

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	-2.047	-3.164	-1.385	-1.667	-2.406	-2.694	-1.544	-2.206	-2.216	-2.510	-2.899	-3.787	0.000	-2.545	-2.592	-3.062	-2.647	-2.530	-3.764	-2.717	-1.624
C	-1.500	1.613	1.403	-0.450	-0.886	-1.227	2.035	1.575	-0.209	1.161	2.217	-0.092	0.000	-1.257	2.360	0.656	3.920	-1.082	1.263	-0.426	0.000
D	-1.408	-3.979	-4.739	-1.748	-1.092	-1.631	-2.795	-1.692	-3.053	-1.967	-0.900	-2.242	0.000	-1.011	-2.816	-1.722	-3.138	-1.435	-0.849	-1.442	0.177
E	-0.182	-0.105	-0.513	0.802	0.925	-0.405	1.524	0.526	0.510	0.629	0.709	-2.121	0.000	1.381	1.392	-0.868	-0.282	0.395	0.683	0.779	0.599
F	-1.075	1.744	-1.243	-0.848	-1.239	-0.715	-1.100	-0.590	-0.476	-1.446	-0.981	0.518	0.000	0.172	-0.279	-0.185	-1.223	-0.817	0.790	-0.624	0.301
G	-2.250	-3.697	-3.067	-2.108	-3.438	-1.885	-3.589	-3.124	-2.456	-2.879	-2.357	-4.624	0.000	-2.678	-1.900	-2.633	-2.067	-2.417	-2.511	-2.972	-1.340
H	-1.800	-0.161	-1.654	1.452	0.477	0.580	0.032	0.075	0.028	0.760	0.761	0.071	0.000	0.785	-0.154	-0.011	0.098	0.887	0.149	1.020	-0.430
I	3.237	3.785	3.065	2.950	3.629	2.929	3.822	2.698	2.579	2.865	4.377	2.489	0.000	3.394	2.444	2.861	2.867	2.575	5.189	4.014	2.828
K	-0.157	-0.360	0.013	-0.023	-0.408	-0.820	0.569	0.575	0.679	0.161	0.726	-0.256	0.000	0.673	0.666	-0.176	-1.078	1.007	-0.772	0.954	1.401
L	0.450	-0.571	0.426	0.074	1.064	0.347	0.914	0.763	0.264	0.262	0.103	0.701	0.000	1.613	0.550	-0.155	0.634	0.864	1.238	1.042	1.526
M	-0.248	1.683	-0.659	1.335	-0.239	1.122	1.500	-0.084	0.228	-0.337	-1.962	-0.214	0.000	-0.015	0.273	0.288	-0.903	0.692	0.960	1.045	1.028
N	-0.982	3.151	0.754	-2.624	-0.462	-1.342	-2.107	-0.069	-0.320	-0.552	0.004	-3.563	0.000	-2.872	-0.142	-1.248	0.769	-0.073	-2.206	-0.001	-0.322
P	0.039	0.000	-3.599	-2.703	-2.903	0.670	-2.020	-1.778	-0.892	-0.945	0.711	-1.977	0.000	0.507	0.012	-1.400	-2.093	-2.770	-3.052	-1.677	0.000
Q	0.832	1.187	0.439	1.562	0.655	-0.417	0.758	0.348	0.748	0.800	0.919	-0.191	0.000	1.189	0.896	0.566	0.416	0.720	-0.375	1.191	-0.768
R	0.277	0.986	0.421	-0.105	0.210	-0.250	-1.082	0.843	1.082	0.137	-0.430	-0.721	0.000	0.389	0.819	0.281	-1.118	0.468	0.576	0.346	0.702
S	-1.038	-3.139	-0.380	-0.383	-1.488	-1.182	-1.401	-1.236	-0.382	-0.776	-0.900	-0.144	0.000	-1.169	-0.001	-0.290	-0.578	-0.016	-0.231	-1.020	0.717
T	1.572	2.229	-0.515	1.791	1.744	0.972	0.816	1.909	1.900	2.046	0.779	1.471	0.000	0.777	1.823	1.392	0.954	1.418	0.896	1.617	4.315
V	3.193	2.192	2.144	2.450	3.347	1.910	2.855	3.050	2.472	2.509	2.349	2.197	0.000	3.138	2.562	2.492	2.817	2.328	3.473	3.072	2.939
W	-1.191	0.940	-0.244	-1.447	0.020	-1.866	0.952	-2.724	-0.356	-1.311	-1.442	-2.657	0.000	-1.861	-0.395	-0.485	-1.804	-3.040	1.438	-1.480	-7.106
Y	-0.219	2.153	1.327	-1.309	-0.543	-2.251	-0.880	-1.414	-0.495	-0.500	-0.038	0.789	0.000	-0.581	-0.629	-0.030	0.132	-1.071	-1.135	-2.777	-3.083
X	-0.083	0.000	-0.899	2.023	-0.657	0.915	0.000	-0.528	0.834	0.782	1.262	0.148	0.000	-0.477	0.169	-0.158	0.652	-2.248	-0.836	-1.001	4.120
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	0.337	1.072	0.213	1.046	0.281	-1.097	0.384	1.057	-0.010	1.113	-0.080	-0.838	0.000	1.697	0.740	0.536	-0.381	0.667	1.103	1.021	-0.325
C	-4.162	-0.947	-2.025	1.804	-1.987	-1.324	2.240	0.050	-0.398	0.369	0.254	2.335	0.000	4.571	-0.148	0.587	-1.016	0.601	-0.706	2.247	0.000
D	0.123	0.000	1.967	2.321	0.894	0.236	-0.023	1.172	0.376	-0.159	3.653	-1.524	0.000	2.350	0.978	0.949	1.882	-1.100	-2.222	-0.730	-0.642
E	1.495	0.997	0.670	0.818	1.458	-0.651	3.657	0.276	0.688	0.596	-0.515	1.035	0.000	0.694	2.361	1.000	0.365	1.367	3.186	0.808	2.591
F	0.163	-0.296	0.598	0.337	-0.028	0.151	0.652	0.071	1.858	0.266	-0.710	2.449	0.000	2.521	1.815	1.397	-0.492	0.194	-0.039	2.069	0.017
G	1.208	0.089	2.562	0.085	-0.275	0.135	-1.702	0.246	0.175	0.612	0.483	0.571	0.000	-0.149	-1.038	0.991	0.150	-0.453	-0.228	1.653	2.379
H	0.978	2.367	0.693	0.305	-0.529	0.460	1.731	1.209	-0.094	0.395	1.654	-0.280	0.000	1.193	0.825	1.419	2.788	1.795	-0.939	2.180	0.000
I	-0.020	2.471	0.010	-0.085	1.076	-0.249	2.200	0.564	0.175	0.675	0.344	0.437	0.000	0.705	0.070	-0.337	-0.460	0.682	1.243	1.797	3.049
K	0.823	0.297	2.702	0.938	0.146	-0.125	1.676	1.074	0.189	1.244	1.021	1.469	0.000	1.234	0.847	0.859	2.404	0.699	1.564	1.463	2.831
L	0.254	0.053	-0.306	-0.094	0.903	0.810	-0.380	0.955	0.092	1.043	0.291	-0.881	0.000	2.342	1.126	-0.480	-0.632	0.835	-0.073	1.403	0.180
M	2.379	-0.348	1.375	0.896	3.132	0.791	2.026	1.407	1.892	0.442	-2.099	-1.245	0.000	-2.119	1.154	1.257	0.203	0.142	-3.936	0.171	0.000
N	0.174	-0.750	-0.693	1.721	1.429	0.689	-0.620	1.864	0.603	0.364	2.937	2.142	0.000	2.332	1.790	0.489	2.241	0.329	-1.699	1.811	-6.008
P	-0.396	4.084	-1.362	0.641	0.021	-0.071	-1.139	-0.396	-0.370	0.110	-2.021	-0.279	0.000	2.910	-1.232	0.254	-0.758	0.690	4.332	1.092	2.346
Q	1.217	0.918	1.094	0.331	0.320	0.465	0.189	1.359	0.170	1.116	-0.137	0.253	0.000	-0.121	1.772	2.031	0.311	0.391	3.808	1.915	-0.539
R	0.890	1.720	1.695	1.650	1.113	0.393	1.402	0.545	2.088	1.230	0.003	1.499	0.000	1.206	0.865	0.875	-0.648	0.370	-1.678	0.603	0.021
S	1.423	1.416	1.138	0.664	0.579	-0.935	3.581	0.195	1.170	0.337	4.168	1.099	0.000	0.945	1.632	0.784	1.296	-0.482	-0.052	-0.210	0.426

T	0.024	-2.119	1.004	1.276	0.989	0.397	0.446	0.577	1.330	-0.630	-0.029	0.650	0.000	0.154	0.960	-0.013	1.014	0.599	1.442	-0.186	-2.031
V	-0.102	0.026	-0.142	-0.249	0.820	0.374	1.575	0.407	0.080	0.680	-0.111	-0.950	0.000	0.120	-0.578	-0.737	0.308	1.225	1.193	-0.063	4.268
W	1.126	5.172	0.156	0.364	-0.905	0.506	-2.528	0.736	1.336	0.616	-2.185	0.606	0.000	0.578	0.005	0.645	-1.137	0.874	-0.408	-0.326	2.606
Y	1.212	3.374	0.333	1.481	-0.493	0.971	0.698	0.711	2.249	0.298	0.871	3.031	0.000	1.890	0.667	1.148	0.986	0.808	2.204	1.509	-0.854
X	-2.792	-1.234	2.872	2.435	0.581	-0.236	0.000	-0.179	-2.176	1.383	-1.131	0.643	0.000	2.157	-3.849	-0.961	0.049	0.434	0.310	1.499	1.504
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	-0.573	-1.113	-0.188	-0.348	-1.885	-0.890	-3.479	-1.126	-0.314	-0.003	-0.346	-1.075	0.000	0.228	-0.942	-1.161	-1.522	-0.181	-1.647	-0.133	0.831
C	0.565	-0.024	-1.940	-0.874	-0.670	-0.700	-1.733	0.660	1.582	0.809	-2.461	1.598	0.000	-0.166	-1.197	-3.719	-0.210	-1.321	2.012	-0.785	0.000
D	1.319	-0.857	-0.727	0.912	0.461	-0.736	-0.101	-0.230	0.417	1.010	-2.328	-0.008	0.000	-1.664	-1.029	0.029	1.020	0.298	-1.019	0.095	0.991
E	0.165	-0.229	-1.171	-0.745	-0.315	0.348	3.158	0.535	-0.076	0.194	-1.099	-0.432	0.000	1.246	0.178	1.007	0.688	-0.914	-1.241	-0.535	1.484
F	-1.379	-4.275	-1.237	-0.274	0.628	-0.914	-0.851	-0.670	-0.686	-0.769	1.547	-0.548	0.000	-0.596	-0.398	-0.878	0.067	-0.419	-1.018	-0.816	-5.109
G	0.071	-1.521	0.469	-1.128	0.570	-1.265	0.827	-0.761	-0.153	-0.897	1.137	-0.228	0.000	-0.346	1.278	-0.441	-0.680	-0.567	0.090	-1.778	-1.861
H	-3.158	0.766	1.840	-0.240	-1.292	-2.153	0.844	0.414	0.149	-0.231	1.873	-1.989	0.000	-0.854	-0.916	-1.158	1.946	-0.299	0.362	1.173	0.000
I	0.349	-3.330	-1.223	0.092	-0.436	-0.457	-0.135	-0.342	-0.465	0.077	0.671	-1.028	0.000	0.490	0.007	-0.988	0.262	0.558	1.229	-0.965	0.899
K	-0.990	-3.192	-0.838	-0.481	-0.619	-0.032	0.258	-0.043	0.120	-0.137	0.089	-1.326	0.000	-0.505	0.489	0.673	0.600	-0.854	0.237	0.122	0.285
L	0.215	-1.961	-0.259	-0.127	0.127	-0.191	-0.101	-0.135	-0.577	0.269	0.399	-0.209	0.000	-0.712	-0.308	-0.948	0.415	0.497	-0.458	-0.520	0.807
M	1.931	3.730	0.507	-0.285	-1.538	1.703	1.237	0.589	0.976	0.031	0.729	-1.091	0.000	1.091	-0.889	-1.459	-0.606	-0.301	-0.292	2.406	0.559
N	0.229	-1.127	0.032	-0.124	1.064	-0.582	1.018	0.188	0.700	-0.495	2.049	-0.102	0.000	1.038	-0.559	-0.868	1.211	-0.567	1.862	0.755	-1.516
P	0.282	0.000	-4.997	0.327	-2.221	-0.017	-1.532	-0.267	-1.265	0.665	-0.571	-1.733	0.000	-0.640	-1.282	1.220	0.505	-1.044	3.102	-3.345	0.000
Q	-0.613	-0.312	0.712	0.502	0.165	-0.168	-0.521	0.122	0.416	0.280	0.229	-2.030	0.000	-0.328	-0.056	-0.056	-0.182	-0.427	-0.531	-0.960	-1.073
R	0.332	0.766	-1.439	-0.169	0.077	0.076	-3.015	-0.045	0.333	-0.532	-1.701	0.339	0.000	1.695	-0.154	1.120	-0.178	-0.851	0.006	0.450	-2.622
S	-0.111	-2.813	-0.453	-0.321	-0.972	1.512	0.607	0.106	-0.005	0.944	-0.447	-1.523	0.000	1.129	1.309	1.164	0.690	0.067	-0.475	0.553	-1.316
T	0.123	1.147	-1.468	-0.048	0.004	-0.638	1.012	0.896	0.477	0.601	0.486	0.490	0.000	-0.331	-0.445	-0.603	0.777	1.157	1.106	0.873	3.965
V	-0.682	-1.065	-1.183	-0.204	-0.070	-0.231	-0.328	0.226	-0.020	-0.290	-0.081	-0.582	0.000	-0.765	-0.195	0.090	0.727	0.720	-0.760	0.141	-0.266
W	-1.990	-2.984	-2.053	-1.929	2.044	-1.074	-2.314	1.029	-0.831	0.489	-2.466	-2.040	0.000	-2.132	-1.896	-2.401	-1.080	-0.756	-1.544	-3.007	-1.869
Y	-0.701	-1.918	0.044	-0.720	-0.605	-0.542	-0.092	0.236	-1.067	-0.737	-1.101	-1.493	0.000	-2.134	-0.050	-1.047	-1.045	-0.859	-1.180	-0.300	-2.603
X	0.386	0.000	0.001	-1.713	0.678	-1.840	-1.917	-2.235	-2.870	0.570	0.701	-3.503	0.000	-2.800	-1.025	0.942	-1.144	-3.198	-0.205	-2.041	1.584
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	-1.364	-1.209	-0.233	0.008	-0.406	-0.602	-2.119	-0.186	-0.155	0.267	0.579	-1.341	0.000	-0.952	-0.110	-0.477	-1.379	-0.133	0.921	-0.218	-1.475
C	0.364	-2.443	-1.532	1.486	0.871	-1.375	2.543	-0.845	-2.099	-0.305	-1.342	-0.084	0.000	0.473	-0.274	4.251	2.025	0.830	-0.004	0.401	-0.709
D	0.223	-0.895	-3.537	0.196	-1.726	-0.494	-2.477	-0.263	-0.522	1.542	-0.632	0.662	0.000	1.275	0.066	-2.314	-1.881	0.352	-2.034	-0.985	0.357
E	-0.111	-1.722	-0.009	-0.403	-1.596	0.844	1.478	0.387	-0.005	0.309	0.280	-0.184	0.000	-0.254	-0.988	-1.148	0.050	0.578	-3.092	-0.057	2.646
F	-0.261	-3.250	-0.132	-0.535	-0.591	-0.319	0.055	0.376	-1.116	-0.455	0.549	-2.142	0.000	0.450	0.448	1.069	1.555	-0.402	-0.620	-0.392	0.016
G	-0.283	-1.726	-1.763	0.616	0.173	-1.045	-0.666	0.669	0.401	0.188	0.248	0.042	0.000	0.100	-0.446	-0.053	0.277	0.137	2.317	0.524	-2.927
H	-0.769	2.838	-0.519	0.067	1.289	-0.026	-0.761	0.433	-1.113	0.246	-1.982	-3.792	0.000	-0.271	-0.292	0.864	-1.054	-0.264	0.341	1.549	0.000
I	-0.334	-2.182	-1.311	0.035	-1.379	-0.857	-0.805	-0.247	-0.032	-0.370	0.062	0.526	0.000	-0.045	-0.161	-0.050	0.377	-0.948	0.405	-1.746	0.359
K	-0.182	-0.971	-1.043	0.032	-0.133	0.958	-0.454	0.129	-0.652	-0.058	2.034	-1.823	0.000	-0.748	0.003	-1.044	-0.472	-0.020	-1.098	-0.697	-3.505
L	-0.324	-1.939	-1.475	0.236	-1.213	0.064	0.051	0.046	-0.502	-0.032	-0.188	-1.387	0.000	-1.649	0.139	-0.262	1.219	-0.753	-0.293	-1.516	-0.003
M	-0.407	1.407	-1.071	-0.517	-0.093	-0.884	-4.054	0.684	1.131	0.510	1.841	1.450	0.000	-1.851	-0.900	1.901	0.166	-0.413	-0.530	0.464	0.010

N	-0.678	-2.489	-0.232	-0.698	-0.457	0.815	-1.507	1.714	0.344	0.400	-0.660	-1.810	0.000	-0.191	-1.051	-2.257	-1.693	0.047	-3.721	-0.861	1.433
P	1.306	2.127	-0.167	-1.045	-0.335	0.045	-1.790	-0.787	-1.978	-1.640	-1.850	-0.002	0.000	-1.877	-1.182	1.231	-0.925	-1.669	-0.820	0.602	2.322
Q	-1.088	-5.171	-1.455	-1.283	-2.344	0.443	-0.372	-0.970	-0.041	1.116	-2.473	-2.782	0.000	1.089	1.706	-2.305	0.234	-0.189	-0.964	-0.545	-0.775
R	0.167	-4.798	-1.494	-1.224	-0.102	-0.341	0.399	-0.225	-0.369	-0.159	1.021	-1.127	0.000	-0.459	-0.885	-0.327	0.533	-0.288	-1.829	-1.228	0.928
S	-0.970	0.054	-0.458	-0.588	-0.137	-0.286	1.277	0.703	0.692	0.406	-0.805	-1.018	0.000	0.544	1.025	-0.517	0.632	0.299	1.205	-0.862	0.553
T	1.023	-0.890	-0.461	-0.660	0.041	-0.422	0.324	-0.326	-0.743	-0.244	1.053	-1.214	0.000	-0.806	0.731	-0.599	-0.315	0.272	-0.417	-0.671	-0.358
V	-0.858	-2.082	-1.163	-0.361	-0.272	-0.881	-0.746	-0.567	-0.065	-0.501	-0.913	-0.596	0.000	-0.824	-0.279	-0.085	0.034	-0.824	-0.133	-0.681	1.543
W	-0.555	-4.407	0.203	-1.577	-0.776	0.312	0.705	1.892	0.577	-0.100	-1.627	1.488	0.000	-1.881	-1.008	-1.604	-1.095	1.539	-3.573	0.286	1.776
Y	-0.528	-0.435	-1.732	-1.125	-1.270	-0.406	-1.670	-0.355	-0.146	0.395	-0.900	-0.787	0.000	-1.644	-0.203	0.434	0.795	-0.623	0.512	-0.367	-0.691
X	-3.070	0.000	-2.746	-4.753	-2.743	-0.887	0.000	-0.071	0.373	0.481	0.000	-3.222	0.000	-1.671	-3.078	1.000	-1.982	-2.885	-3.468	0.487	3.482