.157	0.000	-0.364	-0.249	-0.557	0.061	0.078	-0.572	-0.647	-0.362	-0.317	0.160	0.307	-0.105	0.355	-0.171	-0.707	-0.604	0.500	-0.275	-0.444
P	-0.123	-1.395	-0.299	-0.333	-1.032	-0.051	-0.268	-1.088	-0.594	-0.364	-0.498	-0.069	0.022	-0.679	-0.240	-0.442	-0.496	-0.434	-0.155	-0.098	-0.642
Q	-0.166	0.000	-0.251	-0.262	-1.012	0.144	0.387	-0.404	-0.789	0.362	0.284	-0.065	0.129	0.241	-0.018	-0.529	-0.267	-0.491	0.135	-0.147	-0.639
R	0.020	0.836	-0.441	-0.478	-0.719	-0.075	0.103	-0.323	-0.123	-0.382	0.103	-0.129	0.059	-0.015	-0.406	-0.405	-0.383	-0.515	0.000	-0.421	0.000
S	0.167	-0.294	0.150	-0.402	-0.803	0.078	0.367	-0.384	-0.004	-0.094	-0.260	-0.257	0.031	-0.064	-0.213	-0.026	-0.337	-0.647	-0.562	0.322	0.001

	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y	X
T	0.125	0.427	-0.569	-0.497	-0.456	0.178	0.498	-0.090	-0.617	-0.084	-0.146	0.530	0.162	-0.818	-0.196	-0.556	-0.203	-0.178	1.610	0.293	-0.721
V	-0.295	0.458	-0.234	-0.757	-1.294	0.126	0.123	-0.989	-0.725	-0.260	0.434	0.150	-0.215	-0.001	-0.389	-0.331	-0.552	-0.561	-0.573	0.073	-1.409
W	-0.013	-1.072	-1.458	0.583	-1.027	0.247	0.157	0.231	-0.347	-1.409	-0.769	1.192	-0.468	-1.058	-1.009	-0.197	0.000	0.000	-1.611	0.000	0.000
Y	-0.179	-0.442	-0.259	0.163	-0.661	0.493	-0.677	-1.038	-0.610	0.261	-0.855	-0.796	-0.128	0.145	0.586	-0.365	0.289	-0.841	-0.471	1.761	0.000
X	0.634	0.000	1.075	-0.415	0.000	0.311	0.000	1.006	0.000	-1.575	0.019	1.432	0.000	0.000	-0.209	0.053	0.842	-1.188	0.000	-0.417	0.000

i+1/i	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y	X
A	0.291	0.385	-0.076	-0.248	-0.279	-0.106	-0.706	-0.496	-0.156	-0.077	-0.029	0.015	-0.137	-0.567	-0.213	-0.064	-0.470	-0.364	0.000	-0.265	0.000
C	1.389	0.000	-0.173	-0.774	0.000	0.003	0.000	-0.709	-0.064	-0.652	1.147	1.119	0.047	-1.091	-1.006	-0.832	0.098	-0.272	0.000	0.000	0.000
D	0.164	0.406	0.150	-0.375	-0.650	-0.192	-0.239	-0.559	0.129	0.163	-0.065	0.318	-0.033	0.148	-0.028	-0.265	-0.610	-0.753	0.266	-0.147	-0.482
E	0.360	-0.890	0.266	-0.382	-0.326	0.026	-0.091	0.066	-0.355	0.128	0.092	0.515	0.252	-0.615	-0.309	0.076	-0.192	-0.060	1.597	-0.288	-0.543
F	0.068	0.000	-0.051	0.107	0.908	0.061	-1.099	-0.353	-0.123	0.051	-1.133	-0.310	0.018	-0.653	-0.065	-0.585	-0.269	-0.350	0.255	0.188	0.000
G	0.333	0.356	-0.203	-0.045	0.343	-0.060	-0.038	-0.067	-0.177	0.279	0.301	0.226	0.455	0.192	-0.242	0.145	-0.272	-0.536	-0.105	-0.301	-0.179
H	0.428	0.459	0.356	0.071	-0.696	0.138	0.068	-0.822	0.267	-0.057	-0.491	0.029	0.547	0.390	-0.193	0.054	0.572	-0.381	1.208	0.140	2.174
I	-0.090	0.855	0.049	-0.352	-0.852	0.579	0.114	-0.158	-0.554	0.314	-0.335	0.326	0.035	0.017	-0.146	-0.208	0.087	-0.279	-1.423	-0.827	0.000
K	0.227	1.979	0.017	-0.124	0.077	0.038	-0.038	-0.279	-0.134	0.032	0.214	0.403	0.042	-0.098	-0.198	0.417	-0.250	-0.548	-0.271	-0.183	0.000
L	0.096	0.162	-0.030	-0.095	-0.242	0.381	0.185	0.003	-0.139	0.357	-0.383	0.192	0.071	0.064	-0.040	-0.397	-0.133	-0.399	0.538	-0.169	0.000
M	0.590	0.000	0.287	0.188	0.382	0.166	0.439	-0.661	0.127	0.435	0.009	0.386	0.500	0.449	-0.177	0.248	-0.421	0.285	0.000	-0.299	0.000
N	-0.090	-0.645	-0.139	-0.165	0.148	0.060	-0.511	-0.747	-0.019	-0.105	-0.076	0.239	0.390	-0.106	-0.248	-0.133	0.082	0.032	0.234	-0.517	-0.527
P	-1.624	-1.725	-1.900	-2.130	-2.017	-0.834	-1.230	-2.121	-1.953	-1.889	-1.230	-1.570	-1.087	-2.277	-1.522	-1.601	-1.587	-2.283	-0.976	-1.639	-0.432
Q	0.417	1.165	-0.046	-0.141	-0.580	0.204	-0.653	-0.395	0.310	-0.053	-0.034	-0.038	0.102	-0.081	0.263	0.005	-0.089	-0.210	0.767	-0.663	-0.967
R	0.012	0.527	0.327	-0.366	-0.500	0.267	0.128	-0.256	-0.058	0.004	-0.154	0.372	0.161	0.005	0.009	-0.117	0.004	-0.506	2.142	0.181	1.216
S	0.145	-0.534	-0.058	-0.189	-0.322	-0.139	0.242	-0.449	0.054	-0.254	-0.270	0.358	0.093	-0.122	-0.194	-0.035	-0.208	-0.539	-0.418	-0.350	1.553
T	-0.038	-1.902	0.393	-0.362	-0.995	0.258	0.210	-0.526	-0.149	-0.370	-0.083	0.183	0.235	-0.268	-0.122	-0.100	-0.161	-0.071	1.273	-0.571	-0.655
V	0.022	0.669	0.200	-0.376	0.272	0.521	-0.542	0.285	0.166	-0.119	0.102	0.167	0.132	-0.653	-0.264	-0.228	-0.002	-0.127	-0.412	0.447	-0.861
W	0.293	0.000	0.051	-0.770	0.000	0.101	-1.193	0.000	0.396	-1.357	0.058	0.076	0.755	-0.153	-0.982	-0.220	-0.242	-1.236	0.140	-1.092	0.000
Y	-0.376	0.000	-0.394	-0.997	-1.213	0.026	-1.329	-0.325	-0.061	0.469	-0.261	0.041	0.380	0.128	0.096	-0.081	-0.505	0.016	0.000	0.110	0.000
X	-0.120	0.000	0.747	-0.447	0.000	0.110	0.000	0.000	-0.735	0.273	0.000	0.233	-0.495	0.000	0.000	-0.373	-0.116	0.000	0.000	0.000	-2.388

i+2/i	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y	X
A	-0.245	-0.201	0.234	-0.032	-0.256	0.140	0.157	-0.166	-0.358	0.074	-0.268	0.070	0.309	-0.324	0.095	0.238	-0.382	0.063	1.940	-0.651	-0.594
C	0.437	0.482	0.455	0.000	-0.645	0.462	0.517	-0.772	-0.593	0.539	1.065	0.000	0.136	0.000	0.228	0.591	0.122	-2.055	2.823	-2.232	0.000
D	-0.351	0.251	0.255	-0.223	-0.613	0.138	0.024	-0.150	0.239	-0.093	0.399	0.053	0.203	-0.102	-0.371	-0.058	-0.451	-0.582	0.300	0.647	-1.414
E	0.144	0.111	-0.176	-0.617	-0.369	0.057	-0.432	-0.132	-0.235	0.002	0.420	0.323	0.179	-0.200	-0.056	-0.121	-0.200	-0.407	0.618	-0.690	0.105
F	-0.056	2.742	0.004	-0.888	-0.696	-0.248	0.083	-1.437	-0.082	-0.389	-0.309	0.157	0.272	-0.333	0.013	-0.099	-0.396	-0.803	0.000	0.660	0.000
G	0.105	0.000	-0.208	-0.340	-0.552	-0.103	-0.656	-0.411	-0.131	0.125	-0.076	0.249	0.304	-0.527	-0.183	-0.115	-0.525	-0.436	0.053	-0.631	0.104
H	0.037	0.000	0.078	-0.112	0.350	-0.253	0.014	-0.370	-0.222	0.113	-0.635	-0.147	0.376	0.298	-1.305	-0.265	-0.435	-0.043	0.048	0.826	0.000
I	-0.208	0.094	-0.609	-0.567	-0.540	-0.126	-1.456	-0.797	-0.020	-0.208	-0.268	0.425	0.070	-0.247	-0.501	0.153	-0.051	-1.330	0.258	-0.327	1.092
K	0.123	-0.518	-0.181	-0.584	0.116	0.069	-0.574	-0.466	-0.128	-0.076	0.005	-0.375	0.186	-0.502	-0.232	-0.024	-0.255	-0.278	1.306	-0.178	0.000
L	0.394	0.000	-0.112	-0.394	0.826	-0.193	-0.217	-0.491	-0.063	-0.652	-0.096	0.059	0.358	-0.885	-0.587	-0.093	-0.007	-1.239	-0.926	-0.341	-0.055
M	0.466	0.303	-0.016	0.165	0.000	-0.080	-0.609	0.469	0.180	0.309	0.902	-0.777	-0.732	0.719	-0.402	-0.072	-0.139	-1.593	0.178	0.556	0.333

```
N     0.184  0.000 -0.383 -0.027  0.530  0.214 -0.134 -0.317 -0.182 -0.124  0.029  0.417 -0.261  0.391 -0.117  0.114 -0.518 -0.528  1.617 -1.415  1.673
P    -0.269 -0.296 -0.071 -0.634 -0.078  0.029 -0.164 -1.149 -0.338 -0.411 -0.444  0.308 -0.007 -0.674 -0.512 -0.145 -0.224 -0.475 -0.480  0.049 -0.524
Q     0.114  0.050  0.082 -0.228 -0.373  0.140  0.103 -0.004 -0.361  0.523 -0.018 -0.133  0.634  0.082 -0.150 -0.127  0.050  0.116  0.015 -0.016  0.000
R    -0.323  0.000 -0.430  0.058  0.371  0.053 -0.031 -0.341 -0.329 -0.093 -0.879  0.125  0.148 -0.109  0.189  0.208  0.037 -0.749  1.634 -0.127  0.000
S     0.074  1.259 -0.117 -0.134 -0.555  0.107 -0.105  0.137  0.044 -0.012 -0.140 -0.086  0.006 -0.042 -0.183 -0.035 -0.522 -0.734  0.720 -0.351 -0.105
T     0.217  0.274  0.150 -0.504 -0.812  0.407  0.287 -0.178 -0.094  0.280 -0.223 -0.218  0.157 -0.683  0.163 -0.087 -0.035 -0.354 -1.526 -0.212  0.671
V     0.077 -0.929  0.137 -0.774 -0.298  0.103  0.061 -0.430 -0.428 -0.631 -0.955 -0.031 -0.153 -0.352 -0.431 -0.144 -0.919 -0.530  0.000 -1.091  0.432
W    -0.644 -1.014 -0.308 -0.614 -1.001 -0.177  0.000  0.000 -0.269 -0.289  0.000  0.604  0.402  0.148  0.000 -0.526  0.752 -1.364  0.000 -0.780  0.000
Y     0.967  0.000 -0.164 -0.201 -0.112 -0.085 -1.545 -0.788 -0.295 -0.701  0.227  0.543  0.568 -0.558 -0.105  0.105 -0.239 -0.509  0.000 -0.682  1.424
X     0.232  0.000  0.000 -1.517  0.000 -0.000  0.000  0.000  0.981  0.000  0.000  0.673  0.435 -0.049  0.000 -1.166 -1.272  0.000  0.000  0.000  0.000
```