

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	-1.465	-1.807	-1.674	-1.473	-1.530	-1.359	-1.294	-1.698	-1.671	-1.425	-1.439	-1.649	0.000	-1.360	-1.364	-1.783	-1.082	-1.472	-1.981	-0.928	-3.245
C	-0.597	-0.284	0.117	0.879	-0.477	-0.164	1.704	0.435	0.892	-0.144	0.289	1.333	0.000	-0.179	0.626	-0.405	-0.912	1.462	0.641	1.916	0.000
D	0.412	1.148	0.230	0.597	1.213	0.690	0.001	0.686	0.087	0.462	0.344	-0.373	0.000	0.266	0.226	-0.036	-0.867	0.747	-0.647	0.102	1.663
E	-0.024	-0.120	-0.281	-0.100	0.568	-0.192	-0.657	0.268	-0.457	0.206	0.254	-0.643	0.000	-0.341	-0.508	-0.660	0.395	0.106	0.221	0.093	0.288
F	-0.459	-0.544	-0.326	-0.603	-0.916	-0.997	-1.043	-0.009	-0.604	-1.002	-0.845	-0.120	0.000	-0.258	-0.838	-0.362	-0.318	-0.558	-1.804	-1.139	-2.190
G	2.409	2.770	2.081	1.858	2.505	2.002	1.347	2.420	2.143	2.095	2.166	3.070	0.000	1.777	1.533	1.334	2.228	2.378	1.335	2.458	3.748
H	-0.163	-0.868	-0.685	-0.823	-2.285	-0.893	-0.572	-0.106	-0.374	0.129	-0.665	-0.144	0.000	-0.114	-0.767	-0.222	-1.152	-0.589	-0.475	-1.320	2.714
I	0.310	0.002	0.672	0.155	-0.406	0.296	0.964	0.051	0.342	-0.602	-0.494	0.621	0.000	0.385	0.235	0.272	0.490	0.389	0.729	0.150	-0.211
K	-0.478	-0.007	-0.572	-0.644	-1.022	-0.770	-1.605	-0.288	-0.773	-0.390	-0.463	-0.665	0.000	-0.591	-0.504	-0.471	-0.576	-0.088	-1.306	-1.738	1.391
L	-0.747	-1.266	-0.742	-0.392	-1.023	-1.472	-0.157	-0.601	-0.421	-0.984	-0.393	-0.395	0.000	-0.603	-0.489	-0.711	-0.922	-0.786	-1.144	-0.792	-1.514
M	-0.246	-0.609	0.349	0.068	-1.570	-0.028	0.219	-0.348	0.013	-0.301	-0.347	0.201	0.000	-0.101	-0.281	0.020	-1.581	-0.558	0.315	-1.084	1.442
N	0.942	0.723	0.738	0.312	1.689	0.845	-0.070	0.656	0.658	1.169	1.336	0.538	0.000	0.882	-0.086	0.627	1.347	1.462	0.915	0.898	1.504
P	-2.266	-3.096	-3.093	-1.929	-2.557	-1.724	-0.616	-2.033	-2.572	-2.163	-2.019	-2.075	0.000	-2.233	-2.475	-2.294	-1.602	-1.598	-0.757	-2.023	-2.353
Q	-0.144	-1.717	-0.086	0.055	0.024	-0.245	-0.265	0.320	-0.383	0.295	0.208	-0.214	0.000	-0.085	-0.457	-0.065	0.616	0.158	0.268	-0.307	0.160
R	-0.471	-1.192	-0.843	-0.942	-0.810	-0.723	-0.128	-0.186	-0.819	-0.448	0.086	-0.766	0.000	-0.869	-0.727	-0.496	-0.407	0.117	-0.180	-0.118	-2.374
S	1.995	3.862	2.168	2.013	2.777	2.791	2.914	2.094	1.851	1.998	2.183	2.192	0.000	2.032	2.131	2.030	1.134	2.177	1.791	2.634	3.164
T	1.665	1.434	1.552	1.758	1.505	1.230	1.857	1.651	2.056	1.745	2.649	2.330	0.000	2.254	1.860	1.837	1.298	2.128	1.780	2.215	0.862
V	-0.067	0.671	0.499	0.065	-0.335	-0.481	-0.518	0.216	0.145	-0.514	-0.260	0.282	0.000	0.050	-0.145	-0.098	-0.070	0.360	-0.383	-0.198	-0.109
W	-1.052	0.986	-1.411	-0.595	-0.035	-2.409	-1.069	0.076	-0.468	-1.366	-0.594	-1.052	0.000	-0.114	-0.471	-0.576	0.398	-0.124	0.029	-1.529	0.000
Y	-0.947	-1.235	-0.737	-0.584	-1.411	-0.171	-0.153	-0.284	-0.559	-0.744	-0.775	-0.730	0.000	-0.664	-0.550	-1.218	-0.926	-0.149	-0.596	-0.832	0.484
X	1.069	0.000	2.865	1.753	5.020	2.654	1.679	3.225	1.444	0.900	0.619	-0.764	0.000	1.142	1.522	0.549	-0.545	4.159	0.000	1.648	0.441
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	-0.033	0.817	0.144	0.243	0.195	0.152	0.097	0.450	0.204	0.036	0.056	0.895	0.000	0.427	0.200	-0.204	0.921	0.595	0.389	0.283	0.352
C	0.220	1.963	0.467	-0.107	1.153	1.412	1.040	1.182	-0.172	0.768	0.665	0.548	0.000	0.272	-1.496	1.449	0.769	0.004	1.336	0.313	0.000
D	-0.206	-1.200	0.038	0.266	0.201	-0.174	0.598	0.348	0.335	0.146	0.553	-0.301	0.000	0.477	0.295	0.590	0.229	0.660	0.107	0.306	-2.106
E	-0.026	-0.379	-0.283	0.128	0.330	-0.299	-0.290	0.310	0.347	0.256	0.117	0.004	0.000	0.220	0.292	-0.067	-0.399	0.617	0.228	0.573	0.725
F	0.277	-0.289	0.632	0.655	0.741	-0.192	-0.623	0.216	0.326	0.224	0.823	0.757	0.000	0.384	-0.320	0.478	0.923	0.249	0.738	0.445	5.479
G	0.123	-1.909	0.060	0.283	0.461	0.287	0.115	-0.222	-0.016	0.012	0.213	0.913	0.000	0.358	-0.088	-0.157	0.118	0.197	-0.519	0.023	-1.787
H	-0.198	0.047	-0.405	-0.210	0.593	-0.560	0.046	-0.018	-0.813	0.068	-0.416	0.441	0.000	-0.592	-0.677	-0.707	-0.673	-0.684	-0.108	0.367	1.756
I	0.236	-0.224	0.308	0.145	0.521	0.225	-0.103	0.539	0.603	0.488	0.118	0.718	0.000	0.011	0.218	0.799	1.728	0.654	0.398	0.379	1.598
K	0.209	-0.628	-0.219	-0.291	0.449	-0.819	0.427	0.265	-0.019	0.144	-0.390	0.376	0.000	0.107	-0.230	-0.379	0.363	0.527	-0.359	-0.173	-1.437
L	0.158	1.295	0.496	0.436	1.239	0.551	0.758	0.813	0.196	0.591	0.937	0.716	0.000	0.232	0.152	0.570	1.655	0.616	1.017	0.519	1.387
M	0.136	-0.876	0.843	0.217	0.874	-0.548	-0.464	0.139	-0.241	0.829	0.876	1.147	0.000	-0.543	-0.178	0.556	0.822	0.428	-0.396	1.684	-0.717
N	-0.162	1.089	-0.103	-0.255	1.212	-1.071	0.542	0.087	0.175	0.255	1.450	0.166	0.000	0.192	-0.471	0.181	-0.227	0.439	0.171	0.534	1.158
P	1.021	4.471	1.806	0.537	-0.847	0.676	0.000	-0.098	1.347	0.663	0.257	0.000	0.000	1.270	1.715	2.206	2.219	1.727	1.171	0.993	0.000
Q	-0.376	0.175	-0.171	0.033	-0.320	-0.836	0.071	0.132	-0.302	-0.037	-0.102	0.093	0.000	-0.089	0.163	-0.471	0.357	-0.330	-0.706	-0.179	-0.131
R	-0.139	-0.510	0.048	-0.330	-0.107	-0.582	1.383	0.055	-0.203	-0.114	0.058	-0.448	0.000	-0.309	0.003	-0.558	0.701	-0.002	-0.576	0.480	-1.427
S	-0.093	-0.668	0.022	-0.383	-0.207	0.008	0.528	-0.194	0.328	-0.374	-0.109	0.443	0.000	-0.489	0.300	-0.450	-0.702	-0.029	-0.868	-0.114	-0.285

T	-0.597	-1.353	-0.982	-0.107	-0.997	-0.428	-0.334	-0.486	0.030	-0.526	-0.865	0.183	0.000	0.153	-0.537	0.176	-0.361	-0.077	-0.843	-0.133	0.237
V	0.190	0.757	-0.071	-0.002	1.135	0.514	1.150	0.613	-0.087	0.383	0.296	0.377	0.000	0.476	0.208	-0.099	1.162	0.364	0.121	0.639	1.826
W	0.571	2.045	0.791	0.154	1.078	-0.808	0.270	0.669	0.052	0.661	-0.054	0.752	0.000	0.434	0.173	0.481	-1.136	0.107	-3.900	0.984	0.000
Y	-0.218	2.368	0.213	-0.161	0.413	0.435	0.521	0.409	-0.241	0.163	0.568	0.098	0.000	0.846	0.408	-0.265	0.091	0.191	0.273	0.489	-2.228
X	0.245	0.000	-0.774	-1.401	2.484	0.396	5.252	0.831	1.497	1.601	0.164	1.993	0.000	1.450	0.365	1.299	1.236	-0.549	0.000	-0.538	1.439
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	0.153	0.877	0.307	0.209	0.904	0.491	0.618	0.537	0.393	0.339	0.053	0.736	0.000	0.328	0.264	0.251	1.111	0.170	0.145	0.416	0.707
C	-0.546	0.000	0.165	-0.124	1.506	-1.642	0.880	-0.207	0.059	0.805	-0.776	1.021	0.000	-0.319	-0.454	0.252	0.733	-0.352	-1.080	0.000	0.000
D	0.131	-1.205	0.231	0.808	0.961	-0.220	0.354	0.537	0.733	0.462	0.217	0.266	0.000	1.231	1.023	0.140	0.381	0.641	0.384	0.803	-1.542
E	0.465	0.654	1.134	0.787	0.559	0.636	1.235	0.349	0.988	0.447	0.589	1.073	0.000	0.808	1.226	0.801	1.691	0.549	1.136	0.565	0.545
F	-0.399	0.386	-0.485	-0.302	0.712	-0.563	0.219	-0.257	0.071	-0.403	-0.147	0.243	0.000	-0.017	-0.175	-0.498	0.158	0.395	-1.011	0.445	-0.038
G	0.528	0.116	0.420	0.092	1.049	0.900	0.365	0.663	0.359	0.349	1.164	0.577	0.000	0.314	-0.236	0.649	1.536	0.776	1.558	0.318	0.000
H	0.072	3.189	1.061	0.696	0.786	0.106	1.584	0.010	0.498	0.225	-0.204	0.482	0.000	0.499	0.382	1.291	0.439	1.140	1.400	0.001	0.000
I	-0.544	-0.969	-0.521	-0.412	-0.107	-0.603	0.327	-0.421	-0.254	-0.420	0.259	0.184	0.000	0.014	-0.309	-0.767	0.251	0.693	-1.030	0.348	0.651
K	0.470	1.117	0.769	0.798	1.206	0.413	0.678	0.496	0.621	0.595	0.070	0.784	0.000	0.554	0.337	0.663	1.254	0.398	0.479	0.624	2.075
L	-0.200	0.042	-0.126	-0.181	-0.754	-0.310	0.014	0.072	-0.094	-0.119	0.001	0.419	0.000	-0.051	-0.203	-0.185	0.469	-0.206	-0.263	0.398	-1.005
M	-0.816	-0.202	0.560	0.136	0.198	-0.309	-0.418	0.247	-0.050	0.332	-0.537	0.272	0.000	0.420	-0.112	0.749	0.607	0.192	1.039	0.003	-1.341
N	0.304	1.588	-0.079	0.387	0.157	-0.842	1.661	-0.205	0.712	0.533	0.643	0.269	0.000	1.133	-0.057	0.997	1.609	-0.273	-1.781	0.571	2.268
P	-1.048	0.000	-1.364	-2.054	0.686	2.525	0.000	-2.444	-0.026	-1.231	-1.425	-0.198	0.000	-1.338	0.368	-0.447	-5.342	-0.614	2.351	-4.579	0.000
Q	0.355	0.995	0.649	0.734	0.388	0.110	1.606	0.917	0.716	0.600	0.908	0.715	0.000	1.095	0.773	1.047	1.217	0.746	0.160	0.736	-1.366
R	0.198	0.036	0.238	0.349	0.479	0.305	1.263	0.698	0.281	0.250	0.515	0.987	0.000	0.026	0.502	0.135	1.573	0.787	-0.238	0.971	2.098
S	0.702	0.871	1.354	0.898	0.701	0.829	0.189	0.990	0.111	0.618	0.297	1.396	0.000	1.025	0.451	0.744	0.901	0.891	0.232	0.618	1.690
T	0.407	0.890	1.067	0.508	1.099	0.259	-0.418	0.408	0.470	0.831	0.839	0.657	0.000	-0.165	0.898	1.064	0.159	0.773	1.000	1.058	0.842
V	-0.531	-2.299	-0.327	-0.315	-0.127	-0.093	0.096	-0.130	-0.480	0.022	-0.166	0.281	0.000	0.002	-0.372	-0.011	0.264	0.212	-0.054	-0.084	-0.928
W	-0.830	1.214	-0.313	0.431	-2.710	0.138	0.632	0.782	0.671	-0.356	-1.983	0.066	0.000	0.072	0.172	0.728	0.772	1.378	0.000	0.447	0.000
Y	-0.324	-1.825	-0.705	-0.190	0.035	-1.082	-0.287	-0.049	-0.472	-0.464	-0.797	0.010	0.000	-0.605	-0.277	-0.215	2.092	0.250	-1.551	0.390	0.000
X	-0.834	0.000	-0.566	1.385	0.000	-2.228	-1.159	-0.902	0.227	0.111	0.579	-0.243	0.000	-1.720	-1.140	-2.533	-0.255	-0.145	-1.339	-1.317	-1.122
i+3/i	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y	X
A	0.389	0.254	0.523	0.571	0.786	0.955	1.238	0.537	0.814	0.720	0.409	1.143	0.000	0.529	0.589	0.282	1.215	0.801	0.257	0.778	1.332
C	-0.042	0.237	0.219	0.515	-0.499	-0.425	-0.082	0.698	1.792	0.106	1.164	1.368	0.000	1.093	1.043	0.833	1.440	0.441	0.281	1.190	0.000
D	-0.729	0.847	0.224	-0.398	0.167	0.147	0.013	-0.233	-0.191	0.076	-0.188	0.332	0.000	0.436	-0.451	-0.026	0.151	-0.349	0.423	0.110	1.056
E	-0.299	0.118	0.246	0.109	0.647	-0.251	-0.306	0.529	0.178	0.658	1.069	0.776	0.000	0.512	-0.169	-0.041	0.799	0.145	-0.710	0.848	0.194
F	0.750	-0.779	-0.862	0.458	0.239	0.635	1.182	0.282	0.740	0.808	0.200	-0.154	0.000	0.674	0.794	0.678	1.778	0.440	1.115	0.580	-1.130
G	0.743	-0.399	0.691	1.177	1.935	-0.215	-0.232	1.102	1.174	1.144	1.217	1.096	0.000	0.895	1.218	0.390	1.631	1.163	0.828	1.373	0.000
H	0.757	0.546	-0.062	-0.272	1.792	-0.786	2.181	1.375	-0.028	0.496	0.805	0.729	0.000	0.537	0.739	1.086	-0.151	0.622	0.913	0.866	1.165
I	-0.390	-0.024	0.355	-0.094	0.274	-0.395	1.010	-0.180	-0.392	-0.399	-1.523	0.149	0.000	-0.285	-0.041	-0.354	-0.714	-0.115	0.625	0.217	0.434
K	-0.046	2.069	0.165	0.107	0.233	-0.591	0.758	-0.010	0.204	0.611	0.157	0.378	0.000	0.347	0.121	0.097	1.709	0.646	1.270	-0.335	1.993
L	-0.160	-0.165	-0.083	-0.289	0.172	-0.377	0.915	0.054	-0.161	-0.026	-0.203	0.553	0.000	-0.147	0.147	0.394	0.283	-0.011	-0.226	0.276	-0.361
M	0.458	0.941	0.051	0.014	1.137	-0.123	0.826	0.396	0.284	0.389	-0.235	0.755	0.000	-0.211	0.735	-0.155	0.988	0.849	1.889	0.819	-2.601

N	0.405	1.644	0.007	0.007	0.681	0.642	0.617	0.910	0.015	0.580	0.001	0.895	0.000	0.936	0.367	0.196	1.512	0.781	-0.452	0.519	1.817
P	-0.486	3.241	-2.408	-1.175	-3.770	1.467	-3.706	-3.088	-2.947	-3.929	-1.357	-3.398	0.000	-2.751	-1.825	-1.793	-1.672	-3.497	1.216	1.681	0.000
Q	-0.107	0.258	-0.098	0.345	0.796	0.344	0.128	0.871	0.482	0.264	1.146	0.284	0.000	0.494	0.229	0.357	1.582	0.586	0.123	0.560	1.339
R	0.187	1.440	0.272	0.432	0.984	0.372	1.230	0.501	0.409	0.466	0.939	0.440	0.000	0.356	0.306	0.252	1.556	0.899	0.003	0.367	-0.802
S	1.284	0.475	1.484	1.230	1.257	1.300	0.752	1.448	1.375	1.086	0.989	1.184	0.000	1.274	1.402	0.898	2.366	1.888	1.544	1.378	3.732
T	1.800	4.148	1.075	2.024	2.972	0.974	1.409	1.839	1.707	1.918	1.641	1.576	0.000	1.356	1.942	0.997	1.802	2.812	1.535	2.576	1.646
V	-0.129	1.592	-0.615	-0.650	0.219	-0.621	-0.294	0.478	-0.619	0.098	-0.416	0.037	0.000	-0.641	-0.200	-0.243	0.094	0.155	-0.522	0.749	-0.179
W	0.659	2.722	0.398	1.066	-0.743	-0.614	-0.335	-0.148	0.801	0.784	-0.115	0.816	0.000	1.341	-0.258	0.408	-0.757	1.241	0.724	-0.031	0.000
Y	0.408	-0.621	0.405	-0.300	0.363	1.021	0.795	0.715	0.728	0.455	1.175	1.670	0.000	0.733	0.123	0.383	0.843	0.355	-0.029	0.507	0.895
X	0.169	0.804	-0.151	0.596	2.680	0.000	-1.092	1.570	-0.380	1.701	1.628	-0.843	0.000	1.415	-0.329	2.392	1.338	1.039	0.000	2.139	0.656
i+4/i	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y	X
A	0.416	-0.564	0.400	-0.077	0.105	0.340	0.550	0.487	0.030	0.300	0.729	1.040	0.000	0.074	0.445	0.484	0.454	0.281	0.075	0.043	-0.886
C	0.846	0.001	0.192	0.626	0.960	-0.747	1.713	0.807	0.835	0.693	1.193	1.030	0.000	-0.633	2.389	-0.586	1.498	0.805	0.195	1.553	-1.806
D	0.079	-0.699	0.184	0.210	0.148	0.010	0.315	0.600	0.846	-0.335	-0.449	0.253	0.000	0.800	0.582	-0.036	-0.245	0.082	-1.759	-0.424	2.714
E	0.192	0.285	0.014	-0.287	0.042	-0.236	0.432	0.324	0.557	0.694	0.085	0.876	0.000	0.913	0.678	0.358	0.998	-0.096	0.039	0.764	3.870
F	0.830	-0.093	-0.557	0.670	0.362	0.931	1.648	0.481	0.752	1.043	0.760	0.952	0.000	0.830	0.725	1.138	1.485	0.999	2.294	0.601	2.512
G	0.023	0.000	-0.542	-0.256	0.499	0.468	-0.390	0.601	-0.083	-0.081	-1.452	0.120	0.000	0.025	0.108	-0.311	-1.150	0.266	-0.618	1.156	0.000
H	-0.248	0.857	-0.446	0.193	0.549	-0.068	1.143	0.536	-0.382	0.423	0.654	-0.115	0.000	1.018	-0.479	0.120	2.580	0.663	-0.150	1.377	-0.495
I	0.453	3.621	0.337	0.837	0.856	0.680	1.227	0.506	0.459	0.979	0.640	1.094	0.000	1.084	0.478	1.322	1.400	0.993	-0.236	0.865	-0.559
K	-0.407	1.627	0.193	0.106	1.101	-0.086	0.036	0.430	0.133	-0.012	-0.459	0.425	0.000	-0.326	0.592	-0.038	0.485	0.539	0.431	0.790	0.595
L	0.753	0.720	1.041	0.694	1.141	0.395	1.141	0.656	0.703	1.050	1.369	0.825	0.000	0.946	0.827	1.180	1.942	0.974	0.782	0.565	0.846
M	1.042	0.976	0.433	0.852	1.231	-0.442	0.619	0.857	0.988	1.088	-0.268	0.866	0.000	0.086	0.183	0.435	2.058	0.699	0.843	0.448	0.661
N	-0.070	-1.265	0.264	0.514	-0.557	-0.696	1.071	0.572	-0.042	0.719	0.506	1.268	0.000	0.142	0.424	0.045	0.832	1.061	-0.019	1.374	0.000
P	-3.366	-2.132	-2.344	-1.731	-6.755	0.000	0.000	-2.935	-0.203	0.874	0.000	-0.299	0.000	-1.766	-1.974	-0.265	-4.371	0.842	0.000	0.000	0.000
Q	0.028	1.726	0.303	0.575	0.076	-0.134	0.261	0.110	0.373	0.417	0.284	0.119	0.000	0.519	0.244	0.055	1.003	0.704	0.476	0.616	0.306
R	-0.216	0.604	0.165	0.236	-0.469	-0.070	0.868	1.189	-0.132	0.350	-0.003	0.265	0.000	-0.262	-0.139	0.274	0.634	0.196	0.583	0.500	-1.580
S	-0.283	1.137	-0.313	-0.176	0.016	0.014	0.504	0.297	0.104	0.168	0.197	0.081	0.000	0.236	0.213	0.125	-0.078	0.010	-0.846	0.502	2.711
T	0.058	1.082	-0.037	-0.125	1.122	-0.574	-0.166	0.132	0.254	0.051	0.166	0.195	0.000	-0.796	-0.632	-0.321	0.941	0.972	0.973	0.146	2.570
V	0.382	1.093	1.205	0.666	1.710	1.438	0.806	0.200	0.698	0.763	0.439	0.776	0.000	0.877	0.455	0.569	2.112	0.762	1.362	1.753	0.554
W	0.189	-0.653	1.134	0.866	1.518	-0.729	1.514	1.169	0.609	0.778	0.273	1.808	0.000	0.885	0.322	-0.424	2.277	1.530	0.371	0.983	1.539
Y	0.338	-0.092	0.872	0.518	0.715	0.527	0.795	0.723	0.720	0.747	0.487	1.805	0.000	0.633	1.005	0.367	1.170	0.487	-0.138	0.440	1.517
X	0.689	1.096	-0.230	0.000	1.658	0.000	0.000	-0.109	1.251	2.051	0.000	-0.928	0.000	0.271	0.000	-0.885	0.000	0.630	-2.997	-0.417	1.343