

	Ngas	Coal	CO2	Power	Demand
Ngas	1.00	0.09	0.45	0.88	0.66
Coal		1.00	0.05	0.10	0.08
CO2			1.00	0.53	0.68
Power				1.00	0.76
Demand					1.00

Ngas
Coal
CO2
Power
Demand

	0.64905	0.69163	0.66133	0.64849	0.73665	0.73665	0.74029	0.7643
Correlation		6%	8%	8%	66%	67%	6%	9%
Same # Var		6%	6%	7%	65%	66%	6%	6%

Sum of Risk_Factor		Type	Target_ID						
		Demand	Fuel						
Year	Risk_Iteration	ALL	AEP_FUEL_BIGS1	AEP_FUEL_BIGS1_FGD	AEP_FUEL_BIGS2	AEP_FUEL_BIGS2_CC	AEP_FUEL_CC_KP	AEP_FUEL_RP1_KP	AEP_FUEL_RP1D_KP
2011	1	0.05573	0.04863	0.15584	-0.00044	0.05573	0.05573	-0.09942	0.06004
	2	0.00597	-0.08048	0.03594	-0.0342	-0.13025	-0.13025	0.08277	-0.14336
	3	-0.09855	-0.10606	-0.04823	0.0684	-0.09855	-0.09855	-0.08064	0.02682
	4	-0.03656	-0.03656	-0.03656	0.01157	-0.03656	-0.03656	0.04394	0.18365
	5	-0.05358	0.06858	0.22753	0.02356	-0.05358	-0.05358	-0.05358	-0.05358
	6	0.20798	0.20798	-0.11253	0.05829	0.20798	0.20798	0.15106	0.15067
	7	0.03354	0.22522	-0.02474	-0.06143	0.03354	0.03354	-0.1216	-0.08787
	8	-0.02499	-0.05368	0.0522	0.13818	-0.02499	-0.02499	0.03514	-0.19983
	9	0.12941	-0.02636	-0.03202	0.106	0.12941	0.12941	0.09567	0.11693
	10	-0.11721	0.09405	-0.23597	-0.01403	-0.00527	-0.06922	-0.05751	0.07161
	11	0.04552	-0.0233	-0.01078	-0.07293	0.04552	0.04552	-0.05125	-0.11555
	12	0.10174	-0.15406	0.01249	0.2167	0.05202	0.05202	-0.14273	0.05202
	13	-0.21566	-0.01093	0.07914	-0.16777	-0.21566	-0.21566	-0.0077	-0.01054
	14	-0.0802	0.02014	0.06183	-0.10045	-0.0802	-0.0802	-0.02905	-0.02566
	15	0.06859	0.06859	0.12534	0.02562	0.06859	0.06859	0.06859	0.06859
	16	-0.04233	-0.04262	-0.14227	0.09196	-0.04233	-0.04233	0.05728	-0.07747
	17	-0.14547	0.00219	0.02284	-0.12319	-0.14547	-0.14547	0.17341	-0.06023
	18	0.10589	0.12861	-0.10271	-0.05011	0.10589	0.10589	-0.19405	0.01043
	19	0.01443	0.05781	0.09181	0.04113	0.01443	0.08701	0.1151	0.01883
	20	-0.00928	-0.245	-0.07609	-0.13129	0.11458	0.10644	0.00645	0.04378
	21	-0.30193	-0.06791	-0.14731	0.08281	-0.30193	-0.30193	-0.07521	-0.09952
	22	-0.09955	0.01403	-0.01858	0.00505	-0.22316	-0.22316	-0.0335	-0.22316
	23	0.14739	-0.03963	0.09873	0.01861	-0.03933	-0.03933	0.09379	-0.0449
	24	-0.0338	0.14356	0.01349	-0.0338	-0.0338	-0.0338	0.14397	-0.0052
	25	0.1016	0.10046	0.13179	0.03682	0.1016	0.1016	-0.05266	0.05463
	26	0.03719	0.00983	0.20685	-0.0932	0.0433	0.0433	0.07764	-0.20505
	27	-0.10539	-0.11718	-0.04377	-0.03542	-0.10539	-0.10539	-2.7E-05	-0.10539
	28	0.01077	-0.0103	0.06066	-0.01336	0.01077	0.01077	0.00085	-0.06765
	29	0.1832	-0.05639	-0.05661	0.04056	0.13703	0.04521	0.04521	0.16364
	30	0.06005	-0.04117	0.00419	0.13547	0.06005	-0.04117	0.06327	0.11589
	31	-0.13052	-0.17752	-0.0858	-0.11026	0.04249	0.17741	-0.04617	0.17741
	32	-0.00856	-0.14935	-0.00239	-0.07808	0.03044	0.03044	0.02206	-0.02988

33	-0.07364	0.12278	-0.18239	0.05754	0.02149	0.02149	0.11994	-0.05903
34	-0.04455	-0.01716	-0.03676	-0.04455	-0.04455	-0.04455	-0.0253	-0.02236
35	-0.05302	-0.03847	-0.10456	0.2765	-0.05302	-0.05302	0.05049	0.2066
36	-0.02027	0.23158	0.03164	-0.04201	-0.11087	-0.02027	-0.0891	-0.11109
37	0.06892	0.06892	0.12016	-0.1524	0.06892	0.06892	0.02679	0.03358
38	0.01273	-0.08982	0.01273	-0.06318	0.01273	0.01273	0.23863	0.07747
39	0.10627	0.06253	-0.06926	-0.19703	-0.0049	-0.0049	-0.0049	0.10188
40	0.04076	0.02886	0.04046	-0.00491	0.11738	0.11738	-0.15189	0.01338
41	0.16184	0.16184	0.10639	0.16461	0.16184	0.16184	-0.03909	0.10354
42	-0.12743	0.05546	-0.06181	0.14763	-0.18128	-0.18128	0.13356	0.05213
43	0.0236	-0.12361	-0.10976	-0.22731	0.0236	0.0236	0.0236	-0.0884
44	0.25138	-0.03665	-0.04593	0.09122	0.25138	0.25138	0.03896	-0.02324
45	-0.18127	0.02699	-0.0819	-0.15465	-0.18127	-0.00086	-0.24843	0.14083
46	0.06642	0.06642	0.03447	0.03271	0.06642	0.06642	-0.05395	-0.19586
47	-0.02265	-0.21398	0.22169	0.01305	-0.02265	-0.02265	0.06257	-0.10996
48	-0.09138	-0.13777	0.05562	-0.09138	-0.09138	-0.09138	0.07056	-0.00807
49	-0.06844	0.10858	-0.0241	-0.12298	-0.06844	-0.06844	-0.06844	-0.07305
50	0.09199	0.15798	0.09199	0.08314	-0.15636	0.09199	-0.11973	-0.1363
51	0.08105	0.1983	0.04655	-0.00278	0.0931	0.0931	-0.08385	-0.03962
52	0.11079	-0.00861	-0.10837	-0.06256	0.11079	-0.10837	-0.10837	0.07632
53	0.03479	-0.01914	-0.15712	-0.07178	-0.07107	-0.07107	-0.02081	0.01942
54	-0.03749	0.01446	0.15422	-0.02482	-0.06487	-0.06487	0.02998	0.02789
55	0.04843	0.09009	0.01911	-0.0908	0.04843	0.04843	0.02084	0.04843
56	-0.05146	-0.04836	-0.18682	-0.04674	-0.00529	-0.01417	-0.01417	0.10919
57	-0.05444	-0.1033	0.0785	-0.03786	-0.03786	-0.03786	0.16613	-0.03786
58	0.01207	0.00151	-0.08782	0.01207	0.01207	0.01207	-0.00018	-0.02799
59	-0.00682	-0.07924	0.01181	-0.03207	-0.00682	-0.00682	-0.0282	0.01165
60	-0.14506	0.07857	-0.02924	0.12086	-0.09324	-0.09324	-0.08874	0.18734
61	0.16366	-0.10784	0.05194	-0.03583	0.16366	0.16366	0.14458	-0.08571
62	-0.10194	0.0996	0.01667	0.26584	-0.02263	-0.10194	-0.10194	0.03384
63	0.01328	-0.10066	0.16747	0.01328	0.01328	0.01328	0.08623	-0.13513
64	0.03488	-0.0638	-0.04021	-0.11605	0.00179	0.03488	0.12528	0.08206
65	-0.16364	0.19615	-0.1009	0.04223	-0.16364	-0.16364	-0.01622	0.04851
66	-0.20359	-0.02276	-0.02815	-0.16681	-0.20359	-0.20359	0.01209	-0.04029
67	0.04219	0.04219	-0.08381	0.01168	0.04219	0.04219	-0.11066	0.04219
68	0.0565	0.00078	0.01091	-0.05589	-0.02349	-0.02349	0.07614	-0.187
69	-0.1066	-0.23384	-0.06069	0.01703	-0.1066	-0.1066	-0.0503	0.05439
70	-0.0671	0.04163	-0.15443	0.1015	-0.0671	-0.0671	-0.0671	-0.0593
71	-0.07684	-0.0117	0.1018	-0.04105	-0.07684	-0.07684	-0.16197	-0.03365
72	-0.03224	0.13087	0.05459	0.14584	-0.03224	-0.03224	0.05537	-0.11952
73	-0.02056	0.01341	-0.10798	0.07425	-0.08586	-0.08586	-0.07084	-0.07617
74	0.1749	-0.04671	0.1749	-0.00147	0.1749	0.1749	-0.08872	-0.0172
75	0.08891	0.03221	-0.01821	0.08891	0.08891	0.08891	0.02814	0.00594
76	0.12807	-0.07542	0.08326	0.03193	0.12807	0.12807	0.04425	0.17913
77	0.00679	0.06301	0.03298	-0.08985	0.00679	0.00679	-0.03494	0.11634
78	-0.00073	-0.0255	-0.18446	-0.15022	0.02675	0.02675	-0.23943	0.09451
79	-0.04611	-0.1447	0.11414	0.10691	-0.02938	0.00071	-0.00107	-0.00117
80	0.08284	0.08172	0.12986	0.0569	0.08284	-0.06172	0.16716	0.01744
81	-0.0235	-0.06117	0.26682	-0.01865	-0.04764	0.0615	-0.03589	0.02473
82	0.02089	0.01483	-0.01704	0.02089	0.02089	0.02089	0.15808	-0.222
83	-0.08121	-0.21961	-0.0765	-0.07725	-0.05971	-0.08121	0.07884	0.05512
84	0.05092	-0.04057	-0.1751	-0.05585	0.09911	-0.16376	0.11056	-0.06568
85	0.00215	0.11561	-0.03719	-0.1023	0.02797	0.00215	0.00215	-0.08937
86	-0.13236	0.16501	0.14207	-0.25717	-0.13236	-0.13236	-0.01659	-0.12899
87	-0.0892	0.05844	-0.24069	-0.24069	0.14388	-0.24069	0.02393	-0.10784

88	0.12032	0.12032	0.12032	0.00895	0.12032	0.12032	-0.08453	0.12032
89	-0.03397	-0.01165	0.00922	0.01913	-0.03397	-0.01367	0.08644	-0.02811
90	-0.06154	-0.08991	0.03073	0.15264	-0.08991	-0.08991	0.03628	0.09334
91	-0.05042	-0.10818	0.01492	-0.03541	-0.05042	-0.05042	-0.01094	-0.0438
92	0.07625	-0.13561	0.04581	0.07794	0.07625	0.07625	0.19971	-0.06976
93	-0.00256	0.0749	-0.05749	0.03323	-0.00256	-0.00256	-0.00256	0.03137
94	0.09485	0.09589	0.10003	0.0539	0.1226	0.04579	0.00655	0.04579
95	0.12874	0.052	-0.14316	0.17444	0.12874	-0.07405	-0.17888	-0.00891
96	-0.18917	0.00958	-0.08913	0.09022	-0.18917	-0.18917	-0.14605	0.14687
97	0.03341	-0.02811	-0.11662	0.12695	0.03341	0.03341	0.0421	0.19522
98	0.19223	-0.07539	-0.00137	-0.00509	0.19223	0.19223	0.06199	0.1154
99	-0.10682	-0.01598	0.06057	-0.04576	-0.10682	0.1052	-0.05521	0.00724
100	0.0646	0.13948	0.08053	-0.12005	-0.03014	-0.03014	-0.11708	0.04987

2012

1	0.05573	-0.09594	-0.07882	0.06005	0.07928	0.05573	0.00014	-0.04148
2	0.00597	0.08114	0.08163	0.15622	0.15622	0.15622	0.06459	-0.09552
3	-0.09855	0.04544	0.26789	0.20303	-0.09855	-0.09855	0.03053	0.02872
4	-0.03656	-0.00614	0.02666	0.07235	0.04917	0.04917	0.14098	-0.00826
5	-0.13326	-0.08046	-0.17002	0.00392	0.03227	-0.13347	0.0721	0.02476
6	0.20798	0.00605	-0.02397	0.11003	0.20798	0.20798	-0.20068	-0.08035
7	0.03354	-0.1308	0.11995	0.02015	0.03354	0.00972	-0.0157	-0.23256
8	-0.02499	0.13201	0.06358	-0.04481	-0.05565	0.00979	0.09407	-0.0128
9	0.12941	0.02932	-0.09182	-0.01407	0.10179	0.12941	-0.06737	-0.05404
10	-0.11721	-0.02916	-0.11917	0.14265	-0.11721	-0.11721	-0.11721	-0.11721
11	0.04552	0.17084	-0.0427	-0.12833	0.04552	0.04552	-0.09439	-0.03199
12	0.10174	-0.24553	0.14278	0.04733	0.01605	0.01605	0.10771	0.1312
13	0.0215	0.11992	0.02075	-0.17046	0.0215	0.0215	-0.05182	0.11794
14	0.34713	0.10051	-0.03759	0.03601	0.34713	0.34713	0.19278	0.06667
15	0.05105	-0.12337	0.05005	-0.03652	0.02726	0.23212	0.04339	0.26044
16	-0.04233	0.02268	-0.04233	0.09701	-0.04233	-0.04233	-0.0079	-0.04233
17	0.08922	-0.01944	0.00918	-0.12338	-0.17283	-0.17283	-0.13079	0.09816
18	0.10589	0.06022	0.09695	-0.08389	-0.01572	-0.01572	0.01913	-0.15098
19	-0.06234	-0.05116	-0.00465	-0.00734	-0.06234	0.04107	-0.10867	-0.10883
20	-0.00928	-0.06041	-0.05552	-0.05667	-0.00928	-0.00928	-0.07579	0.07417
21	-0.30193	-0.13518	-0.01946	0.09209	-0.30193	-0.30193	-0.13781	-0.30193
22	-0.09955	0.09801	0.12612	-0.02976	0.05933	0.05933	0.05335	0.05894
23	0.14739	-0.05069	0.04287	0.0478	0.03776	0.03776	0.11647	0.01116
24	-0.0338	-0.0276	-0.11195	-0.07794	-0.0338	-0.0276	0.19727	-0.0406
25	0.1016	0.16484	0.0707	0.06257	0.1016	0.1016	0.04202	0.03041
26	-0.01092	-0.22909	0.18353	0.21449	-0.01092	-0.01092	-0.0017	0.24177
27	-0.10539	-0.07187	-0.05354	-0.08907	-0.10539	-0.10539	0.07906	0.15887
28	0.01077	-0.12161	-0.04931	-0.1049	0.01077	0.01077	-0.01274	0.09904
29	0.1832	0.00952	-0.17004	-0.06583	0.1832	0.1832	-0.08162	0.07762
30	0.06005	-0.0016	-0.00713	0.11662	-0.15549	0.06005	-0.05423	0.04398
31	-0.13052	0.05054	-0.08753	-0.05036	-0.13052	-0.13052	-0.12267	-0.13397
32	-0.00856	0.11327	-0.08307	-0.00856	-0.00856	-0.00856	-0.03498	-0.0755
33	-0.05064	0.14446	0.00419	-0.01894	-0.04916	-0.05064	0.01854	-0.03527
34	-0.04455	-0.0872	0.09323	0.07259	-0.04455	-0.04455	0.00819	-0.01609
35	-0.05302	0.05933	0.13943	0.03146	-0.05302	0.09687	-0.03866	0.10907
36	0.08707	0.02109	-0.02965	-0.12981	0.08707	0.08707	0.09289	0.02245
37	0.06892	0.07043	0.01691	0.01025	0.06892	0.12859	-0.09048	-0.06507
38	0.03562	-0.05983	-0.05983	-0.20557	-0.05983	-0.05983	0.03335	-0.05983
39	0.10627	-0.01598	-0.13956	0.15855	0.10627	0.10627	0.10627	-0.09355
40	0.04076	-0.0525	0.02867	-0.00557	0.04076	0.16766	-0.18626	-0.11804
41	0.16184	0.05352	0.00662	-0.22262	0.16184	0.16184	0.17943	-0.09221
42	-0.12743	0.07902	-0.12743	-0.14718	-0.12743	-0.12743	0.05284	-0.04088

43	0.0236	0.0236	0.0711	0.0236	-0.04359	0.0236	0.0236	-0.00496
44	0.25138	-0.14197	0.25138	-0.01614	0.25138	0.25138	-0.2241	-0.02688
45	0.11284	-0.10193	-0.009	0.09075	0.11284	0.11284	-0.02536	0.04662
46	0.06642	0.05171	-0.0849	0.03738	-0.09035	0.01905	0.077	0.15381
47	-0.02265	-0.01962	0.03024	-0.01962	-0.01962	-0.01962	-0.01962	0.09776
48	-0.09138	0.36368	0.21287	0.16032	-0.09138	-0.09138	-0.12927	-0.07095
49	-0.06844	0.02421	-0.13475	0.04081	-0.06844	-0.06844	0.10423	0.02031
50	0.09199	0.10406	-0.06815	0.0676	-0.03121	0.09199	0.02363	-0.14198
51	0.08105	-0.18627	-0.12475	0.05354	0.08105	0.08105	-0.01838	0.06146
52	0.11079	-0.01631	0.04125	-0.00831	0.11079	0.11079	-0.06603	0.00939
53	0.03479	-0.05612	-0.02161	-0.0402	0.03479	0.03479	-0.11435	-0.1686
54	-0.03749	-0.10641	0.01682	-0.0704	-0.03749	-0.03749	-0.08938	-0.03749
55	0.04843	0.04843	0.13231	0.1795	0.04843	0.04843	0.10336	0.07912
56	-0.05146	-0.04316	0.12773	0.00708	0.07032	-0.03252	0.03314	0.21181
57	-0.05444	0.00654	-0.0349	-0.02796	-0.05444	-0.05444	0.00307	-0.05444
58	0.01207	-0.02814	0.09136	-0.06427	0.01207	0.01207	0.13047	-0.01606
59	-0.04051	0.16194	0.06482	0.02045	-0.04051	-0.04051	-0.07262	-0.06503
60	-0.14506	0.02855	-0.16967	0.11771	-0.14506	-0.14506	0.04545	-0.12414
61	-0.22316	-0.02139	0.14461	0.0526	-0.22316	-0.22316	0.00983	-0.22316
62	0.10005	0.24492	-0.02755	0.15618	0.03843	0.03843	-0.03326	0.05143
63	0.01328	0.03524	-0.09198	0.0915	0.01328	0.01328	0.0889	-0.06502
64	0.03488	0.0449	0.01594	-0.11821	-0.05787	-0.05787	-0.05787	-0.01861
65	-0.16364	-0.04888	-0.16364	0.07509	-0.16364	-0.16364	-0.05959	0.00415
66	0.03403	0.00474	0.09858	-0.16322	0.09858	0.09858	-0.11074	0.28069
67	-0.04094	-0.1347	0.01053	0.01001	-0.04094	-0.16703	-0.07956	-0.03385
68	0.0565	-0.0022	0.05796	-0.05067	0.0565	0.0565	0.13731	-0.3002
69	-0.1066	-0.06104	0.06799	-0.09692	0.06135	0.06135	0.06135	-0.08522
70	-0.0671	-0.0354	0.19302	-0.0206	-0.0671	-0.0671	-0.0671	0.11303
71	-0.07684	-0.08583	0.03643	-0.24351	-0.07684	-0.07684	-0.04659	0.03788
72	-0.03224	-0.07536	-0.07807	0.02322	-0.03224	-0.03224	0.0537	-0.03224
73	0.23208	0.23208	-0.05712	0.02999	0.23208	0.23208	-0.16789	0.07295
74	0.1749	-0.2131	-0.19553	-0.01085	0.1749	-0.12201	-0.16109	-0.11687
75	0.08891	-0.10847	-0.15009	-0.07975	0.08891	0.08891	-0.00156	0.08948
76	0.12807	0.06959	-0.01283	0.10947	0.12807	0.12807	0.12807	0.13065
77	0.00679	0.01601	-0.04627	0.04618	0.00679	0.00679	0.07129	-0.00999
78	-0.00073	0.1524	0.09666	-0.02944	-0.00073	-0.00073	0.02884	0.06096
79	-0.04611	0.08481	0.04862	-0.05508	-0.04611	-0.0009	-0.01887	0.01804
80	0.08284	0.05391	-0.003	0.16978	0.08284	0.08284	0.19215	-0.04792
81	-0.0235	0.0313	-0.0235	-0.05708	-0.05586	-0.0235	-0.0804	0.02568
82	0.02089	0.02089	0.02089	-0.0186	0.02089	0.02089	0.04851	-0.08018
83	-0.09047	-0.07943	-0.07278	-0.00368	-0.09047	-0.09047	-0.02799	-0.10046
84	0.05092	-0.1763	-0.08965	0.05345	-0.16458	-0.16458	0.13143	0.04681
85	0.00215	-0.12733	-0.05109	0.1438	-0.04983	-0.04983	0.16829	-0.12522
86	-0.13236	0.04784	-0.03696	0.20804	-0.13236	0.06897	-0.14298	-0.00346
87	-0.0892	0.1795	0.02627	-0.12496	-0.0892	-0.0892	0.02606	-0.02852
88	0.12032	-0.05268	0.20903	0.04556	-0.11208	-0.11208	-0.06028	0.01479
89	-0.03397	0.00829	-0.01119	-0.08553	0.04089	0.04089	0.06386	0.11371
90	-0.07156	-0.03874	0.06571	-0.07066	-0.07156	0.06571	-0.01398	-0.02092
91	-0.05042	-0.02935	0.11254	0.00021	-0.03186	-0.05042	-0.08814	0.05559
92	0.07625	0.07306	-0.16092	-0.12962	0.07625	0.16593	-0.00984	0.18134
93	-0.00256	0.06234	-0.00256	0.02482	-0.00256	-0.00256	-0.1162	0.09226
94	0.09485	0.08462	0.05188	0.09569	0.09485	0.09485	0.1156	-0.32894
95	0.12874	0.16273	0.0091	0.08225	0.12874	0.12874	-0.27648	0.08295
96	0.11313	0.10822	-0.02115	-0.17921	-0.02856	-0.02856	0.09758	0.14876
97	0.01278	-0.00308	-0.11226	-0.03534	0.01278	0.01278	-0.04559	0.01278

	98	0.19223	-0.09	0.14416	0.03038	0.19223	0.19223	0.01296	-0.05769
	99	-0.10682	-0.02396	0.01386	-0.04758	-0.10682	-0.10682	0.07192	-0.13735
	100	0.0646	0.0646	0.0646	0.12424	0.0646	0.0646	0.0646	-0.04957
2013	1	-0.21435	-0.0301	0.00832	0.05492	-0.21435	-0.21435	0.05475	-0.04361
	2	0.04154	0.09098	-0.05468	0.11537	0.19948	0.04154	-0.05718	0.04154
	3	-0.09855	-0.09855	-0.04148	-0.09855	-0.09855	-0.09855	0.01368	0.07039
	4	-0.03656	0.29251	0.23853	0.03233	-0.2101	-0.2101	0.33276	0.08488
	5	-0.06111	-0.0961	0.07557	0.02416	-0.06111	-0.02312	-0.00914	-0.02684
	6	0.20798	-0.06872	-0.16482	0.20798	0.20798	0.20798	-0.12335	0.04972
	7	0.26134	-0.14511	0.26134	0.14455	0.26134	0.26134	-0.03675	-0.11228
	8	-0.02499	-0.00521	0.05081	-0.15038	-0.0262	-0.0262	-0.1435	-0.09393
	9	0.00128	0.02253	0.06521	0.00523	0.00128	0.00128	0.15683	0.11715
	10	-0.11721	-0.19855	-0.08827	-0.05847	-0.11721	-0.11721	-0.02277	0.01445
	11	0.04552	0.10967	0.08562	-0.03881	0.04552	0.04552	-0.20682	-0.07987
	12	-0.04551	-0.11475	-0.11632	-0.04551	-0.04551	-0.04551	0.04519	0.00913
	13	-0.07397	-0.05776	-0.02866	-0.00231	-0.07397	-0.07397	0.03456	0.03151
	14	0.34713	0.14278	0.14355	-0.0171	0.34713	0.34713	0.06803	0.06341
	15	0.05105	0.06763	0.02801	-0.23904	0.0071	0.00671	0.10393	-0.13827
	16	-0.04233	-0.01856	-0.07582	0.04015	-0.04233	-0.04233	-0.0517	-0.04233
	17	0.08922	0.03772	0.11524	-0.11414	0.08922	-0.06204	0.0035	-0.06204
	18	0.10589	0.10589	0.02033	-0.08776	0.10589	0.10589	-0.07337	-0.00268
	19	0.1392	0.05622	-0.0079	0.1801	0.1392	0.0965	-0.10233	0.17427
	20	-0.00928	0.00393	-0.15998	0.0748	-0.00928	-0.00928	0.08601	0.15991
	21	0.01641	0.01641	-0.11637	0.05409	0.01641	0.01641	0.05625	0.1594
	22	-0.09955	-0.14483	0.02987	0.08736	-0.09955	-0.09955	-0.02027	-0.09955
	23	0.14739	-0.05816	-0.0679	-0.07176	0.0227	0.0227	-0.0098	0.00164
	24	-0.0338	-0.07446	-0.02129	0.12526	-0.0338	-0.0338	0.07824	0.08687
	25	0.1016	0.00071	0.0671	-0.20913	0.1016	0.1016	-0.05956	-0.10987
	26	-0.07241	-0.0456	0.00665	-0.11052	-0.12007	-0.12007	0.11988	-0.12007
	27	-0.10539	0.07721	0.18163	0.0266	-0.10539	0.18038	0.09134	0.03029
	28	0.01077	0.1916	0.02105	-0.05769	0.01077	0.01077	0.15319	0.06356
	29	0.1832	-0.02694	-0.06631	-0.02332	0.1832	0.1832	-0.026	0.1832
	30	0.06005	0.17341	0.1089	0.01739	0.17341	0.17341	-0.0795	-0.00331
	31	-0.13052	0.01822	-0.00983	0.00826	-0.13052	-0.13052	0.00858	0.04175
	32	-0.00856	-0.00754	0.1325	0.06849	-0.00856	-0.00856	0.05199	-0.19387
	33	-0.05064	0.05645	0.10312	-0.02626	-0.05064	-0.05064	-0.11475	0.01644
	34	-0.04455	0.04374	-0.10034	-0.04309	-0.04455	-0.04455	-0.15566	-0.13314
	35	-0.05302	0.09042	-0.13781	0.18828	-0.05302	-0.05302	0.18577	-0.05302
	36	0.08707	-0.01427	0.0501	0.04334	0.08707	0.08707	-0.05128	-0.03201
	37	0.06892	-0.18144	-0.19591	0.07225	0.06883	0.07225	0.0187	0.07185
	38	0.05919	0.14251	-0.03182	0.12845	0.05919	0.05919	0.0298	-0.0491
	39	-0.13497	0.03744	0.06904	-0.09719	-0.04034	-0.04034	-0.19008	-0.01784
	40	0.04076	-0.10516	-0.0465	-0.13767	0.00976	0.04076	-0.09173	0.1999
	41	0.16184	-0.00502	-0.01322	0.03553	0.16184	0.16184	0.10549	0.12463
	42	-0.12743	0.12996	-0.14149	-0.14188	-0.12743	-0.12743	0.16545	0.10328
	43	0.0236	-0.01875	0.0236	-0.06129	0.0236	0.0236	0.15727	-0.00124
	44	0.25138	0.07907	-0.03159	-0.01278	0.25138	0.25138	-0.00129	-0.19403
	45	0.18984	0.16799	0.09947	-0.31008	0.18984	0.18984	0.02977	0.14361
	46	0.06642	0.08922	0.01824	0.05009	0.01824	0.01824	-0.10998	-0.09043
	47	-0.02265	0.00645	0.16764	-0.08802	-0.04222	-0.04222	0.04202	-0.14867
	48	-0.09138	-0.06064	0.10907	-0.00585	-0.09138	-0.09138	-0.09335	-0.10917
	49	-0.06844	-0.07225	-0.17002	0.01108	-0.06844	-0.06844	-0.20674	0.06091
	50	0.09199	0.05928	-0.05258	0.10942	0.09199	0.09199	-0.15661	0.01674
	51	0.08105	-0.10744	0.02153	0.01551	0.08105	0.08105	-0.05005	-0.07914
	52	0.11079	-0.17352	-0.0517	-0.07045	0.11079	0.11079	0.0892	-0.03381

53	0.03479	0.02164	-0.12024	-0.03289	0.03479	0.03479	-0.07749	0.00691	
54	-0.05785	-0.04258	-0.0098	0.05977	0.10441	-0.05785	0.0749	-0.01915	
55	0.04843	-0.03469	0.01088	0.07318	0.04843	0.04843	-0.01886	-0.06232	
56	-0.05146	-0.15192	0.15946	0.15774	-0.03662	-0.03662	-0.02922	0.22834	
57	-0.05444	0.04142	-0.09912	0.08603	-0.05444	-0.05444	0.05581	-0.0504	
58	0.01207	0.12493	0.01207	0.30248	0.08589	0.01207	0.01446	0.01207	
59	-0.04051	-0.09816	0.03259	-0.05128	-0.04051	-0.04051	0.00943	0.0681	
60	-0.14506	0.02838	-0.14506	-0.12319	-0.14506	-0.14506	-0.06535	0.02747	
61	-0.22316	-0.22316	0.13319	0.13284	-0.22316	-0.22316	0.00788	0.01989	
62	0.10005	-0.00194	-0.14346	-0.00408	-0.05372	-0.05372	-0.00109	0.04955	
63	0.01328	0.24772	-0.02378	0.06884	0.01328	0.01328	0.1742	0.13378	
64	0.03488	-0.02945	0.06621	-0.12812	0.03488	0.03488	-0.09445	0.11304	
65	-0.16364	-0.07269	-0.01236	-0.16364	-0.16364	-0.16364	-0.19065	-0.09715	
66	0.03403	-0.1214	-0.03737	0.03039	0.03403	0.03403	-0.02884	0.19606	
67	-0.04094	0.01054	0.06997	-0.03664	-0.04094	-0.04094	0.01932	0.01131	
68	0.0565	-0.01875	0.09529	-0.18738	0.0565	0.0565	0.0541	0.09976	
69	0.06388	-0.16208	0.16655	0.06388	0.06388	0.06388	0.04226	-0.11911	
70	-0.0671	-0.01289	0.01797	0.02104	-0.01289	-0.01289	0.03114	-0.0034	
71	-0.07684	0.01997	-0.18997	0.11953	-0.07684	0.15616	-0.06852	0.06619	
72	-0.03224	-0.10083	0.12768	0.00318	-0.03224	-0.03224	0.12615	-0.14557	
73	0.23208	-0.207	0.04451	0.16531	0.23208	0.23208	0.13099	-0.04827	
74	0.1749	0.02639	0.03423	-0.07997	-0.1142	0.1749	-0.14307	-0.07007	
75	0.08891	-0.05002	-0.05532	-0.04489	0.08891	0.10463	0.10046	0.07537	
76	0.12807	0.09828	-0.07466	-0.01266	0.12807	0.12807	-0.12326	-0.22793	
77	0.00679	-0.05677	0.01241	-0.06574	0.00679	0.00679	-0.02282	-0.06043	
78	0.13319	0.04919	-0.12314	0.06421	0.17088	0.13319	-0.05582	0.02819	
79	-0.04728	0.07159	-0.09696	-0.15713	-0.04728	-0.04728	-0.04728	-0.0356	
80	0.08284	0.12248	-0.04598	0.09596	0.11233	0.08284	-0.04952	-0.01799	
81	-0.07435	-0.04613	0.13147	0.13602	-0.07435	-0.07473	-0.10602	-0.02535	
82	0.02089	-0.06196	0.01983	0.11203	0.01786	0.11203	0.07176	0.10893	
83	-0.09047	0.03583	-0.00955	-0.04436	-0.09047	-0.09047	-0.09047	-0.17805	
84	0.10327	0.05733	-0.04269	-0.02498	0.05733	0.05733	0.27129	-0.1624	
85	0.00215	-0.08939	0.18955	-0.11275	0.00215	0.00215	0.13258	-0.11108	
86	-0.13236	-0.10515	-0.06753	-0.08165	-0.13236	-0.13236	-0.06507	0.1618	
87	-0.0892	0.05725	0.0817	0.05066	-0.0892	-0.0892	0.00646	-0.01115	
88	0.12032	0.12902	0.03894	0.05342	-0.01717	-0.01717	-0.1396	-0.01696	
89	-0.20932	0.19604	-0.17054	-0.15789	-0.20932	-0.20932	0.08512	-0.20932	
90	-0.07156	-0.27322	0.12558	0.03009	-0.07156	-0.07156	-0.07156	-0.05019	
91	0.05754	-0.15021	0.10246	-0.17895	0.05754	0.05754	0.06722	-0.08007	
92	0.07625	-0.03207	-0.03397	0.09384	0.07625	0.07625	0.02991	0.00675	
93	-0.00256	0.04937	-0.08531	0.00327	-0.00256	-0.00256	0.01629	-0.09654	
94	0.09485	0.09485	0.00611	0.1266	0.09485	0.09485	0.09485	0.04163	
95	0.12874	-0.025	0.06675	-0.0863	0.12042	0.12874	-0.02357	0.02503	
96	0.11313	-0.00291	-0.13595	0.0759	0.11313	0.11313	0.04553	-0.0535	
97	0.01278	0.10053	-0.05641	-0.06682	0.01278	0.01278	-0.21566	0.09572	
98	0.19223	0.11599	0.03075	-0.00603	0.1952	0.1952	-0.02995	0.2346	
99	0.00264	0.00264	-0.12187	-0.02934	0.00264	0.00264	-0.08855	0.05702	
100	0.0646	0.0646	-0.0249	0.19797	-0.06067	0.0646	-0.07052	0.03852	
2014	1	-0.21435	-0.00398	0.00811	0.01625	-0.21435	-0.21435	-0.03035	0.07755
	2	0.04154	-0.02539	0.04154	0.05166	-0.04086	0.04154	0.04433	0.13048
	3	-0.23668	-0.23668	-0.02172	-0.081	-0.23668	-0.23668	-0.11961	0.00573
	4	-0.03656	-0.07089	0.09944	-0.05375	-0.03656	-0.03656	-0.00987	0.06057
	5	-0.06111	0.04844	-0.12134	0.06903	-0.06111	-0.06111	0.01856	-0.00291
	6	0.20798	0.12308	0.01454	-0.03607	0.20798	0.20798	-0.09081	0.20798
	7	0.26134	-0.03951	-0.16091	0.13381	0.03546	0.03546	0.07332	0.25466

8	0.06283	0.01256	-0.05952	0.01132	0.06283	0.06283	0.06195	0.02507
9	0.00128	0.00128	0.02657	-0.1832	0.00679	0.00128	-0.05385	-0.05031
10	-0.11721	0.13751	-0.00956	-0.12368	0.05182	-0.11721	-0.11721	-0.03795
11	-0.07522	0.06879	0.05119	0.06657	-0.00797	-0.00797	0.03785	-0.09332
12	-0.14289	0.05379	-0.04804	-0.02102	-0.14289	0.18655	-0.08376	-0.20198
13	-0.07397	-0.08653	-0.07457	-0.14355	-0.07397	-0.07397	-0.04778	0.10058
14	0.34713	0.02149	-0.08576	0.02585	0.00374	0.00374	0.00964	-0.15375
15	0.05105	0.05105	-0.16704	-0.08421	0.05105	0.05105	0.24687	-0.06247
16	-0.04233	-0.16087	-0.033	-0.05149	-0.04233	-0.04233	0.13984	-0.02529
17	0.08922	0.23074	0.07619	0.21014	0.09021	0.09021	0.10991	0.09021
18	0.10589	-0.11571	0.06134	-0.00999	0.11976	0.11976	-0.02087	-0.07695
19	0.1392	-0.19787	0.12167	0.12401	0.1392	-0.06232	-0.19558	-0.10601
20	-0.00928	0.10204	0.23676	0.09004	-0.00928	-0.00928	-0.15331	0.03916
21	0.01641	0.08094	0.18394	0.06046	0.01641	0.01641	0.11336	-0.08426
22	-0.09955	-0.09955	0.01201	-0.07191	-0.09955	-0.09955	-0.11515	0.09244
23	0.14739	-0.1014	0.05375	0.11297	0.09126	0.09126	0.0623	-0.04189
24	-0.0338	-0.04108	0.09834	-0.12329	-0.04006	-0.0338	-0.05451	-0.024
25	-0.00891	0.1686	-0.00891	0.16449	-0.00891	-0.00891	0.03121	0.01494
26	-0.07241	-0.07241	-0.14325	0.03414	-0.07241	-0.07241	-0.02881	-0.03088
27	-0.10539	-0.10539	-0.09054	0.08043	-0.10539	-0.10539	-0.02195	-0.06771
28	0.01077	-0.06594	0.16432	-0.02336	0.01077	0.01077	0.07652	-0.00157
29	0.1832	0.1832	-0.04316	0.1832	0.1832	0.1832	-0.0503	0.19009
30	0.06005	-0.02374	-0.1201	-0.00611	0.06005	0.06005	-0.17517	0.06005
31	-0.13052	0.128	0.04273	-0.04244	-0.10411	0.16309	0.08747	0.13305
32	-0.00856	0.00814	-0.02083	-0.00856	-0.00856	-0.00856	-0.10062	0.12161
33	-0.05064	-0.03069	-0.00624	0.14255	0.01203	-0.05622	0.04868	-0.12074
34	0.05154	-0.07756	-0.17246	-0.16929	-0.03495	-0.03495	-0.0015	-0.06414
35	-0.05302	0.13117	-0.06262	0.0398	-0.05302	-0.05302	0.17275	-0.05302
36	0.08707	-0.13976	0.03436	0.08677	-0.01554	-0.1621	0.00367	0.03617
37	0.06892	0.01561	-0.07998	-0.07436	-0.07436	-0.07436	-0.07436	-0.24916
38	0.05919	0.06063	-0.00257	0.02277	-0.00257	-0.00257	0.01632	0.05233
39	0.05317	-0.00117	0.1136	0.01011	0.05317	0.05317	-0.16234	0.077
40	0.04076	-0.11463	0.04076	0.04076	0.04076	0.04076	0.14199	0.00671
41	0.16184	-0.14496	0.16184	-0.06249	0.16184	0.16184	0.15402	-0.02677
42	0.0152	0.05311	0.06266	0.01276	0.02258	0.02258	0.02258	0.01426
43	0.0236	0.04476	0.11137	-0.04486	0.0236	0.0236	0.06437	-0.14665
44	0.25138	-0.05687	-0.05013	0.25138	0.25138	0.25138	0.25138	-0.00731
45	-0.00601	0.20527	-0.03041	-0.00751	-0.00601	-0.03553	-0.11342	-0.04154
46	0.06642	-0.18836	0.05235	-0.18985	0.003	0.003	0.06879	0.003
47	-0.02265	0.15268	-0.05246	-0.13887	0.01315	-0.02265	-0.04722	-0.06552
48	-0.09138	-0.08849	-0.08789	0.07623	0.0871	0.0871	0.01625	-0.07624
49	-0.06844	-0.06844	-0.06844	-0.1236	-0.06844	-0.06844	-0.08592	0.04727
50	0.09199	0.02754	-0.10875	0.09199	0.09199	0.09199	0.00675	0.06597
51	0.08105	0.00442	0.08105	0.126	-0.18811	0.08105	0.11353	0.29231
52	0.11079	-0.06987	0.03707	-0.07939	0.11079	0.11079	-0.01131	0.07725
53	0.03479	0.08785	0.18615	0.04061	-0.05765	-0.05765	-0.01714	0.03572
54	-0.05785	-0.01041	-0.01709	0.03592	-0.05785	-0.13393	0.09471	-0.29125
55	0.04843	-0.01949	0.15256	0.0618	0.04843	0.04843	-0.03059	0.16228
56	-0.05146	-0.11914	-0.18193	0.01055	-0.05146	-0.05146	0.18253	0.00503
57	-0.05444	0.01679	0.07458	-0.09235	-0.05444	-0.05444	-0.33662	0.12709
58	0.01207	0.07787	-0.01226	0.14511	0.01207	0.01207	0.01207	-0.09474
59	-0.04051	0.11023	-0.15994	-0.02593	-0.04051	-0.04051	-0.156	-0.04051
60	-0.14506	-0.0463	0.08885	-0.01665	0.04581	-0.13053	-0.08136	-0.11679
61	-0.22316	0.06199	0.0721	0.02039	-0.04134	-0.04134	0.20746	0.07232
62	0.10005	-0.10936	0.12663	0.11322	0.10005	0.10005	-0.1259	0.00176

63	0.01328	-0.00844	-0.02302	-0.04794	0.01328	0.01328	0.05913	-0.10433	
64	0.03488	-0.0487	0.1816	0.078	0.03488	0.03488	0.03488	-0.04973	
65	-0.16364	0.02766	-0.02696	-0.06023	-0.06116	-0.06116	0.08337	-0.07648	
66	0.03403	-0.08412	0.009	0.05606	0.03403	0.03403	0.12291	-0.02959	
67	-0.04094	0.01927	-0.19019	0.17533	-0.04094	-0.04094	0.01748	-0.04094	
68	0.0565	0.13132	0.04525	-0.02807	0.0565	0.0565	-0.08208	-0.01877	
69	0.06388	0.04842	0.09212	-0.0128	0.06388	0.06388	-0.19356	-0.22909	
70	-0.04825	0.20438	0.03107	-0.09064	-0.04825	-0.04825	-0.14604	-0.00556	
71	-0.07684	-0.14583	-0.00369	0.14588	-0.07684	0.04929	-0.086	0.11903	
72	-0.03224	-0.25125	-0.09044	0.08778	-0.03224	-0.03224	-0.04482	-0.03224	
73	0.23208	0.23208	-0.12952	0.23208	0.23208	0.23208	0.1458	0.23208	
74	0.1749	0.1749	0.01372	0.1749	-0.00266	0.1749	0.1749	-0.08573	
75	0.08891	0.1238	-0.06587	-0.07601	-0.01695	-0.01695	-0.00232	0.0663	
76	-0.00727	0.09004	-0.07579	-0.14909	-0.00727	-0.00727	-0.05961	0.02201	
77	0.00679	-0.01353	-0.04435	0.05235	-0.06778	-0.06778	-0.02961	0.16452	
78	0.13319	-0.03065	0.06695	0.13319	0.13319	0.13319	0.00205	0.03462	
79	-0.04728	0.0037	0.15645	-0.16753	-0.04728	-0.04728	0.03306	-0.06237	
80	0.08284	0.07337	-0.11114	0.02818	-0.02702	0.1198	0.1198	0.13365	
81	-0.07435	-0.07435	0.14559	-0.14646	-0.07435	-0.07435	-0.0254	0.05591	
82	0.02089	0.02089	0.02089	0.12998	0.02089	0.02089	0.10865	-0.08867	
83	-0.09047	-0.05483	-0.04612	-0.01278	-0.09047	-0.09047	-0.13199	0.09748	
84	0.10327	0.13176	-0.08381	-0.09317	0.10327	0.10327	-0.01821	0.04498	
85	0.00215	-0.02345	0.00215	0.0925	0.00215	0.00215	0.09133	0.07323	
86	-0.13236	-0.04028	-0.02516	0.01359	-0.13236	0.04132	0.15471	-0.10988	
87	-0.0892	0.04546	0.02885	-0.06822	-0.0892	-0.0892	-0.16927	-0.05638	
88	0.12032	0.18955	0.04298	0.03835	0.08654	0.08654	-0.06193	-0.05197	
89	-0.20932	-0.07983	-0.17519	-0.20932	-0.20932	-0.20932	-0.00712	-0.14456	
90	-0.03892	0.07547	-0.03892	-0.10858	0.01488	-0.03892	0.07755	0.26567	
91	0.05754	-0.00379	-0.05595	-0.00273	0.05754	0.05754	0.05754	-0.00796	
92	-0.17419	-0.17419	0.17309	0.00208	-0.17419	-0.17419	0.02902	0.00876	
93	-0.00256	0.05256	-0.10001	-0.04226	-0.00256	-0.00256	-0.07652	0.02214	
94	0.07597	0.02236	0.05483	0.05867	0.07597	-0.16293	-0.0392	0.12068	
95	0.12874	0.00667	0.09187	0.19078	0.04279	0.04279	0.06516	0.02865	
96	0.03997	-0.02654	-0.02622	0.0779	0.03997	0.03997	0.04794	-0.0199	
97	0.01278	-0.11073	0.00344	-0.05375	0.01278	0.01278	0.02287	-0.07463	
98	0.19223	0.00126	0.07087	-0.03393	-0.13052	0.00126	-0.1075	-0.25405	
99	0.00264	-0.12954	-0.00081	0.04634	0.02041	0.02041	0.21222	0.14358	
100	0.0646	0.03222	-0.14264	-0.32133	0.0646	0.0646	-0.08568	0.0646	
2015	1	-0.21435	0.07397	-0.0888	0.16286	0.1266	0.02101	0.10508	0.05312
	2	0.01524	-0.09143	-0.06383	0.11294	0.01524	0.01524	0.0862	0.10561
	3	-0.23668	-0.02843	0.02885	-0.23668	-0.23668	-0.23668	-0.07306	-0.04728
	4	-0.03656	-0.14317	0.17175	-0.03609	-0.03656	-0.03656	-0.03656	-0.06852
	5	-0.06111	-0.06868	-0.18298	0.0538	-0.06111	-0.06111	-0.0118	0.14775
	6	0.20798	-0.0533	-0.0104	0.28141	-0.03368	-0.03368	0.16697	-0.17153
	7	0.18133	0.28493	-0.03487	-0.05561	0.18133	0.18133	-0.10904	0.05235
	8	0.06283	-0.01197	-0.04456	-0.11687	0.06283	0.06283	0.01347	-0.06228
	9	0.00128	0.10114	-0.08353	-0.20768	0.00128	-0.03986	-0.16857	-0.00094
	10	-0.11721	0.01409	-0.017	0.00132	-0.08508	-0.08865	-0.13539	0.01721
	11	-0.07522	0.03982	-0.13591	-0.04195	0.03201	0.03201	-0.04017	-0.01937
	12	-0.14289	-0.14289	0.02514	0.02792	-0.14289	-0.14289	0.04893	0.06948
	13	-0.07397	-0.04252	0.06902	-0.09973	-0.07397	-0.07397	0.15011	0.09457
	14	0.34713	0.12702	0.04152	-0.07067	0.34713	0.34713	-0.01669	0.03152
	15	0.05105	0.03339	-0.05337	0.10003	-0.04656	-0.05337	0.03794	-0.11417
	16	-0.04233	-0.11366	0.13317	-0.01992	0.07235	0.07235	0.00618	-0.13249
	17	0.08922	-0.01463	0.08922	0.05112	0.08922	0.08922	-0.03199	-0.03023



18	-0.11132	0.00135	0.12322	-0.00686	-0.11132	-0.11132	-0.08556	0.21288
19	0.1392	0.15289	0.06469	0.07998	0.1392	0.1392	0.06641	-0.09029
20	-0.00928	0.06218	0.10144	-0.16178	-0.00928	-0.00928	0.08409	0.00549
21	0.01641	0.09408	-0.0021	0.01641	0.01641	0.01641	0.01641	-0.03835
22	-0.09955	0.0437	-0.09955	-0.01535	-0.09955	-0.09955	-0.16457	-0.0891
23	0.14739	-0.14528	0.0491	0.01526	0.14739	0.14739	0.23085	0.1566
24	0.05087	0.01578	-0.04228	-0.17151	0.05087	0.05087	0.1217	0.01454
25	0.02481	-0.09478	-0.01761	0.17497	0.02481	0.02481	0.09679	0.02481
26	-0.07241	0.06592	0.15069	-0.05251	-0.07241	-0.07241	0.01342	0.07001
27	-0.10539	-0.11368	0.03038	0.04746	0.10391	-0.10539	0.07608	-0.04689
28	-0.04201	0.18513	-0.05841	0.07914	-0.24242	-0.24242	-0.05102	0.11966
29	0.1832	0.08275	-0.16102	-0.00584	0.08331	0.1832	-0.0881	0.03388
30	0.06005	0.0839	0.24303	-0.0787	0.1957	0.0839	0.15446	-0.07949
31	-0.13052	-0.01312	0.12786	0.08655	-0.13052	-0.13052	0.02734	0.05221
32	-0.00856	-0.04135	-0.11243	-0.07889	0.0136	-0.07889	-0.13552	-0.07889
33	-0.05064	-0.16629	0.02211	-0.09009	-0.0154	0.01419	0.00821	0.01419
34	0.16838	-0.0563	0.16838	0.10475	0.16838	0.16838	-0.02009	0.08434
35	0.06102	0.02589	0.012	0.06056	0.06102	0.06102	-0.12246	0.06125
36	0.08707	0.00699	0.0661	0.08707	0.08707	0.08707	-0.03782	-0.22683
37	0.06892	-0.02807	-0.17197	-0.02555	0.06892	0.06892	-0.0558	-0.00532
38	0.05919	0.12132	-0.07262	0.16001	0.05919	0.09328	-0.06911	0.01158
39	0.05317	-0.08228	0.08903	0.00993	0.04238	0.04238	0.05145	-0.02101
40	0.04076	0.13677	-0.0848	-0.04294	0.05839	0.05839	0.0609	0.05839
41	0.121	0.12756	-0.22583	0.04371	0.121	0.121	0.04399	0.08966
42	0.0152	-0.10057	0.13937	0.09281	0.04546	0.04546	0.04546	0.195
43	0.0236	-0.0217	0.0236	0.05437	0.0236	0.0236	0.06615	-0.02971
44	0.25138	0.07267	0.25138	0.25138	0.25138	0.25138	0.25138	-0.05965
45	-0.00601	-0.07331	0.07994	0.07015	-0.00601	-0.00601	0.03453	-0.02094
46	0.06642	0.05409	0.02657	0.16015	0.05409	0.05409	-0.01477	-0.04757
47	-0.02265	-0.02265	-0.01652	-0.10516	-0.02265	-0.02265	-0.08586	-0.02265
48	-0.27679	-0.03257	0.04099	-0.27679	-0.27679	-0.27679	0.12577	0.12466
49	-0.06844	-0.06714	0.10917	-0.08451	-0.06844	-0.06844	-0.08098	-0.27847
50	0.09199	-0.04106	0.02025	0.09199	0.09199	0.09199	0.01287	0.04526
51	0.08105	-0.0011	-0.0759	-0.07168	-0.06229	0.14804	0.13684	-0.002
52	0.11079	0.0072	-0.03861	0.01028	0.11079	0.11079	-0.10603	0.07736
53	0.02272	0.02272	0.10224	-0.05071	0.02272	0.02272	0.08891	-0.07313
54	-0.05785	0.15992	-0.06277	-0.05785	-0.05785	-0.05785	-0.02956	-0.09923
55	0.04843	0.22128	-0.03117	0.01642	0.04843	0.01004	-0.1376	0.15775
56	-0.00709	-0.22271	-0.00709	0.21921	-0.00709	-0.00709	-0.00491	0.03531
57	-0.05444	0.05407	0.06188	-0.00492	-0.05444	-0.05444	-0.21829	0.01448
58	0.01207	0.10224	0.19594	-0.18241	0.01207	0.01207	0.26624	-0.14903
59	-0.12673	-0.12673	-0.001	0.112	-0.12673	-0.12673	0.01246	0.05949
60	0.03504	-0.12513	0.0109	-0.06615	0.03504	0.03504	-0.05094	-0.1144
61	-0.22316	-0.02864	-0.10437	-0.16135	0.18553	0.18553	0.18553	-0.00116
62	0.10005	-0.00963	-0.1471	-0.25333	-0.03047	0.02214	-0.16024	0.03012
63	0.01328	0.22388	0.07056	-0.01699	0.01328	0.01328	0.00456	0.23353
64	0.03488	0.02748	0.08544	0.02946	0.03488	0.03488	-0.01767	0.06888
65	-0.12106	0.14383	-0.13992	0.07434	-0.13992	-0.13992	0.02384	-0.19232
66	0.03403	-0.06341	0.22549	0.19861	-0.06214	-0.06214	-0.11578	-0.12
67	-0.04094	-0.03951	-0.02274	-0.04094	-0.14304	-0.04094	0.05781	0.04819
68	0.0565	0.08954	-0.03521	0.10318	0.05653	0.04104	-0.07515	-0.0553
69	0.00918	0.0522	0.03486	-0.11257	0.12635	0.12635	0.10462	0.11366
70	-0.04825	-0.28346	-0.05664	-0.06344	-0.04825	-0.04825	0.0984	-0.02746
71	-0.07684	-0.09999	0.04535	-0.00673	-0.07684	0.13856	0.13856	0.13856
72	-0.03224	-0.11738	-0.03224	0.05332	-0.03224	-0.03224	-0.18204	-0.03224

73	-0.1342	0.12118	-0.23749	0.12646	-0.1342	-0.07582	0.07124	-0.0774	
74	0.1749	-0.13612	-0.04614	0.0237	0.1749	0.1749	-0.05512	0.00908	
75	0.08891	-0.02478	0.0578	-0.07555	0.08891	0.08891	-0.03007	0.15974	
76	0.18707	0.02279	-0.00108	0.14974	0.18707	0.18707	-0.1024	-0.02059	
77	0.00679	0.06179	0.13278	0.05067	0.00679	0.00679	0.04176	0.09274	
78	0.13319	0.11031	0.10875	-0.0307	0.04961	0.11031	0.02963	-0.09938	
79	-0.04728	0.08396	-0.06939	-0.04778	-0.0366	-0.0366	-0.00238	0.01525	
80	0.08284	-0.06949	0.01495	0.0046	0.03058	0.03058	-0.05051	-0.14023	
81	-0.07435	0.05005	-0.05226	0.03952	-0.07435	-0.07435	0.01274	0.08123	
82	0.01944	0.01944	0.20509	0.03046	0.01944	0.01944	0.14201	-0.12447	
83	-0.09047	0.13006	0.02659	-0.00312	-0.09047	-0.09047	-0.09047	-0.0886	
84	0.10327	-0.04359	-0.05632	0.21203	0.10327	-0.05632	-0.01912	-0.07104	
85	-0.02868	0.20672	-0.02194	0.08739	-0.02868	-0.02868	-0.04236	-0.02868	
86	-0.13236	-0.01625	0.08338	0.02189	-0.13236	-0.13236	-0.03494	0.04757	
87	-0.0892	-0.10949	0.05574	0.07046	-0.0892	-0.0892	0.04491	-0.04715	
88	0.12032	-0.00192	0.12032	0.13966	0.12032	0.12032	0.01203	0.13072	
89	-0.20932	-0.07285	0.11466	0.00316	-0.20932	-0.20932	-0.1244	0.02366	
90	0.16439	0.01809	-0.05633	-0.09737	0.16439	0.16439	-0.1005	0.16439	
91	-0.09744	0.12377	0.04525	-0.12442	-0.09744	-0.09744	-0.13722	-0.24414	
92	-0.20749	0.06725	-0.14133	-0.20749	-0.20749	-0.20749	-0.0665	-0.15882	
93	-0.00256	0.00127	0.10363	-0.0762	-0.00256	-0.00167	-0.00658	0.0304	
94	0.07597	-0.01467	-0.17425	-0.29061	0.07597	-0.01467	0.06183	0.06123	
95	0.12874	0.07222	0.0718	0.11974	0.12874	0.0718	0.08897	-0.02221	
96	0.03997	-0.16147	-0.0354	-0.02288	0.04169	0.03997	0.08214	-0.03494	
97	0.01278	-0.17975	0.00312	-0.03256	-0.03222	-0.03222	0.17117	0.10842	
98	0.19223	0.03444	-0.13677	-0.1622	-0.13677	-0.13677	-0.18684	0.20231	
99	0.00264	-0.05426	-0.00574	-0.06453	0.00264	0.00264	0.00264	-0.06333	
100	0.0646	0.09984	-0.09968	0.0646	0.0646	0.0646	0.11382	-0.00599	
2016	1	-0.21435	-0.12235	-0.06795	-0.00245	-0.04646	-0.04646	0.03479	-0.00355
	2	0.01524	0.00235	0.19834	0.22017	0.01524	0.01524	-0.00365	-0.10211
	3	-0.23668	-0.02997	-0.17513	-0.13023	-0.01623	-0.01623	0.15494	0.15197
	4	-0.03656	0.10383	-0.02528	-0.19933	-0.07066	0.26207	-0.06934	0.08904
	5	-0.06111	0.0917	0.00726	-0.03292	-0.06111	-0.06111	-0.03221	-0.22136
	6	0.20798	0.20798	0.20798	-0.09101	0.20798	0.20798	-0.18136	0.07963
	7	-0.11024	-0.07324	-0.11926	0.07637	-0.11024	-0.11024	0.00858	-0.14029
	8	0.06283	0.15558	0.08366	-0.01682	0.06283	0.06283	-0.04712	0.02502
	9	0.00128	-0.14485	-0.04861	-0.05329	0.00128	0.00128	0.24492	0.04256
	10	-0.11721	-0.01431	-0.05262	0.15351	-0.11721	-0.11721	0.11625	-0.07091
	11	-0.07522	0.05663	0.1233	0.03786	0.03807	-0.0657	0.0145	-0.03902
	12	-0.14289	-0.00863	0.06345	0.10093	-0.14289	-0.14289	0.06125	0.03832
	13	-0.07397	-0.0455	0.05053	0.01665	-0.07397	-0.07478	-0.07478	-0.05697
	14	0.34713	0.08037	0.01661	0.04063	0.34713	0.34713	-0.1232	0.26453
	15	0.05105	-0.09294	-0.13403	-0.0403	-0.11654	-0.11654	-0.09759	-0.0207
	16	-0.04233	-0.23303	-0.00224	-0.1086	0.20667	0.20667	0.07876	0.05335
	17	-0.02836	0.04752	-0.1005	-0.08177	-0.02836	-0.02836	-0.15594	-0.11316
	18	-0.11132	0.02255	0.09499	0.11626	0.10911	0.10911	0.08506	0.00576
	19	0.1392	0.16903	0.03653	0.00191	0.1392	0.1392	-0.06498	-0.03277
	20	-0.00928	-0.06468	-0.02609	0.06224	-0.00928	-0.00928	0.04194	0.12194
	21	0.01641	-0.12786	-0.0237	-0.02117	0.05207	0.01641	0.14756	0.06676
	22	-0.09955	-0.04776	0.23369	0.18535	-0.09955	-0.09955	-0.08988	0.03669
	23	0.14739	0.04464	0.0955	-0.15825	-0.03587	-0.03587	-0.03587	-0.04126
	24	0.05087	-0.03259	-0.02554	-0.03593	0.05087	0.05087	-0.05081	-0.02955
	25	0.02481	-0.05641	0.08677	-0.00141	0.08677	0.08677	0.0389	0.08677
	26	-0.07241	0.06173	0.01589	0.03272	-0.0077	-0.0077	0.03506	-0.0713
	27	-0.10539	-0.07435	0.07308	0.0643	-0.10539	-0.10539	-0.06346	0.00826

28	-0.13613	0.0291	-0.10811	-0.1088	-0.09887	-0.09887	-0.1866	-0.00284
29	0.1832	-0.2162	-0.16317	0.09919	-0.07211	0.1832	0.12461	-0.05849
30	0.06005	0.13961	-0.01093	-0.06062	-0.20419	-0.20419	0.07689	-0.09358
31	-0.13052	0.09702	-0.0999	0.01023	-0.12438	-0.12438	0.09096	0.02226
32	-0.00856	-0.00952	0.06282	0.07777	0.07429	-0.00856	-0.11269	-0.12218
33	-0.05064	0.00603	-0.24204	-0.07139	-0.05064	-0.05064	-0.02051	-0.01927
34	0.16838	0.07319	-0.04343	-0.04816	0.16838	0.16838	-0.07096	0.19226
35	-0.05131	-0.02008	0.03078	-0.19565	-0.05131	-0.05131	0.20865	0.07163
36	0.08707	0.00365	-0.06087	0.16429	0.00365	0.00365	-0.03837	-0.15968
37	0.06892	-0.13872	0.15267	0.01523	0.06892	0.06892	0.02137	0.10101
38	0.05919	0.01359	0.1098	0.10813	0.05919	0.05919	-0.01136	0.11749
39	0.05317	-0.08691	-0.06803	0.05317	0.05317	0.05317	0.01085	-0.22366
40	0.04076	0.1276	0.01189	-0.08601	0.09855	0.04076	0.05272	0.1485
41	0.121	0.06634	-0.02012	0.121	0.121	0.121	-0.00504	-0.0086
42	0.0152	-0.2088	0.0152	-0.02378	0.0152	0.0152	0.00199	0.0152
43	0.0236	-0.07335	0.03061	-0.06812	0.12312	0.12312	0.12312	-0.0302
44	0.25138	-0.04983	0.07549	-0.08565	0.23117	0.23117	-0.01599	0.13376
45	-0.00601	-0.01426	0.04146	0.06817	-0.00601	-0.00601	0.08825	-0.07409
46	0.06642	-0.09677	-0.09912	-0.00259	0.17589	0.06642	-0.15603	0.06642
47	-0.02265	0.07563	0.02086	-0.10808	0.06311	-0.25683	-0.25683	0.00149
48	0.01532	0.0166	-0.03922	0.02492	-0.16235	-0.0593	-0.03449	-0.0593
49	-0.06844	-0.12375	-0.11293	-0.02313	-0.00251	-0.02313	0.04689	0.04444
50	0.04673	-0.00639	-0.19189	0.10583	0.04673	0.04673	0.03823	0.07041
51	-0.03908	0.1211	-0.12872	0.04934	-0.04554	-0.04554	-0.12342	-0.04839
52	0.11079	0.19191	0.06138	0.05851	0.03798	0.11079	0.06513	-0.12088
53	-0.02107	-0.03833	-0.02107	0.02793	-0.02107	-0.02107	0.1515	-0.0895
54	-0.05785	-0.05785	-0.03088	0.00324	-0.05785	-0.05785	0.01303	-0.05785
55	0.04843	0.011	0.18118	-0.1372	0.04843	0.04843	-0.06424	-0.27642
56	-0.00709	0.12892	0.00194	-0.21017	-0.00709	-0.00709	-0.07313	0.01997
57	-0.05444	0.0375	0.15634	-0.06218	-0.05444	0.02532	-0.04953	0.06581
58	0.01207	-0.13158	-0.07105	0.09536	0.01207	0.01207	0.10744	-0.02051
59	-0.12673	-0.05389	0.11628	0.21982	-0.12673	-0.12673	-0.09569	0.03477
60	0.03504	0.10115	0.09581	0.13202	-0.14861	-0.14861	0.17246	0.12802
61	-0.22316	-0.01297	0.04965	0.09783	-0.22316	-0.22316	0.04841	-0.17544
62	0.10005	-0.09294	-0.08921	0.0483	0.10005	0.10005	-0.03756	-0.12253
63	0.01328	0.05763	-0.05348	-0.10832	0.01328	0.01328	-0.10998	0.01328
64	0.03488	0.03017	0.15476	-0.08432	0.03488	0.03488	0.03488	-0.06231
65	-0.12106	0.14301	0.02793	0.06611	-0.03219	-0.03219	-0.06768	0.00315
66	0.03403	0.12204	0.06083	0.03641	-0.10731	0.05642	0.12509	-0.07167
67	-0.04094	-0.08269	0.07716	-0.0058	-0.07751	-0.04094	-0.26427	-0.04094
68	0.0565	-0.03191	0.00792	0.0565	0.0565	0.0565	-0.05617	0.04002
69	0.00918	-0.13322	-0.04816	0.04577	0.04577	0.04577	0.01725	0.13785
70	-0.04825	-0.20629	-0.18333	0.14735	-0.04825	-0.04825	0.00352	0.05509
71	0.02718	0.05243	0.20475	-0.13684	0.02718	0.11493	0.10272	-0.02578
72	-0.03224	-0.12015	-0.03224	-0.17105	-0.03224	-0.03224	0.05261	-0.03224
73	-0.1342	-0.1342	-0.07802	-0.04453	-0.1342	-0.1342	-0.04476	0.03036
74	0.1749	-0.00304	0.12185	0.02481	0.15561	0.15561	-0.01169	0.09656
75	0.08891	0.19736	0.09532	0.21944	0.08891	0.0077	0.0077	-0.01856
76	0.0204	0.02131	-0.1182	-0.05818	0.06952	0.0204	-0.13048	-0.09238
77	0.00679	-0.05611	-0.0016	0.00679	0.00679	0.00679	0.13145	-0.13394
78	0.13319	0.09877	0.0127	-0.02408	0.03598	0.13319	0.02813	0.11391
79	-0.04728	0.07065	-0.13104	0.07411	-0.04728	-0.04728	-0.09202	-0.04651
80	-0.07522	0.00684	0.01323	-0.03105	0.01323	0.01323	-0.02451	0.0232
81	-0.07435	0.02698	0.02954	-0.11265	-0.07435	0.12742	0.16239	0.11246
82	0.01944	0.0736	-0.01203	0.01944	0.01944	0.01944	-0.02939	-0.14511

83	-0.09047	-0.02923	0.00399	0.14602	0.14602	0.14602	-0.20718	-0.07933
84	0.10327	0.16638	-0.04992	0.14702	0.10327	0.10327	-0.01358	-0.20958
85	-0.02868	-0.00096	-0.02868	0.10422	-0.02868	-0.02868	-0.05587	0.09538
86	-0.13236	-0.12868	-0.09002	0.06852	-0.13236	-0.13236	0.05514	-0.01795
87	-0.12662	-0.12662	0.07461	0.09459	-0.12662	-0.12662	0.11376	-0.04493
88	0.12032	-0.27562	-0.18356	0.20541	0.12032	0.12032	-0.04946	0.13949
89	-0.05777	0.0848	-0.05777	-0.20732	-0.05777	-0.05777	0.04522	0.08229
90	0.16439	-0.12329	0.08443	0.08443	-0.17156	0.08443	-0.00352	-0.09767
91	-0.09744	0.06693	-0.03063	-0.02048	-0.21113	-0.21113	0.19516	0.01698
92	-0.20749	0.11659	0.09459	-0.20749	-0.01166	-0.20749	0.09812	-0.00062
93	-0.00256	-0.06376	0.11464	-0.06369	0.258	0.07412	-0.14509	0.01088
94	0.07597	0.03926	-0.06503	-0.08253	-0.06061	-0.27105	-0.08118	0.05151
95	0.12874	0.01383	0.18517	0.06144	-0.10457	-0.10457	0.02846	-0.03166
96	0.13932	0.13113	0.149	0.13932	-0.15187	0.13932	0.0221	0.13932
97	0.01278	-0.08922	0.0586	0.04519	-0.05106	-0.03716	0.08091	-0.11158
98	0.19223	-0.04585	-0.02154	0.19223	0.19223	0.19223	0.19223	0.06646
99	0.00264	-0.01702	-0.13453	-0.09431	-0.12602	0.00264	-0.11907	0.17205
100	0.0646	0.00419	0.04058	0.02626	0.0646	0.03996	0.00489	0.03574

2017

1	-0.21435	0.23846	-0.05767	-0.21435	-0.21435	-0.21435	-0.01123	0.15376
2	0.01524	-0.01272	-0.24271	-0.16426	0.01524	0.01524	-0.06903	0.10968
3	-0.23668	0.04369	0.05008	0.043	-0.23668	-0.05831	0.12136	0.00472
4	-0.03656	0.00635	0.10968	0.02058	-0.03656	-0.12937	0.05061	-0.00074
5	-0.06111	-0.0538	0.03688	0.00909	0.1211	0.0582	-0.14433	-0.1214
6	0.20798	0.11127	-0.04788	0.07452	0.20798	0.20798	-0.02035	-0.0255
7	-0.11024	-0.09473	0.16517	-0.01965	-0.11024	-0.11024	0.1706	0.08443
8	0.06283	-0.1589	-0.01522	-0.07565	0.06283	0.06283	-0.053	-0.07551
9	0.00128	0.08262	0.00787	0.02607	0.09759	0.00128	0.15921	-0.01699
10	-0.11721	0.13842	0.02339	-0.04228	-0.11721	-0.11721	-0.09716	0.03341
11	-0.07522	-0.00284	-0.07276	-0.18298	-0.07522	0.0122	-0.11727	-0.0866
12	-0.14289	0.0301	0.05745	0.14117	-0.14289	-0.14289	-0.14289	-0.06148
13	-0.07397	0.08652	-0.13692	-0.07397	-0.07397	-0.07397	0.00464	0.23955
14	0.34713	0.0166	0.10119	-0.03549	0.34713	-0.01727	0.01549	-0.05153
15	0.05105	-0.0714	-0.09926	0.06592	0.05105	0.05105	0.07155	0.05105
16	-0.04233	-0.02941	0.0785	0.17645	-0.04233	0.14628	0.03112	0.05481
17	-0.02836	-0.05151	-0.0035	-0.05471	-0.02836	-0.02836	0.09156	-0.02836
18	-0.11132	-0.10822	0.13497	-0.10847	-0.11132	-0.11132	-0.03006	0.02387
19	0.1392	0.1392	-0.11875	0.1392	0.1392	0.1392	-0.04406	0.06933
20	-0.00928	-0.17108	-0.02724	-0.01109	-0.18545	-0.18545	-0.19071	-0.19895
21	0.01641	0.01641	0.03521	0.04683	0.01641	0.01641	-0.02875	0.01446
22	0.17594	-0.08686	-0.01026	-0.08787	0.17594	0.17594	0.16057	-0.21759
23	0.14739	0.14559	0.07611	0.14427	0.04172	0.04172	0.01274	-0.06684
24	0.05087	-0.02647	-0.06129	0.07722	0.05286	-0.15632	0.06801	0.03232
25	0.02481	0.05758	0.00472	0.02481	0.02481	0.02481	0.10467	-0.03175
26	-0.07241	0.1265	0.05873	-0.04025	0.07357	0.07357	-0.01479	0.09753
27	-0.10539	0.00355	-0.10305	0.11826	-0.10539	-0.10539	-0.0827	-0.08177
28	-0.13613	-0.01922	0.13765	0.00105	0.03738	0.03738	0.03738	-0.0847
29	0.1832	0.22952	-0.22458	0.1832	0.1832	0.1832	0.06644	0.1832
30	0.06005	-0.20042	-0.14982	0.03533	0.01552	0.01552	0.17857	-0.04516
31	-0.13052	-0.13052	-0.08167	-0.02664	-0.13052	-0.13052	-0.06207	-0.01025
32	-0.00856	0.03608	0.05262	-0.00411	-0.00856	0.05262	-0.14726	0.00356
33	0.08035	-0.14019	0.11534	0.05306	0.08035	0.08035	-0.09305	0.21552
34	0.16838	-0.06969	-0.02663	-0.02482	0.14594	-0.08716	0.0457	0.04852
35	-0.05131	-0.03998	-0.02141	0.20505	-0.05131	-0.05131	0.01198	0.15738
36	0.05851	0.05229	0.02211	-0.12321	-0.00838	-0.00838	0.09632	-0.11335
37	0.06892	-0.07441	0.04645	0.10273	0.06892	-0.07441	0.03644	0.07038

38	0.05919	0.08182	0.17772	-0.07057	0.05919	-0.02985	-0.1687	-0.02985
39	0.05317	-0.0665	-0.03861	-0.05732	0.05317	0.05317	-0.05167	-0.14843
40	-0.07062	-0.07062	-0.12624	-0.1803	-0.07062	-0.07062	-0.12789	0.06167
41	-0.02636	0.09251	-0.1346	0.09145	-0.02636	-0.02636	0.08942	0.11407
42	0.0152	0.10454	-0.02361	0.08087	0.06442	0.0152	-0.05506	0.05299
43	0.0236	0.0663	-0.00119	-0.11512	0.0236	0.0236	0.05776	0.09621
44	0.25138	-0.0902	0.11267	-0.16653	0.03225	0.03225	-0.18825	0.12997
45	-0.00601	0.00627	-0.04308	-0.02902	-0.00601	-0.00601	-0.0464	-0.00948
46	0.06642	0.04293	0.04245	0.06266	0.06642	0.06642	0.06642	0.05164
47	-0.02265	-0.07733	-0.20672	-0.05783	-0.02265	-0.02265	0.04098	0.19206
48	0.01532	0.03037	0.08137	-0.01504	0.20119	0.20119	0.18921	0.02495
49	-0.06844	-0.05442	0.03119	-0.14509	0.11303	0.11303	-0.08573	-0.05051
50	0.04673	0.14738	0.08992	-0.07402	0.04673	0.04673	0.02039	-0.17252
51	-0.03908	-0.07645	0.00732	-0.04104	-0.03908	-0.07645	-0.02818	-0.1632
52	0.19364	0.20958	0.14212	0.01767	0.19364	0.19364	0.14921	-0.0812
53	-0.02107	-0.02158	-0.09366	0.04438	-0.02107	0.01021	0.00122	0.07982
54	-0.05785	0.01576	0.01952	0.14079	-0.05785	-0.05785	0.03524	-0.0176
55	0.04843	0.01088	-0.12635	0.01088	0.01088	0.01088	-0.11875	-0.08652
56	-0.00709	0.06777	-0.06772	0.0049	0.13856	0.13856	-0.01461	-0.12568
57	-0.05444	-0.05207	-0.05444	-0.05444	-0.05444	-0.05444	0.08078	0.00488
58	0.01207	-0.12233	-0.05377	0.1141	0.01207	-0.0928	-0.13165	0.03699
59	-0.12673	-0.03482	-0.0352	0.17444	-0.04631	-0.12673	-0.06977	-0.0569
60	0.03504	-0.14139	0.19283	0.03504	0.03504	0.03504	-0.01147	-0.03129
61	-0.22316	-0.0045	-0.17904	0.03997	-0.22316	-0.22316	-0.10897	-0.05694
62	0.10005	-0.08147	-0.06738	-0.01383	0.10005	0.10005	-0.15249	-0.04536
63	0.10271	0.06807	0.11095	0.10271	0.10271	0.10271	0.05793	0.1917
64	0.03488	-0.10066	0.01486	0.10796	0.03488	0.03488	0.07937	-0.21189
65	-0.12106	0.10104	0.16954	-0.03772	-0.12106	-0.12106	-0.05315	0.04269
66	0.03403	-0.11164	0.03403	-0.12185	0.03403	0.03403	0.08655	-0.12076
67	-0.04094	0.03835	-0.01746	-0.04902	0.03625	0.10004	-0.09612	0.10004
68	0.0565	0.0565	0.0055	-0.09453	0.0565	0.0565	0.12828	-0.02889
69	0.00918	-0.06361	0.08531	-0.00802	0.00918	0.00918	-0.0183	-0.06988
70	-0.04825	0.04696	0.13856	0.01992	-0.06092	-0.06092	0.2478	0.01356
71	0.02718	-0.13303	0.0682	0.0361	0.02718	0.02718	0.00916	0.12372
72	-0.03224	-0.0255	-0.03224	0.13702	-0.03224	-0.03224	-0.04066	0.10087
73	-0.1342	0.18124	-0.03734	0.0798	0.18315	-0.1342	0.04301	0.03526
74	0.1749	0.14791	-0.04139	-0.06606	0.14098	0.14098	0.02931	-0.00278
75	-0.17282	0.12145	-0.004	-0.10035	-0.10035	-0.10035	-0.03463	-0.08582
76	0.0204	0.06439	-0.09316	0.05612	0.15046	0.02267	-0.26764	0.06163
77	-0.14397	-0.14397	-0.07908	-0.07549	-0.14397	-0.14397	-0.07607	-0.13584
78	0.13319	0.01741	0.02863	-0.17808	0.13319	0.13319	0.11552	0.00722
79	-0.03124	-0.02284	0.06353	0.09302	-0.07574	0.04893	0.04893	-0.01625
80	0.02807	-0.04334	-0.12457	0.18143	-0.04278	-0.04278	-0.00102	0.08219
81	-0.07435	0.09847	-0.07435	0.02195	-0.07435	-0.07435	0.06982	-0.08702
82	0.01944	-0.17056	0.04217	0.04699	0.01944	0.01944	0.01944	0.00459
83	-0.09047	0.10952	-0.04735	-0.03012	-0.09047	-0.09047	0.0067	0.01701
84	0.02345	0.02345	-0.06961	-0.0018	-0.05322	0.02345	-0.07469	0.12698
85	-0.02868	0.17534	-0.02868	0.0721	-0.02868	-0.02868	-0.13537	-0.00509
86	-0.13236	-0.11073	0.09685	-0.13236	-0.13236	-0.13236	0.01987	-0.13236
87	-0.12662	-0.12662	-0.05446	0.19301	-0.12662	-0.12662	-0.02514	-0.03529
88	-0.15988	0.0052	-0.00451	-0.01953	0.00165	0.0052	0.05064	-0.0394
89	-0.01534	-0.06577	0.13369	-0.01534	-0.01534	-0.01534	0.12185	0.04602
90	0.00921	0.05283	-0.1252	-0.09825	0.14657	0.14657	-0.03195	0.14657
91	-0.09744	0.06922	-0.09931	0.05573	-0.09542	-0.09744	0.06108	-0.01378
92	-0.20749	-0.14193	-0.21086	0.03442	-0.20749	-0.09516	-0.04317	0.24045

	93	-0.00256	-0.1175	0.03472	-0.04898	-0.1175	-0.1175	-0.1175	-0.066
	94	0.15498	0.15498	0.00543	-0.18285	0.05771	0.15498	0.03824	-0.14793
	95	0.12874	-0.08148	-0.15834	0.12662	0.12874	0.12874	-0.01099	0.15227
	96	0.11119	-0.05065	0.01744	-0.13678	-0.12913	-0.12913	0.19343	-0.0716
	97	0.03184	0.03693	-0.02098	-0.12454	-0.16113	0.09963	-0.10829	0.03408
	98	0.19223	0.15031	0.0809	0.008	0.19223	0.19223	-0.0669	0.05628
	99	0.00264	0.01794	0.17206	0.14064	0.0163	0.0163	0.14818	0.10083
	100	-0.00088	-0.00651	-0.05225	-0.05225	-0.05225	-0.05225	0.08908	-0.2332
2018	1	0.07508	-0.1014	-0.04939	-0.0553	0.03399	0.03399	0.03399	0.14116
	2	0.01524	-0.03617	-0.10901	-0.11491	-0.07311	-0.07311	0.08229	-0.04042
	3	-0.23668	-0.14719	0.12872	-0.04561	-0.23668	-0.23668	-0.01219	0.04369
	4	0.00282	-0.06963	-0.01536	0.01603	-0.03795	0.00282	-0.26838	0.05279
	5	-0.06111	-0.06111	-0.15564	-0.14131	-0.06111	-0.06111	0.05101	-0.03121
	6	0.20798	0.06674	0.05798	0.04205	0.20798	0.20798	0.00312	0.09466
	7	-0.11024	-0.11024	0.09972	-0.02016	-0.08106	-0.11024	-0.11024	0.31659
	8	-0.05714	-0.00417	0.01252	-0.24261	0.04388	0.04388	-0.03109	-0.01944
	9	0.00128	-0.105	0.00128	0.07939	0.00128	0.00128	-0.02043	0.07738
	10	-0.11721	0.01198	0.33648	0.01198	0.01198	0.01198	-0.07173	-0.06523
	11	-0.07522	-0.01869	-0.08506	0.14178	0.06711	-0.07522	0.15777	0.02396
	12	-0.30176	0.14067	-0.21084	-0.00064	0.02099	-0.30176	0.03368	-0.13793
	13	0.13182	0.03583	0.07364	0.00584	0.13182	-0.10334	0.06042	0.02991
	14	0.34713	-0.04291	0.01986	0.20193	0.34713	0.34713	-0.13553	0.11134
	15	0.05105	0.0145	-0.06415	-0.08419	-0.08419	-0.08419	0.01458	-0.07834
	16	-0.04233	0.01009	-0.02806	0.05689	-0.04233	-0.04233	-0.09912	-0.01047
	17	-0.02836	-0.02836	0.04196	0.02832	-0.02836	-0.02836	-0.06265	-0.19284
	18	-0.02511	-0.16778	-0.00115	0.08919	-0.02511	-0.02511	-0.0484	-0.08496
	19	0.1392	-0.05485	0.12537	-0.02781	0.1392	0.1392	0.1392	-0.12347
	20	-0.00928	0.04274	-0.06821	-0.07228	-0.00928	-0.00928	0.0947	0.00399
	21	0.01641	-0.02419	0.185	0.16982	0.01641	0.01641	-0.09673	-0.02479
	22	0.17594	0.01499	0.06158	0.14495	0.17594	0.17594	-0.04327	0.09145
	23	0.14739	0.10726	0.09547	-0.08813	0.14739	0.0409	-0.13752	0.14886
	24	0.05087	0.09632	0.07685	0.05959	0.05087	0.05087	0.099	0.10948
	25	0.02481	-0.06813	0.01564	0.02254	0.02509	-2.8E-05	-0.22597	-2.8E-05
	26	-0.07241	0.06591	-0.03439	-0.06279	0.32332	0.32332	0.21971	-0.13345
	27	0.0189	0.03315	0.0189	-0.13028	0.0189	0.0189	0.03756	-0.10575
	28	-0.13613	0.00845	-0.14428	-0.1748	-0.13613	-0.13613	0.10378	0.05171
	29	0.10231	-0.17929	-0.00287	-0.04214	-0.00287	-0.00287	-0.07367	-0.26573
	30	0.06005	-0.04417	-0.00747	-0.07039	0.06005	0.06005	0.01652	0.03562
	31	-0.13052	-0.13052	0.0474	-0.13052	-0.13052	-0.13052	0.00409	0.0234
	32	-0.00856	-0.12553	0.15602	0.09416	-0.00856	-0.00856	0.07624	-0.06046
	33	-0.04917	0.13625	0.03305	0.1149	0.03305	0.03305	0.04544	-0.00719
	34	0.16838	-0.14293	0.1188	0.06921	0.16838	0.16838	-0.10471	0.17558
	35	-0.05131	-0.03015	-0.09732	-0.00285	-0.05131	-0.05131	0.05665	0.00607
	36	0.05851	0.07009	-0.05472	0.00375	0.05851	0.05851	-0.03176	-0.03204
	37	-0.01742	-0.00523	-0.01742	-0.11393	0.01275	-0.01742	-0.05335	-0.06765
	38	0.05919	0.2297	-0.07305	0.05919	0.05919	0.05919	-0.02384	0.05445
	39	0.10425	0.05101	0.00688	0.03014	0.10425	0.10425	0.14194	-0.03895
	40	-0.07062	-0.06006	0.02676	0.04496	-0.08228	-0.07062	-0.0085	0.08079
	41	0.15882	0.15882	0.01535	0.06948	-0.01455	0.15882	0.07582	-0.02038
	42	0.0152	0.0152	0.04128	-0.00332	0.0152	0.0152	-0.09942	-0.06052
	43	0.0236	0.01958	0.06423	0.00091	0.0236	0.0236	-0.18293	0.17238
	44	0.25138	-0.02277	0.02807	-0.01739	-0.03266	-0.03266	-0.01331	0.11105
	45	-0.01785	0.02619	-0.04253	-0.14069	-0.00058	-0.00058	-0.03266	-0.01123
	46	0.06642	-0.23272	-0.01544	0.09245	0.06642	0.06642	0.06642	0.15849
	47	-0.02265	0.00698	-0.00963	0.01515	-0.02265	0.20002	-0.12314	-0.19342

48	0.01532	-0.00051	-0.1381	0.01532	0.02439	0.01532	0.00575	-0.12963	
49	-0.06844	-0.06844	-0.05637	0.05935	-0.06844	-0.06844	-0.06844	-0.10557	
50	0.0093	-0.05808	-0.26694	-0.03803	0.0093	0.0093	0.26124	0.10117	
51	-0.03908	0.28066	-0.02544	-0.10331	-0.03908	-0.03908	0.16378	0.00584	
52	0.19364	0.06422	0.11557	0.03182	0.19364	0.19364	0.06599	0.03819	
53	-0.02107	-0.1134	0.17427	0.12054	-0.02107	-0.02107	0.09389	0.01577	
54	-0.05785	-0.14827	0.00931	-0.07355	-0.05785	-0.05785	0.12505	-0.03172	
55	0.04843	-0.07084	-0.0929	-0.04522	0.01238	0.04843	-0.05782	-0.04387	
56	-0.00709	0.10264	0.13907	0.04344	0.13907	0.13907	-0.05052	0.05006	
57	-0.05444	0.07386	-0.08008	-0.22396	-0.08723	-0.08723	0.03851	-0.08781	
58	0.01207	0.13867	0.01207	-0.11088	0.01207	0.01207	0.01344	0.06648	
59	-0.12673	-0.04045	0.0864	-0.12673	-0.19757	-0.12673	-0.12969	0.07132	
60	-0.0346	-0.08912	-0.11393	-0.0346	0.10218	-0.0346	-0.0094	-0.07693	
61	-0.22316	0.00268	-0.00248	-0.13192	-0.03711	-0.22316	-0.11702	-0.03255	
62	0.10005	-0.04184	-0.0453	0.25564	0.10005	0.05591	0.01081	-0.12744	
63	0.10271	0.07072	0.10271	0.03894	-0.20539	0.10271	0.11213	0.03518	
64	0.03488	-0.02402	0.06313	0.07691	0.03488	0.03488	-0.00877	0.16731	
65	-0.12106	-0.06439	0.13089	0.12617	-0.12106	-0.12106	0.01955	0.1412	
66	0.03403	0.03802	0.02392	0.0066	0.03403	0.03403	-0.10067	0.01469	
67	-0.04094	-0.06919	-0.12289	0.03521	-0.04094	-0.04094	-0.0186	-0.04443	
68	0.0565	-0.17544	-0.18546	-0.09618	-0.18546	-0.18546	-0.03204	-0.01664	
69	0.00918	0.19256	0.02568	-0.03909	-0.01074	-0.01074	-0.0659	-0.08625	
70	-0.23548	-0.01114	-0.01403	-0.07884	-0.23548	-0.23548	0.06153	-0.23548	
71	0.02718	-0.09557	0.1036	-0.12768	0.02718	0.02718	-0.03873	0.02718	
72	-0.03224	0.13905	-0.02639	0.13058	-0.12152	-0.02639	0.17688	0.04081	
73	-0.1342	-0.10822	-0.14535	0.02126	-0.1342	-0.00601	-0.14482	0.10564	
74	0.1749	0.05367	-0.02721	-0.02814	0.1749	0.1749	0.10255	0.07021	
75	-0.17282	0.01605	-0.07003	0.09056	-0.17282	-0.08933	0.07336	-0.05728	
76	0.05388	0.0927	0.08238	0.05263	0.05388	0.05388	0.05197	-0.15928	
77	-0.14397	-0.14397	0.12073	-0.00043	-0.14397	-0.14397	0.02696	-0.07587	
78	0.13319	-0.02591	-0.09974	-0.01678	0.02956	0.13319	-0.18157	0.08624	
79	-0.03124	0.05147	-0.05423	-0.05648	-0.03124	-0.03124	0.16306	-0.03124	
80	0.02807	-0.14196	-0.20884	-0.28068	0.02807	0.03734	-0.07547	-0.20499	
81	-0.07435	-0.09627	-0.07435	-0.03406	-0.07435	-0.07435	0.02588	0.04166	
82	0.01944	-0.01421	-0.13288	0.01944	0.01944	0.01944	-0.02885	0.12147	
83	-0.20692	-0.04662	0.01747	-0.01401	-0.20692	-0.20692	0.0657	-0.01087	
84	0.02345	-0.00753	0.1029	-0.1352	0.02345	0.02345	0.04656	-0.13089	
85	-0.12821	0.16342	0.05083	0.04801	-0.12821	-0.12821	0.0197	-0.23555	
86	-0.13236	0.07164	0.06546	0.01616	-0.13236	-0.13236	-0.01562	0.14754	
87	0.0465	-0.06869	0.03564	0.10762	0.0465	0.0465	-0.1024	0.0465	
88	0.08923	0.02021	-0.04493	-0.08228	0.08923	-0.08228	0.00125	0.09491	
89	-0.01534	0.10133	-0.01045	-0.04022	-0.08124	-0.08124	0.0837	0.01681	
90	0.00921	0.02771	0.15237	0.07245	0.04454	0.07415	0.21726	-0.10879	
91	-0.09744	0.17154	0.11788	-0.08412	-0.0428	-0.0428	-0.07063	-0.02458	
92	-0.20749	0.01254	-0.07136	-0.08835	-0.20749	-0.20749	-0.05431	0.0071	
93	-0.00256	0.05553	-0.10593	0.06175	-0.00256	-0.00256	-0.11707	-0.00256	
94	0.15498	-0.11644	-0.25136	-0.25136	-0.25136	-0.25136	0.14266	-0.07083	
95	0.12874	0.10476	0.16792	0.09231	0.12874	0.12874	0.11393	-0.04484	
96	0.11119	-0.03801	-0.19958	0.13811	0.11119	-0.00849	-0.00849	0.22299	
97	0.02567	-0.17299	-0.05345	-0.11433	0.02567	0.02567	-0.00134	-0.03187	
98	0.00248	-0.05983	0.07228	-0.05737	0.00248	0.00248	-0.20222	-0.0928	
99	0.00264	-0.15777	-0.14303	0.00375	0.06587	-0.14303	-0.14303	-0.05316	
100	-0.00088	0.04767	0.00056	-0.00053	-0.00088	-0.00088	-0.03928	0.07948	
2019	1	0.09605	0.09964	-0.16192	-0.16554	0.09605	0.01714	0.03296	0.02362
	2	0.01524	0.06187	-0.06889	0.01755	0.01524	0.01524	-0.15465	-0.13646

3	-0.23668	-0.12507	0.08934	-0.04458	0.12446	-0.04458	0.07777	-0.12194
4	0.00282	0.03647	0.16936	-0.0151	0.00503	0.00282	0.04909	0.04664
5	-0.10908	-0.08478	-0.04623	0.08896	-0.05533	-0.10908	0.01149	-0.09712
6	-0.21655	0.13184	-0.01305	-0.00459	-0.21655	-0.21655	-0.11769	0.08353
7	0.12465	0.04262	0.01738	0.03209	0.01738	0.01738	-0.01196	0.06721
8	-0.05714	-0.02281	-0.31942	0.06026	-0.05714	0.00801	0.05266	0.03203
9	0.00128	-0.04491	0.16136	-0.03382	0.00128	0.00128	0.00128	0.15353
10	-0.11721	-0.11721	0.00554	-0.07753	-0.11721	-0.11721	-0.09513	-0.00067
11	-0.07522	-0.07522	-0.02659	0.0718	0.06666	-0.07522	-0.08008	-0.05892
12	-0.30176	-0.00312	-0.08595	-0.10264	-0.30176	-0.30176	0.09463	-0.30176
13	0.00921	0.01306	-0.12419	0.01126	0.00921	-0.00183	0.10699	-0.04498
14	0.34713	0.08127	0.06344	-0.05905	-0.09177	0.34713	0.01432	0.10675
15	0.05105	0.12353	-0.00752	-0.05067	0.05105	0.05105	-0.0246	0.05105
16	-0.04233	-0.03629	-0.0548	-0.04233	-0.04233	-0.04233	0.21187	-0.04233
17	-0.02836	-0.02836	-0.02836	-0.14006	-0.02836	-0.02836	-0.04974	-0.02836
18	-0.02511	-0.07979	0.09202	0.1155	0.09202	0.09202	-0.06403	0.00127
19	0.1392	-0.06543	0.01888	0.15108	0.16839	-0.02068	-0.02636	0.20001
20	-0.00928	0.17688	0.10712	0.17659	0.31185	0.31185	0.31185	-0.02987
21	-0.02164	-0.04255	-0.05964	0.02525	-0.02164	-0.02164	-0.12379	0.02536
22	0.17594	0.19766	0.10118	0.17594	0.17594	0.17594	-0.14107	-0.12132
23	0.14739	-0.09517	-0.08819	0.03162	0.14739	0.14739	0.15525	-0.06437
24	0.05087	-0.14251	0.07467	-0.13669	-0.21623	-0.21623	-0.21623	-0.03878
25	0.02481	0.06917	0.11655	-0.1918	0.02481	0.02481	0.21087	0.02435
26	-0.07241	0.11875	-0.21276	-0.04593	-0.07241	-0.07241	-0.07241	-0.10121
27	0.0189	-0.05564	0.06493	-0.03185	0.23821	0.23821	0.03256	0.00713
28	-0.13613	0.09386	0.04779	0.00588	-0.13613	-0.13613	-0.06987	-0.00377
29	-0.077	-0.06932	-0.02281	0.10718	-0.077	-0.077	0.05104	-0.06957
30	0.06005	0.04376	0.02162	0.05376	0.06005	0.06005	0.0924	0.12711
31	-0.13052	-0.12002	-0.14181	-0.11374	-0.02407	-0.02407	-0.05284	-0.1385
32	-0.00856	-0.03212	0.00465	0.0685	-0.00856	0.14927	0.00677	0.14927
33	-0.04917	0.02259	-0.03	0.17203	0.14131	0.14131	-0.16658	0.14131
34	-0.1186	0.03015	-0.10628	-0.1186	-0.1186	-0.1186	0.07564	-0.1186
35	0.1153	0.05667	0.20404	-0.0573	0.1153	0.1153	-0.04255	0.10101
36	0.05851	0.1368	-0.043	0.08869	0.05851	0.05851	-0.00809	0.0819
37	-0.01742	-0.21675	-0.06886	-0.02112	-0.01742	-0.01742	-0.01367	0.05781
38	0.05919	-0.00145	0.05757	-0.10054	0.05919	0.05757	0.02457	-0.02246
39	0.10425	-0.01533	0.03254	0.10425	0.10425	0.10425	0.11034	0.17535
40	-0.07062	0.00976	0.13964	-0.06932	0.06828	0.06828	0.06422	-0.0295
41	-0.03237	-0.25146	0.11464	0.0602	-0.03237	-0.20233	-0.03515	0.02092
42	0.0152	0.0062	-0.07758	0.01394	0.0062	0.0062	-0.16596	-0.10158
43	0.0236	0.00197	0.10271	0.25274	0.0236	0.18044	-0.11055	0.04583
44	0.25138	0.10882	0.15875	0.00084	0.25138	0.25138	-0.06738	0.02977
45	-0.01785	0.04139	-0.02617	-0.01746	-0.01785	0.09322	-0.02105	-0.01809
46	-0.0005	-0.11805	-0.0005	0.13327	-0.0005	-0.0005	-0.07497	-0.06776
47	-0.02265	0.0706	0.05957	0.07556	0.0706	0.0706	-0.08773	0.07851
48	0.01532	0.15037	0.01719	-0.13563	-0.07046	-0.07046	0.07363	0.12001
49	-0.06844	-0.01607	-0.05329	-0.05571	-0.00399	-0.00399	-0.012	0.15031
50	-0.05981	-0.15923	0.1723	0.1119	-0.05981	-0.05981	-0.15043	0.05983
51	-0.03908	-0.0859	0.04867	-0.11004	-0.03908	-0.03908	0.03832	-0.04391
52	0.19364	0.0867	0.00932	0.02988	0.19364	0.02216	0.11039	0.00385
53	-0.02107	-0.00167	0.02948	0.08727	-0.02107	-0.02107	0.06282	-0.0554
54	0.16941	-0.02695	-0.09836	-0.22919	0.16941	0.16941	0.16039	-0.03662
55	0.03536	0.05257	-0.19082	-0.07163	0.03536	0.03536	0.00149	0.21949
56	-0.00709	0.01279	-0.02216	-0.02535	0.01317	0.01317	0.04462	-0.1737
57	0.08382	-0.05602	-0.14526	-0.00153	0.08382	0.05508	-0.04071	-0.10736



58	0.01207	0.04626	-0.00811	0.04669	0.01207	0.04626	0.09877	0.04626
59	-0.12673	-0.04707	0.08177	-0.12673	-0.12613	-0.12673	0.02406	-0.13562
60	-0.0346	0.20539	0.05178	-0.04444	0.05178	0.05178	0.22096	0.1034
61	-0.22316	-0.0666	-0.22316	0.09508	-0.22316	-0.22316	0.08181	0.15682
62	0.10005	-0.01372	0.07377	-0.06403	0.10005	0.10005	-0.05646	0.02877
63	0.10271	-0.18934	-0.05242	0.20885	-0.0794	0.10271	-0.0492	-0.01632
64	0.03488	0.1576	-0.05804	-0.07203	0.03488	0.03488	0.09996	0.12164
65	-0.12106	0.0055	0.01789	0.10722	0.14033	0.14033	-0.03432	-0.03593
66	0.03403	-0.12012	0.10353	-0.01997	0.03403	0.03403	0.03378	-0.04659
67	-0.04094	0.08444	-0.09548	0.01424	0.005	-0.04094	0.1065	-0.07196
68	-0.0707	0.05267	0.12927	-0.04173	-0.00498	-0.0707	-0.14762	-0.0707
69	0.04625	-0.08717	0.04625	-0.00628	0.04625	0.04625	0.04428	-0.06154
70	-0.23548	-0.04341	0.00964	-0.10344	-0.04208	-0.04208	0.14531	-0.04208
71	0.02718	-0.00198	0.02718	0.03498	0.02718	0.02718	-0.16526	0.06216
72	-0.03224	0.05174	-0.02402	-0.11499	-0.03224	-0.03224	-0.01391	-0.00955
73	-0.1342	0.10888	-0.00226	0.13541	-0.1342	-0.1342	-0.0105	-0.16217
74	0.1749	0.02621	-0.21261	-0.23516	0.1137	0.02621	-0.08806	-0.11785
75	-0.17282	0.26795	0.06297	-0.17282	-0.17282	-0.17282	0.17848	0.02431
76	0.05388	-0.07782	-0.11998	0.05614	0.05388	0.05388	0.01852	-0.17314
77	-0.14397	0.07931	0.04502	-0.14028	-0.20427	-0.20427	-0.07777	-0.20427
78	0.13319	-0.03005	-0.03707	0.04461	0.04585	0.04585	-0.11157	0.0387
79	-0.03124	0.02893	-0.13462	0.07639	0.09493	0.09493	0.06444	0.00973
80	0.02807	-0.15292	0.29165	-0.03657	-0.0182	0.02807	0.00923	0.07673
81	-0.07435	-0.00616	0.08404	-0.05019	-0.07435	-0.07435	0.0842	-0.14303
82	0.01944	-0.14762	-0.10265	-0.10545	-0.02006	-0.02006	0.06688	-0.05704
83	-0.20692	0.09746	0.18053	0.04177	-0.20692	-0.20692	-0.02567	-0.10455
84	0.02345	0.20314	0.09184	0.07056	0.02345	0.02345	0.14577	0.11999
85	0.15976	0.08863	0.08863	0.15438	-0.14327	0.08863	0.03185	0.06655
86	-0.13236	0.14153	-0.01941	-0.08928	-0.13236	-0.13236	-0.18082	0.02893
87	0.0465	-0.08748	0.02607	-0.07457	0.0465	0.0465	0.02513	0.00779
88	0.08923	0.04187	-0.13202	-0.1416	-0.06121	0.08923	-0.00445	-0.04998
89	0.07279	0.07279	-0.04013	0.10082	0.07279	0.07279	-0.06064	0.22707
90	0.00921	0.00864	0.04556	0.00921	0.00921	0.00921	-0.01643	0.08525
91	-0.09744	0.08134	0.13171	0.16056	0.16056	0.16056	-0.07921	-0.02606
92	-0.20749	0.11239	-0.10964	0.12072	-0.20749	-0.20749	-0.13771	-0.1903
93	-0.00256	-0.07668	-0.03625	-0.18872	-0.18872	-0.18872	-0.18872	0.06897
94	0.15498	0.15498	0.02486	0.18488	0.05976	0.15498	0.12106	-0.07766
95	0.12874	-0.02026	-0.05974	0.06606	0.12874	0.12874	-0.11243	0.05098
96	0.11119	-0.02637	-0.01171	0.01477	0.11119	0.11119	0.00402	0.0142
97	0.02567	-0.17787	-0.18483	-0.19544	0.02567	0.02567	0.05006	0.02567
98	0.00248	0.03831	0.00248	0.0123	0.00248	0.00248	-0.09251	-0.00934
99	0.00264	0.02329	-0.07916	-0.05268	-0.13267	-0.13267	0.07774	-0.01539
100	-0.00088	-0.00088	0.00833	-0.02664	-0.00088	-0.00088	0.21744	-0.10246
2020	1	0.09605	0.03092	0.07142	-0.16699	-0.15352	-0.15352	-0.0676
	2	0.01524	-0.05094	-0.1059	0.11641	0.01524	0.01524	0.09393
	3	-0.23668	0.06115	-0.23668	-0.03465	-0.23668	-0.23668	-0.17241
	4	0.00282	0.13855	-0.10209	-0.05335	0.13855	0.13855	-0.12618
	5	-0.10908	-0.12232	0.02445	0.14734	-0.04188	-0.10908	-0.10236
	6	-0.03161	0.01926	0.11253	-0.01425	0.02957	0.02957	-0.04501
	7	0.12465	-0.32795	0.03746	-0.08668	0.06658	0.06658	0.00143
	8	-0.05714	0.10574	-0.028	-0.00166	-0.05714	-0.05714	0.13103
	9	0.00128	-0.09503	0.18044	-0.09503	-0.09503	-0.09503	0.12262
	10	-0.01848	-0.01848	0.08644	0.23015	-0.01848	-0.01848	-0.0703
	11	-0.07522	-0.05436	-0.00218	-0.07522	-0.07522	-0.07522	-0.01339
	12	-0.30176	-0.08439	-0.05479	0.05365	-0.30176	-0.30176	-0.00544

13	0.00921	0.13384	0.04137	0.08999	0.00921	0.00921	0.06771	-0.05753
14	0.34713	0.0812	-0.02061	0.02097	-0.02489	-0.23393	0.04779	-0.05077
15	0.05105	0.18192	-0.19538	0.0018	0.05105	0.05105	0.02691	0.01446
16	-0.04233	-0.07117	-0.04186	-0.10431	-0.04233	-0.04233	0.0525	-0.10854
17	-0.02836	-0.03832	-0.14173	0.04484	-0.02836	-0.02836	0.18117	0.04079
18	-0.02511	-0.15542	-0.07326	0.07297	0.02692	-0.02511	-0.12891	0.09238
19	0.1392	0.1392	0.05463	0.03701	0.1392	0.1392	-0.02617	0.03685
20	-0.00928	-0.02531	0.00118	-0.15774	-0.00928	-0.00928	-0.00928	-0.02566
21	-0.02164	-0.02904	-0.03192	-0.02164	-0.02164	-0.02164	-0.02928	-0.25209
22	0.17594	-0.1098	-0.09419	0.01362	0.17594	0.17594	-0.13053	0.14286
23	0.14739	0.21736	0.07977	0.10499	-0.06718	-0.15215	0.04978	0.11603
24	0.05087	-0.1033	-0.01001	-0.14566	0.05087	0.05087	-0.05758	-0.04736
25	0.19901	-0.04306	0.03489	-0.08724	-0.01437	0.19901	0.24066	0.09979
26	-0.07241	0.01007	-0.20919	-0.18406	-0.20919	-0.20919	-0.02038	-0.12248
27	0.0189	0.09081	0.15293	0.04589	0.15293	0.15293	0.03218	-0.13368
28	-0.01306	-0.06893	0.00155	-0.00372	-0.01306	-0.01306	-0.11605	-0.01591
29	-0.077	-0.00659	-0.04157	0.14108	0.19105	-0.077	0.00431	0.04701
30	0.06005	0.03433	-0.05619	0.1896	0.06005	0.06005	-0.04166	-0.03818
31	-0.13052	0.05806	0.16197	-0.03197	-0.13052	-0.13052	-0.0082	0.00554
32	-0.17405	-0.01877	0.0397	-0.05007	-0.17405	-0.17405	0.06527	-0.00555
33	-0.04917	0.15415	0.09308	0.09608	-0.04917	-0.04917	-0.04917	0.05395
34	-0.1186	-0.17781	-0.2935	0.06271	-0.01136	-0.1186	0.08803	-0.0865
35	0.1153	0.01634	0.01326	0.07448	0.1153	0.1153	0.07405	-0.07991
36	0.05851	0.05174	0.11398	0.01209	0.01209	0.01209	-0.09825	0.01209
37	-0.01742	-0.0659	-0.16057	0.02709	-0.01742	-0.01742	0.14838	-0.01742
38	0.05919	0.07464	0.05986	-0.07329	0.05919	0.05919	0.02055	0.0186
39	0.16284	-0.14767	-0.11185	-0.06073	0.16284	0.16284	-0.08051	0.07428
40	-0.07062	0.17167	-0.07212	0.01149	0.17167	0.17167	0.11106	0.18843
41	-0.03237	-0.03422	-0.02452	0.07863	-0.03237	-0.11549	-0.11549	0.07661
42	0.0152	-0.00738	-0.2109	-0.20731	-0.00738	-0.00738	0.03646	-0.04142
43	0.0236	0.0236	0.12272	0.04628	0.0236	0.0236	-0.10151	-0.01424
44	-0.10218	-0.06029	-0.10218	0.01497	-0.10218	-0.10218	-0.15136	-0.10218
45	-0.01785	0.07558	0.06951	-0.08216	-0.01785	-0.01785	0.07837	0.00686
46	0.01292	0.08421	-0.03163	0.20951	0.01292	0.01292	-0.10446	0.01892
47	-0.02265	0.03398	-0.12489	-0.14265	0.05406	0.05406	0.05406	0.08931
48	0.01532	-0.0752	0.21563	0.12012	0.01532	0.01532	0.05806	-0.08132
49	-0.06844	-0.04239	-0.03467	-0.03467	-0.06844	-0.03467	-0.31857	0.02819
50	-0.05981	-0.15219	-0.05981	-0.01127	-0.05981	-0.05981	-0.01641	-0.13909
51	-0.03908	-0.1138	0.01601	-0.0253	-0.22977	-0.03908	-0.00523	-0.06684
52	0.19364	0.13941	0.02613	0.00349	-0.00234	0.19364	0.01594	0.05258
53	-0.02107	-0.00191	-0.06682	0.08659	-0.02107	-0.01518	0.00692	0.15899
54	0.16941	0.01003	0.131	0.03269	0.1046	0.09568	0.13344	0.09568
55	0.03536	0.12087	0.16474	-0.04285	0.16474	0.16474	0.20717	0.11937
56	-0.00709	-0.19594	0.05116	-0.02911	-0.00709	0.07012	-0.03046	-0.00432
57	0.08382	-0.09749	0.08382	-0.06467	0.08382	0.08382	0.09561	-0.03165
58	0.01207	0.01491	-0.04601	0.05431	0.01207	0.01207	-0.0804	-0.18319
59	-0.12673	0.1775	0.05981	-0.10465	0.04179	-0.12673	0.04036	-0.08722
60	-0.0346	0.04354	0.09711	-0.08469	-0.0346	-0.0346	-0.06135	0.19874
61	-0.22316	0.17799	-0.06825	-0.0059	-0.22316	-0.22316	-0.22316	0.18321
62	0.10005	-0.03994	-0.14199	-0.19395	0.10005	0.10005	-0.03491	0.08828
63	0.10271	-0.1276	0.01624	-0.06988	0.10271	0.10271	0.03032	0.07988
64	0.03488	-0.15249	-0.01923	-0.01408	0.05987	0.03171	0.16768	-0.00369
65	-0.12106	0.08295	0.06317	-0.14346	-0.12106	-0.12106	-0.08994	0.05396
66	0.03403	-0.1823	-0.32017	0.0014	0.03403	-0.05198	-0.19097	-0.04118
67	-0.04094	0.04017	-0.03377	-0.05053	0.02691	0.02691	0.00228	0.04021

68	-0.0707	-0.00849	-0.11927	0.09836	-0.0707	-0.0707	0.0838	-0.12219	
69	0.04625	0.08761	0.07642	-0.06028	0.04625	0.04625	-0.04276	0.14664	
70	-0.23548	0.06131	-0.09847	0.07156	-0.23548	-0.23548	-0.12783	-0.23877	
71	0.02718	-0.06102	0.0123	0.03682	0.02718	0.02718	-0.05312	-0.07893	
72	-0.03224	-0.02878	0.03244	-0.09356	0.09891	-0.02561	-0.02561	0.03665	
73	-0.1342	0.03102	0.04329	0.04396	-0.1575	-0.1342	0.08918	0.02361	
74	0.1749	0.00437	0.12186	-0.12529	0.04052	0.04111	0.05653	0.04111	
75	-0.17282	0.02233	-0.00509	0.1623	-0.17282	-0.17282	-0.06855	-0.14105	
76	0.05388	-0.06982	-0.03866	0.01598	-0.068	-0.068	0.14818	-0.068	
77	-0.14397	0.13948	0.24859	0.10451	-0.14397	-0.14397	-0.13126	-0.02355	
78	0.13319	-0.02054	0.09846	0.06734	-0.1022	-0.10878	-0.00773	-0.03125	
79	-0.03124	-0.10244	-0.06535	-0.031	-0.02044	0.17148	0.03989	0.11895	
80	0.02807	0.10617	0.13106	0.17801	0.02807	0.02807	0.01885	-0.05857	
81	-0.07435	0.01886	-0.05021	0.02143	-0.07435	-0.07435	-0.08209	0.18938	
82	0.01944	0.14169	0.03447	0.00819	0.01944	0.01944	0.01655	0.01944	
83	-0.20692	-0.01981	0.07514	-0.1024	-0.20692	0.04397	-0.14616	-0.13213	
84	0.02345	0.19168	-0.01128	0.03922	-0.01128	-0.01128	0.1693	-0.03826	
85	0.15976	0.00572	0.04659	-0.00561	-0.04281	-0.07206	-0.02108	0.02381	
86	-0.13236	0.04836	0.01097	-0.12802	-0.13236	-0.13236	-0.18412	0.10114	
87	0.0465	0.06242	-0.15158	-0.0473	0.0465	0.0465	-0.0931	-0.01315	
88	0.08923	-0.11052	0.01944	-0.21634	0.08923	0.08923	-0.02572	0.11423	
89	0.07279	-0.05199	0.133	0.1126	-0.11888	-0.11888	0.03674	-0.00908	
90	0.00921	0.00921	-0.00698	0.09806	0.00921	0.00921	0.10299	-0.07778	
91	-0.11867	-0.05492	0.18402	0.14899	-0.05492	-0.05492	-0.05492	-0.23109	
92	-0.20749	-0.00925	-0.09595	-0.06083	-0.20749	-0.20749	0.12442	0.00095	
93	-0.00256	-0.10355	-0.06393	-0.14767	0.0959	-0.06873	-0.0081	-0.0616	
94	0.15498	-0.25248	-0.08034	0.05255	0.15498	0.22649	0.01172	0.22649	
95	0.02646	0.10597	-0.11563	-0.0732	0.02646	0.02646	0.02646	-0.1197	
96	-0.1744	-0.02683	-0.20327	0.0717	-0.1744	-0.1744	0.05645	-0.04505	
97	-0.00216	-0.00679	0.08635	-0.02499	-0.00216	-0.00679	0.1629	0.03156	
98	0.00248	0.09332	0.12256	-0.30126	0.00248	-0.30126	-0.11706	-0.30126	
99	0.00264	-0.16362	0.05862	0.17719	0.2372	0.00264	0.00264	0.08294	
100	0.00101	-0.08108	-0.01747	-0.03528	0.00101	0.00101	-0.06565	-0.10092	
2021	1	0.02566	0.10302	0.02566	-0.02632	0.02566	0.02566	0.09385	0.02566
	2	0.01524	-0.1012	0.18938	-0.11744	0.02415	0.18938	0.18636	-0.06391
	3	0.06308	0.16069	-0.01554	-0.09392	0.06308	0.06308	-0.01869	0.14516
	4	0.00282	0.02329	-0.06012	-0.00585	0.00282	0.00282	0.00628	-0.14101
	5	-0.10908	0.0063	0.00156	-0.18151	-0.10908	-0.10908	0.12773	-0.05028
	6	-0.04573	-0.00065	-0.04573	-0.04573	-0.04573	-0.04573	-0.07692	0.03059
	7	0.12465	-0.03964	-0.05127	0.15235	-0.03244	-0.03244	0.14341	-0.03244
	8	-0.05714	0.07254	0.10762	0.06381	-0.02508	-0.02508	0.01835	0.11864
	9	0.00128	0.11291	-0.11429	-0.06026	0.00128	0.11291	-0.06131	0.05882
	10	-0.01848	-0.0589	-0.08943	0.0409	-0.01848	-0.01848	0.06989	0.00047
	11	-0.07522	-0.03094	0.0903	-0.07221	-0.07522	0.05162	-0.10936	-0.02254
	12	-0.30176	0.05763	0.02408	0.01997	-0.05106	-0.05106	-0.04042	0.01323
	13	0.00921	-0.02253	-0.0348	-0.02059	-0.06267	-0.06267	-0.00842	-0.17583
	14	0.34713	-0.10577	-0.00314	0.02816	0.34713	0.34713	-0.12986	-0.12302
	15	-0.0145	-0.18665	-0.07728	-0.04527	-0.0145	-0.0145	0.03346	0.16455
	16	-0.04233	0.01689	0.19388	0.12232	0.01689	0.01689	-0.09107	-0.02859
	17	-0.02836	0.10699	0.03273	0.07888	-0.02836	-0.02836	-0.19773	0.03944
	18	-0.02511	-0.07802	0.0791	0.17102	-0.02511	-0.02511	0.06074	-0.08915
	19	-0.05831	-0.05831	-0.13176	0.09349	0.16634	-0.05831	0.05027	0.08846
	20	-0.00928	-0.13705	-0.00928	-0.00928	-0.00928	-0.00928	-0.03537	-0.0024
	21	0.01186	0.11099	-0.01097	0.0126	0.20677	0.01186	0.16253	-0.01263
	22	0.17594	-0.04946	0.11181	0.03449	0.03449	0.03449	0.0023	-0.05275

23	0.14739	0.14739	0.14739	0.02833	0.14739	0.14739	0.04896	0.08007
24	0.05087	0.17169	0.14256	0.05087	-0.10004	0.05087	-0.06695	-0.24042
25	0.19901	-0.0819	0.08647	0.04152	-0.18158	-0.18158	0.02702	0.00514
26	-0.07241	-0.05275	-0.0723	-0.07448	-0.07241	-0.07241	0.12523	0.03188
27	0.0189	-0.17534	0.02795	0.10863	-0.14985	0.0189	-0.15843	0.04359
28	-0.01306	0.13211	-0.02963	0.09855	0.27244	0.27244	0.27244	-0.078
29	-0.077	-0.077	0.04928	0.0599	-0.077	-0.077	-0.04885	0.15214
30	-0.03108	0.02946	-0.18244	-0.17133	-0.03108	-0.03108	-0.03108	-0.13875
31	-0.13052	0.01844	0.02252	-0.13474	-0.01915	-0.01915	-0.00706	0.02489
32	-0.05157	-0.03674	-0.04881	-0.05157	-0.05157	-0.05157	-0.02081	-0.10093
33	-0.04917	0.10203	-0.14932	0.15878	-0.16587	-0.04917	0.0602	0.18501
34	-0.21187	0.04493	-0.12553	-0.11174	-0.21187	-0.21187	-0.08035	-0.03866
35	0.06769	0.00915	-0.09719	-0.00417	0.06769	0.06769	0.07561	0.06313
36	0.1226	0.08273	0.02688	0.06803	0.15657	0.02688	0.17492	-0.01116
37	-0.01742	-0.02186	0.01253	-0.04647	-0.05631	-0.05631	0.01336	0.11246
38	-0.08387	-0.09692	-0.01999	-0.14251	-0.14251	-0.14251	-0.08819	-0.02676
39	0.16284	-0.14354	-0.06385	-0.0861	0.00205	0.00205	0.00205	0.08651
40	-0.07062	-0.10731	0.22569	-0.05783	-0.07062	-0.07062	-0.11029	-0.11549
41	-0.03237	0.06447	0.04986	0.17515	0.04986	0.04986	0.00649	0.08264
42	0.12611	-0.015	-0.09693	0.02432	0.12611	0.12611	0.11545	0.12611
43	0.0236	-0.12014	0.01332	-0.23262	0.0236	0.0236	-0.02385	0.0491
44	-0.10218	0.01383	-0.0396	-0.00757	-0.10218	-0.10218	0.07285	-0.13704
45	-0.01785	0.08014	0.00151	-0.07926	-0.01785	-0.01785	0.03273	-0.11923
46	0.01292	-0.0028	0.2296	0.01292	0.06484	0.01292	0.06251	-0.04946
47	-0.11572	-0.15646	-0.1076	-0.06393	-0.11572	-0.11572	0.23186	0.13007
48	0.01532	0.03727	-0.25742	0.05079	-0.01163	-0.01163	-0.07096	-0.06292
49	-0.06844	-0.04604	0.13726	-0.14702	-0.06844	-0.06844	-0.19205	-0.0286
50	-0.05981	0.15209	-0.03343	0.03739	-0.07206	0.00433	0.00433	0.00433
51	-0.03908	-0.03908	-0.00456	-0.03438	0.03787	-0.03908	0.14321	-0.26638
52	0.19364	0.09427	0.09059	-0.08747	0.19364	0.19364	0.19364	0.01665
53	-0.02107	0.12028	-0.07774	-0.01713	0.03703	0.03703	-0.00987	0.01222
54	0.16941	0.04866	0.05216	-0.12506	0.16941	0.16941	-0.03543	0.10318
55	0.03536	0.00554	0.06884	0.05299	-0.09619	0.02771	-0.04051	0.11213
56	-0.00709	-0.00709	-0.02141	-0.04883	-0.00709	-0.00709	0.01584	-0.01126
57	0.08382	-0.06226	0.06173	0.1567	0.08382	0.08382	-0.12295	0.03583
58	0.01207	-0.08364	0.03087	0.09958	0.01207	0.01207	0.08592	-0.10171
59	-0.12673	-0.10077	0.01291	0.00429	0.01291	0.01291	0.04421	0.18108
60	0.07029	-0.17899	-0.15098	0.10685	0.07029	0.07029	-0.06425	-0.02092
61	-0.22316	0.11281	0.02435	-0.04379	-0.22316	-0.04379	0.17487	-0.08501
62	0.10005	-0.07511	-0.04673	-0.09589	0.10005	0.10005	-0.0097	-0.00954
63	0.10271	-0.21923	-0.03218	0.03209	0.10271	0.10271	-0.11421	0.10271
64	0.03488	0.03557	-0.02244	0.25447	0.03488	0.03488	0.06787	0.04076
65	-0.12106	0.05424	-0.22212	-0.01954	-0.06493	-0.06493	-0.14661	-0.06586
66	0.03403	-0.05848	0.19715	0.05442	0.03403	0.03403	-0.07545	0.03403
67	-0.04094	0.0034	0.0311	0.08671	-0.1752	-0.1752	0.02279	0.13863
68	-0.1147	-0.09708	0.00678	-0.11001	0.16834	-0.1147	0.14046	-0.17952
69	0.04625	0.18912	0.10956	0.15147	0.0184	0.04625	-0.05217	-0.10636
70	-0.23548	-0.04238	0.04107	0.0396	0.00718	0.00718	0.01038	-0.03491
71	-0.09643	-0.01732	-0.07923	-0.04921	0.10571	-0.09643	0.04817	0.06564
72	-0.03224	-0.00547	-0.01148	0.07645	-0.04794	-0.04794	0.09602	0.0164
73	-0.04109	0.14776	0.05898	-0.14705	-0.04109	-0.04109	-0.08806	0.17074
74	0.1749	0.1749	-0.08858	-0.05806	0.1749	0.1749	-0.05417	-0.14825
75	-0.17282	0.01304	0.06936	0.01496	0.0454	0.0454	0.035	0.07742
76	0.05388	0.0746	-0.1205	-0.03351	0.05388	0.05388	0.06626	0.10859
77	0.00933	-0.13703	-0.06006	-0.07056	0.00933	0.00933	0.11948	-0.02441

78	0.13319	0.04126	0.13319	0.1123	0.13319	0.13319	-0.02559	0.13319
79	-0.03124	-0.0281	-0.15513	-0.00899	0.05563	-0.08363	-0.08363	-0.07029
80	0.02807	0.10002	0.08724	0.00564	0.02807	0.02807	-0.01996	0.09046
81	-0.07435	0.04024	0.06749	-0.10453	-0.07435	-0.07435	0.03847	-0.15929
82	0.01944	0.06228	0.06617	-0.05853	0.02202	-0.11583	-0.0223	0.12136
83	-0.20692	-0.00753	0.11936	0.04151	-0.20692	-0.20692	-0.10744	0.07691
84	0.02345	0.16726	0.03998	-0.15265	0.02345	0.02345	0.02423	0.23151
85	0.15976	0.12426	-0.02754	-0.00882	0.15976	0.15976	0.05843	0.15976
86	-0.13236	-0.13236	-0.1701	0.21304	-0.13236	-0.13236	-0.04169	-0.11108
87	0.0465	-0.06568	-0.06379	0.05361	-0.01194	0.0465	-0.00323	-0.08218
88	0.08923	0.20006	0.20795	-0.09738	0.08923	0.20006	0.20006	0.08859
89	0.07279	-0.03648	-0.08157	-0.17761	0.07279	0.07279	-0.02998	0.0499
90	0.00921	-0.15389	-0.12827	0.07412	0.00921	0.00921	-0.0736	-0.00563
91	0.1133	0.09069	-0.10427	-0.10427	-0.10427	-0.10427	-0.19915	0.06538
92	-0.20749	-0.02351	-0.10921	-0.07003	-0.20749	-0.20749	0.19409	0.13012
93	-0.00256	-0.16793	0.08681	0.01382	-0.082	-0.082	-0.05608	0.03285
94	0.15498	0.13899	-0.04675	0.0879	0.15498	0.15498	0.04005	-0.19896
95	0.02646	0.00238	0.02646	-0.05074	0.02646	0.02646	0.08756	-0.04554
96	-0.1744	-0.08616	-0.01217	0.12964	-0.1744	-0.1744	0.14309	-0.09964
97	-0.00216	-0.07889	0.1409	0.00029	-0.00216	-0.00216	0.11051	-0.02571
98	0.03779	0.0729	0.03779	-0.03	0.03779	0.03779	0.00294	0.03779
99	0.00264	-0.10798	-0.08875	0.11679	0.00264	0.00264	0.06921	-0.0151
100	0.00101	0.0265	-0.02082	-0.0212	0.00101	0.00101	-0.10327	0.02159

2022

1	0.02566	0.04908	-0.19983	-0.01982	0.02566	0.02566	0.04791	0.02811
2	0.01524	-0.01599	-0.00091	0.21201	0.01524	0.01524	-0.05153	-0.04615
3	-0.01666	0.13172	-0.06252	-0.0572	-0.10048	-0.10048	-0.00553	-0.10607
4	0.00282	-0.20394	0.12255	0.09073	0.00282	-0.07694	0.0191	0.15751
5	-0.10908	0.10288	0.0256	0.08092	0.0256	0.0256	-0.06346	-0.0774
6	0.1019	0.03261	-0.07524	-0.04613	0.10613	0.10613	-0.03022	0.02332
7	0.12465	0.06744	0.05001	-0.22115	-0.06718	-0.06718	-0.02242	0.16753
8	-0.05714	0.01711	0.01193	-0.03023	-0.10019	-0.05714	-0.13062	-0.0107
9	0.00128	-0.12916	-0.0989	0.14296	0.07658	0.07658	0.1029	0.00169
10	-0.01848	-0.08993	-0.01968	-0.07126	-0.01848	-0.01848	0.00079	0.04422
11	-0.07522	-0.07522	0.02003	0.03924	-0.07837	-0.07522	-0.11121	-0.0127
12	-0.30176	-0.00061	-0.11823	0.01961	0.07095	-0.30176	-0.30176	0.0603
13	0.00921	0.18996	-0.13454	0.03305	0.00921	0.00921	-0.07362	0.0888
14	0.34713	0.12587	-0.05168	-0.11729	0.34713	0.34713	0.06885	-0.10301
15	-0.0145	0.08324	0.15151	0.06673	-0.0145	-0.0145	0.1516	0.11008
16	-0.04233	-0.04768	0.05468	-0.00213	0.00622	0.00622	0.10511	-0.02625
17	-0.02836	-0.10495	0.26792	-0.09362	-0.02715	-0.02715	0.1832	-0.30152
18	-0.02511	-0.05449	0.03595	0.00871	-0.02511	-0.02511	0.05572	0.08148
19	-0.05831	0.0107	0.08194	0.12595	-0.05831	-0.05831	-0.20851	-0.15824
20	-0.00928	-0.03135	0.10281	-0.00928	-0.00928	-0.00928	0.02965	-0.0596
21	0.01186	-0.05136	-0.11437	0.02871	0.01186	0.01186	0.01602	0.07663
22	0.17594	-0.02916	0.12586	0.04414	0.17594	0.17594	-0.05204	0.17594
23	0.14739	0.14739	-0.03546	0.08192	0.14739	0.14739	-0.12961	-0.14036
24	0.05087	0.04617	0.16337	-0.18005	0.05087	0.05087	0.02859	0.25156
25	0.19901	0.06873	-0.15208	-0.02072	0.19901	0.19901	0.36814	-0.05844
26	-0.07241	-0.05317	0.08343	-0.06881	-0.07241	-0.07241	-0.03072	0.00954
27	0.07502	0.01166	-0.00038	0.00603	0.07502	0.07502	0.05507	0.10633
28	-0.01306	0.111	-0.05788	0.02052	-0.01306	-0.01306	0.01154	-0.035
29	0.20576	-0.00616	0.34115	-0.03598	0.02807	0.02807	0.09119	-0.09136
30	-0.03108	0.01552	-0.0452	-0.03108	-0.03108	-0.03108	-0.01892	-0.08152
31	-0.13052	-0.13064	0.04393	0.09984	-0.13052	-0.13052	-0.07037	-0.11642
32	-0.05157	-0.08204	-0.07264	-0.14258	-0.14258	-0.14258	0.07144	-0.16526

33	-0.04917	-0.02271	0.05669	-0.114	-0.04917	-0.04917	0.04749	0.03518
34	-0.21187	0.17858	-0.01823	0.11183	-0.21187	-0.21187	-0.06212	0.06084
35	0.06769	-0.21327	0.03715	-0.05394	0.06769	-0.06774	-0.17562	0.09166
36	0.1226	-0.09131	-0.09851	-0.15286	0.1226	0.1226	0.11308	0.02001
37	-0.01742	0.03338	0.00395	-0.10225	-0.01742	-0.01742	-0.08851	0.04187
38	-0.08387	-0.10973	0.08736	0.15171	-0.01866	-0.01866	0.14988	-0.04012
39	0.16284	0.05624	-0.2312	-0.00787	-0.08865	-0.08865	-0.12383	-0.00192
40	0.14592	0.14535	0.01498	0.05319	0.00736	0.00736	-0.00754	-0.02022
41	0.02867	-0.21622	0.0065	-0.05228	0.02867	0.02867	-0.10841	0.10018
42	0.12611	0.02349	0.2385	0.01025	0.12611	0.12611	0.12611	-0.05345
43	-0.00905	0.08285	0.07683	-0.02021	0.05575	0.05575	-0.02198	0.10703
44	-0.10218	0.09672	0.01644	0.05849	-0.10218	-0.10218	-0.06216	-0.04744
45	-0.01785	0.00679	-0.16369	0.01625	-0.23578	0.04528	-0.02591	-0.09578
46	0.01292	0.06193	0.01292	0.01292	0.01292	0.01292	-0.22957	0.01246
47	-0.11572	-0.0035	0.12731	0.14328	-0.11572	-0.11572	0.0878	0.05573
48	0.01532	0.01532	-0.06565	0.02991	0.13811	0.01532	-0.05127	0.01532
49	-0.06844	-0.09971	-0.11896	-0.14399	-0.06844	-0.06844	-0.06844	0.02074
50	-0.05981	-0.12645	0.03198	-0.03093	-0.05981	-0.05981	0.15719	-0.07612
51	-0.03908	-0.14275	0.05706	0.05139	0.16284	0.16284	0.16284	0.16284
52	0.19364	-0.06261	-0.08119	-0.16858	0.01906	0.01906	-0.00644	-0.11912
53	0.08162	0.03035	-0.01777	0.06902	0.08162	0.08162	0.02943	-0.0114
54	0.16941	-0.07763	0.10214	-0.10075	0.16941	0.16941	0.06189	0.04323
55	0.03536	0.17994	-0.18884	-0.06212	0.03536	0.03536	0.12682	0.16361
56	-0.00709	0.11673	-0.09687	-0.10781	-0.1562	-0.00709	0.00111	-0.01316
57	-0.04827	-0.03318	-0.02805	0.19528	-0.04827	-0.04827	0.04965	-0.32667
58	0.01207	-0.05076	0.04496	-0.00234	0.20687	0.20687	-0.06904	0.07525
59	-0.12673	0.13707	0.13667	0.10694	0.07751	-0.12673	-0.15472	0.03295
60	0.07029	-0.01884	-0.04071	-0.07425	0.07029	0.07029	0.01549	-0.12974
61	-0.22316	-0.07626	0.03093	0.11956	-0.22316	-0.22316	0.08805	-0.08369
62	0.10005	0.0514	-0.0904	0.00079	0.10005	0.10005	0.00557	0.07982
63	0.10271	-0.10663	-0.00409	0.04619	0.10271	0.10271	-0.04005	0.10271
64	0.03488	-0.1016	-0.10553	-0.04793	0.03488	0.03488	-0.28788	0.17207
65	-0.12106	0.01516	0.09087	0.0341	0.18894	0.18894	-0.02033	-0.0641
66	0.14703	-0.01744	0.07858	0.08672	0.12401	0.12401	0.10697	0.0215
67	-0.04094	-0.16533	-0.08288	-0.02244	-0.04094	-0.04094	-0.03526	0.13161
68	-0.1147	-0.1147	-0.01551	-0.05958	-0.1147	-0.1147	-0.1282	0.08796
69	0.04625	0.05529	0.13303	0.06457	-0.0286	-0.0286	-0.0286	-0.0445
70	0.06868	0.00076	-0.18219	0.07697	0.06868	0.06868	0.207	0.06868
71	-0.09643	-0.02741	0.00825	-0.0325	0.02188	0.02188	0.15524	0.03906
72	-0.03224	-0.03224	-0.05931	-0.00343	-0.03224	-0.03224	0.05762	-0.11412
73	-0.04109	0.0589	0.12541	-0.10153	0.0589	0.0589	0.0347	0.10713
74	0.1749	-0.06533	-0.14766	0.13156	0.1749	0.1749	-0.07709	-0.15494
75	-0.17282	0.15834	-0.04233	-0.13782	-0.22419	-0.22419	0.04304	-0.22419
76	0.05388	-0.05206	0.05388	0.20412	0.05388	0.05388	-0.06215	-0.00555
77	0.00933	-0.00825	0.05907	0.01503	0.00137	-0.18398	-0.09099	-0.18398
78	0.13319	0.13319	0.01462	-0.11567	0.04019	0.13319	0.13319	-0.21289
79	-0.03124	-0.03124	0.17455	-0.07245	-0.03124	-0.03124	-0.11211	0.02632
80	0.02807	0.09989	-0.02709	-0.17049	-0.04601	-0.04601	0.02413	-0.02896
81	-0.07435	-0.04499	0.0889	0.0718	0.03867	0.03867	0.20187	-0.06531
82	0.01944	-0.02147	0.0668	-0.05363	0.01944	0.01944	0.01227	0.06411
83	-0.20692	0.12176	-0.09306	0.15013	-0.20692	-0.20692	-0.12298	0.16249
84	0.02345	-0.11601	-0.05283	-0.17634	0.02345	0.02345	0.02904	0.02345
85	0.15976	0.05794	0.10848	-0.08707	0.15976	0.03661	-0.10216	-0.09404
86	-0.13236	0.00627	-0.00878	0.1187	-0.13236	-0.13236	-0.03699	-0.0449
87	0.0465	0.05101	-0.02564	0.06316	0.0465	0.0465	0.09964	-0.01922

88	0.08923	-0.01028	0.14466	0.04621	0.08923	0.08923	0.04816	0.39505
89	0.07279	0.17502	0.30965	-0.00491	0.07279	0.07279	0.07387	0.07644
90	0.00921	-0.18451	0.00449	-0.07146	0.00921	0.00921	-0.0575	0.00921
91	-0.03699	-0.14793	-0.03699	0.19195	-0.03699	-0.03699	-0.01777	0.00024
92	-0.20749	-0.0674	0.03669	0.08796	-0.06782	-0.0674	-0.14692	-0.12291
93	-0.00256	-0.07255	0.02188	-0.1048	-0.00256	-0.00256	-0.1803	-0.00256
94	0.15498	-0.02695	-0.18661	-0.13842	0.15498	-0.13842	0.13155	-0.19757
95	0.07953	0.07952	-0.14967	0.03027	-0.21674	0.0682	-0.03945	0.0399
96	-0.1744	0.03489	-0.07739	-0.0463	-0.1744	-0.1744	0.1063	-0.1396
97	-0.00216	-0.05681	0.04453	-0.02337	-0.00216	-0.00216	0.01902	-0.01065
98	0.03779	-0.09575	-0.10618	-0.03676	0.03779	0.03779	0.06172	0.02874
99	0.00264	0.01753	-0.0135	0.00264	0.09904	0.00264	-0.0814	-0.07902
100	0.01418	0.1286	0.07523	-0.16339	0.2358	-0.18104	-0.00954	0.02182

2023

1	0.02566	0.02566	0.05896	-0.05081	0.02566	0.02566	-0.0487	0.01119
2	0.01524	0.04503	-0.0781	-0.02305	0.01524	0.01524	-0.20604	0.07872
3	-0.01666	0.11771	-0.01666	0.09802	-0.01666	-0.01666	-0.01666	-0.12452
4	0.00282	-0.09834	-0.03801	-0.0013	0.02381	0.00282	-0.02976	-0.0234
5	-0.10908	0.01061	0.04667	-0.10103	-0.10908	0.07105	0.11538	0.07105
6	0.1019	-0.15385	-0.23238	0.0693	0.1019	0.1019	0.02718	0.08912
7	0.12465	-0.06217	-0.03854	-0.12192	0.1213	0.1213	-0.09967	0.04054
8	-0.05714	-0.07909	0.24137	0.01498	-0.02056	-0.02056	-0.01248	0.01866
9	0.00128	-0.01512	-0.14614	-0.06187	0.00128	0.00128	-0.01564	-0.14436
10	-0.01096	0.03606	-0.10467	0.03717	-0.01096	-0.01096	0.05797	0.12444
11	-0.07522	0.0174	0.13296	-0.03609	-0.07522	-0.07522	-0.06532	-0.06376
12	-0.30176	-0.23468	0.01692	0.03955	-0.30176	-0.30176	0.07267	0.15906
13	0.00921	0.06189	-0.01846	0.11409	0.00921	0.00921	-0.11356	-0.18572
14	-0.17166	0.09023	0.06994	0.15419	-0.17166	-0.17166	0.09062	-0.03115
15	-0.0145	0.15951	0.00893	0.18764	0.01785	0.01785	0.01073	-0.08539
16	-0.04233	-0.03225	-0.04233	-0.20471	0.1085	-0.04233	0.02358	0.02549
17	-0.02836	-0.10727	0.03121	-0.08074	-0.02836	-0.06227	-0.06227	-0.06799
18	-0.02511	-0.04023	0.10406	0.00277	-0.02511	-0.02511	0.13495	-0.00428
19	-0.05831	-0.00907	-0.06168	-0.13651	-0.05831	-0.05831	0.05104	-0.0507
20	-0.00928	-0.00928	-0.08549	0.06377	-0.00928	-0.00928	-0.06844	0.20159
21	0.01186	-0.14051	-0.16705	-0.07101	0.01186	0.01186	0.01186	-0.00159
22	0.1111	0.00079	0.04637	0.0462	0.1111	0.1111	0.01282	-0.01278
23	0.14739	-0.19492	0.10181	0.11263	0.05038	0.05038	0.01057	-0.13102
24	0.05087	0.05087	0.19779	-0.1653	0.05087	0.05087	-0.13114	0.03217
25	0.19901	0.01345	-0.01508	0.02558	0.19901	0.19901	-0.07822	0.00615
26	-0.07241	-0.02176	-0.02972	-0.05482	-0.07241	0.11525	0.06302	0.07821
27	0.07502	0.10336	-0.13268	0.07502	0.07502	0.07502	0.0807	-0.11892
28	-0.01306	-0.09911	-0.10704	0.08393	-0.20207	-0.20207	0.04046	-0.09195
29	0.20576	0.06028	0.03707	0.20576	0.20576	0.20576	-0.17513	0.20576
30	-0.03108	-0.04583	0.01354	-0.04937	0.01354	0.01354	0.16264	0.11286
31	-0.0199	0.15521	0.06206	-0.00096	-0.0199	-0.01784	-0.06331	0.14292
32	-0.04334	0.06926	-0.06308	-0.16094	-0.04334	-0.04334	0.21533	0.01892
33	-0.04917	-0.05264	-0.05147	-0.10328	-0.04917	-0.04917	-0.01526	-0.17194
34	0.0328	0.0328	0.1037	-0.03238	0.0328	0.0328	0.11547	0.09311
35	0.06769	0.20073	0.15074	0.2373	0.06769	0.06769	0.02777	0.06769
36	0.1226	-0.12185	0.07668	-0.11774	0.1226	0.1226	-0.04991	0.04422
37	-0.01742	0.12715	-0.0927	0.08426	-0.01742	-0.01742	-0.09702	-0.06956
38	-0.08387	0.05042	0.01901	0.13852	-0.08958	-0.08958	-0.0285	-0.02673
39	0.16284	-0.07301	-0.01027	0.16284	0.16284	0.16284	0.16284	0.06609
40	0.14592	-0.01038	0.00778	0.00803	0.07161	0.07161	0.10082	-0.05707
41	0.11333	-0.04313	0.00214	0.002	0.11333	0.11333	-0.11198	-0.09199
42	0.12611	-0.13269	0.12566	-0.13803	0.12566	0.12566	-0.13067	-0.05537

43	-0.00905	-0.10842	-0.25104	-0.03735	-0.00905	-0.00905	0.01491	0.00239
44	-0.10218	-0.08125	-0.01846	0.08401	-0.10218	-0.10218	0.02585	0.138
45	-0.01785	0.01893	0.24973	-0.06323	0.08952	-0.01785	-0.01785	0.03857
46	0.01292	-0.191	-0.0379	-0.07743	-0.191	-0.191	-0.00239	0.17854
47	-0.11572	0.05633	0.06003	-0.10084	-0.11572	-0.11572	0.14815	0.10586
48	0.02457	-0.20719	-0.06341	0.14718	0.13329	-0.01547	0.09264	-0.11817
49	-0.06844	0.13258	-0.01206	-0.02507	-0.11512	-0.11512	0.06558	0.10042
50	-0.02818	0.04739	0.09181	0.18274	-0.02818	-0.02818	0.00212	-0.19654
51	-0.03908	0.2895	-0.10427	-0.10628	-0.05677	-0.05677	0.19202	-0.0805
52	-0.10249	-0.02063	0.07668	-0.00451	-0.10249	0.04288	-0.30567	-0.01859
53	0.08162	0.03748	0.09313	-0.04491	0.08162	0.09313	0.07758	-0.00882
54	0.09028	-0.09625	-0.08964	-0.16466	0.09028	0.0058	0.12142	0.0664
55	0.03536	-0.0114	-0.13589	0.02892	0.03536	0.03536	-0.0158	0.02361
56	-0.00709	-0.03719	-0.00709	0.04395	0.10702	-0.00709	-0.061	-0.03005
57	-0.04827	0.00381	0.11487	0.01268	-0.04864	-0.04864	-0.07429	0.06768
58	0.01207	0.10919	-0.03896	0.05687	0.01207	0.01207	-0.05183	0.03113
59	-0.12673	0.08457	0.14127	0.09164	-0.03085	-0.03085	-0.03705	-0.03869
60	0.07029	-0.05318	0.01507	0.12059	0.07029	0.07029	0.04625	-0.14124
61	-0.22316	0.14205	0.00143	0.00329	-0.22316	-0.22316	0.06574	0.39161
62	0.10005	-0.02085	0.02763	-0.07733	0.10005	0.10005	0.21546	0.05435
63	0.10271	0.03538	-0.17927	-0.06404	0.10271	0.10271	-0.05057	-0.15828
64	0.03488	-0.03755	0.03488	0.03488	0.03488	0.03488	-0.00864	-0.03946
65	-0.12898	-0.18085	0.06745	-0.01223	-0.12898	-0.12898	0.15216	-0.02201
66	0.2189	0.07746	0.15104	0.04809	0.04407	-0.13733	-0.15874	0.0707
67	-0.04094	-0.00088	-0.14775	0.08048	-0.07174	-0.07174	-0.02961	-0.0325
68	-0.1147	0.00537	0.06135	-0.05146	-0.1147	-0.1147	0.11664	-0.09995
69	0.04625	-0.05021	0.04625	0.05531	0.04625	0.04625	-0.10119	0.02052
70	0.06868	-0.11577	-0.0365	0.17411	0.06868	0.06868	-0.06296	0.03781
71	-0.09643	-0.06571	0.10258	-0.18187	-0.09643	-0.09643	0.08933	0.01253
72	-0.03224	-0.07894	0.03956	0.09836	-0.03224	0.0741	0.01426	-0.10618
73	-0.10092	-0.14549	-0.08251	0.02325	-0.28131	-0.28131	0.04191	-0.28131
74	0.1749	-0.10324	-0.01186	0.12679	0.1749	0.1749	-0.11449	-0.06961
75	-0.17282	0.11219	0.21138	-0.13117	-0.06901	-0.17282	0.03181	-0.00328
76	0.05388	0.02026	-0.08424	0.13827	0.05388	0.05388	0.05388	-0.05499
77	0.0643	0.21517	0.02218	0.02937	0.0643	0.0643	0.00609	0.16165
78	0.13319	0.04329	-0.05524	0.13319	0.13319	0.13319	0.07636	-0.18194
79	-0.03124	0.06161	-0.10957	-0.01831	-0.03124	-0.03124	-0.07047	0.08877
80	0.02807	0.09131	-0.05166	-0.03333	0.02807	-0.01998	-0.0247	0.11589
81	-0.07435	-0.06826	-0.07435	0.03968	-0.05829	-0.07435	0.05063	-0.03662
82	0.01944	-0.13208	0.01944	0.05509	0.01944	0.01944	0.00884	-0.08331
83	-0.20692	-0.18776	0.02412	-0.20692	-0.0371	-0.20692	0.08504	0.09867
84	-0.06464	0.14041	0.02599	-0.05788	0.14973	-0.06464	0.05282	-0.06464
85	0.15976	0.01156	0.21047	-0.0071	0.15976	0.15976	-0.10852	-0.19189
86	-0.13236	-0.10032	0.08984	0.16211	-0.13236	0.08984	-0.14377	0.15663
87	0.0465	0.02659	-0.03882	0.0465	0.0465	0.0465	-0.06513	-0.13942
88	0.08923	-0.11969	-0.07055	0.0976	0.08923	0.08923	0.03499	0.07919
89	0.07279	0.04453	0.10325	-0.15662	0.07279	0.07279	0.07279	0.06261
90	0.04109	-0.04821	0.13741	0.19913	-0.1489	0.04109	0.04109	-0.04873
91	-0.03699	0.16471	-0.19786	0.00301	-0.03699	0.05135	-0.02088	0.00454
92	-0.02897	0.10283	0.01737	0.01577	0.01737	0.01737	0.02021	0.10886
93	-0.00256	0.05731	0.01213	-0.04816	-0.00256	-0.00256	-0.18002	0.03544
94	-0.11324	0.01972	-0.0311	-0.037	0.05786	-0.12516	-0.0796	0.20334
95	0.07953	-0.05743	0.07953	0.07167	0.07953	0.07953	-0.00037	0.04444
96	-0.1744	-0.02727	0.06697	-0.11521	-0.1744	-0.1744	-0.0417	-0.05872
97	-0.1018	0.08075	0.11586	0.03814	-0.1018	-0.1018	-0.02982	-0.11963



	98	0.03779	-0.00088	0.0474	-0.07577	0.03779	0.01704	0.01704	-0.01596
	99	0.00264	-0.01663	0.07855	-0.09113	0.06987	0.06987	0.11684	-0.10035
	100	0.01418	0.11854	-0.00704	0.01418	0.01418	0.01418	0.15076	-0.00302
2024	1	0.02566	-0.02771	0.01689	-0.04474	0.02566	0.02566	0.02566	0.08407
	2	-0.03146	0.03681	-0.10459	0.09783	-0.04904	-0.03146	0.0597	-0.01959
	3	-0.01666	0.06913	-0.05114	-0.00735	-0.0638	0.05556	-0.04307	0.15353
	4	0.00282	-0.06054	0.00282	0.05499	0.00282	0.00282	0.12418	-0.25642
	5	-0.10908	-0.12655	-0.0285	-0.07543	-0.10908	-0.10908	-0.10908	-0.0997
	6	0.1019	-0.00746	0.11479	0.1019	-0.0176	0.1019	0.16854	0.20284
	7	0.12465	0.13728	0.02711	-0.09455	0.12465	0.12465	-0.05262	0.01103
	8	-0.05714	-0.19809	0.07508	0.08359	-0.05714	-0.05714	0.01639	0.09066
	9	0.00128	-0.0937	-0.00339	-0.10454	0.10178	0.10178	0.00449	-0.05578
	10	0.05269	-0.14371	0.1444	0.0179	0.05269	0.05269	-0.11466	-0.04005
	11	-0.06035	-0.05076	-0.08484	-0.06035	-0.06035	-0.06035	-0.01886	0.0407
	12	0.08287	-0.07614	-0.20026	-0.05642	0.01023	0.01023	-0.03517	-0.02744
	13	0.00921	0.10697	-0.01973	0.18144	0.00921	0.00921	-0.1366	0.03201
	14	-0.17166	0.02373	-0.06456	-0.23188	-0.17166	-0.17166	0.03115	0.01524
	15	-0.0145	0.06663	0.00082	-0.03599	-0.03711	0.24534	-0.18806	-0.00868
	16	0.09057	0.17607	0.16478	0.04892	0.03147	0.03147	0.07476	0.0583
	17	-0.02836	0.00548	0.05501	-0.15291	-0.02836	-0.02836	0.08542	-0.15497
	18	-0.02511	0.08946	0.08955	0.10482	0.07576	0.07576	-0.08893	-0.105
	19	-0.05831	0.04732	-0.15431	0.15651	-0.05831	-0.05831	0.03855	0.11436
	20	-0.00928	-0.01873	0.03867	-0.01927	-0.00928	-0.00928	-0.00928	-0.06758
	21	-0.00082	0.04498	-0.09237	0.11078	-0.00082	-0.00082	0.0096	0.25407
	22	0.1111	0.1111	-0.04274	-0.10331	0.1111	0.1111	0.1111	-0.10081
	23	0.0335	-0.06044	-0.00821	0.14527	-0.07357	-0.07357	-0.04122	0.04434
	24	0.15398	0.11993	0.13291	-0.01474	0.02808	0.02808	0.11719	-0.14695
	25	0.19901	0.02018	0.20651	-0.14753	0.19901	0.19901	0.06078	0.19901
	26	-0.07241	0.03313	-0.05253	0.03287	-0.07241	-0.07241	-0.03739	-0.01783
	27	0.07502	0.00702	-0.02026	0.00167	0.07502	-0.06609	0.01565	-0.12485
	28	-0.01306	-0.00966	0.10939	-0.12441	-0.01306	-0.01306	0.13052	-0.01215
	29	0.20576	0.06583	0.00666	0.0516	0.20576	0.05913	-0.10635	-0.04189
	30	-0.03108	-0.09172	-0.11898	-0.00931	-0.03108	-0.03108	-0.08253	0.05678
	31	0.08545	0.1001	0.04755	0.09812	-0.0314	-0.0314	-0.08682	-0.06387
	32	0.11605	-0.14095	0.07719	0.01786	0.11605	0.11605	0.03498	0.10731
	33	0.07693	0.07968	-0.17411	-0.06085	0.11858	0.11858	-0.15634	0.086
	34	0.0328	-0.11318	0.10125	0.21384	0.0807	0.0807	-0.01115	-0.0301
	35	0.06769	-0.24285	-0.08392	-0.08411	0.06769	0.06769	0.04086	-0.18507
	36	0.1226	-0.01594	-0.03657	-0.03094	0.0431	0.0431	0.0431	0.06808
	37	-0.01894	-0.03454	-0.14406	-0.04684	-0.01894	-0.01894	0.17885	0.02779
	38	-0.08387	-0.08243	0.02294	0.07566	-0.08387	-0.08387	-0.16889	0.00031
	39	-0.02995	0.21121	0.02792	-0.21763	-0.02995	-0.02995	0.08578	-0.071
	40	0.14592	-0.00646	0.05602	0.06354	0.01129	-0.00646	-0.02164	0.01718
	41	0.11333	-0.04335	0.1552	-0.09124	-0.05707	0.1552	0.1552	-0.03446
	42	0.12611	0.06343	-0.00068	-0.00722	0.12611	0.12611	0.0536	-0.12424
	43	-0.04718	-0.07925	-0.23663	0.13775	-0.04718	-0.04718	-0.04598	0.06695
	44	0.10797	0.08115	-0.13079	-0.06412	0.10797	0.10797	0.00693	0.16125
	45	-0.0886	0.13562	0.07763	-0.03222	0.04702	0.04702	-0.05581	0.04702
	46	0.01292	-0.18478	0.01292	-0.04889	0.01292	0.01292	-0.0127	0.09813
	47	-0.11572	-0.10715	0.18494	-0.11583	-0.11572	-0.11572	0.08223	-0.11572
	48	0.02457	-0.01533	0.02457	0.10192	0.02457	0.02457	-0.17594	0.02167
	49	0.08771	-0.06302	0.13758	0.03063	-0.02953	-0.02953	0.15098	-0.08477
	50	-0.02818	-0.13258	0.10202	0.01834	-0.06105	-0.13258	0.10442	0.0298
	51	-0.03908	0.02016	0.00908	-0.03908	-0.03908	-0.03908	-0.10731	0.04953
	52	-0.10249	0.10858	-0.10249	0.1078	-0.10249	-0.10249	0.03795	-0.17773

53	0.0226	-0.10191	0.02508	0.12165	0.12165	0.12165	0.04504	-0.06733	
54	0.09028	-0.03114	-0.07259	0.05421	-0.19697	-0.19697	-0.03369	0.10607	
55	-0.00369	0.10012	0.03505	-0.07738	-0.00369	-0.00369	-0.07534	0.08207	
56	-0.00709	0.04777	0.05654	-0.17201	0.00436	-0.00709	0.18898	0.20395	
57	-0.04827	-0.04827	-0.05253	0.08286	-0.04827	-0.04827	0.09675	0.00571	
58	0.01207	-0.14126	0.11678	0.00018	-0.0162	-0.24781	-0.14971	-0.01823	
59	-0.12673	-0.00756	-0.09154	-0.13457	-0.12673	-0.12673	-0.00907	-0.00173	
60	-0.14638	0.02901	-0.0189	-0.14638	-0.14638	-0.14638	-0.14638	-0.14092	
61	-0.22316	0.07292	0.00685	0.04441	0.02297	0.08078	0.34591	-0.04903	
62	0.10005	-0.03912	-0.17988	0.14378	-0.02282	0.00299	0.03117	0.04493	
63	-0.10491	-0.00855	0.04419	0.00837	-0.10491	-0.13203	-0.1091	-0.13203	
64	0.03488	0.14868	0.07892	0.12172	0.03488	0.03488	0.00141	0.0251	
65	-0.02129	0.02219	-0.03687	-0.02129	0.00442	-0.02129	-0.03601	-0.06457	
66	0.2189	0.04653	-0.01672	-0.14937	-0.04148	-0.06425	0.0916	-0.27933	
67	-0.04094	0.10195	-0.08479	-0.04192	0.0278	0.0278	-0.03887	-0.0846	
68	-0.1147	0.12497	-0.04642	-0.09953	-0.1147	-0.1147	-0.16512	-0.03381	
69	0.04625	0.00438	0.06114	0.18263	-0.0577	0.05301	0.12633	-0.13589	
70	0.06868	0.03091	-0.08086	0.01394	0.01394	0.01394	0.01394	-0.11667	
71	-0.09643	-0.08296	0.14696	-0.07745	0.10996	0.10996	0.10996	0.08782	
72	-0.03224	-0.18685	-0.05859	-0.02416	0.04999	0.04999	0.04999	-0.01204	
73	-0.10092	-0.16439	0.17333	0.01259	-0.10092	-0.10092	-0.09857	0.01078	
74	0.1749	0.06643	0.01811	0.1749	0.1749	0.1749	0.01523	0.13998	
75	-0.17282	-0.10152	-0.11184	-0.093	-0.093	-0.093	-0.01494	0.06982	
76	0.05388	-0.06624	0.10623	-0.11838	0.05388	0.05388	-0.06354	0.12755	
77	0.18876	-0.03128	-0.00584	0.05432	0.07237	0.18876	-0.00867	0.19924	
78	0.13319	0.17065	-0.12885	0.13319	0.13319	0.13319	-0.07543	-0.0238	
79	-0.03124	-0.02474	-0.03124	0.07344	-0.03124	-0.03124	-0.03124	-0.06851	
80	0.02807	-0.12006	0.03758	-0.05366	0.02807	0.02807	0.07028	0.03434	
81	-0.07435	-0.03112	-0.1506	0.0638	-0.07435	-0.07435	-0.08615	-0.07235	
82	0.01944	0.06761	-0.16325	0.00035	-0.16325	-0.16325	-0.15112	-0.16325	
83	-0.20692	0.19898	0.03413	0.08864	-0.20692	-0.20692	0.04302	-0.20692	
84	-0.06464	0.08537	-0.12299	-0.02816	-0.06464	-0.06464	0.05809	-0.09848	
85	0.15976	-0.10408	0.13039	-0.0842	0.13039	0.13039	-0.07822	-0.0442	
86	-0.13236	-0.01641	0.05312	-0.10574	-0.13236	-0.13236	0.13008	0.06063	
87	0.0465	-0.14448	-0.06443	0.12452	0.0465	0.0465	0.0465	-0.20369	
88	0.08923	0.00602	-0.24306	0.01744	0.08923	0.08923	-0.03466	-0.05396	
89	0.07279	-0.10292	0.11172	0.18591	0.07279	0.07279	0.11018	0.04892	
90	0.04109	0.1278	0.1308	0.04109	0.04109	0.04109	-0.06103	0.16656	
91	-0.03699	-0.04746	-0.08431	-0.00783	-0.32811	-0.32811	-0.05051	-0.02649	
92	-0.02897	0.0514	-0.02359	-0.02897	-0.02897	-0.02897	-0.02897	0.08847	
93	-0.00256	-0.16568	-0.04264	0.04152	-0.00256	-0.00256	-0.00564	0.01613	
94	-0.11324	-0.0751	0.00128	-0.16574	0.00128	0.00128	0.01737	0.07845	
95	0.07953	0.03128	-0.0258	-0.07152	0.07953	0.07953	0.0101	0.00142	
96	0.06098	-0.05372	0.02248	-0.10897	0.01621	-0.10897	0.0262	-0.01467	
97	-0.1018	0.14648	-0.07409	-0.04678	-0.1018	-0.1018	0.21261	-0.10772	
98	0.09354	0.0129	0.04858	-0.06742	0.09354	0.09354	0.08358	0.15926	
99	0.00264	-0.0014	0.01018	0.08315	0.00264	0.00264	0.09953	0.10916	
100	0.01418	0.05366	-0.01158	-0.16359	0.18579	-0.01223	-0.16861	0.03142	
2025	1	-0.08185	-0.0185	-0.13308	0.05263	-0.08185	-0.08185	-0.16103	0.16515
	2	-0.03146	-0.0616	-0.03003	-0.17626	-0.1201	-0.1201	0.03851	0.07942
	3	-0.01666	0.04486	-0.05583	-0.09918	-0.01666	-0.01666	0.02263	-0.01666
	4	-0.11536	0.02028	0.14478	0.03669	-0.11536	-0.11536	-0.11536	-0.10035
	5	-0.10908	-0.28373	-0.0399	0.04362	-0.0399	-0.0399	-0.01676	-0.0399
	6	0.1019	-0.10841	-0.07363	0.08441	0.00753	0.1019	-0.08219	-0.03637
	7	0.12465	0.10471	-0.08902	-0.06057	0.12465	0.12465	-0.06462	-0.14814

8	-0.09819	-0.04657	0.09935	0.17422	-0.09819	-0.16678	-0.09512	-0.00888
9	0.00128	0.00899	0.03095	-0.10678	0.00128	0.00128	-0.124	-0.11096
10	0.05269	0.03121	0.05741	-0.01618	0.03189	0.05269	0.06035	-0.05638
11	-0.06035	-0.1417	-0.21401	-0.1316	-0.19761	-0.19761	0.14198	-0.01318
12	0.03608	-0.00554	-0.04425	0.11199	0.03608	0.03608	0.12378	0.11641
13	0.00921	-0.07204	-0.12231	0.00921	0.01974	0.00921	-0.23824	0.12892
14	-0.17166	-0.15275	0.17415	-0.00236	-0.17166	-0.15275	0.17012	-0.21424
15	-0.0145	0.08285	0.04024	-0.03271	-0.20744	0.09903	-0.03181	-0.05085
16	0.09057	0.05777	-0.01278	-0.07958	-0.00502	-0.07171	0.0399	0.09862
17	-0.02836	-0.03806	-8E-05	0.00981	0.21073	0.21073	-0.0511	-0.081
18	0.00799	0.14812	0.00236	0.07953	0.00799	0.00799	0.00053	0.05276
19	-0.05831	-0.09003	0.11373	-0.05831	-0.05831	-0.05831	0.07556	0.03245
20	-0.00928	0.19004	0.01868	0.13159	-0.00928	-0.00928	0.09456	0.02389
21	-0.00082	-0.00026	0.02844	-0.06159	-0.00082	-0.00082	-0.06128	-0.02146
22	0.04157	0.06976	0.00459	-0.01934	0.04157	0.04157	0.10619	0.01876
23	0.00905	-0.21944	0.07265	-0.05053	0.00905	0.0297	-0.03965	0.2125
24	0.15398	-0.03417	0.06121	-0.21891	-0.17576	-0.17576	-0.03254	0.11523
25	0.19901	0.09611	-0.02846	-0.03625	0.19901	0.19901	-0.07223	-0.21186
26	-0.07241	0.05013	-0.08248	0.0114	-0.07241	-0.07241	-0.17357	0.1386
27	0.07502	-0.06028	0.01708	0.02825	0.07502	0.07502	0.07502	-0.01185
28	-0.01306	0.03683	-0.24853	0.08341	-0.01306	-0.01306	-0.01306	-0.08748
29	0.20576	0.05474	-0.10042	0.05516	0.20576	0.20576	0.03673	0.06729
30	-0.03108	-0.03108	-0.00853	0.15228	-0.03108	-0.03108	-0.11804	0.04858
31	0.08545	-0.12951	0.22698	0.10095	0.08545	0.08545	0.08545	-0.11587
32	0.11605	-0.09323	0.11689	-0.00218	-0.09323	-0.09323	-0.15382	0.10069
33	0.07693	0.16523	-0.06397	0.23067	0.07693	0.07693	-0.02198	0.03743
34	0.0328	-0.11297	0.04316	0.0328	0.0328	0.0328	-0.09576	0.07879
35	0.06769	0.06769	0.15425	-0.12154	0.06769	0.06769	0.14014	-0.07809
36	0.1226	0.0253	-0.01791	0.04381	0.1226	0.1226	0.07629	0.1226
37	-0.01894	-0.09674	0.08776	-0.14534	0.10424	0.10424	0.00528	-0.04096
38	-0.08387	-0.04379	-0.14832	-0.08387	0.02101	-0.08387	0.09052	-0.12825
39	-0.02995	0.10403	-0.11958	-0.08476	0.02828	0.02828	0.0398	-0.03322
40	0.14592	0.15123	-0.04624	-0.07112	0.14592	0.14592	-0.00144	0.00559
41	0.11333	0.22347	0.06692	0.03943	0.11333	0.11333	0.00059	-0.13084
42	0.12611	-0.15413	0.04417	0.01039	0.01039	0.01039	0.03976	-0.07778
43	-0.04718	0.17292	-0.03591	-0.18449	0.17292	0.17292	-0.11841	0.02281
44	0.10797	0.03584	0.10797	-0.15735	0.10797	0.10797	-0.16785	-0.08449
45	0.01064	0.09686	-0.04799	-0.0665	-0.01894	0.01064	0.06135	0.03245
46	0.01292	0.05676	0.02222	0.01929	0.11833	0.11833	0.10075	0.0564
47	0.03392	-0.08334	-0.07651	-0.02351	0.02766	-0.11508	-0.11508	0.00595
48	0.02457	0.11459	0.09732	-0.1066	0.02457	0.02457	0.03033	-0.11418
49	0.08771	-0.05771	0.08771	0.0088	0.08771	0.08771	-0.01646	-0.33379
50	-0.02818	-0.09162	-0.13082	0.108	0.04542	0.04542	-0.03248	0.1307
51	-0.03908	0.01852	-0.01075	-0.09442	0.05535	-0.04215	0.07133	0.04341
52	-0.10249	0.04632	0.13954	0.29641	0.09562	0.09562	-0.04955	-0.02377
53	0.0226	-0.00321	-0.06632	-0.05032	0.0226	0.0226	0.01855	-0.04929
54	0.09028	-0.16888	-0.04447	0.05983	-0.04447	-0.04447	0.12837	-0.00995
55	-0.00369	-0.11126	0.10495	0.07449	-0.16522	-0.16522	0.11076	-0.03193
56	-0.00709	0.07739	-0.11175	-0.00709	-0.00709	-0.00709	-0.09259	-0.05691
57	-0.04827	-0.04638	0.07409	0.09091	-0.05278	-0.05278	-0.06265	0.0716
58	0.01207	0.01207	0.03749	-0.0692	0.01207	0.01207	-0.07034	0.08738
59	-0.12673	0.13053	0.01109	0.16043	0.03543	0.03543	-0.13994	0.11534
60	-0.14638	0.00961	-0.19037	-0.14638	-0.14638	-0.14638	0.18711	-0.14638
61	-0.05373	-0.05486	0.12852	0.14652	0.03229	0.14652	-0.10335	0.14652
62	-0.04821	0.02069	-0.07096	0.10361	-0.04821	-0.04821	0.22107	-0.11836

63	-0.10491	0.00114	-0.03567	0.08047	-0.10491	-0.0613	0.06474	0.05049	
64	0.03488	0.03512	-0.20997	-0.26806	0.03488	0.03488	-0.15693	-0.05824	
65	-0.02129	-0.07384	-0.01883	-0.00836	-0.02129	-0.02129	0.12168	0.12061	
66	0.2189	0.05218	0.2189	-0.08904	0.2189	0.2189	0.0814	-0.18993	
67	-0.04094	0.08093	0.05642	0.16791	0.05286	-0.04094	0.00704	-0.01852	
68	0.1709	-0.20203	0.03404	0.06348	-0.06588	-0.06588	-0.01889	0.20432	
69	0.04625	0.04625	0.07336	0.02766	0.04625	0.04625	-0.05267	0.05611	
70	0.06868	-0.13904	-0.05052	-0.04767	0.04973	0.04973	0.04606	0.01972	
71	-0.09643	-0.05004	0.18129	-0.07517	0.12343	0.12343	-0.18884	0.02804	
72	-0.03224	-0.0185	0.02017	-0.02264	0.05785	0.05785	-0.00727	0.05785	
73	0.00847	0.05927	0.08711	0.01724	0.00847	0.00847	-0.03444	-0.0748	
74	0.03243	-0.10398	-0.00828	0.04352	-0.03231	-0.03231	0.16213	-0.04404	
75	-0.17282	0.25951	-0.05342	-0.03047	-0.00359	-0.00359	-0.00359	-0.10362	
76	0.05388	0.05388	-0.09845	0.14165	0.01426	0.05388	-0.04155	0.06962	
77	0.18876	-0.03435	0.1126	0.00853	0.18876	0.18876	0.01574	-0.14951	
78	0.07368	-0.00597	-0.10722	-0.11072	0.07368	0.07368	0.02717	0.08533	
79	-0.03124	-0.09352	0.04481	0.12182	-0.03124	-0.03124	0.08693	-0.00782	
80	-0.08002	0.14699	0.0071	-0.13948	-0.08002	-0.08002	-0.07911	0.14698	
81	-0.07435	0.08852	-0.00778	-0.00753	-0.07435	-0.07435	0.02924	0.05361	
82	0.01944	0.01944	0.08553	0.06776	-0.04231	0.01944	-0.02284	0.02997	
83	-0.20692	-0.1879	0.18683	-0.20692	-0.20692	-0.20692	-0.01007	0.0458	
84	-0.06464	0.14741	0.05131	0.05149	0.05131	0.05131	-0.04736	-0.05512	
85	0.15976	-0.1418	0.13512	0.15976	0.15976	0.15976	-0.189	0.15976	
86	-0.13236	-0.13236	-0.06235	-0.13236	0.09534	-0.13236	0.06372	-0.0233	
87	0.18938	-0.09355	0.18938	0.00859	0.21408	0.18938	0.01349	0.01428	
88	0.08923	0.08923	0.04822	0.06618	0.08923	0.08923	-0.03083	0.19393	
89	0.07279	0.04674	0.0668	-0.12697	0.07279	0.07279	-0.1493	-0.08412	
90	0.04109	-0.04629	-0.09501	-0.02705	0.04109	0.06223	-0.07558	0.09473	
91	-0.02908	0.08327	-0.03488	-0.14211	-0.02908	-0.02908	0.14641	-0.02908	
92	0.10709	-0.11884	-0.02296	0.01312	0.02513	0.02513	-0.05504	-0.00057	
93	-0.00256	-0.06831	0.02441	-0.0466	-0.00256	-0.00256	-0.00256	-0.00256	
94	-0.11324	-0.02311	-0.13371	0.27777	-0.11324	-0.11324	0.12136	-0.03754	
95	0.07953	0.07953	-0.11659	-0.19499	0.07953	0.07953	-0.1021	-0.11718	
96	0.06098	0.01956	-0.16867	-0.07649	0.02671	0.02671	0.03861	0.10664	
97	0.1346	0.0665	0.00078	-0.08783	0.1346	0.1346	0.07526	-0.13827	
98	0.09354	0.09354	0.03536	0.13605	0.09354	0.09354	0.00282	0.079	
99	0.00264	-0.00999	0.0758	-0.0608	-0.00999	-0.00999	0.08771	-0.0952	
100	0.01418	0.00229	-0.07659	0.03348	0.01418	0.01418	-0.12643	-0.21543	
2026	1	-0.08185	0.05259	-0.24928	-0.21405	-0.08185	-0.08185	0.00752	-0.08185
	2	-0.03146	-0.03146	0.02283	0.01715	-0.03146	-0.03146	0.07871	-0.06962
	3	-0.19769	-0.06058	-0.01758	0.04037	-0.19769	-0.19769	0.05239	0.15544
	4	-0.11536	-0.04321	0.11263	-0.11536	-0.11536	-0.11536	0.13148	0.21394
	5	-0.10908	-0.1674	-0.05538	-0.14094	-0.10908	-0.10908	-0.06702	-0.06535
	6	0.1019	0.02819	0.0534	0.14847	0.1019	0.14847	0.14847	0.0986
	7	0.12465	-0.03222	0.13469	-0.00884	0.12465	0.12465	0.03263	0.11772
	8	-0.09819	0.11929	-0.12471	-0.02339	-0.09819	-0.09819	0.18696	-0.16128
	9	0.00128	-0.00354	-0.05238	-0.07073	0.00128	0.00128	0.0606	0.04458
	10	-0.07343	0.01805	-0.06929	-0.02967	-0.14389	-0.14389	-0.00661	-0.22266
	11	-0.06035	0.08192	0.07718	0.0022	-0.097	-0.06035	-0.10784	-0.11645
	12	0.03608	0.16855	-0.01161	0.03513	0.03608	0.03608	-0.05224	-0.00588
	13	0.00921	0.00669	0.03097	-0.11585	0.00921	0.00921	-0.24708	0.00567
	14	-0.17166	-0.13206	0.09356	-0.17166	-0.17166	-0.17166	-0.1438	-0.03052
	15	-0.0145	-0.08394	-0.10045	0.12525	-0.0145	0.04084	-0.02565	0.0758
	16	0.09057	0.09056	-0.1314	-0.06411	-0.00043	-0.00043	0.11371	0.0634
	17	-0.02836	-0.10429	0.18899	0.10141	-0.02836	-0.02836	-0.02836	-0.01328

18	0.00799	-0.01571	-0.03839	0.06581	0.00799	0.00799	0.08426	0.01438
19	-0.05831	-0.0941	0.04486	0.08226	-0.05831	-0.05831	-0.08934	-0.05831
20	-0.00928	0.04181	0.00781	-0.05169	-0.02151	-0.02151	-0.01426	-0.094
21	-0.00082	-0.03949	-0.20481	0.28938	-0.10407	-0.10407	-0.14056	-0.15083
22	0.07259	0.03013	0.10813	-0.251	0.07259	0.07259	-0.12376	-0.01797
23	0.00905	-0.12545	-0.07714	0.10274	0.00905	-0.12545	-0.02799	0.20819
24	0.15398	0.13354	-0.03191	0.02265	0.02265	0.02265	-0.1793	0.00238
25	0.19901	-0.17136	-0.0641	-0.03791	0.19901	0.19901	-0.02243	0.09517
26	-0.09293	0.07277	0.07088	-0.13427	-0.09293	-0.09293	0.04107	0.01613
27	0.07502	0.10627	-0.10194	-0.01804	0.07502	0.07502	0.06069	-0.02566
28	-0.01306	0.05828	0.01718	0.06532	-0.01306	-0.01306	-0.07474	0.07081
29	0.20576	-0.08075	0.1597	-0.06483	0.20576	0.20576	-0.01222	0.02603
30	-0.03108	-0.14428	-0.0392	-0.06932	-0.03108	-0.03108	0.00848	-0.07754
31	0.08545	-0.12741	0.08545	0.13207	0.08705	0.08545	0.1198	0.08545
32	0.11605	-0.09724	0.05799	0.11668	0.11605	0.11605	-0.05161	-0.01117
33	0.07693	0.04269	-0.14001	0.0334	0.00844	0.07693	0.02161	0.04774
34	0.0328	0.01445	-0.00049	0.01146	0.0328	0.0328	-0.06073	-0.10208
35	0.06769	0.00806	0.08907	-0.12483	0.06769	0.06769	0.06769	0.12406
36	0.1226	-0.02706	-0.01913	-0.0088	0.1226	0.1226	0.16424	0.05258
37	-0.01894	-0.0847	0.04006	-0.0847	0.12771	-0.0847	0.03664	-0.05839
38	0.02289	-0.01652	0.00149	-0.05226	0.02289	0.02289	-0.09496	0.14253
39	-0.02995	0.28245	0.16775	0.05175	-0.02995	-0.02995	0.07517	-0.20432
40	0.14592	-0.05534	-0.11794	0.02504	0.14592	0.14592	0.17246	-0.04428
41	0.11333	-0.16606	-0.05528	-0.0161	0.11333	0.11333	-0.05655	0.03576
42	0.12611	0.07599	0.07932	-0.05667	-0.04977	0.12611	0.12611	0.0554
43	-0.04718	-0.20766	0.12613	0.06414	-0.04718	-0.20766	0.06302	-0.14507
44	0.10797	-0.06486	0.09273	-0.17059	0.10797	0.10797	0.02881	0.11758
45	0.01064	-0.04429	-0.02652	-0.09397	0.01064	0.01064	0.08906	-0.1213
46	-0.08811	0.03429	-0.06955	0.07385	-0.08811	-0.08811	0.022	-0.1001
47	0.03392	0.04813	-0.01869	-0.04283	0.03392	0.03392	0.11766	-0.00339
48	0.02457	0.13032	0.00816	0.09505	0.02457	0.02457	0.00593	-0.04299
49	0.08771	0.01838	0.08771	0.08771	0.08771	0.08771	-0.07608	0.14371
50	-0.02818	0.11384	0.05922	0.02708	-0.02818	-0.02818	-0.10642	-0.02796
51	-0.03908	-0.02167	-0.01191	0.14082	-0.03908	-0.03908	-0.01663	0.00125
52	-0.10249	-0.12681	-0.16044	-0.10249	-0.10249	-0.10249	-0.03033	-0.06496
53	0.0226	-0.00566	0.02018	0.0226	0.0226	0.0226	0.08039	0.09492
54	0.09028	0.05728	0.14203	0.18192	0.0013	0.09028	-0.23151	0.07354
55	-0.00369	0.23799	-0.00369	-0.15223	-0.00369	-0.00369	-0.00625	-0.06855
56	-0.00709	-0.16067	0.03178	-0.00709	-0.00709	-0.00709	0.16314	0.04309
57	0.00918	-0.07659	-0.05045	0.00918	0.00918	0.00918	-0.10126	-0.16618
58	0.01207	0.00847	-0.09611	-0.03569	0.01207	0.01207	0.01207	-0.01529
59	-0.12673	-0.12673	-0.11822	-0.10954	-0.12673	-0.12673	0.04068	0.01709
60	-0.14638	-0.10292	0.20832	-0.08322	-0.14638	-0.14638	-0.13756	0.18342
61	-0.08167	-0.08192	-0.07852	0.06127	-0.08167	-0.08167	0.01201	-0.00762
62	-0.04821	0.08074	0.07326	0.21543	-0.04821	-0.04821	-0.0143	0.0154
63	-0.10491	0.00083	0.10659	0.12806	0.0736	0.00083	-0.10805	-0.11915
64	0.10182	-0.02259	0.05096	0.13074	0.10182	0.08296	-0.19147	0.03912
65	-0.02129	0.19456	0.19193	-0.05698	0.12903	0.12903	0.12903	-0.03931
66	0.2189	0.2189	-0.01809	-0.01584	0.2189	0.2189	0.2189	0.05507
67	-0.04094	-0.04296	-0.0326	0.03918	-0.04094	0.0506	0.08703	-0.18794
68	0.1709	-0.02967	0.03354	0.02019	0.1709	0.1709	0.27802	-0.10288
69	0.04625	-0.09707	-0.11299	-0.24473	0.06308	-0.0298	-0.09673	-0.05402
70	0.06868	0.15929	0.06868	-0.02699	0.06868	0.06868	-0.0795	0.0314
71	0.12516	0.01125	-0.13609	0.01104	0.12516	0.12516	0.05142	-0.01803
72	-0.03224	-0.06674	0.00736	-0.03224	-0.03224	-0.03224	-0.05138	0.21505

73	0.00847	0.0382	0.0169	0.0361	-0.07346	-0.04186	0.05659	0.13075	
74	-0.06017	0.11528	0.08445	0.10086	-0.06017	-0.06017	0.07573	0.00068	
75	-0.17282	-0.02373	-0.00375	0.07562	-0.02373	-0.02373	0.01777	-0.15181	
76	0.05388	0.04127	-0.08802	-0.11571	0.05388	0.05388	-0.14143	0.05388	
77	0.18876	0.01773	-0.05762	-0.04865	0.18876	0.18876	0.14184	0.07845	
78	0.07368	-0.15469	-0.04478	-0.07609	0.07368	0.07368	-0.03441	-0.08181	
79	-0.03124	-0.289	0.12875	-0.0006	-0.03124	-0.03124	-0.03124	-0.02798	
80	-0.08002	-0.10689	0.05497	-0.09898	-0.08002	-0.08002	0.11156	0.09394	
81	-0.07435	-0.07713	-0.08484	-0.05831	-0.07435	-0.07435	-0.06258	0.17013	
82	0.01944	-0.06699	0.01944	-0.00694	-0.12009	0.01944	-0.01142	0.10102	
83	0.17427	0.07886	-0.07841	0.03307	-0.06505	0.17427	-0.14253	-0.2056	
84	-0.06464	0.01887	0.03622	0.05663	-0.06464	-0.06464	0.13929	0.03663	
85	0.15976	0.05237	-0.00286	0.06402	0.15976	0.06402	0.07668	-0.09169	
86	-0.13236	0.02888	-0.0181	-0.13236	-0.13236	-0.13236	0.2118	-0.13236	
87	0.18938	-0.1282	0.0155	0.11696	0.18938	0.18938	0.06216	0.0149	
88	0.08923	-0.01516	-0.17767	-0.14379	0.08923	0.08923	-0.0864	-0.03634	
89	0.07279	-0.17951	0.113	0.01739	0.07279	0.07279	0.04634	0.13375	
90	0.04109	-0.11646	-0.08306	0.08121	-0.08306	-0.08306	-0.07633	0.00118	
91	0.07985	0.25878	0.16309	-0.17113	0.07985	0.07985	0.08554	-0.02428	
92	0.10709	0.08989	-0.13334	-0.01278	-0.17977	-0.17977	0.11503	-0.06503	
93	-0.00256	-0.09927	0.06099	-0.07765	-0.00256	-0.00256	-0.04856	-0.05116	
94	-0.11324	-0.03125	-0.04028	-0.09207	-0.11324	-0.11324	-0.17415	-0.00471	
95	0.00629	0.15383	-0.06407	-0.02875	0.00629	0.00629	0.00634	-0.14912	
96	0.1515	0.00214	0.1515	0.25461	0.1515	0.1515	-0.02127	0.11643	
97	0.1346	0.12159	0.1346	0.09295	0.1346	0.1346	0.01625	0.06325	
98	0.09354	-0.04739	0.09354	0.01151	0.09354	0.09354	0.02857	0.07065	
99	0.00264	0.06178	0.08966	0.04982	0.08664	0.08664	-0.10837	0.08664	
100	-0.09348	-0.0124	0.08176	-0.11462	-0.09348	-0.09348	-0.0257	-0.09348	
2027	1	-0.08185	-0.15633	-0.0714	-0.05822	-0.08185	-0.08185	0.22218	-0.10049
	2	-0.03146	0.08152	-0.15619	0.08056	0.12811	-0.03146	0.01151	0.02918
	3	-0.19769	0.00684	-0.03142	0.00638	-0.19769	-0.19769	-0.10334	0.10448
	4	-0.11536	-0.01706	-0.04968	-0.03055	-0.11536	-0.11536	-0.03805	-0.11536
	5	-0.03477	-0.04654	-0.09857	0.03254	-0.03477	-0.03477	-0.01196	0.19675
	6	0.1019	0.14338	-0.0035	-0.24338	0.07702	0.07702	-0.17368	-0.01629
	7	0.12465	-0.06161	0.12465	0.04173	0.12465	0.12465	0.05772	0.14023
	8	-0.09819	-0.07751	0.21321	0.0581	-0.07397	-0.07397	0.14	-0.04714
	9	0.00128	0.00128	-0.12001	0.00128	0.00128	0.00128	0.03969	0.0221
	10	-0.07343	-0.10673	0.03787	0.21052	-0.07343	-0.07343	-0.02509	0.07137
	11	-0.06035	0.10148	0.01118	-0.0388	-0.06035	0.10148	-0.15168	-0.02753
	12	0.03608	0.09575	0.10989	-0.08048	-0.03077	-0.18734	-0.05803	0.08819
	13	0.00921	-0.12102	-0.12102	-0.14165	-0.12102	-0.12102	-0.12102	-0.19412
	14	-0.17166	-0.03374	-0.01663	-0.12175	-0.17166	-0.17166	0.09399	0.04696
	15	-0.0145	0.06537	-0.05679	-0.00997	-0.0145	-0.0145	-0.05005	0.01025
	16	0.09057	-0.16681	0.06349	-0.09474	-0.14122	-0.14122	-0.07225	-0.05943
	17	-0.02836	0.05186	-0.02836	-0.02	-0.02836	-0.02836	0.07616	0.05328
	18	0.00799	0.015	0.02253	0.01546	0.00799	0.00799	0.1178	-0.0064
	19	-0.05831	0.0371	0.0816	0.13718	-0.05831	-0.05831	0.01903	-0.1043
	20	-0.00928	0.10392	0.09756	0.10465	-0.00928	-0.00928	-0.11247	-0.13785
	21	-0.00082	-0.01954	0.04934	-0.02025	-0.00082	-0.00082	-0.02163	-0.00677
	22	0.07259	-0.01204	-0.24734	-0.02776	-0.06404	-0.01909	0.12317	-0.05189
	23	0.00905	-0.03952	-0.1309	0.05973	0.09968	0.09968	-0.04726	-0.01713
	24	0.15398	0.15398	-0.00751	0.03797	0.15398	0.15398	0.15398	0.00079
	25	0.19901	-0.11503	0.1501	0.2193	-0.11354	0.19901	0.1414	-0.15361
	26	-0.09293	-0.06245	-0.06299	-0.04274	-0.09293	-0.09293	-0.09293	-0.05325
	27	0.07502	-0.07042	0.07502	-0.10218	0.07502	0.07502	-0.24123	0.11704

28	-0.01306	0.04261	0.09612	0.02479	-0.01306	-0.01306	-0.02819	0.15034
29	0.20576	0.03319	0.06109	0.18045	0.20576	0.18045	0.09857	0.18045
30	-0.03108	0.00746	0.10775	-0.03108	-0.03108	-0.03108	0.00647	-0.09682
31	0.08545	-0.19351	0.17545	0.08545	0.08545	0.08545	-0.14108	0.02634
32	0.11605	-0.08994	0.08079	-0.17294	0.11605	0.11605	0.04701	0.04582
33	0.07693	-0.13205	-0.04121	0.08387	0.07693	-0.09649	-0.06853	-0.09649
34	0.0328	0.10535	0.01448	0.08621	0.1649	0.1649	0.01294	0.02096
35	0.06769	0.06769	-0.07947	0.04487	0.06769	0.06769	-0.08657	0.06769
36	0.1226	0.16953	-0.03394	-0.13612	0.1226	0.1226	-0.0536	-0.17865
37	-0.05493	0.08653	-0.01727	-0.11639	-0.05493	-0.05493	-0.11086	0.19319
38	-0.04176	0.05827	0.02569	-0.04176	-0.04176	-0.04176	0.07443	-0.12457
39	-0.02995	0.15557	-0.08418	-0.0536	-0.02995	-0.02995	0.229	0.06099
40	0.10127	-0.03325	0.00932	-0.07202	0.10127	0.10127	0.05356	0.09008
41	0.11333	-0.13913	0.03496	-0.06579	0.11333	0.11333	0.11333	0.1198
42	-0.14199	0.08691	0.10374	-0.16954	-0.06764	-0.14199	0.04224	0.144
43	-0.04718	-0.00207	-0.00843	0.04889	-0.04718	-0.04718	-0.0471	0.01824
44	0.10797	-0.08408	-0.03015	-0.0016	0.10797	0.10797	-0.05329	-0.06676
45	0.01064	-0.01412	0.01383	0.04341	0.04341	0.04341	0.13556	0.04201
46	-0.08811	0.11717	-0.04441	0.07962	-0.04364	-0.04364	-0.08438	-0.07336
47	0.03392	0.08271	0.04393	0.03392	0.03392	0.03392	0.02553	0.00468
48	0.02457	-0.17097	-0.1065	-0.14462	0.02457	0.02457	-0.0314	0.2717
49	0.08771	-0.058	-0.05901	0.0641	0.08771	0.08771	-0.1349	0.0655
50	-0.02818	0.05107	-0.1786	-0.01984	-0.15554	-0.15554	0.18623	-0.15554
51	-0.03908	-0.03908	-0.09983	-0.06951	-0.03908	-0.03908	-0.111	-0.09178
52	-0.10249	0.18452	0.05614	0.13329	-0.10249	-0.10249	-0.00089	-0.10249
53	0.0226	-0.08872	-0.07536	-0.10931	0.03374	0.0226	0.0226	-0.01055
54	0.09028	0.03029	0.10352	0.00068	0.09028	0.09028	0.12649	-0.13561
55	-0.00369	0.05665	0.01221	-0.00369	-0.00369	-0.00369	0.00375	-0.00369
56	0.19674	0.00157	-0.07115	-0.08454	0.19674	-0.07115	0.06837	0.03085
57	0.00918	0.14662	0.17005	0.18285	0.00918	0.00918	-0.24612	-0.10727
58	0.01207	-0.03108	-0.13662	-0.04034	0.01207	0.01207	0.09769	0.07068
59	-0.12673	-0.04266	0.16302	0.01496	-0.12673	0.01845	-0.0214	-0.03444
60	-0.14638	-0.12202	-0.01707	-0.03446	-0.14638	-0.14638	-0.06957	-0.01269
61	0.13233	-0.0157	-0.00496	-0.08896	-0.06465	0.13233	0.13233	0.08137
62	-0.04821	-0.0646	0.23178	0.06614	-0.04821	-0.04821	0.08956	-0.04821
63	-0.10491	0.03324	0.05991	-0.03834	-0.0764	-0.10491	-0.16262	-0.07211
64	0.10182	-0.11447	0.04069	0.04185	0.00791	0.00791	-0.19738	-0.0602
65	-0.02129	-0.00254	-0.05847	0.0376	-0.02129	-0.02129	-0.09329	-0.0523
66	0.2189	-0.03485	0.2189	-0.07024	0.2189	0.2189	0.02462	0.00751
67	-0.04094	0.05865	0.12427	0.00439	-0.04094	-0.04094	-0.04378	-0.09009
68	0.1709	0.11193	-0.13918	0.18063	0.1709	0.1709	0.13435	-0.10406
69	0.04625	-0.23352	-0.16879	-0.16118	0.06403	0.06403	0.02553	0.09842
70	0.0439	0.21051	-0.07698	-0.16875	0.0439	0.0439	0.10402	0.0147
71	0.12516	0.02409	-0.02316	0.08589	0.12516	0.12516	-0.06678	0.0525
72	0.02336	0.13348	0.00477	-0.00538	0.01603	-0.0387	-0.11757	-0.02228
73	-0.10329	0.10249	-0.02724	0.14091	-0.10329	-0.10329	-0.07601	0.03607
74	-0.06017	0.03651	0.07362	-0.10644	0.03651	0.03651	0.04695	0.04386
75	-0.17282	-0.04677	-0.17282	-0.0127	-0.17282	-0.17282	-0.0027	-0.00566
76	0.05388	-0.08656	-0.04159	0.06831	0.04577	0.04577	0.24975	0.27565
77	-0.1253	0.07837	0.0361	0.10423	-0.1253	-0.1253	0.07647	-0.0371
78	0.07368	-0.07266	0.01525	-0.06114	0.07368	0.07368	-0.02457	-0.31963
79	-0.03124	0.04369	0.08879	-0.04247	-0.02971	-0.02971	0.05583	-0.02971
80	-0.08002	-0.12869	-0.08002	0.02142	-0.08002	-0.08002	0.00125	0.11576
81	-0.07435	0.1222	0.03049	0.02908	-0.07435	-0.07435	0.04482	0.02421
82	0.01944	-4.5E-06	0.111	-0.15905	0.01944	0.01944	-0.0406	-0.02597

83	0.10165	-0.09015	0.04462	-0.00255	0.04462	0.04462	0.22685	-0.12513
84	-0.06464	-0.05654	-0.07916	-0.09594	-0.04402	-0.04402	0.00449	-0.04402
85	0.15976	0.09798	-0.06126	0.09162	0.15976	0.15976	-0.00901	0.08165
86	-0.13236	0.0223	-5.7E-05	0.10774	-0.13236	-0.13236	0.10351	0.18873
87	0.18938	-0.07245	-0.10166	0.01435	0.18938	-0.10166	-0.1001	-0.19316
88	0.08923	-0.03365	0.07766	-0.01581	0.08923	0.08923	0.13961	-0.08193
89	0.04566	-0.04375	-0.11051	0.01106	-0.02116	0.04566	-0.03152	0.13918
90	0.04109	0.04109	0.04109	-0.11225	0.04109	0.04109	0.11642	0.04109
91	0.07985	0.06676	-0.23184	-0.06464	0.07985	0.07985	-0.11867	-0.08942
92	0.10709	0.0285	0.10709	0.15938	0.10709	0.10709	-0.23918	-0.00157
93	-0.00256	0.01098	-0.14292	-0.00256	-0.00256	-0.00256	-0.12888	-0.01549
94	-0.11324	-0.18715	-0.04868	-0.06794	0.15861	0.1526	-0.06326	0.05746
95	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.0223	0.12175
96	0.1515	-0.13342	0.01596	-0.02885	0.1515	0.1515	0.08023	-0.06188
97	0.1346	-0.02353	0.03724	0.03979	0.1346	0.03724	-0.0699	-0.14785
98	0.09354	0.04294	-0.09545	-0.04839	0.09354	0.09354	-0.0192	0.00629
99	0.00264	0.15847	0.13225	0.06011	0.00264	0.00264	0.06379	0.03135
100	-0.09348	-0.11293	0.04525	-0.17147	-0.1187	-0.1187	0.0361	0.09486

2028

1	-0.08185	-0.08185	0.01709	0.0139	-0.08185	-0.08185	0.0728	-0.2862
2	-0.03146	0.00143	-0.04372	0.00143	0.00143	0.00143	0.14956	-0.02025
3	-0.19769	-0.01048	-0.01761	-0.14968	-0.14968	-0.14968	-0.14968	0.00796
4	-0.11536	0.02576	-0.07796	-0.04555	0.11058	-0.11536	-0.01537	-0.00924
5	-0.03477	-0.12822	0.075	0.0283	-0.02347	-0.12822	0.02843	0.07194
6	0.1019	-0.01751	0.04417	0.06266	0.1019	0.1019	0.02173	0.04987
7	0.12465	-0.14949	-0.10229	-0.03228	0.12465	0.12465	0.12465	-0.11128
8	-0.09819	-0.09819	0.11819	-0.09819	-0.09819	-0.09819	-0.06522	0.15799
9	0.00128	0.06464	-0.00219	-0.02215	0.00128	0.00128	0.11503	0.05709
10	-0.07343	0.00503	0.16214	0.13454	-0.07343	-0.07343	-0.04088	-0.08712
11	-0.06035	0.16682	0.03506	-0.07707	-0.06035	0.09548	-0.13802	-0.03505
12	0.03608	-0.1224	-0.03057	-0.22967	-0.22592	-0.22592	0.21694	-0.05145
13	0.04122	0.08752	-0.19718	-0.14022	0.04122	0.04122	-0.0115	0.04122
14	-0.17166	0.01961	-0.05695	-0.05414	-0.17166	-0.17166	-0.08151	-0.17166
15	-0.0145	-0.03464	0.2214	0.11897	-0.0145	-0.0145	0.05701	0.10411
16	0.09057	0.03932	0.06052	-0.08934	0.02468	0.02468	0.09394	0.10179
17	-0.02836	-0.02836	-0.02836	0.09121	-0.02836	-0.02836	-0.27571	-0.05807
18	0.00799	-0.04596	-0.10562	0.27372	-0.08271	-0.08271	0.00311	-0.07878
19	-0.05831	-0.05621	-0.13966	-0.12487	-0.05831	-0.05831	-0.09469	-0.13386
20	-0.00928	-0.08286	-0.00928	-0.00866	-0.00928	-0.00928	-0.03397	0.03677
21	-0.00082	0.23103	-0.00082	-0.03681	-0.00082	-0.00082	-0.03165	-0.20696
22	0.07259	-0.05807	-0.0643	-0.13609	0.07259	0.07259	0.07065	0.11384
23	0.00905	-0.09245	-0.04134	-0.12612	0.00905	0.00905	0.03416	0.00905
24	0.09796	0.19107	-0.08045	-0.18668	0.19107	0.19107	-0.16743	-0.00838
25	0.19901	-0.08299	0.15166	0.04669	0.19901	0.19901	0.19901	-0.15957
26	-0.09293	0.02793	-0.17665	-0.01958	-0.06914	-0.06914	0.08531	0.01093
27	0.07502	0.07502	-0.12074	0.10467	0.07502	0.07502	0.00772	-0.07385
28	-0.01306	0.05183	0.07349	-0.00298	-0.01306	-0.01306	-0.04816	-0.04991
29	0.20576	0.09941	0.16616	0.05482	0.20576	0.20576	0.1391	-0.0261
30	-0.03108	0.11784	-0.02129	0.01698	0.12292	0.12292	-0.11794	-0.09182
31	0.08545	0.01215	-0.00625	0.06769	0.08545	0.08545	0.06055	0.04484
32	0.12189	0.07623	0.05566	0.02805	0.05566	0.05566	0.05052	0.05566
33	0.07693	-0.13263	0.05403	0.14948	0.07693	0.07693	-0.05338	-0.01939
34	0.0328	-0.01462	0.09625	0.09638	-0.05462	-0.05462	-0.14029	0.10133
35	0.06769	-0.00635	0.05079	0.00486	0.0797	0.06769	0.10416	0.06769
36	0.04675	-0.04434	0.12107	0.04675	0.04675	0.04675	-0.08284	0.03013
37	-0.05493	-0.03292	0.00823	-0.10345	-0.05493	-0.05493	-0.10185	0.07763



38	-0.04176	0.06162	-0.03604	-0.04347	-0.04176	-0.04186	0.02415	0.1919
39	-0.02995	-0.12577	0.02797	-0.06049	-0.02995	-0.02995	-0.02277	0.06466
40	0.10127	0.02225	-0.13059	0.17219	-0.13704	0.10127	-0.00161	-0.06249
41	0.11333	-0.12228	-0.134	0.05059	0.11333	0.11333	0.05857	0.19171
42	-0.14199	0.15369	0.14414	0.02397	-0.14199	-0.14199	-0.10668	0.0528
43	-0.10247	0.05272	-0.11545	-0.06698	-0.10247	-0.10247	-0.10247	-0.07144
44	0.10797	0.04224	-0.03487	0.08547	0.10797	0.10797	0.0003	0.11435
45	0.01064	0.01064	0.00118	-0.00125	0.01064	0.01064	-0.09249	-0.09606
46	-0.08811	-0.03639	-0.06412	-0.08811	-0.08811	-0.08811	0.03268	-0.10486
47	0.03392	0.08343	0.08354	0.08039	0.03392	0.03392	0.03392	0.00667
48	0.02457	0.00136	-0.01772	0.13175	0.09339	0.09339	0.1052	0.03338
49	0.08771	0.01258	-0.25921	0.12225	-0.06615	0.05439	0.05439	0.14622
50	-0.02818	0.03196	-0.04895	-0.0281	-0.02818	0.18468	-0.03653	-0.03468
51	-0.03908	-0.01584	0.20527	-0.2269	-0.0612	-0.0612	-0.05346	-0.02489
52	-0.10249	0.18141	0.11579	0.21001	-0.10249	-0.10249	0.09133	-0.15962
53	0.0226	-0.00957	-0.0794	0.0226	0.0226	0.0226	-0.04153	0.0226
54	0.09028	-0.05692	0.03678	0.06227	0.09028	0.09028	-0.07532	-0.1871
55	0.02301	-0.12855	0.02301	-0.01828	-0.04476	0.02301	0.03862	0.02296
56	0.19674	-0.08746	-0.01106	0.00417	0.19674	0.19674	0.24862	-0.06475
57	0.11111	-0.04308	-0.08723	-0.08195	0.02266	0.02266	-0.2691	0.09138
58	0.01207	0.10128	0.09991	-0.04824	0.01207	-0.03118	-0.01937	-0.00685
59	-0.12673	-0.23724	0.01346	0.03812	-0.01133	-0.12673	-0.12673	0.07332
60	-0.02553	-0.06924	0.05924	-0.10927	0.03974	0.03974	0.03974	-0.04429
61	0.13233	0.07318	0.06912	0.18342	-0.10382	-0.10382	-0.08341	-0.06387
62	-0.04821	0.00777	0.0602	-0.11141	-0.04821	-0.04821	0.03049	-0.00312
63	-0.20007	0.01934	0.22931	0.1198	-0.20007	-0.20007	0.0618	0.0957
64	0.07357	-0.1476	0.04499	0.0596	0.07357	0.07357	-0.1685	0.03004
65	-0.02129	-0.03528	0.0883	-0.14211	-0.14293	-0.14293	0.17999	-0.02197
66	0.2189	0.16568	0.03704	0.09136	0.2189	0.2189	0.2189	-0.07264
67	-0.04094	0.1061	-0.07087	0.0038	-0.06114	0.10049	-0.08612	0.06743
68	-0.04048	-0.06363	0.14511	0.04391	-0.04048	-0.04048	-0.05426	0.00111
69	0.04625	-0.10215	-0.18277	0.02774	-0.05097	0.0604	0.0604	-0.11585
70	0.0439	0.06634	-0.00229	0.07673	0.0439	0.0439	-0.0407	-0.21165
71	0.12516	-0.03913	-0.11959	-0.0215	-0.10385	0.12516	0.04754	-0.02793
72	0.02336	-0.09776	-0.09852	0.01332	0.02336	-0.09776	-0.11945	-0.10327
73	-0.10329	-0.00679	0.10832	0.14009	-0.10329	-0.10329	-0.00877	0.1724
74	-0.06017	-0.07003	-0.15895	-0.17777	0.12823	0.12823	0.11469	0.15411
75	-0.03567	0.10034	-0.01386	-0.04479	0.22766	0.22766	0.22766	0.04273
76	0.05388	-0.11324	0.01712	-0.03563	0.05388	0.05388	0.14054	-0.04766
77	-0.1253	0.03935	-0.04869	-0.07492	0.08763	0.08763	0.08763	0.02321
78	0.07368	-0.19624	0.07368	-0.08466	-0.03877	0.07368	-0.03197	0.11838
79	-0.03124	0.03222	-0.06461	-0.00844	0.0867	0.04643	0.01344	0.07096
80	-0.08002	0.14701	-0.08002	-0.05668	-0.08002	-0.08002	0.00097	-0.14646
81	-0.07435	-0.03558	0.01419	0.01912	-0.07435	-0.07435	-0.07747	-0.05632
82	0.01944	-0.21187	0.05264	-0.05017	0.0017	0.0017	0.0558	0.13375
83	0.10165	0.00097	0.0931	0.02769	0.10165	0.10165	-0.05822	0.10547
84	-0.06464	0.12156	-0.07325	0.00192	-0.2445	-0.2445	-0.31901	0.00404
85	0.15976	-0.15901	-0.05513	-0.01635	-0.18558	0.15976	-0.05061	0.09094
86	-0.02511	-0.04677	0.24337	-0.12484	-0.02511	-0.02511	-0.09182	-0.02076
87	0.18938	0.26376	0.11874	-0.00933	0.18938	-0.19252	0.08481	0.03354
88	0.08923	0.0478	-0.05051	0.11927	0.08923	0.08923	0.08923	0.17206
89	0.04566	-0.02099	-0.08688	0.08661	0.04566	-0.08688	0.01475	-0.09608
90	0.04109	-0.05679	0.03002	0.0431	0.04109	0.04109	0.02871	0.07086
91	0.07985	-0.09177	-0.13766	-0.07912	0.07985	0.07352	-0.03423	0.06143
92	-0.05196	-0.1267	-0.03315	0.07798	-0.05196	-0.05196	-0.05196	-0.02757

	93	-0.00256	-0.06792	-0.08808	-0.00256	-0.00256	-0.00256	-0.01138	-0.07271
	94	-0.11324	0.05385	-0.00705	-0.16809	-0.11426	-0.11426	0.20085	-0.05114
	95	0.00629	0.15924	0.00792	-0.0911	-0.14511	-0.14511	0.07238	-0.00072
	96	0.1515	0.02106	0.04338	-0.06247	0.10708	0.10708	0.11078	-0.11715
	97	0.1346	0.03403	-0.11466	0.20119	0.1346	0.1346	0.15456	-0.13817
	98	0.09354	0.09354	0.07437	0.13512	0.09354	0.09354	0.04134	0.04729
	99	0.04538	0.09962	-0.16596	0.0563	0.10272	0.03025	-0.10994	0.01564
	100	-0.09348	0.07996	0.14634	-0.09348	-0.09348	-0.09348	-0.15985	-0.26019
2029	1	-0.08185	0.15158	0.11525	-0.08428	-0.02056	-0.02056	-0.02056	-0.08413
	2	-0.03146	0.01916	-0.01404	-0.05348	-0.03146	-0.03146	0.04654	0.05608
	3	-0.19769	0.07409	0.08027	-0.07585	0.16048	0.16048	0.00998	0.10798
	4	-0.11536	0.01196	-0.15537	-0.02346	-0.11536	-0.02346	0.08035	0.1636
	5	-0.03477	-0.00779	-0.03477	-0.02942	-0.03477	-0.03477	0.02083	-0.08554
	6	0.1019	-0.04359	0.01682	0.06922	0.1019	0.06922	0.18459	0.06927
	7	0.12465	-0.07851	-0.03631	0.12767	0.12465	0.12465	-0.10977	0.08661
	8	-0.09819	-0.15422	0.06502	0.09061	-0.09819	-0.10569	0.08796	-0.02893
	9	0.00128	0.23945	0.03907	-0.25449	0.00128	0.12548	-0.03358	0.25238
	10	-0.07343	-0.01615	-0.0102	0.06119	-0.07343	-0.07343	-0.08324	0.00364
	11	-0.06035	0.04627	-0.08474	0.15191	-0.06035	-0.07801	0.12738	-0.1222
	12	0.03608	-0.10648	-0.04417	0.03608	0.03608	0.03608	-0.05438	-0.00296
	13	0.04122	-0.0651	0.08789	0.01124	-0.00461	0.08789	-0.10294	0.0311
	14	-0.07436	-0.03797	-0.11639	-0.12281	-0.07436	0.05921	-0.00398	0.04824
	15	-0.0145	-0.09741	-0.05976	0.03374	-0.05659	-0.0145	-0.13926	-0.18287
	16	0.09057	0.06428	0.19736	0.17431	0.09057	0.17431	-0.04895	0.17431
	17	-0.02836	-0.21795	0.15933	-0.13171	-0.02836	-0.02836	-0.02369	-0.01691
	18	0.01826	0.01826	0.00809	-0.02042	0.01826	0.01826	0.13339	-0.13696
	19	-0.05831	0.10352	0.09774	0.02268	-0.06543	-0.06543	0.02732	-0.06075
	20	-0.00928	0.03608	0.02939	0.07183	-0.00928	0.09604	-0.21847	-0.03992
	21	-0.00082	0.02688	-0.00648	-0.04499	0.13124	0.13124	0.17819	-0.09046
	22	0.07259	0.09257	0.09113	-0.10134	-0.11518	-0.11518	0.03813	0.06899
	23	0.00905	-0.12381	-0.01312	0.02385	0.00905	0.00905	0.06264	-0.05929
	24	0.09796	-0.0096	0.03971	-0.12626	0.09796	0.03971	0.10374	-0.07822
	25	0.19901	-0.06417	0.27237	-0.18708	-0.08559	-0.08559	-0.21291	-0.19074
	26	-0.09293	0.05796	0.15763	0.00218	-0.09293	-0.09293	0.09413	0.10322
	27	0.07502	-0.25461	0.02354	0.06725	-0.04983	-0.06693	-0.02675	-0.02955
	28	-0.01306	0.01887	0.12022	0.04396	-0.01306	-0.01306	0.03865	0.02052
	29	0.20576	-0.05091	-0.10275	0.20576	0.20576	0.20576	0.00188	0.20576
	30	-0.00861	0.08564	-0.0725	0.20386	-0.00861	0.08564	0.08564	0.13692
	31	0.08545	0.08545	0.08545	-0.07242	0.08545	0.08545	0.01829	0.08545
	32	0.12189	-0.16062	-0.03524	0.10577	0.12189	0.12189	0.12189	0.25565
	33	0.07693	-0.02	-0.05312	-0.02312	0.10769	0.07693	-0.14945	-0.14226
	34	0.0328	-0.02834	-0.28778	0.07315	0.01465	-0.17436	-0.06054	-0.12561
	35	0.06769	0.17264	-0.15476	0.09369	0.06769	0.06769	0.16096	-0.01129
	36	0.04675	0.10438	-0.04843	0.12854	0.34158	0.34158	-0.05105	-0.01285
	37	-0.05493	-0.09131	0.0263	0.02786	-0.05493	-0.05493	-0.08324	0.00725
	38	0.07457	0.01089	0.06205	-0.13847	0.07457	0.07457	0.06897	0.04559
	39	-0.02995	-0.08304	0.07431	-0.05895	-0.02995	-0.02995	-0.00248	0.02725
	40	0.04026	0.04026	-0.11369	-0.0017	0.04026	0.04026	-0.02327	0.10523
	41	0.0547	0.10481	0.10318	-0.01786	0.0547	0.0547	-0.02706	0.01044
	42	-0.14199	-0.16908	-0.03328	-0.14199	-0.14199	-0.14199	0.12065	-0.07953
	43	-0.10247	0.02902	0.12819	0.0206	0.13137	-0.10247	0.13491	-0.18097
	44	-0.05942	-0.07097	-0.07064	-0.00295	-0.05942	-0.05942	-0.05942	-0.15785
	45	0.01064	-0.11654	-0.09503	-0.03969	0.01064	0.01064	0.18213	-0.02904
	46	-0.08811	-0.08811	0.0642	0.08072	-0.08811	-0.08811	-0.08811	-0.04236
	47	0.03392	0.14087	0.0291	-0.0667	0.03392	0.03392	0.01238	0.01563

48	0.02457	-0.15141	-0.05991	-0.14766	-0.05678	0.08219	0.08219	0.25201	
49	0.08771	-0.04682	0.03993	-0.16929	0.08771	0.08771	-0.03877	-0.09104	
50	-0.02818	0.08747	0.00354	-0.03449	0.0141	-0.07837	0.0288	0.04662	
51	-0.03908	0.29475	0.12486	-0.06848	-0.03908	-0.03908	-0.05747	-0.10811	
52	-0.10249	0.01872	0.0685	0.00368	0.10586	0.10586	0.10586	-0.01277	
53	-0.11088	0.01216	-0.00384	0.0359	-0.11088	-0.11088	-0.07195	0.07458	
54	0.09028	0.06775	-0.11113	-0.08644	-0.15804	0.00481	0.07977	0.00481	
55	0.02301	0.04215	-0.26947	0.12964	0.02301	0.02301	-0.13179	0.10267	
56	0.19674	0.0624	-0.04076	0.05801	-0.22628	0.30791	0.05384	0.14068	
57	0.11111	-0.00276	0.01558	0.05004	0.11111	0.11111	-0.18596	0.0653	
58	0.01207	-0.06154	-0.01571	-0.11502	0.01207	0.01207	0.09359	0.01207	
59	-0.12673	-0.01473	-0.16435	0.09423	-0.10917	-0.10917	-0.10868	0.12443	
60	0.0979	-0.09931	0.0979	0.17018	0.0979	0.0979	-0.0966	0.03809	
61	0.13233	-0.14364	-0.02542	0.13278	-0.08176	-0.08176	-0.02531	0.04574	
62	-0.04821	0.03697	-0.0009	0.11709	0.04535	0.04535	0.13565	-0.04145	
63	-0.20007	0.0437	-0.01915	0.06425	-0.20007	-0.20007	-0.15557	-0.01101	
64	0.07357	-0.10118	-0.10118	0.17787	-0.16768	-0.10118	0.09445	0.03075	
65	-0.02129	0.19328	0.02129	-0.05789	-0.02129	-0.02129	-0.02633	0.00437	
66	0.2189	-0.05661	-0.15139	-0.09639	-0.05231	-0.05231	0.07087	-0.15634	
67	-0.04094	-0.04094	-0.08481	-0.04094	-0.04094	-0.04094	-0.08317	-0.11899	
68	-0.04048	0.06266	-0.04048	0.0293	-0.04048	-0.04048	0.04797	-0.07619	
69	0.04625	0.10424	-0.05259	0.0917	0.04625	0.04625	0.04625	0.07534	
70	0.0439	-0.03192	0.02623	0.0439	0.0439	0.0439	-0.05237	0.13277	
71	0.12516	-0.04977	0.10677	0.01828	0.12516	0.12516	-0.00268	0.02003	
72	-0.05589	-0.07988	-0.15913	-0.01383	-0.13454	-0.15913	-0.15913	0.09125	
73	-0.10329	-0.10638	-0.07557	0.04827	-0.10329	-0.11145	0.02757	-0.05324	
74	-0.06017	-0.00438	-0.11535	-0.03971	-0.06017	0.01897	-0.11376	0.24856	
75	-0.03567	0.08954	0.13089	-0.12712	0.02206	-0.03567	-0.03567	-0.09207	
76	0.05388	-0.08425	0.06596	-0.00342	0.05388	0.05388	-0.17746	0.11036	
77	-0.1253	-0.01668	-0.23413	0.00634	-0.1253	-0.1253	0.00976	-0.1253	
78	0.07368	0.08316	0.07368	-0.21816	0.07368	0.07368	0.06106	0.06127	
79	-0.14438	-0.18353	0.09372	-0.08321	-0.14438	0.05738	0.16938	-0.01626	
80	0.07886	0.12988	0.07211	0.08103	0.12579	0.12579	-0.0543	-0.02828	
81	-0.07435	0.04515	0.00662	-0.09838	-0.07435	-0.07435	-0.0298	0.2228	
82	0.01944	-0.1553	0.01944	-0.13348	0.01944	0.01944	0.00917	-0.19441	
83	0.10165	-0.02989	-0.16154	-0.0626	-0.02989	-0.02989	-0.05387	0.06223	
84	-0.06464	0.15492	0.10276	0.13489	0.07952	0.03836	-0.15987	0.03836	
85	0.15976	-0.01056	-0.01903	0.02826	0.06142	-0.03373	0.04891	-0.02401	
86	-0.02511	-0.11268	-0.21646	-0.04416	-0.02511	-0.02511	-0.11895	0.04835	
87	0.18938	-0.02986	0.04948	0.28918	0.18938	0.18938	0.15201	0.12405	
88	0.08923	0.08597	0.28609	0.09914	0.08923	0.08923	0.22021	-0.04551	
89	0.04566	-0.30064	-0.07949	-0.07237	-0.00016	-0.00016	-0.09607	-0.03606	
90	0.00512	-0.08895	-0.04408	-0.03821	0.00512	0.00512	0.08128	0.07157	
91	0.07985	0.00205	0.15783	0.06343	0.07985	0.07985	-0.03867	-0.15971	
92	-0.05196	0.01469	-0.02634	-0.1228	-0.05196	-0.05269	-0.0829	0.03259	
93	-0.00256	0.10717	-0.06312	-0.00256	-0.00256	-0.00256	0.02164	-0.12487	
94	-0.11324	-0.05447	0.07266	-0.00596	-0.11324	0.0408	-0.00691	0.01926	
95	0.00629	0.05953	-0.12702	0.00629	0.00629	0.00629	0.09329	-0.0692	
96	0.1515	0.03287	0.0576	0.01283	0.1515	-0.00931	-0.0221	0.14338	
97	0.1346	-0.07735	-0.0977	0.05078	0.1346	0.1346	0.06017	-0.05489	
98	0.07239	-0.01984	0.03767	0.07219	0.07239	0.07239	0.07239	-0.09538	
99	0.13554	0.07747	-0.00444	-0.21104	0.13554	0.13554	0.12665	0.10005	
100	-0.09348	0.19746	0.10487	0.0086	-0.09348	-0.09348	-0.19922	0.01172	
2030	1	-0.08185	0.2191	0.19564	0.0547	-0.00433	-0.00433	0.21657	0.02685
	2	-0.03146	0.06314	0.07492	-0.10188	-0.03146	-0.03146	0.05126	0.00588

3	-0.19769	0.0215	-0.02859	-0.01178	-0.19769	-0.19769	-0.05514	-0.00576
4	-0.11536	-0.05893	0.00577	0.04472	0.13769	-0.08899	0.1187	0.13912
5	-0.03477	0.1265	-0.02368	-0.08347	-0.03477	-0.03477	0.02326	-0.01488
6	0.1019	0.07721	-0.02069	0.0927	-0.09184	-0.02069	-0.20692	0.05543
7	0.12465	-0.1734	0.12265	0.02707	0.12465	0.12465	-0.12822	-0.08352
8	-0.09819	-0.07532	-0.00929	-0.02588	-0.09819	-0.09819	-0.09819	-0.04489
9	0.00128	0.0278	-0.1301	0.00128	0.00128	0.00128	0.00128	0.01403
10	-0.07343	0.09137	-0.21515	-0.05653	-0.07343	-0.07343	-0.07343	0.03908
11	-0.06035	0.04436	0.04792	0.18311	-0.06035	-0.06035	0.12902	-0.06703
12	0.03608	-0.11316	-0.04704	-0.21007	0.03608	0.03608	0.03608	0.16533
13	0.04122	0.00645	0.03427	0.07014	0.04122	0.04122	0.02748	-0.11395
14	-0.07436	0.13103	0.06556	-0.16364	0.06595	0.13483	-0.07666	0.08466
15	-0.0145	-0.13271	-0.0145	-0.11401	-0.0145	-0.0145	0.06639	-0.13112
16	0.09057	0.09057	0.09012	-0.01597	0.09057	0.09057	-0.00729	0.10959
17	-0.02836	-0.0058	0.02061	-0.03898	-0.02836	-0.02836	0.09699	-0.36926
18	0.10672	-0.01948	0.16491	0.01778	0.16491	0.16491	-0.03062	0.07656
19	-0.23953	-0.08802	-0.06377	-0.23953	-0.23953	-0.23953	0.07768	-0.08785
20	-0.00928	-0.04697	-0.07298	0.01236	-0.00928	-0.00928	-0.09135	-0.02569
21	-0.00082	-0.00082	-0.27335	-0.02946	-0.00082	-0.00082	0.13357	-0.03102
22	0.07259	-0.04331	0.02989	0.03031	0.07259	0.07259	-0.06989	0.15496
23	0.00905	-0.21586	-0.00248	0.00905	0.00905	0.00905	0.06904	-0.17128
24	0.09796	0.11421	0.0717	-0.09965	0.09796	-0.09346	0.04263	-0.05468
25	0.19901	-0.03183	-0.03678	0.0862	0.19901	0.13131	-0.02966	-0.1139
26	-0.09293	-0.0253	0.19754	0.02068	-0.09293	-0.09293	0.06685	-0.09344
27	0.07502	-0.00776	-0.04229	0.13148	0.07502	0.07502	-0.02461	-0.0217
28	-0.01306	0.0637	0.04376	0.06916	0.05429	0.05429	0.19913	0.04196
29	0.20576	-0.06153	0.09794	-0.04395	0.20576	0.20576	-0.11371	0.00843
30	0.06742	0.04235	0.15493	0.1192	0.1192	0.1192	-0.04285	-0.03981
31	0.08545	0.02327	-0.05851	0.18185	0.08545	0.09241	0.09241	0.03278
32	0.12189	0.13874	0.00269	-0.02074	0.12189	0.12189	-0.0105	0.0813
33	0.07693	-0.07748	0.05608	-0.12152	0.07693	0.07693	-0.08627	0.07693
34	0.0328	0.0328	0.01802	0.0328	0.05119	0.0328	0.0328	-0.00447
35	0.06769	0.0994	-0.08143	-0.00854	0.06769	0.06769	-0.06677	-0.15068
36	0.04675	-0.15338	-0.107	-0.08366	0.08121	0.08121	-0.1515	-0.07223
37	-0.05493	0.0358	-0.01698	-0.31637	-0.05493	-0.05493	-0.05493	0.24945
38	-0.03012	-0.1012	-0.10339	0.10898	-0.03012	-0.03012	0.0963	0.02181
39	-0.02995	-0.10743	-0.14709	0.05676	0.10808	-0.02995	-0.1704	0.10456
40	0.04026	0.00711	0.11983	-0.13312	0.04026	0.04026	0.01368	0.05886
41	0.0547	0.01572	0.10257	0.0547	0.0547	0.0547	-0.16496	0.01676
42	-0.14199	0.15963	0.04616	0.03219	-0.14199	-0.14199	0.17929	-0.02241
43	-0.10247	0.0653	-0.09762	0.10041	-0.10247	-0.10247	-0.07751	-0.0285
44	-0.05942	0.06898	-0.12997	0.13018	-0.05942	-0.05942	0.00461	0.05245
45	0.01064	-0.02622	-0.04228	0.16748	0.01064	0.01064	0.07866	-0.05093
46	-0.08811	-0.03948	0.02551	-0.08237	-0.08811	-0.08811	0.12213	0.11893
47	0.03392	0.10529	0.19143	-0.11876	0.15253	0.15253	0.04877	0.1457
48	0.02457	-0.12937	0.08218	-0.10135	-0.2005	0.02457	-0.15494	-0.15333
49	0.05616	0.03841	0.12785	-0.00174	0.05616	0.05616	-0.0514	0.04876
50	-0.02818	-0.12681	-0.03681	-0.02818	0.02573	-0.02818	0.01883	0.17343
51	-0.03908	-0.01301	0.02457	-0.02162	0.19292	-0.03908	-0.11339	0.0286
52	-0.10249	-0.05315	-0.05865	0.05484	-0.10249	-0.10249	-0.05878	-0.0569
53	-0.11088	-0.11088	-0.11088	0.00516	-0.11088	-0.11088	0.13895	-0.11088
54	0.09028	0.0881	0.06047	0.09028	0.09028	0.09028	-0.01296	-0.09242
55	0.02301	-0.17789	0.10914	0.01915	0.10914	0.10914	-0.00665	0.00855
56	0.19674	-0.09161	-0.07687	-0.06173	0.19674	-0.02606	0.03583	-0.18824
57	0.11111	0.01014	-0.02494	-0.03161	0.11111	0.11111	-0.02687	-0.08117

58	-0.00073	-0.09411	0.00223	0.04026	-0.09411	-0.09411	0.05501	-0.0015	
59	0.04395	-0.00183	-0.02331	0.07505	-0.02331	-0.02331	0.09032	0.08368	
60	-0.04104	-0.08386	-0.10988	-0.17904	-0.04104	-0.04104	-0.09394	-0.10438	
61	0.13233	-0.09354	0.13274	-0.08971	0.13233	0.13233	0.08627	0.01786	
62	-0.01788	0.1929	-0.03741	0.12585	0.15229	-0.00481	0.05931	0.22425	
63	-0.20007	-0.02928	0.03937	-0.00234	-0.20007	-0.20007	0.04594	-0.12767	
64	0.07357	0.01824	-0.01301	0.145	-0.05358	-0.05358	0.00691	0.03185	
65	-0.02129	-0.05251	0.01658	0.03837	-0.02129	-0.02129	0.03607	0.08558	
66	0.2189	-0.17885	0.05702	-0.07747	0.2189	0.2189	-0.03452	0.06229	
67	-0.04094	0.1014	-0.21518	-0.05423	-0.04094	-0.04094	-0.05004	0.0515	
68	-0.00236	-0.04106	-0.09266	-0.17133	0.19619	0.04555	-0.12536	0.07179	
69	0.04625	0.08716	0.07319	-0.03006	0.08716	0.08716	-0.01698	-0.06775	
70	0.0439	0.05499	0.03698	-0.13583	0.0439	0.0439	-0.06688	2E-06	
71	0.12516	0.12516	-0.11131	0.04406	0.12516	0.12516	0.08228	-0.26448	
72	-0.05589	-0.07271	0.11702	0.2411	-0.09584	-0.09584	-0.17758	-0.09584	
73	-0.10329	0.05656	-0.04426	0.01085	0.05656	0.05656	-0.08944	-0.13587	
74	-0.06017	0.0773	0.19907	-0.11143	-0.06017	0.07803	-0.14967	0.10756	
75	-0.03567	-0.00671	-0.08189	0.0198	-0.03694	-0.03694	0.02502	-0.0228	
76	0.05388	0.03939	-0.00651	0.06806	-0.04908	0.05388	0.15298	0.14895	
77	-0.1253	0.00715	0.10241	-0.02223	-0.1253	-0.1253	0.17792	-0.09167	
78	-0.03491	-0.12843	-0.12855	-0.04585	-0.02385	-0.02385	-0.02385	-0.0565	
79	-0.14438	0.03521	-0.05433	0.05501	0.03875	0.03875	-0.00975	-0.0085	
80	0.07886	0.10916	0.00701	0.08452	0.07886	-0.16322	0.10994	-0.03794	
81	-0.07435	-0.08305	0.02125	-0.12309	-0.07435	-0.07435	0.01973	0.08106	
82	0.01944	-0.1157	-0.05628	0.01595	0.04893	0.01944	-0.14573	-0.16509	
83	0.04941	0.20952	0.08835	0.06498	0.13298	0.04941	0.11323	0.12625	
84	-0.06464	-0.20975	-0.07357	-0.14092	-0.12312	-0.08801	-0.16794	-0.08801	
85	0.15976	-0.05115	0.15976	0.00582	-0.02449	0.15976	0.13985	0.15976	
86	-0.02511	-0.00894	-0.11304	0.04075	-0.02511	-0.02511	-0.06114	0.05724	
87	-0.08728	0.09129	0.06968	0.25956	-0.08728	-0.08728	0.03474	0.00505	
88	0.08923	0.02648	0.15822	-0.0204	0.08923	0.08923	0.17574	-0.14948	
89	0.04566	-0.15217	-0.22456	-0.07667	0.04566	0.04566	0.04566	-0.07289	
90	0.00512	0.01629	0.00512	-0.03034	0.00512	0.00512	-0.12027	0.20093	
91	0.07985	0.00198	-0.00407	-0.00362	-0.06857	-0.06857	0.05256	0.08971	
92	-0.05196	0.05899	-0.09353	0.07863	0.00995	-0.05196	-0.04807	-0.05196	
93	-0.00256	-0.02194	-0.0472	0.15231	-0.00256	-0.00256	-0.00534	-0.01515	
94	0.06769	0.04646	0.02844	0.0943	0.04646	0.04646	0.09097	0.1371	
95	0.00629	0.05082	-0.1473	-0.03915	-0.02178	-0.03873	-0.03027	-0.00705	
96	0.15668	-0.02756	-0.01421	-0.19856	0.15668	0.15668	-0.01561	0.02987	
97	-0.13888	-0.05303	0.0481	-0.0923	-0.13888	-0.13888	0.06798	-0.06636	
98	0.07239	0.14797	0.01227	0.03163	0.09064	0.09009	-0.07185	0.02296	
99	0.13554	0.07287	0.05722	0.12575	-0.03873	-0.03873	0.00901	0.04558	
100	-0.09348	0.12185	-0.02604	-0.06496	-0.09348	-0.09348	0.04858	-0.10403	
2031	1	-0.10485	-0.10485	-0.15866	-0.10359	-0.10485	-0.10485	0.01205	-0.16471
	2	-0.19903	0.13434	-0.00797	-0.11261	-0.19903	-0.19903	-0.1231	0.12754
	3	-0.19769	-0.05009	-0.04229	-0.08012	-0.19769	0.07807	0.07807	0.07807
	4	-0.08374	0.21818	0.01227	-0.20711	-0.08374	-0.08374	0.10432	0.02744
	5	-0.03477	0.03983	0.04238	-0.05449	-0.17185	-0.03477	-0.08187	-0.11726
	6	0.1019	0.08356	-0.01998	0.07264	0.1019	0.1019	-0.00131	0.1019
	7	-0.00214	-0.06374	0.12601	-0.00214	-0.00214	-0.00214	0.1508	-0.04241
	8	-0.09819	0.05401	0.02774	-0.04037	-0.09819	-0.09819	0.22906	0.00733
	9	0.00968	0.00497	0.05484	-0.13454	0.00968	0.00968	-0.15986	-0.14822
	10	-0.07343	-0.142	-0.08281	0.10114	0.0181	0.16699	-0.08578	0.06985
	11	-0.06035	-0.06035	0.15466	-0.02363	-0.06035	-0.06035	0.09722	0.05926
	12	0.03608	-0.07743	0.01859	0.0531	-0.08743	0.03608	0.01704	0.16846

13	0.04122	-0.18619	-0.11915	0.0416	0.04122	0.04122	-0.19083	-0.01344
14	-0.07436	0.09465	-0.16984	0.16077	-0.07436	-0.07436	0.07524	-0.09172
15	-0.0145	0.12489	-0.03529	-0.03427	-0.0145	-0.0145	-0.02605	0.09056
16	0.09057	0.03733	-0.10246	0.01938	0.0716	0.0716	0.05401	0.15128
17	-0.02836	0.01646	-0.05305	0.10491	-0.02836	-0.02836	0.04988	0.04286
18	0.10672	-0.09959	0.19252	0.00548	0.10672	0.10672	-0.04579	-0.00299
19	-0.23953	-0.01932	0.09758	0.02918	-0.23953	-0.23953	-0.23953	0.01516
20	-0.13465	-0.13465	-0.13465	-0.00965	-0.13465	-0.13465	0.03654	-0.05847
21	-0.00082	-0.04113	0.12716	0.01511	-0.13619	-0.04212	-0.11461	-0.02645
22	0.07259	-0.17464	0.07263	-0.08557	0.12782	0.12782	-0.00606	0.09639
23	-0.04934	0.05674	-0.10236	0.02793	0.05477	0.05477	-0.25279	-0.05584
24	0.09796	-0.10152	0.16076	-0.14771	0.09796	0.09796	-0.03402	0.04825
25	0.19901	0.19901	-0.1248	0.08928	0.19901	0.19901	-0.07445	0.05727
26	-0.02537	-0.1348	0.02254	-0.03785	-0.0408	-0.02537	-0.04287	0.13434
27	0.07502	0.23586	-0.02185	-0.04559	0.07502	0.07502	0.0021	0.00083
28	-0.01306	-0.01402	-0.02678	0.00106	0.0279	0.0279	0.1908	-0.00248
29	-0.09659	0.12049	0.00378	0.05307	-0.09659	-0.09659	0.08261	-0.0803
30	0.06742	0.14765	0.10225	-0.01436	0.06742	0.06742	0.14138	0.0687
31	0.09193	-0.01116	0.06712	-0.167	0.09193	0.09193	0.06234	-0.12536
32	0.12189	0.02941	0.12189	-0.12685	0.12189	0.12189	-0.01432	-0.04446
33	0.07693	0.04929	-0.08107	-0.06367	0.07693	0.07693	-0.1549	-0.01401
34	0.0328	-0.06838	-0.04631	-0.00074	0.0328	0.0328	0.0223	-0.09936
35	0.06769	0.07736	-0.19195	0.04658	0.06769	0.06769	0.0287	0.0353
36	0.04675	0.02451	0.16879	0.16624	0.04675	0.04675	0.04523	0.04675
37	-0.05493	-0.11994	0.0509	0.11836	-0.05493	-0.05493	-0.05493	-0.14902
38	-0.03012	0.08633	-0.0571	-0.07145	-0.12488	-0.0291	-0.06218	-0.0291
39	-0.02995	-0.0974	0.02542	0.07002	-0.0974	-0.0974	0.09246	0.01634
40	0.04026	-0.05785	-0.00515	0.14107	0.04026	0.04026	-0.09973	0.12242
41	0.0547	0.00424	-0.08553	0.03213	0.00424	0.00424	0.01505	0.08332
42	-0.02203	0.09397	0.14059	0.07349	-0.02203	-0.02203	-0.15433	-0.15382
43	-0.10247	-0.0712	0.19399	-0.07526	-0.10247	-0.10247	0.06029	-0.11202
44	0.09045	0.16814	-0.05927	-0.04537	0.09045	0.09045	0.11713	0.15767
45	0.04875	-0.05066	-0.17101	0.05222	0.04875	0.04875	-0.12396	0.10585
46	-0.14947	-0.03036	0.01908	-0.09106	0.15477	-0.0161	-0.02015	-0.01654
47	0.03392	-0.09795	-0.01652	0.05955	0.07834	0.03392	-0.17453	-0.265
48	-0.22006	-0.16827	0.06952	-0.22006	-0.22006	-0.22006	0.04684	-0.04552
49	0.05616	-0.12229	0.06333	-0.05712	0.01063	0.05616	-0.0839	0.06048
50	0.12895	0.11339	-0.03125	-0.00056	0.12895	0.12895	-0.03363	-0.05407
51	-0.03908	0.00156	-0.04993	0.15305	-0.03908	0.0773	0.13066	-0.08272
52	-0.10249	0.14462	-0.07807	-0.03077	-0.10249	-0.10249	-0.10249	-0.02601
53	-0.11088	-0.01978	0.08584	-0.02052	-0.11088	0.11535	0.07132	0.01043
54	0.09028	0.02694	-0.15702	0.1209	-0.23604	-0.23604	-0.23604	0.04467
55	0.02301	-0.16207	0.02301	0.00956	0.02301	0.02301	0.09989	0.08968
56	0.19674	0.05293	0.02954	-0.12669	0.19674	0.19674	-0.06394	0.02828
57	0.11111	0.06889	0.05001	0.09092	0.11111	-0.10215	0.00693	-0.00856
58	-0.00073	0.01548	0.11864	-0.00073	-0.06179	-0.00073	-0.00073	0.25208
59	0.04395	0.05084	-0.12794	-0.23099	0.04395	0.04395	0.25587	-0.09008
60	-0.04104	-0.05306	-0.00956	-0.14202	-0.04992	-0.04992	-0.04768	0.01531
61	0.1412	-0.06548	-0.0385	0.0668	0.04302	0.08375	-0.06752	0.04004
62	-0.01788	0.04351	-0.01788	-0.04982	-0.01788	-0.01788	-0.12878	-0.02153
63	-0.20007	0.07846	-0.02237	-0.00306	-0.20007	-0.20007	0.02233	-0.09135
64	0.07357	0.01327	-0.0347	0.21235	0.13164	-0.0347	0.02728	-0.00378
65	-0.02129	-0.01601	0.00293	-0.02129	-0.02129	-0.02129	-0.04664	-0.1231
66	0.2189	0.09028	0.04378	-0.14944	0.01133	0.2189	0.1232	-0.03587
67	-0.04094	0.11563	0.30395	-0.04094	-0.04094	-0.04094	-0.11467	0.09494

68	-0.00236	-0.04185	0.09954	-0.05888	-0.00236	-0.00236	0.29667	0.03611	
69	-0.07076	-0.03075	-0.10952	0.12011	0.0633	0.0633	-0.00138	0.24229	
70	-0.05204	-0.13093	0.02247	-0.17482	-0.05204	-0.05204	0.07477	0.06141	
71	0.12516	-0.01176	0.11688	-0.01973	0.12516	0.12516	-0.18646	0.07912	
72	-0.05589	-0.21148	0.13837	0.01118	-0.05589	-0.05589	-0.10339	-0.06292	
73	-0.10329	-0.09074	-0.13453	-0.0266	-0.04173	-0.01994	-0.01994	0.15207	
74	-0.03018	0.14893	-0.07273	0.02681	-0.03018	-0.03018	-0.02533	0.01684	
75	-0.03567	-0.03567	-0.22033	-0.07758	-0.03567	-0.03567	-0.03567	-0.17356	
76	0.05388	-0.12505	-0.08819	-0.11432	0.05388	0.05388	0.0884	0.12404	
77	-0.1253	-0.1253	0.02791	0.08343	-0.1253	-0.1253	-0.02934	-0.0679	
78	-0.03491	0.27345	-0.01179	-0.09157	0.10529	0.0167	0.00889	0.00654	
79	0.1107	0.01079	-0.05657	0.1107	0.1107	0.1107	0.15051	-0.03973	
80	-0.21556	-0.07607	0.05974	0.01763	-0.21556	-0.21556	-0.21556	-0.14303	
81	-0.07435	-0.12916	0.07065	-0.04513	0.00923	0.00923	0.02423	-0.03331	
82	0.03516	-0.20766	-0.03707	-0.20639	0.03516	0.03516	0.1694	-0.09224	
83	0.04941	0.04032	0.24928	0.01007	-0.28422	0.04941	-0.09032	0.10239	
84	-0.06464	0.17906	-0.05148	0.01826	-0.06464	-0.06464	-0.14367	-0.01915	
85	0.15976	0.05645	0.06716	-0.11684	0.15976	0.0151	0.09371	0.05126	
86	-0.03172	-0.0187	-0.03172	0.04068	-0.03172	-0.03172	-0.03172	0.1574	
87	-0.08728	0.01488	0.11186	0.09448	0.15094	0.15094	0.11195	0.01887	
88	0.08923	-0.0809	0.03294	0.05328	0.08923	0.08923	-0.11302	0.07551	
89	0.04566	-0.0633	-0.00178	-0.03668	-0.13665	0.04566	0.008	-0.19075	
90	0.00512	0.00643	0.01268	-0.0038	0.00512	0.00512	-0.06681	-0.00468	
91	0.07985	0.08349	0.09539	-0.10322	0.07985	0.07985	-0.16501	-0.11849	
92	-0.05196	0.13752	0.15765	0.02636	-0.05196	-0.05196	-0.03421	-0.05196	
93	-0.00256	-0.00256	-0.06023	0.08243	-0.00256	-0.00256	-0.00976	0.10414	
94	0.06769	0.06769	0.00835	0.16164	0.06769	0.06769	0.02841	0.06631	
95	0.00629	-0.09463	-0.09142	-0.02214	0.00629	-0.02214	0.0695	-0.06759	
96	0.15668	-0.0036	-0.02248	-0.02214	0.15668	0.15668	0.14696	-0.04902	
97	-0.13888	-0.13888	-0.13656	-0.13888	-0.10519	-0.13888	0.04868	0.00328	
98	0.07239	0.10835	-0.07725	0.1869	0.07239	0.07239	-0.05041	-0.05776	
99	0.13554	0.13554	-0.11268	-0.06767	-0.0721	0.13554	-0.02188	-0.12909	
100	-0.09348	-0.03745	-0.16841	-0.13631	-0.09348	-0.09348	-0.09348	0.0292	
2032	1	-0.10485	0.13033	0.06019	-0.07961	-0.10485	-0.10485	-0.09797	-0.03101
	2	-0.19903	0.21781	-0.00102	-0.04227	-0.06964	-0.04227	0.12895	0.01038
	3	-0.06874	-0.02476	0.17679	-0.02698	-0.06874	-0.06874	0.05171	-0.06874
	4	-0.08374	-0.00381	0.01917	0.03475	-0.08374	-0.08374	-0.07977	0.0238
	5	-0.03477	0.04743	-0.12066	-0.04911	0.11662	0.11662	0.0253	0.11724
	6	0.1019	-0.04119	-0.09792	-0.17114	0.1019	0.1019	0.1019	-0.10894
	7	-0.00214	0.03752	-0.02642	0.07944	-0.00214	-0.00214	-0.00214	-0.18007
	8	-0.09819	-0.0628	0.10946	-0.08491	-0.03578	-0.03578	0.09122	-0.08534
	9	0.00968	0.07412	0.04515	-0.02302	0.00968	0.00968	0.00968	-0.0081
	10	-0.07343	-0.13565	0.00988	-0.15296	-0.07343	0.00903	-0.045	-0.02467
	11	-0.06035	0.11377	0.02882	0.08685	-0.06035	-0.06035	-0.1462	-0.06035
	12	0.03608	-0.03361	0.07891	-0.01142	0.03608	0.03608	0.08361	0.08002
	13	0.04122	-0.06766	-0.14388	0.01879	0.04122	0.04122	-0.17405	0.20764
	14	0.04536	0.021	0.0903	0.11571	0.07591	0.07591	-0.03708	0.07591
	15	-0.0145	-0.11164	-0.24878	0.01072	-0.0145	-0.0145	0.02894	-0.05497
	16	0.09057	-0.08786	-0.0486	0.17511	0.09057	0.09057	-0.10425	0.09495
	17	-0.02836	0.09988	-0.10393	-0.11744	-0.02836	-0.10393	-0.02167	-0.13657
	18	0.10672	0.01202	-0.06233	0.15241	-0.08212	-0.08212	0.10902	0.13798
	19	-0.23953	-0.2184	-0.08066	0.04107	-0.23953	-0.23953	0.06344	-0.06956
	20	-0.13465	0.06627	0.13222	0.05397	-0.13465	-0.13465	-0.13465	-0.044
	21	-0.00082	0.02932	-0.11459	0.12846	-0.00082	-0.08925	-0.08925	-0.01465
	22	0.07259	-0.08675	0.02313	-0.10766	0.07259	0.07259	0.01757	0.12618

23	-0.04934	-0.02629	-0.03085	-0.20555	-0.04934	0.02287	-0.22259	-0.01061
24	0.06527	-0.0168	-0.09729	-0.04657	0.06527	0.06527	0.11128	0.13892
25	0.19901	-0.11404	0.03876	-0.0976	0.19901	-0.19343	0.28431	-0.19343
26	-0.02537	-0.0434	-0.13308	-0.02537	-0.02537	-0.02537	0.02815	-0.10382
27	0.07502	0.00847	-0.01636	0.08827	-0.01775	-0.01775	-0.04517	-0.0492
28	-0.01306	0.12861	-0.16577	-0.02972	-0.01306	-0.01306	0.04142	0.0094
29	-0.09659	0.11335	0.12332	0.12198	0.19151	0.19151	-0.05978	-0.14601
30	0.06742	0.05331	0.15396	-0.00792	-0.13578	-0.10491	-0.03436	-0.10491
31	0.09193	0.07949	-0.0419	0.02103	0.09193	-0.0419	0.09277	-0.08271
32	0.12189	-0.07816	0.03704	0.03719	0.04402	0.12189	-0.09427	0.03738
33	-0.03436	-0.15508	0.17719	0.00074	-0.03436	-0.03436	-0.12914	0.04104
34	0.0328	0.02419	-0.07054	0.0328	0.0328	0.0328	-0.02228	-0.22884
35	0.06769	0.06769	-0.01063	-0.07004	0.06769	0.06769	-0.11254	-0.08677
36	0.04675	0.10352	0.05396	0.21921	0.04675	0.04675	0.07503	0.04675
37	-0.05493	-0.01017	-0.06726	0.04623	-0.05493	-0.05493	-0.05493	0.17647
38	-0.03012	-0.06342	0.00654	0.06169	-0.03012	-0.03012	-0.00033	-0.03304
39	-0.02995	0.2216	-0.0524	-0.06123	0.08958	0.02209	-0.07026	0.01735
40	0.04026	-0.17861	0.04026	-0.14641	-0.0792	0.04026	0.00933	0.05716
41	0.0547	0.09262	-0.07673	-0.00399	0.0547	0.0547	-0.02257	0.08463
42	-0.02203	-0.05348	0.04227	-0.12637	-0.07176	0.04227	-0.1164	-0.02855
43	-0.10247	-0.15069	-0.13808	-0.0589	-0.10247	-0.10247	0.15929	-0.03871
44	0.09045	0.00789	0.02999	-0.03167	-0.19162	0.09045	0.06507	-0.0538
45	0.04875	-0.09935	0.04875	-0.15314	0.04875	0.04875	-0.20649	0.10837
46	0.07446	-0.03404	0.07446	0.12438	0.07446	0.07446	-0.02736	0.0403
47	0.03392	0.06767	0.09914	-0.08019	0.12633	0.12633	0.06842	0.03533
48	-0.22006	-0.11593	0.02215	0.03438	-0.22006	-0.22006	0.01804	-0.12302
49	0.05616	0.13273	0.04	0.02254	-0.12773	-0.12773	-0.10309	-0.01574
50	0.12895	-0.07306	-0.20731	0.18201	0.05149	0.12895	0.03444	-0.20955
51	-0.01131	-0.01366	-0.0132	0.14989	-0.08845	-0.08845	-0.04742	0.07862
52	-0.10249	-0.19917	0.00073	0.09727	-0.10249	-0.10249	0.17317	0.0171
53	-0.11088	0.04478	0.0646	0.01107	-0.11088	-0.11088	0.00762	-0.0987
54	0.09028	-0.03941	-0.00288	0.05141	0.09028	0.09028	0.04572	0.14986
55	0.02301	0.02545	-0.10234	-0.09272	0.02301	0.02301	-0.13362	0.05958
56	0.19674	0.06055	0.24095	0.19674	0.19674	0.19674	-0.05406	-0.14993
57	0.11111	0.02286	0.16684	-0.0414	0.16684	0.16684	0.11689	-0.08067
58	0.15151	0.33919	0.14486	0.06821	0.00923	0.00923	-0.08167	-0.00848
59	0.05631	-0.00343	-0.04122	-0.02029	0.05631	0.05631	-0.00616	0.00646
60	-0.04104	0.10431	0.10955	-0.16782	-0.04104	-0.04104	0.09936	0.19584
61	0.03052	0.03052	-0.02198	-0.03488	-0.12604	0.03052	0.01974	0.10663
62	-0.01788	-0.01788	-0.01788	-0.12736	-0.01788	-0.01788	0.06475	0.05226
63	0.01608	0.01608	0.01608	0.12673	0.01608	0.01608	0.11761	0.00991
64	0.07357	0.07357	0.00612	0.07357	0.07357	0.07357	-0.0857	0.16548
65	-0.13675	0.02699	-0.13495	-0.02366	-0.13675	-0.13675	0.06855	0.02888
66	0.08585	0.06995	0.09654	-0.09178	0.08585	0.08585	0.08585	-0.04977
67	0.07544	-0.20789	0.21756	0.00922	0.07544	0.07544	0.03725	-0.06585
68	0.11245	-0.08702	-0.04581	0.14249	0.11245	0.11245	0.04054	-0.02342
69	-0.07076	0.09667	0.04073	-0.18714	-0.07076	-0.07076	-0.14097	0.10034
70	-0.05204	-0.05205	-0.0943	-0.05204	-0.05204	-0.05204	0.01095	-0.0368
71	0.12516	0.26073	0.13198	0.03766	0.03425	0.12516	-0.00555	-0.22401
72	-0.05589	-0.15546	0.10755	-0.08064	-0.15584	-0.15584	-0.04822	-0.10176
73	-0.10329	-0.10329	-0.21698	0.01387	-0.10329	-0.10329	-0.06546	0.14465
74	-0.03018	0.01739	-0.11505	0.10258	0.03018	0.03018	-0.21234	-0.00903
75	-0.03846	-0.07628	0.03042	-0.05312	-0.03846	-0.03846	-0.029	0.06459
76	0.05388	-0.0603	0.06739	-0.04121	0.05388	0.05388	0.14632	-0.15761
77	-0.1253	-0.02993	0.07086	0.07641	-0.1253	-0.1253	0.17632	0.01885



78	-0.03491	0.11277	-0.0736	-0.13997	-0.03491	-0.03491	-0.01307	-0.0691	
79	0.1107	-0.00204	-0.05824	0.0536	0.1107	0.1107	-0.08368	-0.11523	
80	-0.21556	0.06069	-0.02943	0.04819	-0.21556	0.06069	0.08764	0.08106	
81	-0.07435	-0.04512	-0.12785	0.15478	-0.07435	-0.07435	0.03632	-0.2391	
82	0.03516	0.09058	0.09119	-0.04404	0.04323	0.04323	-0.10831	-0.03942	
83	0.04941	0.18281	-0.1476	0.01152	0.04941	0.04941	-0.09103	0.21164	
84	-0.06464	-0.01492	-0.03598	-0.07176	-0.06464	-0.04833	0.05519	0.01439	
85	0.15976	-0.11108	-0.05825	-0.02949	0.15976	0.15976	-0.01253	0.10875	
86	-0.03172	-0.22377	0.05496	-0.08598	-0.03172	-0.03172	-0.02598	-0.0648	
87	-0.08728	-0.03816	0.23604	-0.08728	-0.08728	-0.08728	-0.15877	-0.08728	
88	0.06125	-0.00925	0.08342	0.06125	0.06125	0.06125	0.08299	-0.00379	
89	0.01752	0.1617	0.00985	0.01752	0.01752	0.01752	0.01752	0.13259	
90	-0.02131	-0.05879	-0.09827	0.1063	-0.02131	-0.02131	0.16844	0.06848	
91	0.07985	0.02954	0.01493	0.02849	0.07985	0.07985	0.10887	0.04017	
92	-0.05196	-0.08443	0.1229	0.24683	0.0578	-0.05196	-0.05196	-0.10067	
93	-0.00256	0.00041	0.13811	0.0621	-0.00256	-0.00256	-0.01318	-0.07167	
94	0.06769	0.11978	0.04854	-0.22407	-0.02045	0.18304	-0.16869	0.0601	
95	0.00629	-0.08054	0.03021	-0.06023	0.00629	-0.19141	0.09399	0.09057	
96	-0.10176	0.04455	-0.04448	0.07763	-0.10176	0.09674	0.00133	0.09674	
97	-0.13888	-0.13552	-0.22697	-0.14983	-0.13888	-0.13888	-0.06129	-0.14091	
98	0.07239	0.01896	-0.00017	0.01504	-0.06336	0.12837	0.12837	0.02974	
99	0.13554	0.08159	-0.06924	-0.00039	0.09068	0.09068	-0.08168	-0.03413	
100	-0.09348	0.06078	-0.00434	-0.01406	-0.00434	-0.00434	0.01531	-0.12157	
2033	1	-0.16418	0.04677	0.03784	0.09897	-0.16418	-0.16418	-0.16049	-0.13185
	2	-0.19903	-0.12639	-0.05871	-0.05889	0.04032	-0.19903	-0.10322	-0.16532
	3	-0.06874	0.03203	-0.01365	-0.00753	-0.06874	-0.06874	-0.10709	0.05102
	4	-0.08374	0.18291	-0.03082	0.03831	-0.08374	-0.08374	-0.08374	-0.07515
	5	-0.03477	0.14568	0.09295	0.12191	-0.03477	-0.03477	0.09041	-0.11527
	6	0.1019	0.1019	0.06783	-0.04087	0.1019	0.1019	0.1019	-0.02978
	7	0.02616	-0.03055	-0.04887	-0.08244	-0.01241	0.02616	0.10932	-0.06172
	8	-0.09819	-0.05305	-0.18148	-0.13525	0.01777	-0.09819	0.05937	-0.09819
	9	0.00968	0.10346	0.05129	0.04512	0.00968	0.00968	0.20153	0.10842
	10	-0.07343	-0.04857	0.02171	-0.09644	-0.07343	-0.07343	-0.06242	0.07442
	11	-0.06035	-0.0147	-0.06035	0.25729	-0.04233	-0.06035	-0.0232	-0.03857
	12	0.03608	-0.13024	-0.14153	0.08135	0.03608	0.03608	0.07064	0.16895
	13	0.04122	0.01427	-0.08872	0.02031	0.04122	-0.26083	-0.03851	-0.00667
	14	0.04536	-0.00712	0.05379	-0.02856	-0.07544	-0.07544	-0.01203	0.00656
	15	-0.0145	0.10736	0.00547	-0.0136	-0.0145	-0.0145	-0.07779	0.0596
	16	0.09057	-0.16836	-0.00326	0.00017	0.09057	0.09057	0.13866	0.14153
	17	0.1922	0.06445	-0.06781	-0.11439	0.1922	0.10535	0.03284	0.02353
	18	0.10672	-0.08429	0.10672	0.13171	0.10672	0.10672	0.00189	-0.09599
	19	-0.23953	0.08148	0.15692	-0.23953	-0.23953	-0.23953	-0.17845	0.02917
	20	-0.13465	0.00482	0.11416	-0.16625	-0.13465	-0.13465	0.0234	-0.01904
	21	-0.00082	0.14996	-0.12342	-0.12374	-0.00082	-0.00082	0.0617	0.07682
	22	0.07259	0.05023	-0.05957	0.04782	-0.07771	0.07259	0.0512	0.12259
	23	-0.04934	0.06407	0.0269	0.1689	-0.04934	-0.04934	-0.09976	-0.1229
	24	0.06527	0.08715	-0.19305	-0.02545	0.06527	0.06527	0.06527	0.00407
	25	0.19901	-0.09342	0.02372	0.10967	0.19901	0.19901	0.08211	-0.0674
	26	-0.02537	-0.03267	0.1668	0.0913	0.01381	0.01381	-0.13378	0.01583
	27	0.07502	-0.00661	0.04464	0.01496	0.07502	0.02762	-0.00669	-0.01128
	28	-0.01306	-0.01306	0.05886	0.00679	-0.01306	-0.01306	-0.05821	0.05405
	29	-0.09659	-0.29436	0.08464	0.06597	-0.09659	-0.09659	0.02552	0.20031
	30	0.0998	0.03151	-0.0754	-0.1597	-0.00987	0.01005	0.11624	0.08509
	31	0.09193	-0.11898	0.07077	-0.25894	0.09193	-0.11898	0.24747	-0.03979
	32	0.12189	0.1071	0.01121	0.12189	0.12189	0.12189	0.15985	-0.13022

33	-0.03436	0.07978	-0.13873	0.14516	-0.03436	-0.03436	-0.03027	-0.02154
34	0.0328	-0.01289	-0.01008	-0.07804	0.0328	0.0328	0.10186	0.03795
35	0.06769	-0.0716	-0.08831	-0.01066	-0.08831	-0.08831	-0.10585	-0.03752
36	0.06477	-0.03937	0.12681	-0.05878	0.10619	0.10619	-0.21572	0.10619
37	-0.05493	0.0072	-0.03876	0.06952	-0.06525	-0.06525	0.00735	-0.17752
38	-0.03012	0.16611	0.14694	-0.02169	-0.03663	-0.03012	-0.0392	-0.08443
39	-0.02995	-0.14527	-0.08521	-0.09702	-0.02995	0.05368	-0.01933	0.04198
40	-0.14703	-0.14703	-0.023	-0.04586	-0.14703	-0.14703	-0.14703	-0.14703
41	0.0547	0.00559	-0.12498	-0.12101	0.0547	0.0547	-0.04001	0.02532
42	-0.02203	-0.21103	-0.02203	0.09142	-0.02203	-0.02203	0.02132	-0.05054
43	-0.10247	0.03814	0.03491	0.10847	-0.10247	0.00417	0.13197	0.00417
44	0.09045	0.08991	0.03285	-0.09039	0.03285	0.03285	-0.08151	-0.00387
45	0.05203	-0.10412	-0.02064	0.04557	0.05203	0.05203	0.00902	-0.22288
46	0.07446	0.14502	0.00867	-0.0569	0.04812	0.04812	0.02887	0.04812
47	0.03392	-0.04213	0.12434	0.17445	0.02143	0.08624	-0.01069	-0.08616
48	-0.22006	0.10803	-0.22006	0.14543	-0.22006	-0.22006	-0.11498	0.00404
49	0.05616	-0.03528	-0.1638	-0.01889	-0.08984	0.05616	-0.18439	0.12842
50	0.12895	0.06127	0.0446	0.03718	0.05872	0.05872	-0.05281	-0.02062
51	-0.01131	-0.06993	0.14979	-0.15822	-0.01131	-0.01131	-0.01823	-0.01131
52	-0.08894	-0.05891	0.18026	-0.02833	-0.01503	-0.01503	-0.09842	0.06035
53	-0.11088	-0.12868	-0.24404	0.00642	-0.11088	-0.11088	0.20994	0.03602
54	0.09028	-0.08448	0.05619	-0.12864	-0.12864	-0.12864	0.12306	0.22641
55	-0.06394	0.06753	-0.00428	0.08228	-0.03063	-0.06394	0.03871	-0.03039
56	0.19674	0.02341	0.19674	-0.0784	0.19674	0.19674	0.05711	0.19674
57	0.11111	0.04026	0.07461	-0.19048	0.11111	0.11111	0.08521	0.12056
58	0.15151	0.18638	0.01811	-0.04765	0.15151	0.15151	-0.02642	-0.07181
59	0.03731	0.03731	-0.0348	0.06432	0.03731	0.03731	-0.14628	0.03731
60	0.01508	-0.02446	0.01508	-0.01112	0.01508	0.01508	0.08123	0.01508
61	0.03052	0.10254	-0.17644	-0.06612	0.03052	0.03052	-0.05427	0.17179
62	-0.01788	0.08117	-0.00552	-0.03827	0.08117	0.08117	-0.06772	0.10613
63	0.12212	0.03737	0.12212	-0.04067	0.12212	0.12212	0.12539	-0.08983
64	0.07357	0.06708	0.12739	0.01302	0.06967	0.02721	-0.0901	0.02268
65	-0.13675	0.10992	-0.10006	0.11363	-0.13675	-0.13675	-0.13675	0.01132
66	0.09086	-0.18141	-0.13119	0.00897	0.09086	0.03573	0.01594	-0.13715
67	0.05846	-0.03768	0.00385	-0.01818	0.05846	0.05846	-0.00693	0.05846
68	0.11245	0.07161	0.09245	0.11245	0.11245	0.11245	0.12874	-0.0222
69	-0.12005	0.17029	0.03693	-0.06874	-0.12005	-0.12005	0.00187	0.0628
70	-0.05204	-0.08094	-0.07441	0.05498	-0.01005	-0.00458	-0.00458	0.03507
71	0.03721	-0.06407	0.13345	0.03584	0.03721	0.03721	0.04399	0.03721
72	-0.05589	-0.09125	-0.02568	0.16303	-0.05589	-0.05589	0.08544	-0.05589
73	-0.089	-0.13609	0.21397	-0.089	-0.089	-0.089	-0.14298	0.15149
74	-0.03018	-0.11532	-0.04752	0.07326	0.0991	-0.03018	0.02709	0.09433
75	-0.03846	0.0203	0.06864	0.09831	-0.03846	-0.06626	0.0573	-0.03212
76	0.00881	0.00953	-0.10504	-0.18831	0.00881	0.00881	-0.20611	-0.08305
77	-0.1253	-0.15801	0.05591	-0.15801	-0.15801	-0.15801	-0.04668	-0.00976
78	-0.16023	0.04647	0.04647	0.03891	0.04647	0.04647	-0.02446	-0.11299
79	0.1107	0.1107	-0.01863	-0.16148	0.1107	0.1107	-0.11859	-0.17654
80	-0.21556	-0.04229	0.01988	0.22321	-0.1809	-0.1809	-0.02624	-0.0399
81	-0.07435	-0.05	-0.05016	0.14863	-0.07435	-0.07435	0.20299	-0.06738
82	0.03516	0.18275	-0.02635	0.20684	0.10226	0.10226	-0.18459	0.04273
83	0.04941	-0.07414	-0.11414	0.02269	0.04941	0.05117	0.03371	0.05772
84	-0.06464	0.14807	-0.06133	0.09537	0.03604	0.03604	-0.10173	0.02624
85	0.038	0.08805	0.12048	-0.07836	0.04097	0.08799	0.06412	-0.21673
86	-0.03172	-0.09312	0.07787	-0.11732	-0.03172	-0.11732	-0.03185	0.2413
87	-0.08728	0.02559	-0.15438	-0.0654	-0.08537	-0.08537	-0.05074	-0.07846

88	0.06125	-0.02905	0.05422	-0.09471	-0.03106	-0.03106	-0.01745	-0.10901
89	0.00236	-0.06002	-0.23672	-0.31786	-0.05059	-0.05059	0.10577	0.00104
90	-0.02131	-0.16669	-0.09182	0.11088	-0.02131	-0.02131	-0.00638	-0.12914
91	0.07985	-0.10782	0.16354	0.04015	0.07985	0.07985	-0.12355	0.07985
92	-0.05196	0.07861	-0.01541	-0.03496	0.15902	0.15902	-0.1353	0.13329
93	-0.00256	-0.00974	-0.07629	0.03022	-0.00256	-0.01456	0.08722	-0.09348
94	0.06769	-0.14599	0.08209	0.08173	0.08209	0.08209	0.04615	0.07551
95	0.15014	0.01717	0.02664	0.05331	0.15014	0.15014	-0.05467	-0.01853
96	-0.10176	0.03949	-0.10176	-0.10541	-0.10176	-0.10176	-0.10176	0.01284
97	-0.13888	0.12231	0.09889	-0.0406	-0.07877	-0.07877	0.00291	0.1143
98	0.07239	0.01206	0.05174	-0.02205	0.07239	0.07239	-0.0739	-0.03016
99	0.13554	-0.01413	0.00758	-0.13705	-0.14299	0.13554	0.13244	-0.00633
100	-0.09348	0.05861	-0.01041	-0.01027	-0.09348	-0.09348	0.06832	-0.04894

2034

1	-0.16418	-0.0602	0.07648	-0.00853	-0.16418	-0.16418	-0.10882	0.02391
2	-0.19903	-0.19903	0.15106	0.06769	-0.19903	-0.19903	0.11375	0.06957
3	-0.06874	0.11397	-0.14963	0.00674	-0.13071	-0.06874	0.15556	-0.0609
4	-0.08374	-0.08374	0.00203	-0.17347	-0.08374	-0.08374	-0.00517	0.04423
5	-0.03477	-0.10215	0.19865	0.04401	-0.03477	0.0154	-0.04445	0.00977
6	0.1019	-0.0013	-0.03055	-0.06298	0.10137	0.10137	0.16874	-0.18923
7	0.02616	-0.02028	0.00938	-0.04345	0.02616	0.00938	0.00461	-0.01101
8	0.07544	-0.06864	0.03579	0.06278	0.0444	-0.10829	0.08848	-0.08628
9	0.00968	0.00247	-0.00563	0.27966	0.00968	0.00968	0.06224	0.12112
10	-0.07343	-0.02644	-0.23505	0.02	-0.07343	-0.07343	0.03877	0.18766
11	-0.06035	0.05176	-0.06134	0.30108	0.30108	0.30108	0.08157	0.10161
12	-0.00797	-0.14213	-0.08454	0.02913	0.05369	-0.08454	0.02626	-0.02388
13	0.04122	0.03804	-0.04281	-0.09123	0.04122	0.04122	0.01267	0.02891
14	0.04536	0.01584	0.11555	0.12614	0.04536	0.04536	-0.08799	0.14709
15	-0.0145	-0.04927	0.08696	0.09429	-0.0145	-0.0145	-0.03782	-0.03961
16	0.09057	0.09706	-0.08652	-0.01859	-0.06496	-0.06496	-0.0152	-0.07416
17	0.1922	0.00019	-0.02397	-0.0369	0.00019	0.00019	-0.06363	0.05557
18	0.10672	-0.11785	-0.07871	-0.07818	0.10672	0.10672	-0.17402	-0.10786
19	-0.23953	0.07863	0.01339	-0.13172	-0.19712	-0.19712	-0.1584	-0.13266
20	-0.13465	0.25348	-0.13465	0.1384	-0.13465	-0.13465	-0.07055	-0.02875
21	0.03677	0.14934	0.18061	0.03677	0.03677	0.03677	-0.09116	0.03677
22	0.07259	-0.04205	-0.12972	-0.14668	0.08408	-0.08865	-0.08865	0.05448
23	-0.04934	0.08929	0.02767	0.00397	-0.04934	-0.04934	0.14244	-0.03896
24	0.06527	-0.02755	0.05113	0.10834	0.06527	0.06527	-0.11377	0.0117
25	-0.06865	0.00313	-0.03023	-0.06865	-0.06865	-0.06865	0.12181	0.10093
26	-0.02537	-0.02537	0.06306	0.1356	-0.02537	-0.02537	-0.16499	-0.01591
27	0.07502	0.06744	-0.17932	0.04564	0.07502	0.07502	0.07502	0.07502
28	-0.01306	0.20267	0.0811	0.06414	-0.01306	-0.01306	-0.01861	-0.11443
29	-0.09659	0.10998	0.10987	-0.30838	-0.09659	-0.09659	-0.09659	-0.09072
30	0.0998	-0.12336	-0.02001	-0.12336	-0.12336	-0.12336	-0.03214	0.03645
31	0.09193	-0.07805	-0.09797	0.02921	0.09193	0.09193	-0.07813	-0.27277
32	0.12189	0.03996	0.15016	-0.05673	0.12189	0.12189	-0.13345	-0.03021
33	-0.03436	-0.0974	0.06067	-0.00746	0.0362	0.06067	0.16575	0.01378
34	0.0328	-0.185	-0.12112	-0.03096	0.0328	0.0328	-0.06428	0.0328
35	0.06769	0.06769	0.06769	-0.02516	0.06769	0.06769	0.01421	-0.00348
36	-0.02735	0.07715	0.00435	-0.04446	-0.05249	-0.05249	0.09864	-0.15445
37	-0.05493	-0.13464	-0.08023	0.01778	-0.05493	-0.05493	-0.05493	0.04796
38	-0.03012	0.01501	0.21029	-0.10086	0.21029	0.21029	0.07302	-0.07464
39	-0.02995	-0.11148	-0.0058	0.09203	-0.02995	-0.05798	0.05618	0.11433
40	-0.14703	-0.0187	-0.04442	-0.11172	-0.14703	0.09866	0.00913	0.07179
41	0.0547	-0.03396	-0.11393	0.0547	0.0547	0.0547	0.02526	0.0547
42	-0.02203	0.1624	0.03479	0.00621	-0.02203	-0.02203	-0.07643	-0.06026

43	-0.07747	-0.12561	-0.06107	-0.11107	0.01391	-0.07747	0.06361	-0.0391
44	0.09045	-0.07151	0.00221	0.05039	0.09045	0.09045	0.08602	-0.13237
45	0.05203	-0.0886	-0.03853	-0.20041	-0.03743	-0.17034	0.17435	0.10769
46	0.07446	-0.00602	-0.18303	0.07948	0.08958	0.0519	0.07679	0.04097
47	-0.04077	-0.02393	-0.14775	-0.12851	-0.04077	-0.04077	-0.04018	0.02765
48	-0.22006	-0.06131	-0.0997	-0.00291	0.02831	-0.00753	0.04563	0.22071
49	0.05616	0.17518	0.11561	-0.01927	0.05616	0.05616	-0.13137	0.05616
50	-0.1567	0.00544	-0.01036	-0.07646	-0.1567	-0.03186	-0.05297	0.01916
51	-0.11845	-0.14773	0.13399	0.08858	-0.11845	0.13399	0.01244	-0.02541
52	-0.08894	0.06873	0.02147	0.03515	-0.08894	-0.08894	-0.01545	0.06277
53	-0.11088	0.03856	0.07947	-0.10145	-0.11088	-0.11088	-0.11405	-0.07036
54	0.09028	-0.18635	0.0945	0.05682	0.09028	0.09028	-0.01091	0.08511
55	-0.06394	0.05296	-0.05002	-0.03391	-0.06394	-0.06394	-0.03266	-0.00375
56	0.02575	0.11621	-0.02032	0.02518	0.03611	0.03611	0.13644	0.07648
57	0.07943	-0.04603	0.07943	0.17202	0.07943	0.07943	0.12619	-0.18018
58	0.15151	0.09795	0.041	0.11157	0.06248	0.06248	-0.16789	-0.02002
59	0.03731	0.03345	0.20195	-0.04173	-0.0672	-0.0672	-0.10117	-0.12746
60	0.01508	0.02516	-0.08082	0.16231	0.01508	0.01508	0.01508	-0.09085
61	0.03052	0.20105	0.0429	-0.04172	0.09046	0.09046	0.0822	0.09729
62	0.2301	-0.11051	0.16524	-0.14586	0.2301	0.2301	0.17136	-0.06001
63	0.12212	0.12212	0.06033	-0.10799	0.12212	0.12212	-0.00721	0.30643
64	0.07357	0.07589	-0.08326	0.11514	0.07357	0.07357	-0.04192	0.07357
65	-0.04935	0.13367	-0.10266	0.00711	-0.07031	-0.04935	0.064	0.12923
66	0.09086	0.09086	-0.12828	0.09086	0.05096	0.09086	0.13428	0.05216
67	0.05846	-0.13407	0.10789	0.0327	0.05846	0.05846	0.04274	0.06447
68	0.11245	-0.05067	0.14008	-0.01077	0.11245	0.11245	0.02743	0.02532
69	-0.12005	0.00337	-0.05943	-0.02462	-0.12005	-0.12005	0.08558	-0.04981
70	0.14824	-0.02827	0.06947	0.02252	0.14824	0.14824	-0.03353	-0.03623
71	0.03721	-0.0085	-0.01765	0.06776	-0.0085	-0.0085	-0.10678	-0.14322
72	-0.05589	-0.17	-0.24696	-0.06274	-0.05589	-0.05589	-0.09416	-0.20225
73	0.02068	0.08944	0.00364	-0.07765	0.02068	0.02068	-0.15079	-0.01171
74	0.10411	0.10411	0.01388	0.14146	0.10411	0.10411	0.11126	0.10411
75	-0.03846	-0.08189	-0.04857	0.05383	-0.02516	-0.02516	-0.06161	-0.08706
76	0.00881	0.10583	-0.00378	-0.03424	0.13634	0.13634	-0.0767	0.13634
77	0.03823	-0.09545	-0.10595	0.16774	0.03823	0.03823	-0.02486	0.03823
78	-0.16023	0.04449	-0.16023	0.0499	-0.16023	-0.16023	0.00254	-0.07216
79	0.1107	0.03468	0.09444	-0.20077	-0.07873	0.13001	-0.24044	0.13001
80	-0.21556	0.06307	0.0278	0.09598	-0.21556	-0.21556	0.01804	-0.1209
81	-0.07435	-0.09759	0.20699	-0.03029	-0.07726	-0.07726	-0.09733	-0.11103
82	0.03516	0.08115	-0.04102	0.05667	0.00814	0.03516	-0.13018	-0.00986
83	0.04941	-0.05245	0.00168	0.04941	0.04941	0.04941	0.06987	0.00383
84	-0.06464	-0.07495	-0.21482	-0.06838	-0.06464	0.08344	0.04306	0.04056
85	0.038	0.05509	-0.16161	0.01679	0.038	0.038	-0.02308	0.038
86	-0.03172	0.01548	0.0132	-0.21595	-0.03172	-0.03172	-0.12242	0.06587
87	0.09867	0.15712	0.05592	0.13351	0.05655	0.03582	-0.26263	0.01415
88	0.06125	0.06597	0.11259	-0.12494	0.06597	0.06597	-0.07038	-0.07505
89	0.00236	-0.14218	0.10162	-0.09489	0.00236	0.00236	-0.04777	-0.02777
90	-0.02131	0.04289	-0.03607	-0.06717	0.02509	-0.02131	-0.03276	-0.01578
91	0.01936	-0.03227	-0.06196	-0.0496	0.01936	0.01936	-0.063	0.01936
92	-0.05196	-0.02454	0.04111	0.07971	-0.05196	-0.05196	0.09853	-0.1334
93	0.06884	0.00275	-0.11825	-0.00479	0.2233	0.06884	0.00046	-0.25776
94	0.19473	0.08603	0.08037	0.08499	0.19473	-0.11542	0.02421	-0.05724
95	0.15014	-0.11494	-0.06989	-0.02438	-0.15214	-0.15214	0.26538	0.09566
96	-0.10176	-0.00077	-0.09813	0.04187	-4.1E-05	-4.1E-05	-4.1E-05	0.08406
97	-0.13888	-0.20101	-0.02328	0.02873	-0.13888	-0.13888	0.15084	0.11676

	98	0.1497	0.02727	-0.0013	-0.1334	0.1497	0.1497	0.03588	0.1497
	99	-0.07169	0.18697	0.14521	0.1125	0.0391	-0.07169	0.05328	-0.04927
	100	-0.09348	0.12468	0.02705	0.17281	-0.09348	-0.09348	0.10708	0.13235
2035	1	-0.16418	-0.12876	-0.07996	0.11216	-0.16418	-0.16418	0.11264	-0.21695
	2	-0.06397	-0.03657	-0.11835	-0.19895	-0.06397	-0.06397	-0.01109	-0.09369
	3	-0.06874	0.029	-0.03419	0.13206	-0.06874	-0.06874	0.16059	-0.06874
	4	-0.08374	-0.08374	-0.04405	0.02905	-0.08374	-0.08374	0.19182	-0.00617
	5	-0.03477	6.9E-05	0.00886	0.17335	-0.03477	-0.03477	0.09744	0.02978
	6	0.1019	-0.06865	0.09816	-0.00772	-0.15186	0.1019	0.1019	0.00429
	7	0.02616	0.06062	0.02616	-0.08005	0.02616	0.02616	-0.02656	0.05745
	8	0.07544	-0.08823	-0.10143	-0.03708	0.14204	0.14204	0.06081	-0.06353
	9	0.00968	-0.12383	-0.00165	0.07031	0.00968	0.00968	-0.01932	0.14562
	10	-0.07343	-0.27466	0.0174	-0.06322	0.16426	0.10908	-0.12485	0.08723
	11	-0.06035	-1.1E-05	-0.02256	0.04928	0.07225	0.07225	-0.04999	0.08316
	12	-0.01899	0.01399	-0.17151	0.00244	-0.01899	-0.01899	0.00495	0.18659
	13	0.04122	0.15391	0.06903	0.08536	0.09575	0.09575	0.07667	0.11157
	14	0.04536	0.09029	0.1078	-0.019	0.04536	0.04536	0.04536	-0.04115
	15	-0.0145	0.1689	0.03251	-0.0145	-0.0145	-0.0145	0.01885	0.04345
	16	0.09057	-0.01264	-0.05942	0.01302	-0.03301	-0.03301	-0.08649	-0.02477
	17	0.1922	0.04855	0.21984	-0.11733	0.03936	0.03936	-0.14644	-0.02733
	18	0.10672	-0.0599	0.14685	-0.09748	-0.08992	-0.08992	-0.21947	-0.08206
	19	-0.19319	-0.19319	-0.13671	-0.04175	-0.19319	-0.19319	-0.19319	-0.15074
	20	-0.13465	0.07442	0.06648	0.0584	-0.13465	-0.08306	-0.08259	-0.11461
	21	0.21249	0.02206	-0.03899	-0.06641	0.21249	-0.05323	-0.12683	0.05111
	22	0.07259	0.04169	-0.06109	-0.08216	0.07259	0.07259	-0.06603	0.09091
	23	-0.04934	-0.22111	0.1748	0.03386	0.01462	0.01462	0.05775	-0.0877
	24	0.06527	-0.07064	0.07033	0.04065	-0.15583	-0.15583	0.03762	0.08383
	25	-0.06865	-0.01671	0.13764	0.10495	-0.06192	-0.18334	-0.18334	-0.0748
	26	-0.02537	-0.04822	-0.08855	-0.09288	-0.02537	-0.02537	-0.0143	-0.04856
	27	0.07502	-0.00125	0.07502	0.07494	0.07502	0.07502	-0.08389	-0.11566
	28	-0.01306	-0.12863	-0.12705	-0.13507	-0.01306	-0.01306	-0.01306	-0.01317
	29	-0.09659	-0.09659	-0.09659	-0.00669	0.00383	-0.09659	-0.03344	0.01763
	30	0.0998	-0.10607	-0.01353	-0.03965	0.0998	0.0998	-0.16364	-0.03326
	31	0.09193	0.09193	-0.03301	0.00513	0.09193	0.09193	0.02359	0.10587
	32	0.12189	-0.06657	0.02499	0.06573	0.12189	0.00221	-0.01245	0.03236
	33	-0.03436	0.19372	0.09367	0.1325	-0.03436	-0.03436	-0.03436	-0.14836
	34	0.0328	0.0328	-0.1613	-0.02859	0.0328	0.0328	0.05158	0.17999
	35	0.06769	0.1614	-0.30594	-0.10463	0.13997	0.06769	0.10112	0.14093
	36	-0.02735	0.06371	0.11536	-0.18318	0.11536	0.11536	-0.09156	-0.06373
	37	-0.05493	0.10969	0.11064	0.24387	-0.05493	-0.05493	-0.05493	0.06298
	38	0.01818	-0.09882	0.0562	-0.01905	0.09813	-0.026	0.00617	0.00298
	39	0.10454	-0.03421	0.03607	0.02174	0.08666	0.08666	0.12043	-0.00506
	40	-0.14703	0.08194	-0.14703	0.09271	-0.01609	-0.14703	0.07223	-0.20166
	41	0.12566	0.12352	0.00016	0.10523	0.00717	0.00717	0.06766	0.23956
	42	-0.02203	-0.09079	0.09903	-0.01259	-0.02203	-0.02203	0.02185	0.05778
	43	-0.07747	-0.07747	-0.07747	-0.02806	-0.07747	-0.07747	-0.04089	-0.05441
	44	0.09045	0.06318	-0.01429	0.09045	0.17829	0.09045	0.17258	0.08359
	45	0.05203	0.09547	-0.03587	-0.07276	0.05203	0.11333	0.11333	0.11333
	46	0.07446	0.07446	0.05237	0.16785	0.07446	0.07446	0.07446	-0.09156
	47	-0.04077	-0.01358	0.02503	-0.15626	-0.04077	-0.04077	0.11229	-0.04077
	48	-0.22006	0.00887	0.1047	0.01869	-0.18533	-0.22006	-0.22006	-0.18258
	49	0.05616	0.07253	-0.04653	0.02755	0.05616	0.05616	0.04658	-0.15991
	50	-0.1567	-0.1567	0.14052	0.06387	-0.06181	-0.1567	0.06629	0.00327
	51	-0.11845	-0.00303	-0.08182	-0.0447	-0.11845	0.02074	-0.08035	-0.04732
	52	-0.08894	0.03341	0.07136	0.04361	-0.08894	0.0301	-0.02941	-0.02671

53	-0.11088	-0.0332	0.0262	-0.21432	-0.08139	-0.08139	-0.19226	0.11696	
54	0.09028	-0.30143	-0.17344	0.07814	0.09028	0.09028	0.09028	-0.08345	
55	-0.06394	-0.11576	-0.15498	0.08598	-0.06394	-0.06394	-0.05497	-0.06394	
56	0.02575	0.05066	-0.00334	0.0041	-0.03672	0.02575	0.02575	0.03453	
57	0.07943	0.18405	-0.09955	-0.10436	-0.01333	-0.19254	-0.19254	0.0869	
58	0.15151	0.02107	-0.11333	-0.00679	0.15151	0.15151	0.15151	0.13257	
59	0.03731	0.13097	0.05303	0.15164	-0.1391	-0.1391	-0.1045	0.04576	
60	0.01508	-0.06357	-0.06472	-0.08973	0.01508	0.01508	-0.16099	-0.12809	
61	0.03052	-0.02225	-0.14834	-0.14758	0.03052	0.03052	-0.07891	-0.05128	
62	0.2301	-0.04724	0.2301	0.2301	0.2301	0.2301	-0.03202	0.07105	
63	0.12212	0.01668	-0.12444	-0.10544	0.12212	-0.06727	0.07831	-0.00575	
64	0.07357	0.05478	0.05515	-0.25515	0.04533	0.04533	-0.0127	-0.09529	
65	-0.04935	-0.04935	0.07921	-0.06717	0.06877	-0.04935	0.09042	-0.25665	
66	0.09086	-0.12577	0.02341	0.09998	0.09086	0.09086	0.12951	0.28059	
67	0.09849	0.05242	0.08658	0.083	0.09849	0.09849	0.09849	0.14305	
68	0.11245	0.11245	-0.03021	0.00578	0.11245	0.11245	0.11245	-0.01753	
69	-0.12005	-0.00278	0.03582	-0.03316	-0.12005	-0.12005	-0.0048	0.00983	
70	0.14824	0.03385	0.00909	0.02792	0.14824	0.14824	-0.22166	0.06382	
71	0.03721	0.08936	0.2753	0.06051	0.03721	0.03721	-0.05232	-0.06556	
72	-0.05589	-0.10011	0.04993	0.17907	-0.05589	-0.05589	0.18267	0.05028	
73	0.02068	0.00366	0.13568	0.01593	0.02068	0.02068	0.05797	0.12421	
74	-0.06678	0.07256	-0.05038	0.11934	-0.06678	-0.06678	0.03606	0.02138	
75	-0.03846	-0.08114	-0.00904	-0.09542	-0.03846	-0.03846	0.01165	-0.07799	
76	0.13963	-0.05906	-0.19182	0.13184	-0.04713	0.13963	0.11694	-0.15007	
77	0.03823	-0.0287	0.10921	-0.07959	0.10852	0.03823	-0.148	0.0986	
78	-0.16023	-0.1844	-0.10124	-0.04907	0.2158	-0.16023	-0.10619	-0.11664	
79	-0.21685	0.12443	-0.01464	-0.01474	0.14494	0.14494	0.04414	0.14494	
80	-0.21556	0.19024	-0.0552	-0.00268	-0.21556	-0.21556	-0.05473	0.02703	
81	-0.07435	0.01214	-0.01173	-0.05177	-0.07435	-0.07435	0.12556	-0.18469	
82	0.05117	-0.0061	0.11939	0.0738	-0.07051	0.05117	-0.13415	0.13719	
83	0.04941	-0.23701	-0.16658	0.09688	0.04941	0.04941	-0.00586	0.12172	
84	-0.06464	0.07078	0.02522	0.17319	0.07078	0.07078	-0.02094	-0.09975	
85	0.038	0.01421	-0.08553	-0.00827	0.038	0.038	0.22588	0.02281	
86	-0.03172	-0.05487	-0.06746	-0.06761	-0.03172	-0.03172	-0.03864	0.07096	
87	0.09867	0.03396	0.07573	0.00838	0.09867	0.09867	0.042	0.09867	
88	0.06125	0.15843	0.16997	0.03546	0.06125	0.06125	0.13365	0.06125	
89	0.01157	-0.13199	0.01157	-0.08576	0.01157	0.01157	0.00196	0.01157	
90	-0.02131	-0.03192	0.03662	-0.02131	-0.02131	-0.02131	0.03696	0.17955	
91	0.01936	-0.07918	0.00894	0.12579	0.09065	0.09065	-0.16689	-0.05597	
92	-0.1077	-0.12404	-0.1077	0.16305	-0.1077	-0.1077	-0.02708	0.09887	
93	0.06884	0.0561	0.06523	-0.11937	-0.08279	-0.08279	-0.09627	-0.15491	
94	-0.15415	0.17758	-0.02575	-0.05848	-0.15415	-0.15415	-0.11447	0.05843	
95	0.15014	0.03989	-0.03986	0.02358	0.15014	0.15014	0.06031	0.03653	
96	0.06133	-0.09754	0.04976	-0.03248	0.06133	0.06133	0.02159	0.0037	
97	-0.13888	0.08739	-0.12354	-0.34601	-0.13888	0.17474	-0.06183	0.17474	
98	0.1497	-0.01666	0.08926	0.05202	0.1497	0.1497	0.0968	-0.05022	
99	-0.07169	0.08119	-0.14373	-0.12915	-0.07169	-0.07169	-0.07169	-0.07169	
100	-0.09348	-0.04855	-0.05516	-0.01331	-0.03746	-0.03746	0.07366	-0.02014	
2036	1	-0.16418	-0.16418	0.03062	0.02484	0.07609	-0.16418	0.04675	0.04282
	2	-0.06397	0.04932	-0.00999	0.0269	0.04932	0.04932	0.05474	-0.19005
	3	-0.06874	-0.01722	-0.06874	-0.0131	-0.06874	-0.06874	0.23177	0.02053
	4	-0.08374	0.05887	0.19571	-0.02641	-0.08374	-0.08374	0.03491	-0.12293
	5	-0.03477	-0.11242	-0.09402	0.16675	-0.03477	-0.11242	-0.22817	-0.0178
	6	0.1019	-0.06084	0.0453	-0.04589	0.1019	0.22137	-0.06454	-0.09778
	7	0.02616	0.09486	0.14346	-0.13431	0.02616	0.02616	-0.07467	0.05415

8	0.07544	-0.04589	-0.06154	-0.12578	-0.05822	0.22102	0.0181	0.00614
9	0.00968	-0.13164	0.08147	-0.00375	0.00968	-0.03178	-0.12762	-0.03178
10	-0.07343	0.01168	-0.04182	-0.01622	-0.01622	-0.01622	0.12746	-0.01622
11	-0.00734	0.12356	-0.21713	0.07116	-0.00734	-0.00734	-0.0904	-0.04649
12	-0.01899	0.07837	-0.01495	0.06697	0.07741	0.07741	-0.04964	0.09213
13	0.04122	0.02146	0.06639	0.03972	0.04122	-0.13923	-0.02875	0.07575
14	0.04536	-0.10604	-0.07017	-0.07422	0.04536	0.04536	0.00353	-0.00086
15	-0.0145	-0.19992	-0.1267	0.0025	0.0025	0.0025	-0.16407	-0.14639
16	0.09057	0.0265	0.00831	0.00011	0.09057	0.09057	-0.00574	-0.05855
17	-0.0459	0.04405	0.11092	0.11237	0.05299	0.0203	0.07939	0.11382
18	0.00485	0.16578	0.00485	-0.19752	0.00485	0.00485	0.13486	0.22158
19	-0.19319	-0.00827	-0.03285	-0.05871	-0.0831	-0.19319	0.08505	-0.03393
20	-0.13465	-0.09372	0.02529	0.14273	-0.10673	-0.05957	-0.02191	-0.07963
21	0.05862	0.0381	0.12277	-0.17987	0.05862	0.05862	0.05862	0.05862
22	0.07259	-0.03151	-0.02893	0.12026	0.07259	0.07259	0.01348	0.07259
23	-0.04934	-0.01511	-0.0009	-0.04142	0.18599	0.18599	-0.04242	0.04494
24	0.07667	0.10727	-0.01939	0.03692	0.07667	0.07667	-0.07948	-0.00498
25	-0.02582	0.14678	0.26078	0.0751	-0.02582	-0.02582	-0.02582	0.05609
26	-0.02537	-0.07252	0.10084	-0.03322	0.19842	-0.03352	-0.03352	0.07012
27	0.07502	0.10574	-0.07868	0.04099	0.10574	0.10574	0.16738	-0.13629
28	-0.01306	-0.11304	0.0778	-0.0938	-0.02337	-0.02337	-0.0613	-0.28756
29	0.13346	-0.09597	-0.1527	-0.07711	0.13346	0.13346	0.02709	0.17038
30	-0.11348	0.00322	0.04982	0.20246	-0.11348	0.00196	0.00148	0.08609
31	0.09193	0.02469	0.06699	-0.06165	-0.07174	-0.07174	0.0608	-0.06549
32	0.12189	0.05108	0.12189	0.02076	-0.01962	0.12189	-0.14743	0.16336
33	-0.03436	-0.05099	0.00585	-0.0181	0.14631	0.14631	0.14109	-0.01796
34	0.0328	0.05761	-0.05243	-0.00622	0.0328	0.0328	-0.02646	-0.0318
35	0.06769	0.08212	-0.08869	0.06769	0.06769	0.06769	0.07099	0.11168
36	-0.02735	0.2539	-0.0664	0.00173	0.09722	0.09722	0.04019	1.3E-05
37	-0.05493	-0.00342	0.15922	0.155	-0.05493	-0.05493	-0.00294	-0.10511
38	0.01818	-0.0594	0.0287	-0.12186	0.01818	0.01818	0.08918	0.03005
39	0.10454	0.0949	0.01911	0.05516	0.10454	0.10454	-0.22053	-0.08893
40	-0.14703	-0.13153	-0.20608	0.10277	-0.14703	-0.14703	-0.12104	-0.14703
41	0.12566	0.08645	0.12566	-0.044	0.12566	0.12566	-0.10459	-0.14787
42	-0.20581	-0.02786	-0.03369	-0.20581	-0.20581	-0.20581	-0.20581	-0.09895
43	0.0706	-0.07381	-0.01086	-4.3E-05	-0.1637	-0.1637	0.06432	0.05731
44	0.09045	0.08389	0.07053	0.05409	0.09045	0.09045	0.07851	-0.07867
45	0.05203	-0.13225	0.12502	-0.22489	-0.22489	-0.22489	-0.15829	-0.22489
46	-0.02461	0.1788	-0.19073	-0.17859	-0.02461	-0.02461	0.03529	0.17497
47	-0.04077	0.00831	0.02152	-0.01817	-0.04077	-0.04077	0.04689	-0.10422
48	-0.22006	0.11877	0.00248	-0.02632	-0.21387	-0.07877	-0.02623	-0.0067
49	0.05616	0.02787	-0.08399	0.05616	0.05616	0.05616	-0.05648	-0.06662
50	0.00448	-0.00827	-0.01384	0.04457	0.00448	0.00448	0.14871	-0.17023
51	-0.11845	-0.0598	0.15609	-0.00357	-0.00357	-0.00357	-0.04279	0.04567
52	-0.08894	-0.18067	-0.04196	0.09255	-0.08894	-0.08894	-0.00954	0.06974
53	-0.11088	0.13833	-0.08859	-0.09811	-0.11088	0.05079	-0.08113	-0.01672
54	0.09028	-0.1098	0.19489	0.26159	0.09028	0.02946	0.08759	0.08847
55	-0.06394	-0.01678	-0.06127	-0.01678	-0.01678	-0.01678	-0.01312	0.00921
56	0.02575	0.05364	-0.12311	-0.07779	0.02575	0.02575	0.12151	0.01839
57	0.07943	0.01655	0.04966	-0.11539	-0.10087	-0.10087	-0.09924	-0.02554
58	0.15151	0.04579	0.05354	0.08307	0.15151	0.15151	0.29425	0.12133
59	0.03731	-0.08493	0.02537	0.02965	0.03731	0.03731	0.00505	0.03453
60	0.01508	-0.04632	-0.16246	0.17653	0.17653	0.17653	0.01492	0.1585
61	0.03052	0.09164	0.08348	0.11746	0.03052	0.03052	0.11065	0.01397
62	0.2301	0.04131	0.08634	0.13281	-0.0206	0.2301	-0.07432	-0.09179

63	0.12212	-0.2049	0.03796	0.12212	0.12212	0.12212	0.07767	0.04941	
64	0.07357	0.00747	-0.01066	0.22954	0.07357	0.15528	-0.09703	0.07139	
65	0.09729	-0.15484	-0.09559	0.00893	0.09729	0.09729	0.03302	-0.05363	
66	0.07287	0.14051	-0.03979	-0.01021	0.07287	0.07287	0.02094	0.07287	
67	0.09849	0.07236	-0.07574	-0.11981	0.09849	0.09849	0.09142	0.12079	
68	-0.11822	-0.0826	0.13209	-0.19202	-0.19713	-0.19713	-0.03171	-0.16944	
69	-0.12005	0.06169	0.00637	0.06874	-0.12005	-0.12005	-0.0208	-0.03989	
70	0.14824	-0.11266	-0.0341	-0.13176	-0.02943	0.14824	-0.11465	0.06104	
71	0.03721	0.17382	0.05498	-0.06558	0.13724	0.03721	0.03721	-0.01935	
72	-0.05589	-0.00119	0.22858	0.04301	0.09639	0.09639	0.16863	0.09639	
73	0.18797	0.03686	0.01864	0.09294	-0.13733	0.08059	0.05599	0.02662	
74	-0.06678	-0.04825	-0.1588	0.03178	-0.06678	-0.06678	0.01197	0.16815	
75	-0.03846	0.02232	-0.24216	-0.03846	-0.03846	-0.03846	-0.06326	0.14353	
76	0.13963	-0.05986	0.04762	-0.07894	0.12677	0.12677	-0.15577	-0.12016	
77	0.03823	-0.03705	-0.01544	0.01333	-0.12201	-0.11095	0.15059	0.00893	
78	-0.16023	-0.16023	-0.05754	-0.01724	-0.16023	-0.16023	0.04939	-0.14328	
79	-0.15925	-0.02388	0.10785	-0.03599	-0.15925	-0.15925	-0.19319	0.09605	
80	-0.21556	0.12789	-0.11637	-0.21556	0.00195	-0.21556	-0.01189	-0.08269	
81	0.01179	0.11589	-0.07191	-0.13667	0.11589	0.11589	0.11589	-0.12959	
82	0.05117	-0.05322	-0.06091	0.05849	0.05117	0.05117	0.05117	-0.05057	
83	0.04941	-0.08332	0.26711	0.03355	0.04941	0.04941	-0.06955	-0.02862	
84	-0.06464	0.17401	-0.15491	-0.0048	-0.06464	-0.06464	-0.03777	-0.06946	
85	0.038	0.00152	0.04496	0.25241	0.25365	0.25365	0.04342	-0.18438	
86	-0.03172	0.06881	0.01559	-0.05402	0.01814	-0.10957	0.07157	0.11173	
87	0.09867	0.15629	0.14282	0.04658	0.09867	0.09867	0.02117	-0.10764	
88	0.06125	-0.11804	0.05366	0.14403	0.06125	0.06125	0.06355	-0.09364	
89	0.01157	0.10691	-0.01168	0.10809	0.01157	0.01157	-0.23547	0.0452	
90	-0.02131	-0.09238	0.0819	-0.09295	-0.11259	0.08291	0.10982	0.03421	
91	0.01936	0.01936	-0.02147	0.08695	0.01936	0.01936	-0.10539	0.18302	
92	-0.1077	0.02989	0.09503	-0.03661	-0.1077	-0.1077	0.01163	0.13312	
93	-0.06436	-0.02667	-0.04478	-0.01819	-0.06436	-0.06436	-0.05722	-0.00695	
94	-0.15415	-0.02102	-0.15415	0.06987	-0.15415	-0.15415	-0.01006	-0.01479	
95	0.15014	0.01759	-0.02989	-0.06815	0.0819	0.15014	0.21501	0.00864	
96	0.06133	-0.04199	-0.19557	-0.16528	0.06133	0.06133	-0.04446	0.08701	
97	-0.13888	0.08542	-0.11112	0.00495	-0.13888	-0.13888	0.10067	-0.05747	
98	0.1497	0.05496	0.00845	0.1497	0.1497	0.1497	0.0365	0.0611	
99	-0.07169	-0.2216	-0.09248	0.01474	-0.07169	-0.07169	-0.13094	0.02498	
100	-0.09348	0.04984	0.11588	-0.09348	-0.09348	-0.09348	-0.09335	0.07414	
2037	1	-0.16418	-0.20041	-0.05559	-0.16418	-0.16418	-0.16418	-0.21865	-0.14537
	2	-0.06397	-0.16251	0.02707	0.23518	-0.06397	-0.06397	-0.00226	0.12926
	3	-0.06874	0.16103	-0.06874	-0.04542	-0.06874	-0.06874	0.13933	-0.18522
	4	-0.08374	0.0076	-0.14753	-0.0681	-0.03147	-0.08374	-0.07392	-0.12639
	5	-0.03477	0.05978	-0.12311	0.02169	0.015	0.015	0.00535	0.04186
	6	0.1019	-0.10123	0.09734	0.10182	0.1019	0.1019	-0.15728	0.12657
	7	0.02616	-0.12048	-0.04072	-0.10067	0.02616	0.02616	0.10759	-0.09439
	8	-0.23842	-0.03995	-0.09847	-0.23842	-0.23842	-0.23842	-0.06414	-0.01118
	9	0.11129	0.03706	0.11129	-0.00159	0.11129	0.11129	-0.09911	0.00021
	10	-0.07343	-0.02452	-0.20393	-0.02517	-0.07343	-0.07343	0.05465	-0.0819
	11	-0.0308	0.09149	-0.00629	-0.05366	-0.0308	-0.0308	-0.10396	0.05388
	12	-0.01899	0.30204	0.06463	0.16014	-0.01899	-0.01899	-0.03211	-0.06252
	13	0.04122	0.0469	0.20989	-0.11309	0.04122	-0.04421	0.03021	-0.01619
	14	0.07769	-0.01157	-0.03269	-0.03703	0.07769	0.07769	-0.01901	0.20081
	15	-0.0145	-0.03314	0.14875	-0.15758	-0.15068	-0.03616	0.01878	0.08161
	16	0.09057	0.0239	0.02209	0.11668	0.09057	0.09057	0.23385	0.08828
	17	-0.0459	-0.06585	-0.02134	0.07996	-0.0459	-0.0459	0.07361	0.01888



18	0.00485	0.11576	0.00243	0.04233	0.00485	0.00485	0.00485	-0.04621
19	-0.19319	0.08189	-0.07518	0.06249	0.00084	0.00084	0.00084	0.03648
20	-0.13465	-0.07697	0.07924	0.00371	-0.04553	-0.16325	-0.16325	-0.03835
21	0.05862	0.04735	-0.0717	0.10595	0.05862	0.05862	-0.04181	-0.00387
22	0.04616	-0.02337	-0.01251	0.03719	0.04616	0.04616	-0.06322	0.04616
23	-0.04934	-0.13301	-0.04934	-0.05605	-0.14841	-0.04934	0.13971	-0.09448
24	0.07667	0.08424	0.2086	0.07667	0.07667	0.07667	0.1265	0.10459
25	-0.02582	-0.17076	-0.10152	-0.0064	-0.02582	-0.02582	0.0031	-0.06348
26	-0.02537	-0.00518	0.01868	0.01868	0.01868	0.01868	0.08394	0.09605
27	0.07502	-0.04931	0.07502	-0.19124	0.07509	0.12458	0.03215	-0.11817
28	-0.01306	0.0587	-0.12271	-0.01306	-0.01306	-0.01306	0.0186	0.18585
29	0.13346	0.03545	0.06653	-0.11027	0.13346	0.13346	-0.11115	0.04254
30	-0.11348	0.01886	-0.11348	0.01667	-0.11348	-0.11348	0.19829	0.02699
31	0.09193	0.01201	0.08787	0.1009	-0.06639	-0.06639	-0.06639	-0.05189
32	0.12189	-0.03638	-0.05789	-0.02432	0.12189	0.12189	0.0872	-0.26895
33	-0.03436	0.20222	0.03852	-0.07959	-0.06836	-0.06836	0.04717	-0.15719
34	0.0328	-0.08112	0.00294	-0.04183	0.0328	0.0328	0.06316	0.07178
35	0.02531	-0.08747	-0.01464	0.02531	0.02531	0.02531	-0.00417	-0.03784
36	-0.02735	-0.11301	-0.02735	0.15372	-0.02735	-0.02735	-0.1775	-0.08138
37	0.12824	0.11184	-0.22122	0.06662	0.06468	0.11184	-0.02691	0.05749
38	0.01818	-0.06387	-0.05135	-0.08932	0.01818	0.01818	-0.1628	0.13484
39	0.10454	0.15723	0.12058	0.18667	-0.07618	-0.01199	-0.01856	0.01634
40	-0.14703	0.08313	0.02434	0.07897	-0.14703	-0.14703	-0.08154	-0.02427
41	0.12566	-0.17791	-0.14035	0.12566	0.12566	0.12566	0.17221	-0.02739
42	-0.20581	0.10765	0.0227	-0.03966	0.02202	0.02202	-0.02153	0.00992
43	0.0706	-0.0928	-0.04525	0.16517	0.0706	0.0706	0.03906	0.09759
44	0.09045	0.04399	-0.09154	-0.10288	0.09045	-0.12733	-0.19311	-0.04254
45	0.05203	0.13973	-0.00787	-0.0667	0.04291	0.04291	0.07569	0.08207
46	-0.02461	-0.11675	0.06547	0.09995	0.07747	0.02032	-0.07215	-0.10881
47	-0.04077	-0.00213	-0.11985	0.00454	-0.00232	-0.00232	0.05816	0.19258
48	-0.22006	0.02259	0.1043	0.03228	0.14814	-0.07977	0.0842	-0.0013
49	0.05616	-0.04173	0.0968	-0.14742	0.05616	0.05616	0.01417	0.05471
50	0.00448	0.05269	-0.20882	-0.01575	0.00448	0.00448	-0.05321	-0.19069
51	-0.11845	-0.02835	0.13348	0.15078	-0.11845	-0.11845	-0.15394	-0.11845
52	-0.08894	0.02717	0.07223	-0.26099	-0.08894	-0.18269	-3.1E-05	-0.07437
53	-0.11088	-0.06783	-0.05933	-0.02849	-0.11088	-0.11088	0.00058	-0.1023
54	0.09028	-0.06621	-0.0334	-0.07838	-0.04125	-0.04125	-0.04202	0.04129
55	-0.06394	0.09105	-0.0177	0.05994	-0.06394	-0.06394	-0.03282	0.02802
56	0.02575	0.00805	0.00225	0.05106	0.02575	0.02575	-0.11564	0.15465
57	0.07478	-0.0178	0.07478	0.02158	0.07478	0.07478	0.10435	-0.06552
58	0.15151	0.15151	0.03325	-0.00904	0.15151	0.15151	0.15151	0.11963
59	0.03731	-0.13153	0.19486	-0.12116	-0.03482	-0.03482	0.03554	0.01781
60	0.01508	0.19887	-0.0841	0.10919	0.01508	0.07332	0.13002	-0.01964
61	-0.0818	-0.00272	-0.0773	-0.07913	0.11815	0.11815	-0.06037	-0.08573
62	0.2301	0.08658	-0.08755	0.04986	-0.07578	-0.07578	-0.12707	0.04866
63	0.12212	0.1255	0.12212	-0.11838	0.12212	0.12212	-0.07323	0.12212
64	0.07357	-0.09352	0.09211	-0.05339	0.07357	0.07357	0.08043	0.12306
65	0.03805	0.06229	0.03314	0.15289	0.01276	0.01276	0.10905	0.01276
66	-0.12496	-0.15189	0.06102	-0.09672	-0.00223	-0.00223	-0.00223	0.01351
67	0.09849	0.21073	-0.1414	-0.03453	0.09849	0.21073	0.16376	-0.01802
68	-0.11822	0.03648	0.02479	0.05649	-0.11822	-0.11822	0.00468	-0.03728
69	0.02527	-0.01394	-0.11921	-0.14715	-0.14715	-0.14715	0.03386	0.05376
70	0.1391	0.0577	-0.02042	0.00604	0.0577	0.0577	-0.17777	0.29163
71	-0.21343	0.01076	0.10709	0.2105	-0.21343	-0.21343	-0.00958	-0.10616
72	-0.05589	-0.11585	-0.04054	-0.15608	-0.03004	-0.05589	0.09395	-0.00914

73	0.18797	-0.03354	0.0453	-0.17198	0.18797	0.18797	0.18797	-0.05432	
74	0.07234	0.13461	0.20118	0.03204	-0.04734	-0.04734	-0.09302	-0.22646	
75	-0.03846	-0.06187	-0.06506	0.11508	-0.06098	-0.06098	0.2474	0.01156	
76	0.13963	0.01781	0.13963	-0.05199	0.13963	0.13963	0.13963	0.13963	
77	0.03823	0.04893	-0.00673	-0.00929	0.03823	0.03823	0.02463	0.08523	
78	0.00823	-0.18968	-0.1855	0.10178	0.10145	0.10145	-0.05209	-0.08354	
79	-0.01776	-0.01776	0.07363	0.07356	-0.01776	-0.01776	0.04839	-0.13012	
80	-0.21556	-0.07526	-0.03713	0.01412	-0.21556	-0.21556	-0.21556	0.07348	
81	0.01179	-0.01594	-0.15954	0.00952	0.01179	0.01179	0.04805	-0.05383	
82	0.05117	-0.00737	-0.02387	0.05117	0.05117	0.05117	-0.2089	-0.23087	
83	0.00286	-0.02981	0.15449	-0.00195	0.00286	0.00286	-0.00294	-0.03081	
84	-0.06464	-0.10981	0.10705	0.18196	-0.06683	-0.06683	0.02751	0.09265	
85	0.038	0.104	-0.09487	0.09002	-0.11346	-0.11346	0.02295	0.00571	
86	-0.03172	0.15209	0.0363	-0.08182	0.09634	-0.03172	0.22709	-0.03172	
87	0.09867	0.08781	-0.03364	0.08057	0.09867	0.09867	-0.10367	-0.13253	
88	0.06125	0.01544	0.02099	-0.05238	0.06125	0.06125	0.1314	0.07361	
89	-0.09158	0.02736	-0.23553	-0.01878	0.02751	0.02751	0.02751	-0.0427	
90	-0.02131	-0.0464	0.01152	0.01268	-0.02131	-0.02131	0.07176	-0.01824	
91	0.01936	0.08359	0.08143	0.04326	0.01936	0.01936	-0.05739	0.03899	
92	-0.1077	-0.05268	0.04778	-0.30826	-0.1077	-0.1077	-0.08202	0.02938	
93	-0.16444	0.04787	-0.12478	0.11879	0.40854	0.40854	-0.05203	0.02289	
94	-0.15415	0.00323	0.17014	-0.08427	-0.15415	-0.15415	-0.14998	-0.09779	
95	0.15187	-0.14357	0.09407	-0.12471	-0.10212	0.01096	0.10149	0.13581	
96	0.06133	0.19607	0.06035	-0.06587	0.06133	0.06133	-0.02028	-0.11297	
97	-0.11331	-0.09727	-0.08015	0.06478	-0.11331	-0.11331	0.00997	0.1089	
98	0.1497	0.0653	-0.06483	-0.03081	-0.1874	-0.1874	0.12311	0.1899	
99	-0.03963	-0.07316	-0.0042	-0.15694	0.11485	0.1545	-0.10131	0.1545	
100	-0.09348	-0.17953	-0.04019	0.0284	-0.09348	-0.09348	-0.02546	-0.07818	
2038	1	-0.16418	0.02264	0.07095	0.17104	-0.07745	-0.07745	0.19743	-0.07745
	2	-0.06397	0.11785	0.10809	0.04867	-0.14012	-0.06397	-0.03583	-0.06397
	3	-0.06399	0.07641	0.15519	0.05348	-0.06263	-0.06263	-0.07268	-0.10042
	4	0.11794	-0.0067	0.08799	0.03344	0.11794	0.03906	0.03773	-0.15015
	5	-0.03477	0.08534	0.17114	-0.05836	-0.03477	-0.03477	0.01815	0.03996
	6	0.1019	-0.09257	-0.02587	0.12361	0.1066	0.1066	-0.02451	-0.10647
	7	0.02616	0.04846	0.01457	0.0707	0.02616	0.10552	-0.04985	-0.07503
	8	-0.23842	-0.06244	-0.04623	-0.04142	-0.23842	-0.23842	0.11762	-0.05084
	9	-0.02066	0.14988	-0.24179	-0.14545	-0.02066	-0.14209	0.05151	-0.14209
	10	-0.03856	-0.03061	0.04304	-0.00734	0.01493	-0.00734	0.14016	-0.00734
	11	-0.0308	-0.10435	-0.0308	-0.01592	-0.0308	-0.0308	-0.00388	0.08258
	12	-0.01899	0.00064	-0.10687	-0.0271	-0.12829	-0.12829	0.06875	-0.02898
	13	0.04122	0.16873	-0.01916	0.08965	0.0617	0.04122	0.05995	0.11626
	14	0.07769	-0.17293	-0.06219	-0.00185	0.07769	-0.09917	-0.2046	0.06654
	15	0.01928	-0.04006	-0.00413	-0.32047	0.01928	0.01928	0.01164	0.16825
	16	0.09057	0.06104	-0.08096	-0.11098	0.09057	-0.04124	-0.04124	-0.04124
	17	-0.0459	-0.07373	-0.08848	0.16212	-0.0138	-0.0138	-0.06195	0.13571
	18	-0.20542	-0.13092	0.03177	0.14436	0.14436	0.14436	-0.11787	-0.02119
	19	0.04285	0.0335	0.06562	0.00986	0.04285	0.04285	-0.12993	0.02412
	20	-0.13465	-0.02299	-0.13334	-0.07944	-0.02601	-0.02601	-0.08541	-0.02601
	21	0.05862	0.05554	0.04962	-0.05431	0.05862	0.05862	-0.0465	0.01824
	22	0.03381	0.0095	0.00634	-0.08607	-0.00351	-0.00351	0.06527	-0.05208
	23	0.06832	-0.05216	0.05952	0.10429	0.06832	0.06832	-0.14839	0.09842
	24	0.11561	-0.06322	0.17949	-0.02439	0.11561	0.11561	-0.12747	-0.00663
	25	-0.02582	-0.01009	-0.12552	-0.13104	-0.02582	-0.02582	0.07638	0.07336
	26	-0.02537	0.17277	0.10835	0.05197	-0.02537	-0.02537	-0.07452	0.06656
	27	0.07502	-0.1431	0.08111	-0.12228	-0.07314	0.00475	0.00475	-0.11426

28	-0.01306	0.07421	-0.01218	-0.17823	-0.04345	-0.04345	-0.08999	-0.09173
29	0.13346	0.04285	-0.14452	0.13346	0.13346	0.13346	0.00024	0.00706
30	0.05193	0.13335	0.1012	-0.07482	-0.08362	0.05193	0.05193	0.14498
31	0.09193	0.12335	0.02018	0.10226	0.09193	0.05837	0.04617	0.03141
32	0.12189	0.08521	-0.04655	-0.00874	0.12189	0.12189	0.09034	0.12189
33	-0.03436	-0.03436	-0.01617	0.06747	-0.02649	-0.03436	0.01464	-0.06708
34	0.01887	-0.09256	0.03848	0.03243	0.07539	0.01597	-0.06436	0.05132
35	0.02531	0.02531	-0.02864	0.19213	-0.11038	0.02531	0.15029	-0.01717
36	-0.1404	-0.0348	-0.1404	0.00256	-0.1404	-0.1404	0.10727	-0.07456
37	0.12824	-0.07284	-0.29602	0.01441	-0.15893	-0.15893	-0.01678	-0.03834
38	0.01818	0.01688	-0.10241	0.01818	0.01818	0.01818	-0.00333	0.18858
39	0.10454	0.0275	-0.06493	-0.04709	0.01661	0.01661	0.03457	0.11379
40	-0.14703	-0.21621	-0.07388	-0.03429	-0.14703	-0.14703	-0.2005	-0.14222
41	0.12566	0.12566	-0.03711	0.01679	0.12566	0.12566	0.08492	0.10872
42	-0.20581	-0.11217	-0.04499	0.06208	-0.20581	-0.20581	-0.0773	-0.1356
43	0.0706	-0.07384	0.02252	-0.00388	0.0706	0.0706	-0.04352	0.0706
44	0.09045	-0.09196	-0.11533	-0.07098	0.09045	0.09045	-0.06335	0.09045
45	0.00097	0.1776	0.22964	-0.02226	0.00097	0.00097	0.01613	-0.22243
46	-0.02461	0.07239	0.04262	-0.02898	-0.02461	-0.02461	-0.00225	-0.01035
47	-0.04077	0.11439	-0.04077	0.1305	-0.04077	-0.04077	0.14978	0.02954
48	-0.22006	0.00732	-0.16892	-0.14113	-0.22006	-0.22006	0.005	0.07255
49	0.05616	-0.01222	-0.1445	0.07275	0.05616	0.05616	-0.02432	0.26945
50	0.02995	0.04159	-0.09027	0.09344	0.02995	0.03546	0.03546	0.05379
51	0.08593	-0.22165	0.13922	0.16964	0.08593	0.08593	-0.03665	-0.04101
52	-0.08894	0.03008	-0.00299	-0.23093	0.04163	0.04163	-0.12775	-0.12621
53	-0.11088	-0.14543	0.02924	-0.04781	-0.11088	-0.11088	0.10797	0.1385
54	0.09028	0.10022	-0.01494	-0.05981	0.01078	-0.08258	0.17237	0.10017
55	-0.06394	-0.05095	0.11911	-0.06394	-0.06394	-0.06394	0.02867	-0.06394
56	-0.20694	0.02116	-0.06766	0.01098	-0.12274	-0.12274	-0.15882	0.04916
57	0.07478	0.05333	-0.05905	-0.12087	-0.05391	-0.04902	-0.04902	-0.02799
58	0.15151	-0.06578	0.06708	-0.08862	-0.02315	-0.02315	0.05003	-0.07103
59	0.03731	-0.01581	0.08151	0.11455	0.03731	0.03731	0.07384	0.00455
60	0.01508	0.16398	0.09546	0.05073	0.01508	0.01508	0.01508	0.01508
61	-0.0818	0.17622	-0.0818	-0.09314	-0.0818	-0.0818	0.09125	0.1209
62	0.2301	-0.15537	0.12095	0.01511	-0.08783	-0.08783	0.04469	0.01965
63	0.12212	-0.10819	0.13025	-0.0167	0.12212	-0.09886	-0.03648	-0.04731
64	0.07357	0.1205	0.16608	0.07357	0.07357	0.07357	0.00456	-0.0697
65	0.03805	0.0629	-0.03878	-0.07157	0.03805	0.03805	-0.01053	0.00406
66	-0.12496	-0.1946	0.03496	0.14712	-0.12496	-0.12496	-0.08206	-0.09742
67	0.09849	-0.02035	-0.2105	0.06952	0.09849	0.09849	0.1312	-0.18952
68	-0.11822	0.0865	0.01085	-0.12002	-0.11822	-0.11822	-0.10672	-0.12347
69	0.02527	0.14938	0.08518	-0.16619	0.02527	0.02527	0.01815	0.23018
70	0.1391	-0.06542	-0.14597	0.09941	0.07673	0.07673	-0.12966	-0.14216
71	-0.21343	-0.02575	-0.02437	-0.00106	-0.21343	-0.21343	-0.21343	0.06122
72	0.08823	-0.10027	0.0804	0.11471	0.08823	0.08823	0.03819	0.08857
73	0.18797	0.01999	-0.00296	-0.06134	0.18797	0.18797	0.19953	-0.03116
74	0.10385	0.03012	0.04975	0.16894	0.10385	0.10385	-0.04316	0.03076
75	-0.03846	-0.04561	0.05306	-0.0314	-0.03846	-0.03846	-0.05474	-0.06586
76	0.13963	0.04241	-0.07197	0.05438	-0.07197	-0.07197	0.06317	-0.01857
77	0.03823	0.07692	-0.05882	-0.12856	-0.15593	-0.15593	-0.17062	0.1424
78	0.04286	-0.0077	-0.11271	0.02985	0.04286	0.04286	-0.02452	0.0711
79	-0.01776	-0.01776	-0.03166	0.00183	-0.01776	-0.01776	0.0791	-0.00496
80	-0.21556	-0.08019	-0.07728	0.04035	-0.21556	-0.21556	-0.08542	0.04743
81	0.05723	0.12272	-0.00162	0.00526	0.05723	0.06912	0.07467	-0.16665
82	0.05117	0.02177	-0.13694	-0.09459	0.05117	0.05117	0.00256	-0.09562

83	0.00286	0.16314	0.08213	-0.0796	0.00286	0.00286	0.04064	0.04836
84	0.14117	0.14117	0.10111	-0.03767	0.14117	0.14117	-0.00148	-0.13001
85	0.038	0.08195	0.03377	0.03833	0.038	0.038	-0.02664	0.03687
86	-0.03172	-0.02847	0.05817	-0.03172	-0.03172	-0.03172	-0.03172	-0.01537
87	0.09867	-0.01147	-0.11068	0.14614	-0.01147	-0.01147	-0.13005	0.02493
88	0.06125	-0.14427	0.05159	-0.10687	0.06125	0.06125	-0.04503	0.06267
89	0.03498	-0.01667	-0.07552	0.11531	0.03498	0.03498	0.03498	-0.07622
90	-0.02131	-0.10833	0.11036	-0.00031	0.09295	-0.02131	-0.19893	0.14824
91	0.01936	-0.06801	-0.03388	-0.01649	0.01936	0.01936	0.05891	0.0794
92	-0.02256	-0.06533	-0.05042	0.06312	-0.02256	-0.02256	0.10591	-0.02256
93	-0.16444	-0.00059	-0.02275	-0.16011	-0.03912	-0.03912	0.1019	0.16521
94	-0.15415	0.01033	-0.213	0.08045	-0.15415	-0.15415	0.0348	-0.01175
95	-0.11782	0.09339	0.14253	0.13856	-0.04235	0.13856	-0.08225	0.0062
96	0.06133	-0.04469	-0.05942	-0.05188	0.06133	0.06133	-0.05862	0.0896
97	0.00749	0.06252	-0.09057	-0.06019	0.00749	-0.04979	-0.04979	-0.05265
98	0.1497	0.1497	0.18787	0.2219	0.1497	0.1497	0.01738	-0.04933
99	-0.03963	-0.23824	0.00051	0.04721	-0.03963	-0.03963	-0.09178	-0.03292
100	-0.09348	0.02791	0.0187	0.09478	-0.09853	-0.09853	0.19684	0.1266
2039	1	-0.16418	-0.08205	-0.14454	0.14495	-0.16418	-0.16418	0.07818
	2	-0.06397	-0.0195	-0.02047	0.06917	0.05969	0.05969	-0.06792
	3	-0.06399	0.05471	-0.16664	-0.08623	0.06988	0.06988	-0.04276
	4	0.11794	0.06903	-0.10634	0.05341	-0.03793	0.11794	-0.01251
	5	0.10738	0.10827	0.05418	0.03337	0.10738	0.10738	0.02966
	6	0.1019	0.01273	0.21241	-0.07428	0.1019	0.1019	-0.01847
	7	0.02616	0.13618	-0.04098	-0.05922	0.02616	0.02616	-0.02789
	8	-0.23842	0.18227	0.0503	0.1915	-0.23842	-0.23842	0.07441
	9	-0.02066	-0.05942	0.09693	-0.02066	-0.06189	-0.02066	-0.12861
	10	-0.03856	-0.14572	0.0279	0.09431	-0.03856	-0.03856	-0.1732
	11	-0.0308	0.09954	0.07712	-0.0308	-0.0308	-0.0308	0.04653
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	14	0.07769	-0.029	-0.00425	-0.01573	0.07769	0.07769	0.14475
	15	0.01928	0.01174	0.00054	0.00327	0.01928	0.01928	0.06586
	16	0.09057	0.0399	-0.02658	0.04945	0.09057	0.09057	-0.05993
	17	0.18651	-0.09686	0.12602	-0.10549	0.18651	0.18651	0.18651
	18	-0.20542	-0.04385	-0.0944	-0.0334	-0.20542	-0.20542	0.10423
	19	0.03948	-0.1707	-0.02144	-0.1486	-0.02144	-0.02144	-0.09229
	20	-0.13465	-0.10976	-0.05448	0.02288	-0.0472	-0.04106	0.24686
	21	0.05862	0.05862	-0.01284	0.05862	0.05862	0.05862	0.24761
	22	0.03381	0.0373	0.18758	-0.0098	-0.11173	0.03381	-0.00346
	23	0.06832	-0.0792	1.7E-05	-0.09092	0.06832	0.06832	0.00285
	24	0.11561	0.09902	0.09944	-0.13517	0.11561	0.11561	-0.14083
	25	-0.02582	0.05886	0.07421	0.16049	-0.02582	-0.02582	0.01655
	26	-0.02537	0.24935	-0.04137	-0.02787	-0.17983	-0.17983	-0.08479
	27	0.07502	-0.09017	-0.05269	0.01635	0.07502	0.07502	-0.12523
	28	-0.01306	-0.05466	-0.00845	-0.07502	0.04793	-0.01306	-0.0562
	29	0.13346	0.13397	0.11628	-0.04146	0.13346	0.13346	-0.03698
	30	0.05193	0.00034	-0.13619	0.0475	0.05193	0.05193	-0.04691
	31	0.09193	-0.01523	-0.1232	0.09193	0.09193	0.09193	0.15558
	32	0.12189	0.11249	-0.26139	-0.02627	0.11129	-0.02627	-0.26912
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	34	0.02975	-0.04001	0.05653	0.06316	5.4E-05	5.4E-05	-0.02132
	35	0.07118	0.02042	0.03913	-0.10632	0.07118	0.07118	0.04291
	36	-0.1404	-0.13073	0.01992	0.00568	-0.1404	-0.1404	-0.0791
	37	0.00651	0.06784	-0.08524	-0.0864	-0.0864	-0.0864	0.06923

38	0.01818	-0.20201	0.03006	-0.05612	-0.15651	-0.15651	0.06066	0.11574
39	0.10454	0.04363	-0.03279	0.07589	-0.11288	-0.11288	0.11185	-0.17939
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41	0.12566	0.0455	0.33967	0.12566	0.12566	0.12566	-0.37216	-0.05938
42	0.02211	-0.06929	-0.13023	-0.00522	-0.03161	-0.05981	-0.05981	0.15486
43	0.0706	0.02248	-0.19759	-0.04132	0.07112	0.07112	0.04121	-0.15877
44	0.09045	-0.09449	-0.00355	0.02253	-0.00575	-0.0816	0.06716	0.28769
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47	0.04886	0.04886	0.09323	0.15234	0.04886	0.04886	0.02709	0.06959
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51	0.08593	0.11507	0.04523	-0.08248	0.08593	0.08593	-0.0884	0.11935
52	-0.08894	-0.04751	0.15947	0.04801	-0.08894	-0.08894	-0.01725	-0.04972
53	-0.11088	0.06392	0.03522	0.03261	0.01003	0.01003	-0.04707	-0.03143
54	0.09028	-0.03048	0.09028	-0.11044	0.09028	0.09028	-0.06678	0.05923
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56	-0.20694	-0.1544	-0.09123	-0.01335	-0.20694	-0.20694	-0.03428	-0.00802
57	0.07478	0.09056	-0.09631	-0.1494	-0.00019	-0.09631	0.08834	0.10057
58	0.15151	-0.12721	-0.03004	-0.05502	-0.17764	-0.12721	0.16101	0.0185
59	-0.06566	0.17047	-0.1174	-0.0846	-0.01676	-0.01676	0.08341	-0.09388
60	0.02647	0.16262	0.01142	0.10492	0.02647	0.02647	-0.07913	-0.01439
61	-0.0818	-0.06002	-0.11436	0.07148	-0.0818	-0.0818	0.21163	0.022
62	0.2301	0.03026	0.17001	-0.01295	-0.06212	-0.06212	0.0138	0.05924
63	0.12212	-0.06814	-0.02682	0.00865	0.12212	0.12212	-0.14282	-0.00295
64	0.00306	0.00988	0.08938	-0.00589	0.00306	-0.05279	-0.0563	-0.05556
65	0.03805	-0.03225	0.0268	-0.04826	-0.08832	0.03805	0.03805	-0.07154
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67	0.09849	0.09849	-0.02408	-0.05247	0.09849	0.09849	-0.01498	-0.02429
68	-0.11822	0.21891	-0.07419	0.143	-0.11822	-0.11822	0.00671	-0.10052
69	0.02527	0.12906	-0.15684	0.02527	0.02527	0.02527	-0.11322	0.02527
70	0.1391	-0.24938	0.05238	0.09205	-0.13234	-0.13234	-0.10309	0.19769
71	-0.21343	0.10289	-0.08623	-0.14955	-0.21343	-0.21343	0.04981	0.15932
72	0.08823	0.04391	-0.21093	0.12142	0.08823	0.08823	-0.00704	0.04408
73	0.18797	-0.12215	0.15005	-0.08716	0.11386	0.18797	-0.03693	-0.05174
74	0.10385	0.01277	0.02243	0.02463	0.10385	0.10385	-0.08322	-0.16801
75	-0.03846	-0.02479	0.00554	-0.17298	0.25358	0.25358	0.08922	0.09548
76	0.13963	0.1167	0.08237	-0.07711	-0.05401	-0.0256	-0.16584	0.12366
77	0.03823	0.0741	0.06307	-0.02735	0.03823	0.03823	0.03823	-0.02817
78	-0.04509	-0.13272	-0.04151	0.06194	-0.04509	-0.04509	0.0325	-0.16198
79	-0.01776	-0.04821	-0.01253	-0.1085	-0.01776	-0.01776	0.15843	0.0756
80	-0.21556	-0.00845	0.12347	0.1653	-0.21556	-0.21556	0.07018	0.0338
81	0.05723	0.03824	-0.07417	0.05723	0.05723	0.05723	-0.04082	-0.00657
82	0.05117	0.03859	0.10152	0.06859	0.22445	0.22445	0.05979	-0.21831
83	0.00286	-0.1823	-0.00545	-0.03605	0.01064	0.00286	-0.14325	0.09371
84	0.14117	0.09297	-0.05429	-0.03997	0.14117	0.14117	-0.1187	-0.03223
85	0.038	0.0205	0.038	0.05604	-0.11315	0.038	-0.00934	-0.1446
86	-0.03172	-0.03293	0.02199	-0.13234	-0.03172	-0.03172	0.07249	0.03956
87	-0.05023	0.00648	0.03276	-0.06664	0.06632	0.11068	0.03991	0.02282
88	0.06125	0.14877	-0.0321	-0.07298	0.06125	0.06125	-0.07659	-0.07745
89	0.03617	-0.02123	0.16144	0.11794	-0.00735	-0.00735	0.01898	0.07841
90	-0.02131	-0.0893	-0.01504	-0.02131	-0.20261	-0.02131	-0.16715	0.03244
91	0.01936	-0.06882	-0.10504	0.03761	0.01936	0.01936	-0.09457	0.01069
92	-0.02256	0.07918	-0.193	-0.12259	0.07387	0.07387	0.07387	0.12074

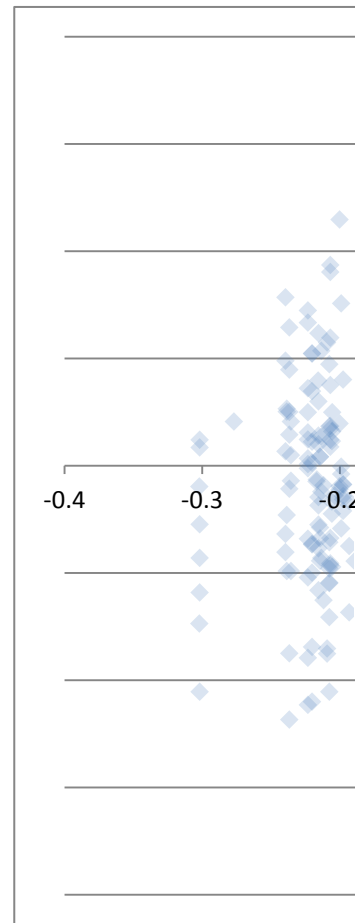
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	97	0.00749	-0.04114	0.01235	0.14884	0.01824	-0.00141	-0.03688	0.16956
	98	0.1497	-0.11749	0.1497	0.01046	0.1497	0.1497	0.16906	0.05629
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	100	-0.05994	-0.05994	0.20607	-0.17047	-0.05994	-0.05994	0.0906	-0.01482
2040	1	-0.16418	0.01665	0.02615	0.00478	0.00478	0.00478	0.0023	0.20178
	2	-0.06397	0.14943	-0.07808	-0.07753	0.05986	-0.06397	0.10039	0.00989
	3	-0.13417	0.02935	-0.134	0.11663	0.02507	-0.13417	-0.03718	-0.13417
	4	0.11794	-0.18346	-0.03496	0.07047	0.11794	0.07554	-0.06278	0.12386
	5	0.10738	0.19619	0.07195	-0.02387	0.10738	0.10738	0.21291	0.06048
	6	0.1019	0.11084	0.22652	0.04949	-0.01286	-0.03273	-0.03904	-0.03273
	7	0.02616	-0.04071	0.08903	-0.09265	0.10696	-0.11225	-0.11225	-0.21949
	8	-0.23842	-0.10253	0.053	-0.21349	-0.23842	-0.23842	0.11549	0.05095
	9	-0.02066	0.0389	0.0171	0.0315	-0.02066	-0.02066	-0.07357	0.10068
	10	-0.03856	-0.15639	-0.02444	0.09953	-0.03856	-0.03856	0.01689	-0.03627
	11	-0.0308	-0.03669	-0.0453	0.04215	0.10681	0.04215	0.1374	-0.10375
	12	0.04136	0.00276	0.12923	-0.06382	0.04136	0.04136	0.0556	-0.01284
	13	0.04122	0.09081	-0.09278	-0.04831	0.04122	0.04122	0.08259	0.04122
	14	0.07769	0.07681	-0.05881	0.06186	-0.11581	0.07769	0.04315	0.01833
	15	0.01928	-0.08291	-0.00743	0.00443	-0.20391	0.01928	-0.16675	-0.00804
	16	0.09057	-0.10876	-0.11883	-0.02561	0.09057	0.09057	-0.08752	-0.06222
	17	0.18651	-0.02474	0.01079	0.13871	0.18651	0.18651	-0.02477	0.14226
	18	-0.20542	-0.00068	0.0497	-0.1162	-0.20542	-0.20542	0.03317	-0.05068
	19	0.03948	0.05425	-0.17884	-0.16039	0.03948	0.03948	-0.12614	-0.08156
	20	-0.13465	-0.05457	0.11244	-0.00021	-0.13465	-0.13465	-0.13465	-0.15345
	21	0.05862	-0.09844	-0.07574	0.04579	0.19017	-0.07574	0.0384	-0.0968
	22	-0.07116	0.01125	-0.05894	-0.07514	-0.07116	-0.07116	0.01599	-0.22794
	23	0.06832	-0.04039	0.07208	-0.0145	-0.11285	0.12011	0.09121	0.12011
	24	0.11561	-0.03723	0.05154	0.00088	0.11561	0.11561	0.11561	-0.05243
	25	-0.02582	0.27061	0.15238	-0.02926	-0.02926	-0.02926	-0.02944	0.13121
	26	0.0621	0.16119	-0.08392	0.08598	0.0621	-0.04987	-0.00275	-0.0043
	27	0.07502	-0.06138	-0.24731	0.17119	0.04177	0.07502	-0.06213	0.00688
	28	-0.01306	0.04561	0.17609	-0.00611	-0.01306	0.14265	-0.14168	-0.12723
	29	0.13346	0.09505	0.1245	-0.09697	0.13346	0.13346	-0.10073	0.07111
	30	0.05193	-0.02297	0.03506	0.13332	0.05193	0.05193	0.19217	0.06334
	31	0.09193	0.06405	-0.08522	0.05752	0.085	0.09193	0.00011	-0.03142
	32	0.12189	-0.10933	-0.04248	-0.05109	0.07513	0.07513	0.05529	-0.1574
	33	-0.03436	-0.03436	0.10006	-0.03436	-0.0374	-0.03436	0.07128	-0.01549
	34	0.02975	0.12133	0.01651	0.02593	0.02975	0.02975	0.11115	0.04009
	35	0.07118	-0.07609	-0.02982	0.07118	0.07118	0.07118	0.07118	-0.06071
	36	-0.1404	-0.00634	-0.00448	-0.03805	-0.1404	-0.1404	-0.17293	0.08623
	37	-0.11953	0.06859	0.00838	-0.32356	-0.04458	-0.04458	-0.08291	0.03807
	38	-0.09382	-0.15047	-0.12967	-0.13238	-0.09382	-0.09382	-0.01882	0.01507
	39	-0.17597	0.01685	0.06391	0.1065	-0.17597	-0.17597	0.04701	0.10778
	40	-0.01741	0.0323	-0.11762	0.07113	-0.01741	-0.01741	-0.04484	-0.07411
	41	0.12566	0.07547	0.00196	0.09934	0.09934	0.09934	-0.02382	-0.09507
	42	0.02211	0.01844	0.16865	-0.00103	0.02211	0.02211	-0.04581	0.02212
	43	0.0706	-0.08872	-0.06647	0.0706	0.0706	0.0706	-0.05917	0.05268
	44	0.09045	0.10809	-0.00687	0.04744	0.09045	0.09045	0.05766	0.17003
	45	0.00097	0.00547	0.02314	-0.02742	0.00547	0.00547	-0.07036	-0.02432
	46	-0.02461	-0.03641	-0.01692	0.09126	-0.02461	-0.02461	0.00259	-0.05272
	47	0.04886	-0.02357	0.0464	0.12809	0.04886	0.04886	-0.29105	0.07037

48	-0.22006	-0.14335	-0.07345	0.00808	-0.22006	-0.22006	-0.02565	-0.0336
49	0.01971	0.01076	0.05728	-0.17134	0.11443	0.02387	-0.0063	-0.04261
50	-0.10487	0.16223	-0.15611	-0.10487	-0.10487	-0.10487	-0.12008	0.12346
51	0.08593	-0.03976	0.07541	0.08593	0.08593	0.08593	0.02438	-0.07191
52	-0.08894	0.17401	-0.11187	-0.23512	-0.23512	-0.23512	0.07891	-0.15396
53	0.00269	-0.12405	-0.09153	-0.0131	-0.02508	-0.02508	0.04816	0.03579
54	0.09028	0.0315	0.09028	0.1801	0.09028	0.09028	0.23063	-0.10977
55	-0.06394	-0.07779	-0.04246	0.03623	-0.06394	-0.06394	-0.13037	0.00765
56	-0.20694	-0.06303	0.03678	0.06022	0.03682	0.03682	0.11129	0.10028
57	0.07478	0.1003	0.13613	0.14058	0.07478	0.0176	0.09086	-0.01123
58	0.11525	0.04639	0.12677	0.11525	0.11525	0.11525	0.11525	0.15579
59	-0.06566	-0.00521	-0.19514	-0.06566	-0.06566	-0.06566	-0.09583	-0.21803
60	0.02647	0.06045	0.09147	-0.12554	0.02647	0.02647	0.15777	0.02647
61	-0.0818	0.08529	-0.08997	0.0551	0.07261	-0.06035	-0.09223	-0.02762
62	0.2301	-0.02084	-0.02042	-0.17247	-0.11149	0.2301	0.06414	0.02769
63	-0.14073	-0.0553	-0.14169	0.01384	-0.03481	-0.03481	0.10084	0.22367
64	0.00306	0.06264	0.09618	0.07697	0.00306	0.07697	-0.08224	-0.15068
65	0.03805	-0.04983	0.18059	0.21455	-0.06917	-0.05171	-0.05604	-0.08771
66	-0.12496	0.07584	-0.04996	-0.06498	-0.12496	-0.00486	0.11286	-0.00233
67	0.09849	0.16585	-0.0044	-0.00164	0.09849	0.05075	-0.01184	-0.17736
68	-0.02349	0.03366	-0.02588	-0.05161	-0.02349	-0.02349	-0.02349	-0.05509
69	0.02527	-0.03549	0.15903	0.02768	0.02527	0.02527	-0.02464	0.09236
70	0.1391	-0.12766	0.11612	0.08042	-0.10085	-0.10085	-0.04358	0.01525
71	-0.21343	0.13178	0.02705	-0.12894	0.16716	0.16716	0.19274	-0.10628
72	0.08823	-0.27409	-0.24979	-0.06923	0.08823	-0.02534	0.13462	-0.04434
73	0.18797	-0.06931	0.00326	0.00662	0.18797	0.00326	0.01667	0.05275
74	0.10385	-0.1287	0.00565	0.09241	0.10385	0.10385	0.02585	-0.08329
75	0.04647	0.02385	-0.07765	0.13718	0.04647	0.04647	0.06859	-0.01562
76	0.13963	0.00948	-0.05516	-0.08561	0.13963	0.13963	-0.15007	0.11808
77	0.01688	0.04544	0.01688	0.04363	0.02716	0.01688	-0.11307	0.01047
78	-0.04509	-0.01131	0.01978	-0.12138	-0.04509	-0.04509	-0.201	0.05188
79	-0.01776	0.12071	-0.10423	0.11197	-0.0121	0.06743	0.04314	0.14805
80	0.03301	-0.09936	0.03965	-0.03028	0.03301	0.03301	0.00181	0.07112
81	0.05723	0.03785	0.11576	-0.01906	-0.01906	-0.01906	-0.0341	-0.07469
82	0.05117	0.05986	-0.02671	-0.00913	0.05117	0.05117	0.00031	-0.18971
83	0.00286	0.16435	0.08779	0.02875	0.00286	0.00286	-0.15757	0.10511
84	0.14117	0.08824	0.02628	-0.07925	0.08599	0.14117	0.05716	0.0501
85	0.038	-0.1197	-0.00019	0.20046	0.038	0.038	0.18576	0.01594
86	-0.03172	-0.1713	0.14489	0.16295	0.03532	0.03532	0.04285	0.00292
87	-0.04942	0.0176	0.02256	-0.25565	-0.04942	-0.04942	-0.19223	-0.10723
88	-0.12051	-0.02855	0.06379	0.07514	-0.12051	-0.12051	0.03789	0.12944
89	0.03617	0.07328	-0.07601	-0.10989	0.03617	0.03617	0.07981	-0.0134
90	-0.02131	0.11911	-0.12331	-0.09436	-0.02131	-0.02131	-0.04697	0.05823
91	0.117	-0.14746	0.07173	0.05663	0.04644	0.117	-0.05475	-0.12853
92	-0.02256	-0.02256	0.00526	-0.06115	-0.02256	-0.02256	0.10892	-0.10332
93	-0.02648	-0.02307	-0.14441	0.01698	0.16858	-0.02648	0.10164	0.08705
94	-0.15415	0.00523	-0.05077	-0.0293	-0.08172	0.06901	-0.00988	-0.04206
95	-0.11782	0.04766	-0.06085	-0.04436	-0.11782	-0.11782	-0.10703	0.07904
96	0.06133	-0.05892	-0.18968	0.05078	0.06133	0.06133	-0.01794	0.17704
97	0.00749	0.22123	-0.09091	-0.13723	0.00749	0.00749	0.02286	-0.06441
98	0.31462	-0.07286	0.20218	0.10848	0.31462	0.31462	-0.08001	-0.00603
99	-0.03963	-0.04353	-0.0253	-0.02387	-0.03963	-0.13995	0.15429	-0.03103
100	-0.05994	-0.00892	0.0409	0.00422	-0.05994	-0.05994	-0.0999	0.03092

Ngas	Coal	CO2	Power	Demand
1.00	0.09	0.45	0.88	0.66
	1.00	0.06	0.10	0.08
		1.00	0.51	0.68
			1.00	0.76
				1.00

0.70635 0.66365 0.64889 0.73665 0.19975 0.704 0.67078  
6% 9% 8% 76% 68% 68% 71%  
7% 6% 5% 75% 0% 69% 68%

				Generic		
AEP_FUEL_RP2_KP	AEP_FUEL_RP2D_KP	AEP_FUEL_RP2DDry_KP	KPCo_External_Supply	Distribution 27	Distribution 28	Distribution 29
0.26281	0.07373	0.10251	0.05573	-0.01342	0.05573	0.05573
-0.01701	-0.15107	-0.0761	-0.13025	0.00476	-0.00448	0.00597
0.12175	0.19875	-0.09855	-0.09855	0.03735	-0.09855	-0.09855
-0.05672	-0.02286	-0.03671	-0.03656	-0.04816	-0.03656	-0.03656
-0.04773	-0.17844	0.01281	-0.05358	-0.04079	-0.05358	0.00672
0.00262	0.11635	-0.0562	0.20798	-0.08388	0.01359	0.20798
-0.12629	0.09622	-0.09789	0.03354	0.02627	0.03354	0.03354
0.13099	-0.02499	0.05167	-0.02499	-0.03836	-0.02499	0.10558
0.08144	-0.02796	0.06681	0.12941	-0.00681	0.12941	0.0591
0.09657	-0.07284	-0.02174	-0.00527	-0.07589	0.17151	0.05139
0.02162	-0.09004	-0.01124	0.04552	0.00269	0.04552	0.23235
-0.03575	0.14193	-0.05086	0.05202	0.07945	0.10174	0.10174
-0.09074	-0.00198	0.08088	-0.21566	-0.0969	-0.21566	-0.00258
-0.08232	-0.04095	0.20548	-0.0802	-0.05775	0.04527	-0.0802
-0.00306	-0.1169	-0.10978	0.06859	0.05072	-0.06054	0.06859
0.04393	-0.05492	-0.19788	-0.04233	0.05159	-0.04233	-0.04233
-0.14547	0.0132	0.03555	-0.14547	-0.08542	-0.14547	-0.14547
0.06178	0.01141	-0.14647	0.10589	0.04532	0.10589	-0.0968
0.03258	0.04773	0.15325	0.01443	-0.05048	0.0738	0.01443
0.10644	0.05524	0.10644	0.10644	-0.0074	-0.00928	-0.00928
-0.02594	-0.30193	0.21777	-0.30193	-0.09975	-0.08798	-0.30193
0.04179	-0.02202	-0.22316	-0.22316	-0.06805	-0.09955	0.03756
-0.03933	-0.09115	-0.10514	-0.03933	0.08595	-0.28534	-0.07306
0.01069	0.122	-0.0338	-0.0338	-0.02646	-0.08362	-0.0338
-0.01128	-0.13483	0.1016	0.1016	0.06904	0.1016	0.1016
-0.18208	-0.11702	0.03418	0.0433	0.029	-0.00193	-0.06183
0.02638	-0.17262	-0.04864	-0.10539	-0.03872	-0.10539	-0.10539
0.1528	-0.06354	0.05291	0.01077	-0.07773	0.20565	0.01077
0.20671	-0.05125	-0.02798	0.13703	0.0933	0.1832	-0.13318
-0.02314	0.02777	0.01419	0.06005	0.04518	0.06005	0.06005
0.02183	0.00965	-0.05653	0.17741	-0.08082	-0.02355	-0.13052
-0.11878	0.19501	-0.19372	0.03044	0.03459	-0.00856	-0.00856





0.02149	-0.07006	0.14206	0.02149	-0.05385	-0.07364	-0.05185
-0.14203	-0.02769	-0.09644	-0.04455	-0.02275	-0.04455	0.05594
-0.04805	-0.01056	-0.01566	-0.05302	0.0077	-0.05302	-0.05302
-0.06511	-0.02027	-0.14094	-0.02027	-0.06512	-0.02027	0.0498
0.10048	0.0942	0.04295	0.06892	0.05093	0.06892	-0.00154
-0.0694	0.14184	-0.01233	0.01273	0.01013	0.01273	0.01273
0.08334	0.04821	0.07345	-0.0049	0.01586	0.10627	0.09232
-0.10274	0.07698	0.12659	0.11738	0.03164	0.04076	0.04076
0.16184	-0.0344	0.2038	0.16184	0.08944	0.16184	0.16184
-0.21762	-0.10813	-0.14158	-0.18128	-0.00164	-0.12743	0.00026
0.07738	-0.01154	0.04137	0.0236	0.01866	0.0236	0.0236
-0.01007	0.09559	0.03183	0.25138	-0.07447	0.25138	0.25138
0.00734	0.16201	-0.17891	-0.18127	-0.09301	-0.18127	-0.18127
0.02469	0.01378	-0.06478	0.06642	0.031	0.06642	0.06642
-0.15486	-0.01805	0.00774	-0.02265	-0.01792	-0.02265	-0.05447
-0.09935	-0.07398	-0.12722	-0.09138	-0.06392	-0.09138	-0.09138
0.13359	0.0423	-0.01894	-0.06844	-0.05063	-0.06844	-0.06844
0.10151	0.00736	0.11476	0.09199	-0.02784	0.09199	0.09199
-0.04255	-0.12994	-0.07898	0.0931	0.05824	0.08665	0.08105
-0.02441	-0.03998	0.08802	0.11079	0.09842	0.11079	-0.03178
0.03769	0.06502	-0.02877	-0.07107	0.02721	-0.00053	0.03479
-0.06788	-0.05467	0.01628	-0.06487	-0.02922	0.05041	-0.03749
0.05304	-0.10049	-0.09747	0.04843	0.02096	-0.13914	0.04843
-0.03393	-0.29207	-9.2E-05	-0.00529	0.07541	-0.05146	-0.02211
0.12516	-0.03786	0.15292	-0.03786	-0.05645	-0.05444	-0.05444
0.17516	0.10675	0.06736	0.01207	0.00961	0.01207	0.01207
0.05054	0.03837	-0.03963	-0.00682	-0.00544	-0.00682	-0.00682
-0.12178	0.07337	0.08253	-0.09324	-0.08531	-0.14506	-0.14506
0.18739	-0.16711	-0.07416	0.16366	-0.02073	0.02115	0.16366
-0.06267	-0.01934	-0.01258	-0.10194	-0.0692	-0.10194	-0.04454
-0.09285	-0.1513	0.0895	0.01328	-0.05556	0.01328	0.01328
0.0241	0.06608	-0.1962	0.03488	0.02727	0.03488	0.03488
-0.15195	0.01322	0.2072	-0.16364	-0.08982	-0.10098	-0.07413
-0.11881	0.03149	0.04775	-0.20359	-0.09582	0.11297	-0.02055
-0.02711	0.10034	0.10516	0.04219	0.03269	0.04219	0.04219
-0.22801	0.19274	0.0343	-0.02349	0.04279	0.04142	0.0565
0.09755	0.14989	0.07276	-0.1066	-0.07136	-0.1066	-0.1066
-0.01399	-0.04981	-0.05961	-0.0671	-0.04978	0.13025	-0.0671
-0.07684	-0.11143	-0.07684	-0.07684	0.0789	-0.07684	-0.07684
-0.00384	-0.00736	0.05675	-0.03224	-0.02528	-0.03224	-0.09079
0.03008	0.12022	-0.12603	-0.08586	-0.01629	-0.02056	-0.02056
0.11929	-0.07355	0.1749	0.1749	0.0049	0.1749	0.14737
0.13906	0.07838	-0.04388	0.08891	0.06261	-0.14078	0.08891
0.06879	-0.10347	0.01435	0.12807	-0.08892	0.12807	0.05253
0.04616	0.00603	0.00784	0.00679	0.00542	-0.24731	-0.06358
-0.06911	-0.03685	-0.02739	0.02675	-0.00058	-0.00459	-0.00073
-0.04878	0.04498	0.00071	0.00071	-0.03553	-0.04611	-0.04611
0.00253	-0.0669	-0.06172	0.08284	0.05925	0.08284	0.02778
0.15503	-0.08954	-0.11026	-0.04764	-0.01858	-0.0235	-0.26256
0.05448	0.05332	-0.04747	0.02089	0.01655	0.02089	0.02089
0.08392	0.07482	0.05042	-0.08121	-0.05833	-0.08121	-0.08121
-0.01872	-0.16376	-0.19014	0.05092	-0.08849	0.05092	0.20695
-0.02795	-0.07472	0.03674	0.00215	0.00172	0.00215	0.00215
0.03876	0.12288	0.14647	-0.13236	-0.08144	-0.01599	-0.13236
-0.09801	-0.03463	-0.02224	0.14388	-0.06276	-0.06232	-0.0892

0.00104	0.02879	-0.03097	0.12032	0.07711	-0.04417	-0.02201
-0.08267	0.13034	0.01702	-0.03397	-0.02659	-0.03397	0.04166
-0.00053	-0.05706	0.06212	-0.08991	-0.04617	-0.06154	-0.06154
-0.11801	0.0436	-0.05381	-0.05042	-0.03859	-0.05042	-0.05042
-0.14332	0.01137	0.00162	0.07625	0.05543	0.07625	0.07625
-0.05529	-0.10484	0.11256	-0.00256	-0.00204	-0.00256	-0.00256
0.10356	0.02163	0.2337	0.04579	0.06571	0.05325	0.09485
0.11331	0.2102	-0.08456	0.12874	0.08021	0.00439	0.12874
0.01993	-0.02069	-0.18917	-0.18917	0.02532	-0.18917	0.151
0.19559	-0.04868	0.08349	0.03341	0.06473	0.03341	0.03341
-0.21542	-0.16015	0.10131	0.19223	0.09454	0.19223	0.19223
-0.04579	-0.00092	-0.13331	-0.10682	-0.07146	0.2437	-0.10682
0.03722	0.10144	-0.06968	-0.03014	0.04817	0.04986	0.0646
-0.17304	-0.02317	-0.07095	0.05573	0.00074	0.05573	-0.09615
-0.00088	0.15622	-0.01958	0.15622	0.04811	0.00597	0.00597
-0.15738	-0.09855	-0.16605	-0.09855	-0.06756	-0.12003	-0.09855
0.00442	-0.04348	0.15357	0.04917	-0.02853	-0.03656	-0.03656
-0.03343	0.23345	-0.13778	-0.15843	-0.08173	0.05079	-0.13326
0.06732	-0.11522	-0.05738	0.20798	0.09625	0.20798	0.20798
0.13491	-0.02594	0.02993	0.03354	0.02627	0.03354	0.03354
0.09794	0.03037	0.00979	0.00979	-0.01973	-0.02499	-0.02499
0.12941	0.02294	-0.00316	0.12941	0.08044	0.12941	-0.02275
0.10849	-0.13714	0.17249	-0.11721	-0.07589	-0.11721	-0.11721
-0.11241	0.09479	0.01058	0.04552	0.0351	0.04552	0.04552
-0.04009	0.08272	0.12418	0.01605	0.0691	0.10174	0.10174
0.21884	0.05373	-0.09484	0.0215	0.01702	0.0215	0.0215
-0.01362	0.34713	-0.10777	0.34713	0.09995	-0.1444	0.34713
-0.05736	-0.00049	0.05991	0.02726	-0.06969	0.05105	0.05105
-0.04233	0.03873	-0.02881	-0.04233	0.07344	-0.07072	-0.04233
0.06941	-0.1946	0.02285	-0.17283	0.06277	0.08922	0.08922
-0.01572	0.01064	-0.042	-0.01572	0.07104	0.10589	0.10589
0.04236	-0.06638	0.06775	-0.06234	-0.0467	-0.06234	-0.06234
0.01745	0.14065	0.10326	-0.00928	-0.0074	-0.00928	-0.00928
-0.02499	-0.15898	0.0754	-0.30193	-0.09975	-0.30193	-0.30193
0.22454	0.16266	-0.06326	0.05933	0.00349	0.00939	-0.09955
0.16385	-0.20601	0.01259	0.03776	0.05566	-0.02058	-0.04592
0.12551	0.00415	0.16521	-0.0338	-0.02646	-0.11162	-0.21957
0.1016	0.06994	0.15352	0.1016	0.06904	0.1016	0.1016
-0.0654	-0.03349	-0.14662	-0.01092	-0.0087	-0.01092	-0.07004
-0.07125	0.05312	-0.21334	-0.10539	-0.07081	-0.10539	-0.02272
0.05372	0.0953	-0.02191	0.01077	0.00858	0.01077	0.01077
-0.10585	-0.06666	-0.08588	0.1832	0.0933	0.1832	0.1832
0.07012	-0.07255	-0.03484	0.06005	0.03387	0.06005	-0.11528
0.04913	-0.01369	-0.12767	-0.13052	-0.08082	0.10904	-0.13052
-0.03346	-0.08972	0.05201	-0.00856	-0.00682	-0.03435	-0.00856
-0.05064	-0.05064	0.00801	-0.05064	-0.03874	-0.05064	-0.05064
0.03848	-0.1225	0.11671	-0.04455	-0.03441	-0.04455	-0.08805
0.00514	0.09687	-0.0757	-0.05302	-0.02755	-0.05302	0.06553
0.08821	0.01586	0.06695	0.08707	0.06161	0.08707	0.08707
-0.1577	0.03603	0.12859	0.06892	-0.04781	0.06892	0.06892
-0.05152	0.12008	0.09852	-0.05983	0.02783	-0.07197	-0.14328
-0.21605	-0.00609	0.03061	0.10627	0.04365	0.10627	0.10627
0.02296	0.03977	-0.04931	0.04076	0.03164	0.04076	0.04076
-0.01083	0.0252	-0.02376	0.16184	0.08944	0.16184	0.16184
-0.05262	0.13866	0.03602	-0.12743	0.0027	0.15011	-0.12743

-0.10827	0.07967	0.05468	0.0236	0.01866	-0.0697	-0.15984
-0.04967	0.04614	-0.02988	0.25138	-0.08312	0.25138	0.25138
0.0551	0.11284	-0.11814	0.11284	0.07408	0.11284	0.11284
0.01905	-0.09746	0.01905	0.01905	0.04934	0.06642	0.06642
-0.01962	0.09971	-0.01147	-0.01962	-0.01792	-0.03466	-0.05129
0.00296	0.05364	0.01466	-0.09138	-0.06392	-0.09138	-0.09138
0.11853	-0.06506	0.04012	-0.06844	-0.05063	-0.06844	-0.06844
0.09028	0.09199	0.17665	0.09199	-0.0633	0.09199	0.09199
0.22089	-0.07913	0.06965	0.08105	-0.07734	0.08105	0.08105
-0.02038	0.03193	-0.05194	0.11079	0.07321	0.11079	-0.08415
0.13012	0.18571	-0.0966	0.03479	0.02721	0.03479	-0.03513
0.02349	-0.16468	-0.16567	-0.03749	-0.02922	-0.03749	-0.03749
0.08374	-0.0197	0.13614	0.04843	0.03718	0.04843	-0.12798
-0.03517	-0.02638	0.10006	-0.03252	-0.091	-0.12617	-0.05146
0.04141	0.00914	-0.05444	-0.05444	-0.04138	-0.05444	-0.05444
-0.25154	-0.13804	-0.05975	0.01207	0.00961	0.01207	0.01207
-0.06983	-0.04051	-0.0786	-0.04051	-0.03146	0.12022	-0.04051
-0.09137	-0.10388	0.10699	-0.14506	-0.08531	-0.14506	-0.18002
-0.22316	-0.22316	0.00844	-0.22316	-0.09744	-0.22316	-0.22316
-0.15488	0.03843	0.16827	0.03843	0.06829	0.18472	0.10005
0.01328	-0.06795	-0.11315	0.01328	0.01056	0.01328	0.01328
0.06142	-0.09289	0.12051	-0.05787	0.02727	0.10891	0.03488
-0.11613	0.07726	-0.05207	-0.16364	-0.08982	-0.16364	-0.1168
0.09858	0.12872	0.07495	0.09858	0.02664	0.03403	0.03403
0.08618	0.00059	0.06533	-0.04094	0.02996	-0.04094	-0.01024
0.08116	-0.22537	0.0565	0.0565	0.04279	0.0565	0.0565
0.04767	0.06135	-0.15906	0.06135	-0.07136	-0.1066	-0.01338
-0.0767	-0.04722	-0.08588	-0.0671	0.03727	0.06757	-0.0671
-0.04848	0.05721	0.02451	-0.07684	-0.05578	-0.01877	-0.07684
-0.03224	-0.06102	-0.08258	-0.03224	-0.0211	-0.03224	-0.03224
-0.0273	0.23208	-0.01034	0.23208	0.09797	0.23208	0.23208
0.02185	-0.11677	-0.06446	0.1749	-0.04263	0.1749	0.1749
-0.06011	0.11693	0.02964	0.08891	-0.07478	0.08891	-0.20077
0.12269	0.0858	0.12807	0.12807	0.04018	0.12807	0.12807
0.25642	-0.01113	0.04234	0.00679	0.00542	0.00679	0.00679
-0.09168	0.05103	-0.16875	-0.00073	-0.0998	0.03119	-0.00073
0.1627	0.24358	0.10267	-0.04611	-0.08638	-0.04611	-0.05228
-0.16472	-0.03313	-0.03763	0.08284	0.05925	0.08284	0.08284
-0.06559	0.19525	0.01438	-0.0235	-0.01858	-0.0235	-0.0235
-0.11781	-0.02342	0.02609	0.02089	0.01655	0.02089	-0.10595
0.05528	0.14347	-0.10977	-0.09047	-0.04759	-0.09047	-0.09047
-0.34928	0.05411	-0.04471	-0.16458	0.03894	0.05092	0.05092
-0.03283	-0.21383	-0.13141	-0.04983	0.00172	0.00215	0.00215
0.10201	-0.10164	-0.03775	-0.13236	-0.08144	-0.13236	-0.13236
0.07782	0.04169	-0.0126	-0.0892	-0.00651	0.17861	0.02088
-0.0087	-0.03631	0.08557	-0.11208	0.07711	0.12032	0.12032
0.04089	-0.03958	0.06356	0.04089	-0.02659	-0.03397	-0.03397
0.14773	0.00949	-0.00123	-0.07156	-0.0504	-0.07156	-0.07156
-0.05042	-0.00565	-0.05288	-0.05042	-0.03859	0.00324	0.08874
0.04545	0.01434	0.00074	0.07625	0.05543	0.07625	-0.16129
-0.10229	0.10018	0.12891	-0.00256	-0.00204	-0.00256	-0.00441
0.0168	0.07823	-0.21236	0.09485	0.06571	0.09485	0.14753
-0.04147	-0.08049	-0.07483	0.12874	0.08021	0.12874	0.12874
0.20541	0.12712	-0.0871	-0.02856	0.07421	0.11313	0.11313
0.03237	-0.13688	0.17311	0.01278	0.01017	0.01278	0.02592

0.00568	0.03347	0.04958	0.19223	0.09499	-0.08407	0.19223
-0.07434	-0.12138	0.11556	-0.10682	-0.06379	-0.10682	-0.05577
-0.01417	-0.06701	0.06993	0.0646	0.04817	0.0646	-0.0945
-0.03086	0.0386	0.16041	-0.21435	-0.09679	-0.21435	-0.21435
-0.00254	-0.04819	0.16523	0.04154	0.03221	0.04154	0.16953
0.0552	-0.06638	-0.02259	-0.09855	-0.06756	0.12223	-0.05191
-0.11941	-0.16603	0.07879	-0.2101	-0.02853	-0.03656	-0.03656
0.10371	0.10999	0.04435	-0.06111	-0.04589	-0.06111	-0.06111
0.20798	0.09901	-0.05571	0.20798	0.09625	0.20798	0.20798
-0.15973	-0.08082	-0.16688	0.26134	0.0991	0.26134	0.26134
0.17367	0.00753	-0.13554	-0.0262	0.06275	-0.02499	-0.02499
0.00879	0.08165	0.00139	0.00128	0.00102	0.00128	0.00254
-0.05244	-0.0871	-0.11721	-0.11721	-0.07589	0.08836	0.04542
-0.02429	-0.02065	-4E-05	0.04552	0.0351	0.04552	-0.03338
0.01435	-0.14695	-0.08178	-0.04551	-0.09916	0.23028	-0.04551
-0.07479	0.06335	-0.10398	-0.07397	-0.05405	-0.07397	-0.07397
0.14211	-0.00138	0.34713	0.34713	0.05361	-0.03585	0.34713
0.02869	0.22218	0.03463	0.00671	0.03903	0.05105	-0.07349
-0.06521	0.01749	-0.02653	-0.04233	-0.03279	-0.04233	-0.04233
0.04168	-0.06204	0.05816	0.08922	0.03909	0.08922	0.08922
0.07661	-0.02731	0.1051	0.10589	0.08204	0.10589	-0.20575
0.09893	0.03458	0.10276	0.1392	0.08361	0.05604	0.1392
-0.18443	0.14425	-0.09455	-0.00928	-0.0074	-0.00928	-0.00928
-0.08418	-0.05847	0.21152	0.01641	0.01304	0.01641	0.01641
0.13202	0.16007	0.05754	-0.09955	0.07711	-0.09955	-0.09955
0.0227	0.18152	0.00096	0.0227	0.08595	-0.02138	0.14739
-0.0338	0.05831	-0.12048	-0.0338	-0.02646	-0.0338	-0.0338
0.02869	0.03528	0.1016	0.1016	0.0859	-0.02782	-0.14911
-0.01667	0.04161	-0.02465	-0.12007	-0.0531	-0.17748	-0.07241
0.18038	-0.01047	0.08841	-0.10539	-0.07081	-0.10539	-0.10539
0.19696	-0.07604	0.01077	0.01077	0.00858	0.01077	0.01077
0.10479	0.09627	0.07319	0.1832	0.0933	0.1832	0.1832
-0.07294	-0.02132	-0.05445	0.17341	0.04518	-0.08011	0.06005
0.00349	-0.04681	-0.00161	-0.13052	-0.08082	-0.13052	-0.13052
0.04287	0.12757	0.13323	-0.00856	-0.00682	-0.13145	-0.00856
-0.12565	-0.10104	0.02448	-0.05064	0.05196	-0.05064	-0.05064
-0.04337	0.00047	-0.04756	-0.04455	-0.03441	-0.04455	-0.04455
-0.00717	-0.03026	-0.03677	-0.05302	-0.04041	-0.05302	-0.05302
-0.02969	0.01306	-0.22081	0.08707	0.06161	0.02257	-0.04118
0.02188	-0.13307	0.11091	0.07225	0.06122	0.06892	0.06892
-0.21467	-0.12653	-0.07528	0.05919	0.04461	0.05919	0.05919
-0.04034	0.07678	-0.15302	-0.04034	-0.08229	0.00021	0.01171
0.06562	-0.18082	0.02556	0.04076	0.03164	0.04076	-0.19059
0.01436	0.03706	0.17053	0.16184	0.03419	0.16184	0.16184
-0.01112	0.17509	-0.00998	-0.12743	-0.07975	-0.12743	-0.12743
0.0236	0.07635	0.01907	0.0236	0.01866	0.0236	0.0236
-0.17595	-0.03972	-0.04621	0.25138	0.09881	0.25138	0.25138
-0.07939	-0.00049	0.02668	0.18984	0.09424	0.18984	0.18984
-0.10206	0.12608	0.04741	0.01824	0.04934	-0.07128	0.06642
-0.04222	0.02324	0.08786	-0.04222	-0.02517	-0.02265	-0.02265
-0.04302	-0.09138	-0.01924	-0.09138	-0.06392	-0.09138	0.0482
-0.02951	-0.15788	-0.06844	-0.06844	0.01105	-0.06844	-0.06844
-0.05294	-0.12646	0.00433	0.09199	0.06424	-0.00182	-0.09824
0.04655	0.00368	-0.13485	0.08105	0.05824	0.08105	0.08105
0.11012	0.09851	0.06365	0.11079	-0.04628	0.08437	0.11079

0.13185	-0.01474	-0.02742	0.03479	0.02721	0.03479	0.03479
-0.10787	-0.18069	0.14468	-0.05785	-0.06566	-0.05785	-0.05785
0.02848	-0.03456	0.07172	0.04843	0.03718	0.02247	0.04843
0.22209	0.13991	-0.05379	-0.03662	-0.03932	-0.11969	-0.05146
0.05905	-0.05699	0.12638	-0.05444	-0.04138	0.11282	-0.05444
-0.02007	0.01207	-0.07552	0.01207	0.00961	-0.06486	0.01207
0.00545	0.05665	-0.09749	-0.04051	-0.0168	-0.04051	-0.0021
-0.13684	-0.06872	-0.11964	-0.14506	-0.08531	-0.14506	-0.11662
0.10374	-0.10553	-0.06278	-0.22316	-0.09744	-0.22316	-0.13205
0.00375	-0.10332	0.01993	-0.05372	0.06829	0.10005	0.10005
-0.01171	0.01328	0.15875	0.01328	0.01056	0.01328	0.01328
-0.17162	0.08729	0.05888	0.03488	0.02727	0.03488	0.03488
0.04861	-0.0723	0.02718	-0.16364	-0.08982	-0.00807	-0.16364
-0.03557	0.07343	-0.09173	0.03403	0.02664	0.03403	0.03403
0.17618	-0.16055	0.09019	-0.04094	0.02157	-0.04094	-0.04094
0.08358	-0.00294	0.07653	0.0565	0.04279	0.0565	0.07668
-0.05908	0.01252	-0.01129	0.06388	0.09603	0.06388	0.13435
0.14187	0.05887	0.01253	-0.01289	-0.04978	-0.0671	-0.0671
-0.14537	0.15252	-0.13837	-0.07684	-0.05578	0.12436	0.06355
0.02348	-0.04989	-0.08165	-0.03224	-0.02528	-0.03224	-0.03224
-0.01713	0.17999	0.1819	0.23208	0.09797	0.23208	0.23208
0.03721	-0.01511	0.1749	0.1749	0.09197	0.13266	0.1749
-0.09299	-0.02689	-0.11319	0.08891	0.06981	-0.01343	0.08891
-0.08396	0.12807	0.04652	0.12807	0.07997	0.12807	0.12807
0.00679	0.11307	-0.03773	0.00679	-0.0901	-0.11854	0.00679
0.13319	-0.28008	-0.01967	0.13319	0.08171	0.13319	0.13319
-0.05236	0.04289	-0.23297	-0.04728	0.0169	-0.04728	-0.04728
0.08284	-0.05539	-0.03867	0.08284	0.05925	0.08284	0.03609
-0.00517	-0.09048	-0.07473	-0.07435	-0.07767	-0.07435	-0.02079
0.16671	-0.05419	-0.00659	0.01786	0.01655	0.02089	0.02089
-0.09047	-0.02983	-0.12235	-0.09047	-0.06344	-0.09047	-0.09047
0.05004	0.00173	0.00807	0.05733	0.06983	-0.10372	0.10327
-0.04142	-0.02511	-0.17936	0.00215	0.00172	0.00215	0.00215
-0.13236	0.17249	-0.13236	-0.13236	-0.08144	0.01978	-0.16185
-0.0892	0.11859	-0.1638	-0.0892	-0.06276	0.02614	0.04797
-0.12096	-0.10716	0.01579	-0.01717	0.07711	0.12032	0.12032
0.06688	0.09707	0.05404	-0.20932	-0.09637	-0.20932	-0.20932
-0.07156	-0.07816	0.07363	-0.07156	0.02179	-0.07156	-0.07156
-0.01369	0.06385	-0.01841	0.05754	0.03708	0.05754	0.05754
-0.07254	0.14934	0.07625	0.07625	0.0118	0.07625	0.07625
0.08287	0.03657	0.26586	-0.00256	-0.00204	-0.00256	-0.00256
0.03593	-0.04417	-0.06192	0.09485	0.06571	0.09485	-0.08158
0.01295	-0.15862	0.16299	0.12874	0.08021	0.12874	0.12874
-0.13218	0.04274	0.03376	0.11313	0.0565	0.11313	0.08683
0.11964	-0.01081	-0.03688	0.01278	-0.0903	0.01278	0.01278
-0.22586	0.02239	0.1952	0.1952	0.09454	0.19223	-0.11175
-0.02606	-0.16854	0.04472	0.00264	0.0021	0.00264	-0.00496
0.0646	0.0727	0.09207	0.0646	0.04817	0.0646	0.0646
0.01642	-0.21435	-0.0036	-0.21435	-0.09679	0.13094	-0.08465
-0.05043	0.05433	0.05328	0.04154	0.03221	0.04154	0.04154
0.16295	-0.08441	-0.18773	-0.23668	-0.09821	-0.23668	-0.23668
-0.10513	0.09747	0.12755	-0.03656	0.0169	-0.03656	-0.08415
-0.01419	0.14238	-0.03783	-0.06111	0.08294	-0.06111	-0.06111
-0.17894	-0.16091	0.01896	0.20798	0.02335	0.20798	0.20798
0.01015	-0.00937	-0.1325	0.03546	0.0991	-0.12593	0.26134

0.05586	0.11192	-0.04256	0.06283	0.03779	-0.02656	0.06283
-0.13914	0.02103	-0.01985	0.00128	0.00102	0.00128	0.01555
0.07109	-0.03139	0.07636	-0.11721	0.09927	-0.11721	-0.11721
-0.03534	-0.18038	-0.0585	-0.00797	-0.05481	-0.07522	-0.07522
0.04836	0.18655	-0.11699	-0.14289	-0.0847	-0.14289	-0.14289
-0.06279	0.04834	0.02776	-0.07397	-0.05405	-0.09936	-0.07397
0.03568	-0.04342	0.00374	0.00374	0.09995	-0.00204	0.34713
-0.07808	-0.01838	-0.07647	0.05105	0.03903	0.11151	0.10686
-0.01122	-0.08045	0.09819	-0.04233	-0.03279	-0.04233	0.09706
0.09394	0.08253	0.19926	0.09021	0.06277	0.08922	0.08922
0.11308	0.17477	0.0043	0.11976	0.07104	0.10589	-0.10945
0.17762	-0.06582	0.0516	0.1392	-0.05835	0.1392	-0.04537
-0.0899	0.02898	0.14064	-0.00928	-0.0074	0.22482	-0.00928
0.003	0.01641	-0.05581	0.01641	-0.02221	0.01641	0.01641
0.11425	0.00457	0.03035	-0.09955	-0.06805	-0.09955	0.00555
0.16247	-0.02706	-0.04287	0.09126	0.08595	0.14739	0.14739
-0.0338	-0.00657	0.07088	-0.0338	-0.02646	-0.0338	0.17146
-0.01024	-0.13577	-0.01288	-0.00891	0.05817	-0.00891	-0.00891
-0.06465	0.1286	-0.15687	-0.07241	-0.0531	-0.07241	0.14823
-0.08101	-0.07865	0.00332	-0.10539	-0.07081	-0.10539	-0.10539
0.1794	0.11094	0.15713	0.01077	0.00858	-0.10039	0.01077
-0.0502	-0.04489	0.06409	0.1832	0.0933	0.1832	0.1832
0.06672	0.06005	-0.07021	0.06005	0.04518	0.06005	0.06005
0.0325	0.06545	0.08896	-0.13052	-0.0054	-0.13052	-0.13052
0.07926	-0.06119	0.23024	-0.00856	-0.00682	0.03785	-0.00856
-0.05622	-0.05622	-0.03524	-0.09453	0.01949	-0.05064	-0.05064
-0.01501	-0.01321	0.04997	-0.03495	0.03937	0.05154	0.04255
0.01353	0.30133	-0.12636	-0.05302	-0.05905	-0.05302	-0.05302
-0.11037	0.09657	-0.17036	0.08707	0.06161	0.08707	0.08707
-0.17751	-0.09495	0.10954	-0.07436	0.05093	0.06892	0.06892
-0.13933	0.04002	-0.01196	-0.00257	0.04461	-0.07643	0.05919
-0.08533	-0.22298	-0.08786	0.05317	0.0405	0.05317	0.05317
0.04076	0.01267	0.04076	0.04076	0.03391	0.04076	0.04076
0.16184	0.10754	-0.00825	0.16184	0.08944	0.16184	0.16184
0.11466	0.026	0.01297	0.02258	0.01208	0.0152	0.0152
0.02505	-0.00905	-0.17665	0.0236	0.01866	0.0236	0.17901
-0.03612	0.07603	-0.13504	0.25138	0.09881	0.25138	0.25138
-0.10578	-0.03553	0.08367	-0.00601	-0.00479	-0.00601	0.0765
0.15917	-0.14724	-0.11162	0.003	-0.02063	0.06642	0.06642
0.04004	-0.11346	-0.02265	-0.02265	-0.01792	-0.02265	-0.02265
0.06801	-0.04691	-0.01513	0.0871	-0.06392	-0.09138	-0.09138
-0.07241	0.08638	-0.06169	-0.06844	-0.05063	-0.06844	0.10888
0.06159	0.04054	0.06359	0.09199	0.06424	0.2054	0.09199
-0.04827	0.08105	0.13481	0.08105	-0.07234	0.08105	-0.01494
0.00438	-0.17821	0.21245	0.11079	0.07321	0.11079	0.11079
-0.06104	0.06096	-0.05765	-0.05765	0.02721	0.16146	-0.04521
-0.18405	0.14965	0.12701	-0.05785	-0.04371	-0.05785	-0.05745
0.0362	0.01669	-0.02698	0.04843	0.03718	-0.08157	-0.11713
-0.00513	-0.10319	0.09628	-0.05146	-0.06417	-0.00093	-0.05146
-0.05444	0.1763	0.00491	-0.05444	-0.04138	-0.05444	-0.05444
-0.13455	-0.01389	-0.0819	0.01207	0.00961	0.01207	0.01207
-0.08797	0.00551	0.03688	-0.04051	-0.00203	-0.04051	-0.04051
0.22561	-0.02855	-0.08711	-0.13053	-0.08531	-0.14506	-0.14506
0.06232	0.04836	-0.01971	-0.04134	-0.07904	-0.02569	-0.22316
0.13197	0.12983	0.12812	0.10005	0.06829	0.10132	0.10005

-0.02551	-0.07381	0.04362	0.01328	0.01056	0.01328	0.01328
-0.03923	-0.02106	-0.0029	0.03488	-0.01247	0.03488	0.12693
0.04961	0.02692	-0.18432	-0.06116	-0.08982	-0.16364	-0.16364
-0.00801	-0.06063	0.10213	0.03403	0.02664	0.03403	0.03403
0.01223	-0.04094	0.02837	-0.04094	0.07728	-0.04706	-0.20042
-0.23031	0.0565	0.0565	0.0565	0.04279	-0.08836	0.0565
0.16612	-0.11365	0.00355	0.06388	0.03842	0.06388	-0.06057
0.01346	0.00068	0.16105	-0.04825	-0.03706	-0.04825	-0.04825
-0.0183	0.0631	0.06974	-0.07684	-0.05578	0.03429	-0.07684
-0.03224	-0.15253	0.05302	-0.03224	-0.02528	0.05639	-0.00581
-0.16144	0.10288	-0.03208	0.23208	0.09797	0.23208	0.23208
-0.09337	0.06765	0.21829	0.1749	0.09197	-0.02006	0.1749
0.10971	-0.08956	-0.07114	-0.01695	-0.00856	0.14017	0.03736
-0.12525	0.01492	-0.00727	-0.00727	-0.00579	0.10468	-0.00727
0.03395	0.11838	-0.06514	-0.06778	0.00542	0.00679	0.00679
0.13319	-0.04829	-0.09168	0.13319	0.08171	0.16711	-0.10022
-0.05998	-0.02745	-0.04636	-0.04728	-0.03637	-0.14651	0.12955
0.07695	-0.00791	-0.10522	-0.02702	0.05925	0.08284	0.08284
0.08712	-0.00291	0.01323	-0.07435	-0.03065	-0.07435	-0.07435
-0.10447	0.18664	-0.15199	0.02089	0.09826	0.02089	0.02089
0.01829	-0.03947	-0.05852	-0.09047	-0.06344	-0.09047	-0.09047
-0.16943	-0.05269	0.08146	0.10327	-0.04428	0.10327	0.10327
-0.04814	0.10621	-0.19136	0.00215	0.00172	0.00215	-0.03309
0.03561	-0.09602	0.04132	-0.13236	-0.08144	-0.13236	-0.07944
-0.03585	0.0687	0.03932	-0.0892	-0.06276	-0.01069	-0.0892
0.0477	0.08654	0.05752	0.08654	0.00253	0.12032	0.12032
-0.00931	-0.20932	0.09354	-0.20932	-0.09637	-0.20932	-0.20932
-0.07721	-0.10959	-0.03892	-0.03892	-0.00426	-0.03892	-0.03892
0.05754	0.03733	0.05754	0.05754	-0.06591	0.05754	0.10708
-0.06363	-0.03329	0.03449	-0.17419	-0.09185	-0.17419	0.03745
-0.00256	0.01035	-0.08387	-0.00256	-0.00204	-0.00256	-0.00256
0.00486	0.05278	0.16762	0.07597	0.01083	0.07597	0.07597
-0.01774	-0.02275	-0.0212	0.04279	-0.01905	0.12874	0.12874
0.16904	0.04029	-0.04618	0.03997	0.03106	0.03997	0.03997
-0.14273	-0.19284	-0.11356	0.01278	0.05577	0.01278	0.06198
0.00126	-0.14154	-0.09612	0.00126	0.09454	0.19223	0.19223
0.07979	0.10287	0.13184	0.02041	0.0021	0.00264	0.00264
0.12456	0.14539	0.12793	0.0646	0.04817	0.0646	0.0646
-0.05378	-0.01703	0.1362	0.02101	-0.09679	0.00373	-0.21435
-0.02061	0.01524	-0.10398	0.01524	0.01211	-0.01197	0.02516
0.08072	-0.12276	-0.23668	-0.23668	-0.09821	-0.23668	0.06692
-0.02557	0.09093	0.00346	-0.03656	-0.02853	0.11225	-0.1016
0.09433	-0.00337	-0.0791	-0.06111	-0.04589	-0.06111	-0.06111
0.13633	0.13509	-0.00818	-0.03368	0.09625	0.20798	0.20798
0.05939	0.18133	-0.15414	0.18133	-0.04716	0.18133	0.18133
0.00841	0.07898	0.11032	0.06283	0.04702	0.06218	0.06283
0.0212	0.2337	-0.02098	0.00128	0.00102	-0.03358	0.00128
0.11723	-0.13641	-0.06664	-0.08508	-0.07589	-0.11721	-0.11629
-0.0394	-0.0256	0.03201	0.03201	-0.01753	0.16407	0.07691
-0.12739	0.10966	0.06793	-0.14289	-0.0847	-0.14289	-0.06464
0.02989	0.06306	-0.18094	-0.07397	-0.05405	-0.07332	-0.07397
0.34713	-0.18719	-0.04067	0.34713	0.09995	0.34713	0.34713
-0.20792	-0.03939	0.04039	-0.04656	0.03903	0.05105	-0.02731
0.07235	-0.06483	0.09484	0.07235	-0.03279	-0.04233	0.19773
-0.06829	-0.09885	0.0615	0.08922	0.06277	0.10321	0.08922

0.18812	0.03288	-0.03066	-0.11132	-0.07344	-0.11132	0.09583
0.04168	0.1392	0.03536	0.1392	0.08361	0.1392	-0.0169
-0.09532	0.01921	0.22838	-0.00928	-0.07566	-0.11677	-0.00928
0.02319	0.19903	0.01641	0.01641	0.02076	0.01641	-0.05562
-0.04725	-0.07812	-0.09955	-0.09955	-0.06805	-0.09955	0.06832
0.14739	-0.02732	-0.0761	0.14739	0.08595	0.14739	0.14739
-0.02575	-0.12586	-0.10556	0.05087	0.07855	0.05087	0.05087
-0.13652	0.02545	0.02481	0.02481	-0.03772	0.00586	0.02481
0.0772	0.12033	0.04417	-0.07241	-0.0531	-0.07241	0.06249
-0.09906	0.0062	0.10297	-0.10539	-0.09832	0.1343	-0.10539
0.00381	-0.24242	-0.15768	-0.24242	0.08738	-0.04201	-0.04201
0.08752	-0.10279	0.19544	0.1832	0.0933	0.1832	-0.20636
-0.06506	0.02324	0.12101	0.06005	0.04518	-0.0037	0.06005
-0.06885	0.1522	-0.09269	-0.13052	-0.08675	-0.13052	-0.13052
-0.01821	-0.28606	0.005	-0.07889	-0.00682	-0.01755	-0.00856
0.05368	-0.04429	0.06725	0.01419	-0.03874	-0.05064	-0.05064
0.16838	0.04029	0.03397	0.16838	0.09078	0.16838	0.16838
-0.236	0.09666	-0.19247	0.06102	0.01379	0.0616	0.01052
0.12991	-0.14524	0.02155	0.08707	0.06161	0.08707	0.08707
-0.00351	0.07536	-0.02436	0.06892	0.05093	0.06892	0.06892
0.02695	0.05458	-0.00724	0.05919	0.04461	0.05919	0.05919
0.209	-0.01257	0.04238	0.04238	-0.05144	-0.06085	0.05317
0.05839	-0.06371	0.15307	0.05839	0.03164	-0.0743	0.04076
0.121	0.06343	-0.12051	0.121	-0.05773	0.121	0.121
-0.0355	-0.03711	-0.05098	0.04546	0.01208	0.0152	0.02796
-0.14251	0.0236	0.1022	0.0236	0.01866	0.17243	0.0236
-0.08588	-0.0231	0.12141	0.25138	0.09881	0.25138	-0.00054
0.00047	-0.138	-0.00601	-0.00601	-0.00479	-0.0301	-0.00601
0.07224	0.05409	0.03187	0.05409	0.04934	0.01133	0.06642
0.1203	0.07835	-0.14255	-0.02265	0.07566	-0.02265	-0.02265
0.06714	0.00183	0.23609	-0.27679	-0.09944	-0.27679	-0.27679
-0.01698	-0.10372	0.15725	-0.06844	-0.05063	-0.06844	-0.06844
0.09199	-0.00613	0.02335	0.09199	0.06424	0.09199	0.09199
0.04483	0.04881	-0.00119	0.08105	0.05824	-0.17039	-0.02958
0.03096	0.03834	-0.01522	0.11079	-0.08685	-0.01081	0.11079
-0.04949	0.12644	-0.09844	0.02272	0.01797	0.10868	0.02272
0.09815	0.17497	-0.03467	-0.05785	-0.04371	-0.02475	-0.0922
0.01004	-0.04902	0.0642	0.04843	0.04526	0.04843	0.04843
0.34316	-0.08858	0.00554	-0.00709	-0.00565	0.07162	-0.00709
0.01413	-0.21672	0.04171	-0.05444	-0.04138	0.03535	0.05062
-0.07053	0.02098	-0.06944	0.01207	0.00961	0.01207	0.01207
-0.00554	-0.05779	-0.18438	-0.12673	-0.00686	-0.12673	-0.12673
-0.11921	-0.07933	-0.05821	0.03504	0.02739	0.03504	0.03504
0.03382	-0.12086	0.06385	0.18553	-0.09744	-0.22316	-0.22316
-0.01259	-0.03874	0.02214	0.10005	0.06829	0.10005	0.10005
-0.04964	-0.03155	-0.10995	0.01328	0.01056	0.16288	0.01328
-0.06511	0.10454	-0.14034	0.03488	0.09002	0.03488	-0.10571
-0.06941	0.04575	0.12179	-0.13992	-0.0774	0.01165	-0.12106
-0.17633	-0.15551	-0.06214	-0.06214	0.02664	0.03403	0.03403
-0.03241	0.14694	0.04349	-0.04094	-0.06048	-0.04094	-0.01884
0.14793	0.09149	-0.04078	0.05653	0.04279	0.03969	0.0565
-0.09671	0.01534	0.02037	0.12635	-0.0826	0.00918	0.00918
0.06565	-0.1958	0.17037	-0.04825	-0.03774	-0.04825	-0.04825
0.04833	-0.09691	-0.17908	-0.07684	-0.05578	0.12801	-0.0051
0.09031	0.00683	0.03567	-0.03224	-0.02528	-0.03224	-0.04339



0.20667	-0.00638	-0.00757	-0.1342	-0.08204	-0.1342	-0.1342
-0.16145	0.02734	-0.09924	0.1749	0.09197	0.1749	-0.07698
-0.00294	0.06941	0.14148	0.08891	0.06261	0.08891	0.08891
0.18707	0.18809	0.08207	0.18707	0.06552	-0.10714	0.18707
0.06849	-0.02009	-0.03539	0.00679	0.00542	0.00679	0.07027
0.00252	0.06647	-0.07667	0.04961	0.08018	0.13319	-0.09181
-0.12339	-0.05686	0.00107	-0.0366	-0.03637	-0.04728	0.03028
0.12285	-0.07971	0.0906	0.03058	0.07218	0.08284	0.04885
-0.09279	0.00144	0.01987	-0.07435	-0.05428	-0.00275	0.00694
0.01944	-0.13103	0.04817	0.01944	0.07942	0.01944	-0.08391
-0.09047	0.06748	0.07102	-0.09047	0.02252	-0.09047	-0.09047
0.08272	-0.05632	-0.10437	0.10327	0.06983	0.10327	0.10327
-0.05613	-0.04501	0.00413	-0.02868	-0.02257	-0.01877	-0.0592
0.11321	-0.06089	0.09322	-0.13236	-0.08144	-0.13236	-0.13236
-0.0239	0.0514	-0.03283	-0.0892	-0.06276	-0.0892	-0.0892
-0.05035	0.12032	0.15186	0.12032	-0.00028	0.12032	0.12032
0.02693	-0.0778	0.02627	-0.20932	0.05237	-0.0534	-0.20932
0.19569	-0.09804	0.19342	0.16439	0.08998	0.16439	0.16439
-0.00348	-0.1677	-0.01329	-0.09744	-0.06701	-0.026	-0.09744
0.00987	0.12731	-0.25687	-0.20749	-0.0962	-0.20749	-0.20749
-0.12998	-0.0059	-0.00167	-0.00256	-0.00204	-0.00256	-0.00256
-0.01467	0.15726	-0.09275	0.07597	0.09257	0.06938	0.07597
-0.03706	0.05904	0.0718	0.12874	0.08021	0.00125	0.07612
0.01346	0.03997	-0.06285	0.03997	0.03106	0.03997	0.03997
-0.21018	-0.03455	-0.00917	-0.03222	0.01017	0.01278	0.01278
0.14178	0.09519	0.12436	-0.13677	0.09454	0.11042	0.19223
0.09609	0.03711	-0.08047	0.00264	0.0021	0.13544	0.00264
0.05472	0.17136	0.05544	0.0646	0.04817	0.04576	0.0646
0.09931	-0.00063	-0.06455	-0.04646	0.0617	-0.21435	-0.21435
0.01524	0.00889	-0.03157	0.01524	-0.08223	0.01524	-0.00445
-0.06025	0.0488	-0.07154	-0.01623	-0.09821	-0.23668	-0.10839
-0.1404	0.20673	0.07442	-0.03656	-0.02853	-0.2495	-0.03656
-0.04886	-0.17081	0.02516	-0.06111	0.00564	-0.06111	-0.01313
-0.03627	0.20798	-0.14599	0.20798	0.09625	0.20798	0.20798
0.04858	-0.11024	-0.09944	-0.11024	-0.07297	-0.11024	-0.11024
0.06283	0.03179	0.03408	0.06283	0.04702	0.06283	-0.06832
-0.01649	-0.0621	-0.05136	0.00128	-0.01477	0.00128	0.00128
0.12365	0.05419	0.00645	-0.11721	-0.07589	-0.11721	-0.1715
0.02526	-0.07654	-0.27127	-0.06188	-0.05481	-0.07522	0.09324
-0.07108	-0.04476	0.0504	-0.14289	-0.04605	-0.14289	-0.14289
0.21848	0.02507	0.11543	-0.07397	0.04326	0.16321	-0.07397
0.06728	0.10059	-0.01237	0.34713	-0.03423	0.34713	0.34713
0.03504	-0.11654	-0.01427	-0.11654	0.03903	0.05105	0.05105
0.07487	-0.10549	0.15341	0.20667	-0.03279	0.07159	-0.04233
-0.12196	-0.02653	0.17132	-0.02836	-0.02233	0.04371	-0.02836
-0.08721	0.10911	-0.10675	0.10911	0.08996	-0.11132	-0.11132
-0.00041	0.1392	0.05887	0.1392	0.08361	-0.00037	0.1392
-0.21102	0.1587	0.09658	-0.00928	-0.0074	-0.00928	0.00192
0.04389	-0.00114	0.01641	0.01641	0.01304	0.01641	0.01641
0.07102	-0.02301	0.00091	-0.09955	0.03698	-0.09955	-0.09955
-0.04769	0.07908	-0.07446	-0.03587	0.00175	0.14739	0.14739
0.08993	0.0915	-0.03173	0.05087	0.0389	0.11336	0.05087
0.14681	-0.06816	-0.00766	0.08677	0.01959	0.02481	0.10695
0.01508	-0.10359	0.03104	-0.0077	-0.0531	0.03254	-0.03097
0.06703	-0.10539	-0.05039	-0.10539	-0.07081	-0.10539	-0.10539

-0.21095	-0.09887	0.01972	-0.09887	-0.08266	-0.04884	-0.0697
-0.01972	0.05873	0.07688	0.1832	0.0933	0.1832	0.1832
0.23224	0.1626	0.10121	-0.20419	-0.07377	0.06005	0.06005
-0.05648	0.01869	-0.01526	-0.12438	-0.08082	0.13825	-0.13052
-0.00856	-0.04619	0.06343	-0.00856	-0.00682	-0.00856	-0.08747
-0.00069	-0.20897	0.11586	-0.05064	-0.03874	-0.05064	-0.05064
-0.06849	0.00653	0.13353	0.16838	0.09078	0.16838	0.16838
-0.03399	0.02878	-0.12443	-0.05131	-0.03921	-0.05131	0.0552
0.00838	-0.13759	-0.0856	0.00365	0.06161	0.08707	0.08707
0.11542	0.06892	-0.15331	0.06892	0.0705	-0.064	0.06892
-0.10167	-0.03116	-0.05757	0.05919	0.04461	0.04933	0.03027
-0.11066	0.05094	0.16819	0.05317	0.0405	0.05317	0.05317
-0.14278	-0.05402	0.05014	0.04076	0.04812	0.04076	0.04076
-0.10129	-0.0387	0.10245	0.121	0.07737	0.121	0.121
0.077	0.15943	0.00682	0.0152	0.04199	0.0152	0.0152
-0.05552	0.11032	-0.09126	0.12312	0.01866	-0.12035	0.0236
-0.04386	-0.21295	0.23117	0.23117	-0.09583	0.08887	0.25138
-0.20875	-0.00601	0.05968	-0.00601	-0.00479	-0.04682	-0.00601
-0.10702	-0.01824	0.08388	0.06642	0.04934	0.06642	0.27395
-0.02113	0.09717	-0.12369	0.06311	-0.01469	-0.02265	-0.02265
0.06127	-0.03011	0.04262	0.01532	-0.07358	0.01532	0.01532
0.03544	0.06064	-0.04242	-0.06844	0.03681	-0.06844	-0.06844
0.27964	0.03262	0.24008	0.04673	0.02357	0.04673	0.04673
-0.0266	-0.00792	0.03239	-0.04554	-0.0304	0.00247	-0.03908
0.13256	0.04339	-0.01856	0.11079	0.07321	0.11079	0.08918
0.08695	0.07704	0.10491	-0.02107	-0.057	-0.02827	-0.02107
0.01832	0.01821	-0.03443	-0.05785	-0.04371	0.06195	-0.05785
0.00676	0.20968	-0.00228	0.04843	0.03718	0.04843	0.04843
-0.00709	-0.09554	-0.13202	-0.00709	0.05201	-0.00709	-0.00709
0.05202	-0.06862	0.14165	-0.05444	-0.04138	-0.05444	-0.05444
0.11471	-0.14437	0.01207	0.01207	-0.04791	0.01207	-0.03448
-0.12673	0.00171	-0.12673	-0.12673	-0.02001	-0.12673	-0.12673
-0.07903	-0.06603	0.02431	-0.14861	-0.06074	0.03504	0.03504
0.05172	-0.01022	-0.11497	-0.22316	-0.06482	-0.22316	-0.22316
0.06292	0.01919	0.10225	0.10005	0.06829	0.10005	0.10005
0.12119	-0.01581	0.04587	0.01328	-0.035	0.01328	0.01328
0.07039	0.09057	0.10516	0.03488	0.02727	0.03488	0.03488
-0.09809	-0.03219	-0.03219	-0.03219	-0.0774	-0.12106	-0.12106
-0.06626	0.00128	-0.15827	0.05642	0.02664	-0.00416	0.05061
-0.21225	0.1459	-0.08089	-0.04094	-0.03178	0.02948	-0.04094
0.00773	-0.07698	0.18463	0.0565	0.04279	0.0565	0.09941
-0.03872	-0.09226	-0.04068	0.04577	0.00731	0.00918	-0.0632
-0.10765	-0.11975	-0.08727	-0.04825	0.02899	-0.04825	-0.04825
-0.03549	0.0422	0.08268	0.02718	0.03298	0.02718	0.02718
-0.03224	0.06307	0.02271	-0.03224	0.06721	-0.09887	-0.03224
-0.13615	-0.0672	0.00033	-0.1342	-0.08204	-0.1342	-0.1342
0.18292	-0.1634	0.15561	0.15561	0.09197	-0.02548	0.1749
0.02313	0.11344	0.03477	0.08891	0.00446	-0.06854	0.08891
0.0204	-0.02663	0.16194	0.0204	0.01617	-0.0601	-0.02896
-0.08008	0.08294	-0.06524	0.00679	-0.00451	0.00679	0.00679
0.02607	0.176	-0.01052	0.13319	0.08171	0.08148	0.03124
-0.01671	-0.04436	-0.01863	-0.04728	0.08699	-0.04728	-0.04728
0.01323	-0.16529	-0.02938	0.01323	-0.09181	-0.21692	-0.07522
0.05113	-0.07546	-0.06462	-0.07435	-0.05428	-0.07177	-0.15557
0.05776	0.0333	0.10905	0.01944	0.08453	0.01944	0.01944

-0.04599	0.05354	0.08814	0.14602	-0.06344	-0.09047	-0.09047
-0.13484	0.20738	0.1649	0.10327	0.06983	-0.08628	0.21483
0.08432	-0.01043	0.00734	-0.02868	-0.02257	-0.02868	-0.02868
-0.05512	-0.03131	-0.07722	-0.13236	-0.08144	-0.13236	-0.13236
0.02368	0.00334	-0.12443	-0.12662	0.0715	0.04939	-0.12662
-0.0909	-0.12811	-0.15485	0.12032	-0.0052	0.12032	0.12032
-0.02446	-0.09679	0.0243	-0.05777	-0.04365	0.09213	0.05985
-0.03061	0.01596	0.06485	0.08443	0.08998	0.16439	-0.0503
0.19457	-0.21113	-0.00353	-0.21113	-0.06701	-0.09744	-0.03331
-0.10596	-0.06704	-0.20749	-0.20749	0.0621	-0.20749	-0.20749
-0.17331	0.07221	0.07412	0.05432	-0.00204	0.06929	-0.12367
0.15639	-0.16375	-0.09463	-0.06061	0.05525	0.05366	0.07597
-0.00666	0.11667	-0.21376	-0.10457	0.04927	0.12874	0.02513
-0.07707	0.15891	0.13075	0.13932	-0.05493	-0.0179	0.03413
-0.03716	0.09973	-0.019	-0.05106	-0.04997	0.01278	0.01278
0.00502	-0.25145	0.0804	0.19223	0.00878	0.19223	0.19223
0.02908	0.04532	0.05105	0.00264	0.0021	0.03364	0.00264
0.1122	-0.03962	0.03996	0.0646	0.04817	0.0646	0.14294
-0.13751	0.05106	0.01758	-0.21435	-0.09679	-0.21435	-0.11052
-0.11501	0.01751	0.06006	0.01524	0.01211	0.01524	0.01524
0.07467	0.00701	-0.19443	-0.23668	-0.09821	-0.23668	-0.23668
-0.01201	-0.12937	-0.04935	-0.03656	-0.02853	-0.03656	-0.21949
0.1093	-0.0065	-0.02376	0.1211	0.01465	-0.06111	0.00524
-0.01723	0.10232	0.10801	0.20798	0.09625	0.20798	0.20798
0.05788	-0.11024	-0.05764	-0.11024	-0.07297	0.11145	-0.11024
-0.05117	0.05456	0.17266	0.06283	0.04702	0.06283	0.06283
-0.08359	0.07092	-0.07833	0.00128	0.00102	0.00128	0.00128
0.22262	-0.05308	0.1446	-0.11721	-0.07589	0.02055	-0.11721
-0.06196	0.10703	0.08631	-0.07522	-0.05481	-0.07522	0.02225
-0.21559	-0.08181	0.0297	-0.14289	0.02616	-0.14289	-0.14289
0.01709	0.15491	-0.07397	-0.07397	0.04862	0.07444	-0.07397
-0.03079	0.03511	-0.0321	0.34713	0.09995	-0.16545	0.34713
-0.10203	-0.02606	-0.15373	0.05105	0.06021	0.05105	0.05105
0.16006	-0.02464	0.14628	-0.04233	-0.03279	-0.04233	-0.06439
0.09031	-0.09426	0.00113	-0.02836	-0.07912	0.15572	-0.02836
0.03379	-0.19303	-0.10032	-0.11132	-0.07344	-0.11132	-0.11132
0.03996	0.17874	-0.10449	0.1392	0.08361	0.1392	0.15395
0.00867	-0.12433	-0.00273	-0.18545	-0.05806	-0.00928	-0.00928
0.24131	0.01641	0.10508	0.01641	0.01304	0.09663	0.01641
0.17594	0.13764	-0.18109	0.17594	0.09215	0.17594	0.17594
-0.01625	0.00482	-0.10417	0.04172	0.08595	0.14739	-0.04344
0.15161	-0.02578	-0.05062	-0.15632	0.03986	0.05087	0.01624
-0.02687	0.05699	0.02317	0.02481	0.01959	0.02481	0.02481
0.0638	0.07357	-0.02781	0.07357	-0.0531	-0.07241	-0.07241
0.01839	-0.08282	0.16549	-0.10539	-0.07081	-0.10539	-0.02283
0.0285	-0.09433	0.06286	0.03738	-0.08266	0.18702	-0.13613
0.00231	0.21268	-0.01127	0.1832	0.0933	0.1832	0.1832
0.01552	0.0518	-0.14623	0.01552	-0.06259	0.06005	0.00802
-0.08868	0.10961	-0.05534	-0.13052	-0.08082	-0.13052	-0.13052
-0.22536	0.09045	0.14526	-0.00856	0.04149	-0.15869	-0.00856
-0.07069	-0.0458	-0.02476	0.08035	0.05783	0.08035	0.08035
-0.01106	-0.08716	0.04935	-0.08716	0.09164	-0.08327	0.16838
-0.04545	-0.18852	0.06962	-0.05131	-0.03921	-0.05101	-0.05131
0.08581	-0.00838	-0.08028	-0.00838	0.04415	0.0762	0.05851
-0.06261	-0.1619	0.03174	0.06892	0.05093	0.06892	0.03404

-0.02985	0.02352	0.01077	0.05919	0.01806	-0.01508	-0.00731
-0.14796	0.03804	-0.08768	0.05317	0.0405	0.05317	0.05317
0.12695	-0.06299	0.0951	-0.07062	-0.05199	-0.07062	-0.07062
0.08261	-0.02996	-0.01691	-0.02636	-0.01289	-0.02636	0.06434
-0.0563	0.16726	-0.14036	0.0152	-0.0403	0.0152	0.02646
0.0236	-0.08401	-0.06826	0.0236	-0.05347	-0.06199	-0.00202
0.03225	-0.10333	-0.1025	0.03225	0.00887	-0.08162	0.25138
-0.02835	-0.00481	0.12263	-0.00601	-0.00479	-0.04944	-0.00601
-0.01042	-0.01523	0.03296	0.06642	0.04934	0.06642	-0.16419
-0.0515	-0.04986	0.18462	-0.02265	-0.01792	-0.02265	-0.02265
-0.11826	0.04768	0.20119	0.20119	0.01218	0.01532	0.01532
-0.10144	0.07658	0.1426	0.11303	-0.09758	-0.06844	-0.07925
0.02015	0.15267	0.08247	0.04673	0.08164	0.04673	0.04673
0.17665	0.05601	0.0427	-0.03908	-0.0304	-0.03908	-0.03908
-0.06778	0.19364	-0.01224	0.19364	0.09472	0.06181	0.02051
-0.02375	0.01472	-0.0278	-0.02107	-0.03093	0.04773	-0.1703
0.04374	0.09149	0.10254	-0.05785	-0.04371	-0.05785	-0.05785
0.1253	0.03307	0.06588	0.01088	0.03718	-0.02495	0.10464
-0.18123	-0.10626	-0.04388	0.13856	-0.08799	-0.00709	0.07495
0.00734	-0.16086	0.02139	-0.05444	-0.04138	0.01439	-0.05444
-0.14443	-0.05834	-0.11487	0.01207	0.00961	0.01207	0.01207
0.09515	0.00222	-0.12673	-0.12673	-0.07556	-0.12673	-0.12673
0.06192	-0.2353	0.01005	0.03504	0.02739	-0.17482	0.03504
0.12545	0.07382	-0.22316	-0.22316	-0.09744	-0.22316	-0.08178
0.07371	0.14462	-0.06392	0.10005	0.02208	0.10005	-0.06241
0.06066	-0.07523	0.10271	0.10271	0.06956	0.10271	0.14081
-0.10841	-0.02405	-0.14626	0.03488	0.02727	0.03488	0.03488
0.23231	-0.12166	0.09171	-0.12106	0.03618	0.04059	-0.12106
0.01985	0.01452	0.00715	0.03403	0.02664	0.03403	0.03403
-0.09977	-0.26724	-0.04826	0.03625	-0.03178	-0.04094	0.21469
-0.13729	0.03131	0.04577	0.0565	0.04279	0.0565	0.0565
-0.06345	0.00918	0.03779	0.00918	0.00731	0.00918	0.00918
-0.17319	0.238	-0.03187	-0.06092	-0.03706	-0.10767	-0.04825
0.132	-0.06277	0.02172	0.02718	0.02143	0.02718	0.02718
0.0015	-0.08603	-0.00708	-0.03224	-0.02528	-0.03224	-0.03224
-0.00709	-0.14292	-0.09657	-0.1342	-0.08204	-0.1342	-0.1342
0.04536	0.1173	0.06863	0.14098	0.09197	-0.02744	0.1749
-0.07328	-0.04719	-0.10035	-0.10035	-0.0916	-0.17282	-0.17282
-0.02262	0.04334	0.16724	0.00978	0.01617	0.08446	0.0204
0.02857	0.00719	-0.07565	-0.14397	0.04604	-0.15597	-0.14397
-0.0399	-0.03467	0.13254	0.13319	0.08171	0.13319	-0.13151
0.09487	0.06135	0.04893	0.04893	-0.02453	0.01268	-0.03124
-0.03492	-0.01013	-0.20765	-0.04278	0.0221	0.02807	0.02807
0.04979	-0.07435	-0.14054	-0.07435	-0.09339	-0.07435	0.03839
-0.02087	0.04388	0.20236	0.01944	0.01541	0.01944	0.01944
-0.07442	0.00855	0.04094	-0.09047	-0.06344	0.21965	-0.09047
0.05726	0.03289	-0.03449	0.02345	0.01854	0.02345	0.02345
0.02114	0.10375	0.15703	-0.02868	-0.05729	-0.02868	0.07292
-0.1606	0.09053	-0.0553	-0.13236	0.01101	-0.10409	-0.13236
0.15999	0.15326	-0.2033	-0.12662	-0.07946	0.03167	-0.12662
-0.08533	-0.00878	0.02445	0.0052	0.07919	-0.15988	-0.15988
0.00699	0.22094	0.03219	-0.01534	-0.01219	-0.02809	-0.01534
0.14657	0.14657	0.05589	0.14657	0.00733	-0.0535	0.00921
0.09226	-0.04223	-0.05225	-0.09744	0.08216	-0.09744	-0.10918
0.03523	-0.01308	0.00813	-0.20749	0.04412	-0.20749	-0.20749

0.11116	-0.02919	-0.1175	-0.1175	-0.00204	0.14424	-0.00256
-0.10977	0.02221	0.09251	0.15498	0.08788	0.15498	0.15498
0.16473	0.07483	0.07733	0.12874	0.05589	0.12874	0.12874
-0.00782	-0.07599	-0.00989	-0.12913	0.09351	0.11119	0.11119
-0.02923	-0.18134	-0.07482	0.03184	0.02498	0.03184	-0.02597
0.19223	0.06209	-0.01423	0.19223	0.09454	0.19223	0.19223
0.07037	-0.11253	-0.12649	0.0163	0.0021	0.00264	0.04675
-0.06671	-0.05536	0.12049	-0.05225	-0.0007	-0.00088	-0.00088
-0.09448	-0.01312	0.01187	0.03399	0.05472	0.07508	-0.05903
0.12887	-0.09816	-0.1785	-0.07311	0.01211	0.01524	0.01524
-0.01573	0.10397	-0.0943	-0.23668	-0.09821	-0.23668	-0.23668
-0.14496	0.00282	0.10227	0.00282	0.00225	0.15599	0.00282
-0.03361	0.17906	-0.02648	-0.06111	-0.02506	-0.06111	-0.06111
-0.0393	0.09175	-0.05522	0.20798	-0.08045	-0.13047	0.20798
0.06026	0.01937	0.12729	-0.11024	-0.07297	-0.11024	-0.11024
0.04388	0.04358	0.023	0.04388	0.00962	-0.05714	-0.05714
0.03112	-0.0652	-0.00383	0.00128	0.00102	0.00128	0.00128
-0.1171	-0.03295	0.03745	0.01198	-0.00077	-0.11721	-0.11721
0.01027	-0.07522	0.05653	-0.07522	-0.05481	-0.07522	-0.07522
-0.00254	0.1386	-0.01551	-0.30176	-0.09975	-0.30176	-0.03221
0.11571	-0.10334	-0.10334	0.13182	0.08126	0.13182	0.13182
0.03998	0.0111	-0.0788	0.34713	0.09995	0.34713	-0.02007
-0.05763	-0.17794	0.04204	-0.08419	0.03903	0.05105	0.05105
0.23464	0.06739	0.15523	-0.04233	0.01847	-0.04233	-0.04233
0.07617	-0.00392	-0.04469	-0.02836	0.09384	-0.02836	-0.02836
0.01547	-0.07784	-0.10883	-0.02511	-0.01983	-0.02511	-0.02511
-0.06995	0.1392	-0.15007	0.1392	0.08361	0.07512	0.04764
0.10333	-0.00928	0.20466	-0.00928	-0.0074	-0.00928	-0.00607
-0.00966	-0.10584	-0.06671	0.01641	0.01304	0.01641	-0.15396
0.04889	-0.06568	0.2403	0.17594	0.09215	0.17594	0.17594
-0.18704	0.01158	-0.07795	0.14739	0.02817	0.14739	-0.09547
-0.09809	0.07367	-0.10197	0.05087	0.0389	0.05087	-0.05571
0.02873	0.16115	-0.19309	0.02509	0.0074	0.04817	0.02481
-0.15651	-0.08507	-0.02772	0.32332	0.0742	-0.09677	-0.07241
-0.07852	0.05854	0.02388	0.0189	0.01499	0.0189	-0.07087
0.08415	0.27213	0.1282	-0.13613	-0.08266	-0.13613	-0.13613
0.06408	-0.02786	0.06606	-0.00287	0.06937	0.07847	0.10231
0.18037	0.04846	0.08926	0.06005	0.04518	0.06005	0.06005
-0.0231	-0.00876	-0.05048	-0.13052	-0.08082	0.05847	0.06217
0.01742	-0.073	0.02708	-0.00856	-0.07786	-0.00856	-0.00856
0.09542	-0.23619	0.03305	0.03305	-0.02599	-0.04917	-0.04917
-0.02859	0.02095	-0.11907	0.16838	0.0809	0.16838	0.16838
0.01115	-0.14535	0.00752	-0.05131	-0.03921	-0.05131	-0.05131
-0.05066	-0.02157	-0.01472	0.05851	0.04415	0.05851	0.13446
0.12479	-0.04695	-0.01206	-0.01742	-0.01383	-0.01742	-0.01742
-0.11186	0.03497	0.1141	0.05919	0.05213	0.05919	0.05919
-0.06492	0.08462	0.03914	0.10425	0.07028	0.10425	0.10425
0.1464	0.11439	-0.13427	-0.07062	-0.06802	0.00161	-0.03044
-0.00334	0.07657	-0.13195	0.15882	0.08878	0.15882	0.15882
-0.09234	-0.15684	-0.1162	0.0152	0.01208	0.0152	0.08289
0.13923	-0.17555	-0.18125	0.0236	0.01866	-0.02536	0.0236
0.08542	-0.09253	0.09216	-0.03266	0.09881	-0.07708	-0.08902
-0.00058	-0.00598	0.00356	-0.00058	-0.01417	-0.01785	-0.01785
0.06642	0.12409	0.11043	0.06642	0.04934	0.05443	-0.1154
0.00622	0.03915	0.18012	-0.02265	0.07076	-0.02265	-0.02265

-0.19	-0.0569	-0.01678	0.01532	0.01218	0.0292	-0.01998
0.03488	-0.01495	-0.02546	-0.06844	-0.05063	-0.06844	-0.06844
0.0093	-0.11946	0.0093	0.0093	0.00741	-0.02102	0.0093
0.01431	0.06207	0.01751	-0.03908	-0.0304	-0.03908	-0.08327
-0.15254	-0.07611	0.0393	0.19364	-0.0568	0.19364	0.19364
-0.02107	0.09458	0.05889	-0.02107	-0.01669	-0.02107	-0.02107
-0.0611	-0.05785	-0.06721	-0.05785	0.08825	-0.05785	-0.05785
-0.0838	0.03376	-0.09595	0.04843	0.03718	0.04843	0.04843
0.07182	0.00426	-0.07287	0.13907	-0.08674	0.09799	-0.00709
0.11533	0.02471	-0.00482	-0.08723	-0.01877	0.23575	0.00711
-0.01838	0.16702	0.07924	0.01207	0.00961	0.01207	0.01207
0.16945	0.13245	-0.12673	-0.12673	-0.0795	-0.12673	-0.12673
0.03932	-0.03394	-0.04267	-0.0346	0.06614	-0.0346	-0.0346
-0.22316	0.06658	-0.00736	-0.22316	-0.09744	-0.22316	-0.22316
-0.03501	-0.07156	0.09516	0.10005	0.06829	0.10005	0.09001
-0.16375	-0.03243	-0.03553	0.10271	0.06956	-0.01806	0.10271
0.10095	0.03488	0.11218	0.03488	0.02727	0.03488	0.03488
-0.12106	-0.313	0.04259	-0.12106	-0.0774	0.18305	-0.12106
-0.01353	0.07338	0.15954	0.03403	0.02664	0.03403	0.03403
-0.00986	0.02228	0.05943	-0.04094	-0.03178	-0.04094	-0.04094
-0.03949	-0.01567	0.03386	-0.18546	0.01438	0.0565	0.0565
-0.01074	-0.06744	0.00027	-0.01074	0.00731	0.00918	0.00918
0.07528	-0.04218	-0.08038	-0.23548	-0.09815	-0.23548	-0.23548
0.0187	0.13159	0.25826	0.02718	0.02143	0.02718	0.08206
-0.10973	-0.11895	-0.04412	-0.12152	-0.02528	-0.139	-0.03224
0.05469	0.2334	0.02197	-0.1342	-0.08204	0.07025	-0.1342
0.05023	-0.00343	-0.05884	0.1749	0.09197	0.1749	0.1749
-0.08933	0.05187	-0.18724	-0.17282	-0.03152	-0.17282	-0.01734
0.05388	0.05388	-0.11242	0.05388	0.04099	-0.11224	0.17299
-0.22761	0.007	0.07029	-0.14397	-0.08501	-0.14397	0.02851
0.00066	0.12733	-0.01898	0.13319	0.08171	0.11915	0.01205
0.1525	0.02995	-0.08526	-0.03124	-0.02453	0.08624	-0.03124
0.11487	-0.0994	-0.14741	0.02807	0.0221	0.04269	0.15226
-0.0399	-0.01197	-0.07435	-0.07435	-0.05428	-0.07435	-0.04935
0.02768	0.11896	0.00303	0.01944	0.01541	-0.08473	0.00535
0.10183	-0.01934	0.01291	-0.20692	-0.05957	0.18898	-0.20692
0.14057	-0.0464	-0.21773	0.02345	0.0004	0.02345	0.02345
0.01873	0.04385	-0.06294	-0.12821	0.08507	-0.12821	-0.12821
-0.01477	0.02135	0.05038	-0.13236	-0.08144	-0.13236	-0.13236
-0.06825	-0.22679	-0.09465	0.0465	0.03581	0.01898	0.06583
-0.06173	0.08816	-0.01133	0.08923	0.06278	0.08923	0.08923
0.17619	0.03833	-0.07253	-0.08124	0.02134	-0.01534	-0.16841
-0.18243	0.01211	-0.01982	0.04454	0.00733	-0.00408	0.00921
0.00196	0.06001	-0.05219	-0.0428	0.07075	-0.09744	0.15448
0.11256	-0.08403	-0.03278	-0.20749	0.04539	-0.20749	-0.20749
-0.13735	-0.12388	-0.14225	-0.00256	-0.07641	0.05611	-0.01723
-0.11006	0.19447	-0.12461	-0.25136	0.03291	0.15686	0.1659
0.054	0.07246	0.06111	0.12874	0.06999	0.12874	0.12874
-0.00634	-0.102	0.11871	0.11119	0.07338	0.11119	0.09403
0.02567	-0.03287	0.02567	0.02567	-0.03348	0.02567	-0.07009
0.05157	-0.16339	0.1442	0.00248	0.00198	0.00248	0.08176
0.06852	0.14984	-0.14303	-0.14303	-0.02921	0.00264	0.00264
-0.09448	-0.06297	-0.00088	-0.00088	-0.08671	-0.00088	-0.00088
0.06482	0.11445	0.08065	0.09605	0.06632	0.09605	-0.03945
-0.02193	0.00668	0.01524	0.01524	0.0809	0.01524	-0.06892

-0.07219	-0.15986	-0.04458	-0.23668	-0.09821	-0.23668	-0.23668
-0.06519	-0.08563	0.05219	0.00282	0.00225	0.00282	0.00282
0.02166	0.08061	-0.02115	-0.10908	-0.07246	-0.10908	-0.10908
0.00902	-0.21655	0.01488	-0.21655	-0.09697	-0.21655	0.08892
0.0713	-0.03983	-0.13085	0.01738	0.07874	0.12465	0.12465
0.00801	-0.02059	0.25751	-0.05714	0.07607	0.00888	0.23189
0.09882	0.00128	-0.06586	0.00128	0.00102	0.02425	0.00128
-0.00142	0.19773	-0.08145	-0.11721	-0.07589	-0.11721	-0.11721
-0.13808	0.03194	-0.10831	-0.07522	-0.05481	-0.20092	-0.07522
-0.08493	-0.07417	0.05829	-0.30176	-0.08673	0.17672	-0.30176
0.1318	0.0189	0.03622	0.00921	-0.00935	0.00921	0.00921
0.209	0.05233	0.11161	0.34713	0.09995	0.34713	0.34713
-0.03773	0.05105	0.14082	0.05105	0.03903	0.05105	0.05105
0.04158	-0.22557	0.00079	-0.04233	0.01852	-0.04233	0.13418
0.02576	0.06599	-0.09848	-0.02836	0.00984	0.10616	-0.02836
0.10478	-0.11139	-0.02699	0.09202	-0.01983	-0.02511	-0.02511
-0.0447	-0.06437	0.09567	0.1392	0.08361	0.1392	-0.0618
-0.19176	-0.00042	0.31185	0.31185	-0.0074	-0.00928	-0.00928
0.11568	0.06327	0.20697	-0.02164	-0.02062	-0.02164	-0.02164
0.00986	-0.00416	0.17594	0.17594	0.09215	-0.04074	0.17594
0.0402	0.05127	-0.00053	0.14739	0.00773	0.14739	0.14739
0.02482	0.15991	-0.02707	-0.21623	0.0389	0.05087	0.0559
0.05752	-0.0309	0.09152	0.02481	0.01959	-0.07777	0.21711
-0.05677	0.07243	-0.0219	-0.07241	0.05569	-0.07241	-0.07241
-0.03671	0.03619	-0.08779	0.23821	0.06532	0.0189	0.0189
-0.069	-0.1487	-0.13613	-0.13613	-0.08266	-0.13613	-0.13613
0.06987	-0.077	-0.17211	-0.077	-0.05587	-0.077	-0.077
0.14063	0.11644	0.06005	0.06005	-0.08739	-0.16464	-0.1859
-0.0502	0.00985	0.00336	-0.02407	0.08891	-0.13052	-0.0573
0.17174	-0.04281	-0.04382	-0.00856	-0.04128	-0.00856	-0.00856
-0.10992	-0.06519	0.02415	0.14131	-0.03771	-0.04917	-0.0368
-0.13658	-0.11295	0.11745	-0.1186	-0.07644	-0.1186	-0.1186
-0.16483	-0.07959	0.1153	0.1153	0.07511	0.01104	0.08069
-0.01517	-0.02163	0.07086	0.05851	0.04415	0.05851	0.05851
0.10047	0.01353	-0.13073	-0.01742	-0.01383	-0.01742	-0.01742
-0.09223	-0.21758	-0.06831	0.05919	0.04461	-0.08751	-0.04787
0.03415	0.1856	0.10425	0.10425	0.07306	0.02027	0.10425
-0.0039	-0.10077	-0.06608	0.06828	-0.09552	-0.07062	0.02743
-0.08888	0.19648	0.06666	-0.03237	0.09097	-0.03237	0.11674
-0.04588	0.1154	0.1633	0.0062	0.01208	-0.03988	-0.11777
-0.13517	-0.16173	0.22196	0.0236	0.01866	0.0236	0.0236
0.10692	0.13986	-0.01086	0.25138	0.09881	0.25138	0.25138
0.0177	-0.21257	0.09322	-0.01785	0.07094	-0.18103	-0.01785
0.15978	-0.09878	-0.1447	-0.0005	0.01064	0.24994	-0.0005
0.04611	-0.00456	-0.04887	0.0706	-0.01792	-0.02265	-0.01734
0.00216	0.04597	0.06995	-0.07046	-0.01025	0.01532	0.01532
0.25569	-0.05048	-0.03804	-0.00399	-0.05063	0.06574	-0.06844
-0.11222	-0.07552	-0.11382	-0.05981	-0.04502	-0.05981	-0.05981
-0.02986	0.01556	0.03776	-0.03908	-0.0304	-0.03908	-0.03908
-0.21219	-0.02894	-0.02524	0.19364	0.09472	-0.06812	0.19364
0.03813	-0.02528	-0.02107	-0.02107	-0.01669	-0.02107	-0.02107
0.10076	0.16941	0.10082	0.16941	0.09098	-0.0548	0.16941
0.03536	-0.11062	0.01888	0.03536	0.02763	0.03536	0.03536
-0.00981	0.07268	-0.05478	0.01317	-0.06241	0.08683	-0.00709
-0.07517	0.01209	-0.07942	0.08382	0.05981	0.08382	-0.0856

-0.05297	0.02742	-0.09701	0.01207	0.00961	0.01207	0.01207
-0.12673	-0.0537	0.0043	-0.12673	-0.0795	-0.15069	0.09344
-0.0134	0.05178	-0.16669	0.05178	-0.07757	-0.0346	-0.0346
-0.14481	0.23271	-0.00245	-0.22316	-0.02624	-0.22316	0.09479
0.06026	0.04791	-0.02402	0.10005	-0.00505	0.10005	-0.32365
-0.0659	0.0061	-0.09125	0.10271	0.06956	0.10271	0.10271
-0.01945	-0.04453	-0.04576	0.03488	0.04004	0.03488	0.03488
0.15493	0.0636	0.05084	0.14033	-0.06192	0.02446	-0.12106
0.07952	0.03403	-0.10932	0.03403	0.07596	0.08128	-0.04782
-0.04094	0.03486	0.01285	-0.04094	0.02387	-0.04094	-0.04094
-0.00526	0.11586	0.12538	-0.0707	-0.05204	-0.0707	-0.0707
-0.03116	-0.13191	-0.02703	0.04625	0.03562	0.04625	0.04625
0.1754	0.02401	-0.06219	-0.04208	-0.09815	-0.23548	-0.23548
-0.12382	0.07979	0.08392	0.02718	0.02143	0.02718	0.02718
0.03411	-0.03429	-0.03224	-0.03224	-0.02528	0.18949	-0.03224
-0.1342	-0.01669	0.22237	-0.1342	0.00148	-0.1342	-0.1342
0.00048	-0.08744	0.02621	0.1137	-0.03354	0.1749	0.1749
-0.10168	-0.06275	0.01103	-0.17282	-0.01417	-0.17282	-0.00025
-0.03969	0.05388	-0.08133	0.05388	0.04099	0.05388	0.00341
0.0402	0.13144	0.0541	-0.20427	-0.08501	-0.14397	-0.14397
0.11046	-0.18989	-0.24848	0.04585	0.08171	0.03853	0.13319
0.01864	-0.01217	0.15307	0.09493	-0.02453	-0.05611	-0.03124
0.08863	-0.11057	0.03569	0.02807	0.0221	0.02807	0.02807
0.15264	-0.09125	0.02767	-0.07435	-0.05428	-0.07435	-0.07435
-0.02006	0.01428	0.11623	-0.02006	0.00837	0.01944	0.01944
-0.09731	0.03851	-0.02773	-0.20692	-0.09615	-0.20692	0.08056
0.04505	0.17598	-0.07799	0.02345	-0.07202	0.02345	0.02345
0.02404	-0.04602	-0.06459	0.08863	0.08899	0.15976	0.0512
-0.0385	0.09225	-0.13236	-0.13236	0.07278	-0.13236	0.02352
-0.06994	-0.14895	-0.11559	0.0465	0.03581	0.0465	0.0465
-0.20876	0.00712	0.07592	0.08923	0.06278	0.08923	-0.08723
0.12724	0.0592	0.19982	0.07279	0.05333	0.01093	0.07279
0.08932	-0.02306	-0.25994	0.00921	0.00733	-0.00844	-0.02631
0.16056	0.07525	0.064	0.16056	-0.06701	0.05328	-0.21439
-0.00808	-0.20749	0.0931	-0.20749	-0.0962	-0.20749	-0.20749
-0.04634	-0.18872	0.01323	-0.18872	-0.00204	-0.00256	-0.00256
0.1826	0.11827	-0.10254	0.15498	0.08788	0.15498	0.12756
0.07996	-0.02557	-0.02195	0.12874	0.08562	0.12874	0.12874
-0.16005	-0.20455	-0.14455	0.11119	-0.05207	-0.1492	0.11119
0.03707	-0.05979	0.14109	0.02567	0.02026	0.02567	0.02567
0.01147	-0.005	0.00248	0.00248	0.00198	-0.07587	-0.01157
0.0615	0.04847	-0.01093	-0.13267	0.0021	0.00264	0.00264
-0.01298	-0.00088	0.00686	-0.00088	0.01503	-0.00088	-0.00088
0.07275	0.03254	0.03387	-0.15352	-0.03779	0.09605	0.09605
0.02828	0.04595	-0.21154	0.01524	0.07786	0.01524	0.01524
0.02219	-0.12008	0.07815	-0.23668	-0.09821	-0.23668	0.04794
0.12817	-0.15332	0.03951	0.13855	-0.0713	0.00282	0.00282
0.00132	-0.0961	0.13524	-0.10908	-0.07246	-0.10908	-0.10908
-0.13862	0.02957	-0.07904	0.02957	-0.02481	0.0066	-0.03161
-0.11386	0.09839	0.01085	0.06658	0.07874	0.12465	0.09608
0.05494	-0.02681	0.11292	-0.05714	-0.04323	-0.05714	-0.05714
0.24837	0.14602	-0.04841	-0.09503	0.00102	0.00128	0.00128
-0.07788	0.01822	-0.11573	-0.01848	-0.01466	-0.01848	-0.01848
-0.07522	-0.17267	0.0179	-0.07522	-0.08635	-0.07522	-0.07522
-0.05072	-0.30176	-0.30176	-0.30176	-0.09975	-0.30176	-0.30176



0.12002	0.0044	-0.09319	0.00921	0.00734	-0.00574	-0.00742
-0.23393	-0.02282	0.18857	0.34713	0.04992	0.34713	0.34713
0.05105	0.1129	0.05336	0.05105	0.03903	0.05105	-0.1207
-0.00731	0.06538	-0.06312	-0.04233	-0.06493	-0.04233	-0.04233
-0.01651	-0.06984	-0.03829	-0.02836	-0.02233	0.08641	-0.02836
-0.09303	-0.03981	-0.02368	-0.02511	-0.01983	-0.02511	-0.02511
-0.06211	0.20982	0.09524	0.1392	0.01895	0.1392	0.1392
0.08572	-0.01181	-0.14838	-0.00928	-0.0074	-0.00928	-0.00928
0.07417	-0.00504	0.14978	-0.02164	-0.01713	-0.02164	-0.02164
0.17594	0.033	-0.05384	0.17594	0.09215	0.13436	0.17594
-0.0522	0.08674	-0.03927	-0.06718	-0.0717	0.14739	0.14739
0.01395	0.17394	-0.07899	0.05087	0.0389	0.04629	0.05087
-0.26579	0.0585	0.08723	0.19901	0.05061	-0.09325	0.04355
0.1276	0.02179	0.04245	-0.20919	-0.0531	-0.07241	-0.29549
-0.03606	0.01183	-0.15538	0.15293	-0.00302	0.0189	0.0189
-0.13122	0.11987	-0.03641	-0.01306	-0.01039	-0.08272	-0.01306
0.09721	-0.11121	-0.10532	-0.077	-0.05587	0.01556	-0.077
-0.0548	-0.08193	-0.01302	0.06005	0.04518	0.06005	0.06005
0.13198	0.05231	0.0133	-0.13052	-0.03271	0.03201	-0.13052
0.04808	-0.03935	-0.21256	-0.17405	-0.09182	-0.06695	-0.07376
-0.00241	0.08154	-0.04917	-0.04917	-0.03771	-0.04917	-0.06394
0.00518	-0.1186	-0.08465	-0.1186	-0.07644	-0.1186	-0.1186
-0.01565	0.15604	0.23686	0.1153	0.04562	0.1153	0.1153
0.01209	-0.0289	0.05373	0.01209	0.04415	0.05851	0.05851
0.31526	-0.10022	-0.00349	-0.01742	-0.01383	-0.01742	0.0733
0.05533	-0.06581	0.00296	0.05919	0.03279	-0.00701	0.05919
-0.06829	0.16284	0.03016	0.16284	-0.0635	0.16284	0.16284
0.03188	-0.13599	0.11993	0.17167	-0.05199	-0.07062	-0.13275
0.23745	0.06689	0.10332	-0.03237	-0.02538	-0.03352	-0.05967
-0.00738	-0.02656	-0.01787	-0.00738	0.01208	0.0152	0.0152
0.02207	0.00672	0.05665	0.0236	0.01866	0.0236	0.0236
0.06408	0.12482	-0.197	-0.10218	-0.06931	-0.10218	-0.10218
-0.15415	-0.01785	-0.08811	-0.01785	0.0344	-0.10719	-0.01785
-0.00081	0.04223	-0.059	0.01292	0.01028	0.01292	0.01292
-0.0546	-0.02416	0.02612	0.05406	-0.0081	-0.02265	-0.02265
-0.03962	-0.11699	0.04415	0.01532	0.01218	0.01532	0.01532
-0.1068	-0.04159	-0.07101	-0.06844	-0.05063	-0.06844	-0.06844
-0.25736	-0.17665	-0.05981	-0.05981	-0.04502	-0.05981	-0.05981
-0.03672	0.01642	0.00017	-0.03908	-0.0304	-0.03908	-0.15729
0.11119	-0.05274	-0.0422	0.19364	0.02497	0.19364	0.19364
0.03634	0.17629	0.26062	-0.02107	-0.01669	-0.02107	-0.02107
0.00482	-0.00658	-0.13949	0.1046	0.00957	0.16941	0.12926
0.14998	-0.10353	-0.03748	0.16474	0.02763	0.03536	0.11695
0.08943	0.06894	0.07012	-0.00709	0.08067	-0.00709	0.03576
0.07298	0.09952	-0.0124	0.08382	0.05981	0.08382	0.08382
-0.014	-0.13644	0.11165	0.01207	0.09502	0.0389	0.01207
0.04087	-0.0768	0.13977	-0.12673	-0.0795	-0.01439	-0.12673
-0.08981	0.13655	-0.10498	-0.0346	0.04881	0.03009	-0.0346
0.09445	0.09644	0.07776	-0.22316	0.09553	0.13302	-0.22316
0.11604	-0.07817	0.09116	0.10005	0.06829	0.01641	-0.02738
-0.0482	0.21142	0.01109	0.10271	0.06956	0.10271	-0.07702
0.05152	-0.0039	-0.01257	0.03488	0.02727	0.03488	0.03488
0.13729	0.06825	0.0349	-0.12106	-0.0774	-0.12106	-0.12106
-0.07091	0.11326	0.20754	0.03403	0.02664	0.03403	0.00605
-0.06105	-0.03932	-0.17784	0.02691	-0.03178	-0.04094	-0.04094

-0.20084	-0.02012	-0.09231	-0.0707	-0.05204	-0.0707	0.08118
0.04625	0.02787	-0.0072	0.04625	-0.04864	0.04625	-0.12847
0.01604	-0.16008	-0.07806	-0.23548	-0.09815	-0.06869	-0.02029
0.02718	-0.17173	-0.03775	0.02718	0.02143	-0.06593	-0.08853
-0.01634	0.05839	-0.02561	0.09891	-0.02528	0.07343	-0.03224
0.17078	-0.10229	-0.05702	-0.1342	-0.05993	-0.1342	-0.1342
-0.09673	0.0171	0.13598	0.1749	0.09197	0.1749	-0.00761
-0.00777	0.00581	-0.0423	-0.17282	-0.0916	-0.17282	-0.17282
-0.14561	-0.10692	-0.068	-0.068	0.04099	0.05388	0.05246
0.08057	0.13295	-0.13188	-0.14397	-0.00559	-0.14397	0.04053
-0.10878	-0.06716	0.05731	-0.10878	0.08171	0.13319	0.13319
0.0535	-0.03087	-0.10694	-0.02044	-0.02453	-0.08864	-0.03124
0.02807	0.04988	0.05014	0.02807	0.01361	0.02807	0.02807
0.04674	-0.11127	-0.11267	-0.07435	-0.05428	-0.07435	0.09402
-0.01114	-0.0727	0.01944	0.01944	0.01541	0.01944	-0.02167
0.02361	0.04397	0.19698	-0.20692	0.02307	0.03971	-0.20692
-0.05127	-0.03973	0.09482	-0.01128	0.00858	-0.04454	-0.03364
-0.09453	0.08121	0.05109	-0.04281	0.08899	0.15976	0.15976
-0.13236	0.02287	-0.10065	-0.13236	-0.08144	-0.06055	-0.00315
0.12951	0.05629	-0.04743	0.0465	0.06338	-0.01529	0.0465
-0.05422	0.12031	-0.02082	0.08923	0.06278	0.08923	0.08923
-0.12434	-0.08433	-0.11888	-0.11888	0.05333	-0.00014	0.07279
-0.1885	-0.0052	-0.00058	0.00921	0.00733	0.00921	0.00921
0.00663	-0.15261	0.00307	-0.05492	-0.07647	0.14746	-0.11867
-0.03229	0.04062	0.13811	-0.20749	-0.0962	-0.20749	-0.10637
-0.06873	-0.06873	-0.06873	-0.06873	-0.00204	-0.00256	-0.00256
0.06934	0.13075	0.02821	0.15498	0.08788	0.05287	0.06346
0.05676	0.21504	-0.24316	0.02646	0.02087	-0.07378	0.02646
-0.01441	-0.17286	-0.08298	-0.1744	-0.06575	-0.08818	-0.1744
0.29	-0.00679	0.06838	-0.00216	0.04966	-0.00216	-0.06135
-0.07659	-0.057	-0.06086	0.00248	0.07762	0.00248	0.00248
0.00264	0.035	0.02491	0.00264	0.0021	0.00264	0.00264
-0.1308	-0.03576	0.06435	0.00101	0.00081	0.00101	0.00101
0.28265	-0.04139	0.02154	0.02566	0.02025	0.02566	-0.08968
-0.06372	-0.22309	-0.02459	0.01524	0.01211	0.01524	0.01524
-0.04363	0.06308	0.06637	0.06308	0.04718	0.02589	0.06308
-0.10688	-0.00282	-0.11916	0.00282	0.00225	0.00282	0.00282
-0.10908	0.04924	0.08447	-0.10908	-0.07246	-0.00479	-0.10908
0.03433	0.05857	-0.07265	-0.04573	0.03606	-0.04573	-0.04573
-0.08273	0.03642	0.13616	-0.03244	0.08128	0.12465	-0.28953
0.01155	-0.02508	-0.00501	-0.02508	0.09806	-0.03063	0.2733
-0.00421	-0.03559	0.11846	0.00128	0.00102	0.00128	0.00128
0.12222	-0.11859	0.03065	-0.01848	-0.07998	0.04689	-0.01848
0.15744	-0.05333	-0.16399	-0.07522	-0.05481	-0.07522	-0.07522
-0.01675	0.11113	-0.06074	-0.05106	-0.09975	-0.30176	-0.30176
0.07621	-0.02405	0.20426	-0.06267	0.00734	0.00921	0.00921
0.02086	-0.10111	0.04567	0.34713	0.09995	0.34713	0.34713
0.0656	-0.0783	-0.05125	-0.0145	-0.01153	-0.0145	-0.06046
-0.18096	0.16067	0.00528	0.01689	-0.00254	-0.01265	-0.00369
0.09362	0.09246	0.06825	-0.02836	-0.02233	-0.02836	-0.02836
-0.028	0.00513	-0.02996	-0.02511	-0.01983	-0.02511	-0.02511
0.05197	0.17184	-0.05831	-0.05831	-0.02486	-0.05831	-0.04589
-0.09541	-0.13064	-0.00928	-0.00928	-0.0074	0.02006	-0.00928
0.10607	0.18172	0.01999	0.01186	0.00944	0.01186	0.1419
0.03449	0.06427	0.04633	0.03449	0.09215	0.17594	-0.12757

-0.03042	-0.16065	-0.0642	0.14739	0.08595	0.14739	0.14739
-0.15556	-0.01753	-0.07558	0.05087	0.0389	0.05087	0.05087
-0.11299	0.01191	0.03499	-0.18158	0.09534	0.19901	0.19901
-0.08506	-0.1016	0.10739	-0.07241	-0.049	0.09879	-0.07241
0.04145	-0.19054	-0.11224	0.0189	-0.09878	0.02627	0.0189
-0.00057	0.08215	0.23638	0.27244	0.05545	0.0163	0.03679
-0.18441	-0.077	0.05655	-0.077	-0.05587	-0.08241	-0.077
0.15409	0.0429	-0.09251	-0.03108	-0.0244	-0.03108	-0.03108
0.02256	-0.06968	0.07268	-0.01915	0.00659	-0.13214	-0.04158
0.08943	-0.02668	0.09878	-0.05157	-0.0394	-0.05157	-0.05157
0.30797	0.01536	-0.00413	-0.04917	-0.03771	-0.09196	-0.04917
0.07239	0.10397	0.00774	-0.21187	-0.09659	-0.02598	-0.21187
0.00367	0.14662	0.162	0.06769	0.02381	0.07759	0.06769
-0.07238	-0.12546	-0.1727	0.1226	0.07798	0.1226	0.1226
0.05533	0.03813	-0.03774	-0.05631	-0.01383	-0.05872	-0.01742
-0.0163	-0.14251	-0.01353	-0.14251	-0.01374	0.11686	-0.08387
-0.04169	-0.0456	-0.04952	0.00205	0.094	0.0392	0.16284
-0.0586	-0.0065	-0.07062	-0.07062	-0.05199	-0.07062	-0.07875
0.01752	0.03782	0.09509	0.04986	-0.02538	-0.03237	0.02409
0.11051	-0.19894	-0.16453	0.12611	0.07927	0.12611	0.14612
0.07607	0.04265	-0.02157	0.0236	0.01866	0.0236	0.0236
-0.08079	-0.10078	0.16169	-0.10218	-0.06931	0.11645	0.11924
-0.01785	-0.03827	-0.01785	-0.01785	-0.07802	-0.01785	-0.08829
0.04613	-0.13591	-0.08612	0.01292	0.01028	0.06615	0.01292
0.03372	0.17967	0.00862	-0.11572	-0.07528	-0.11572	0.0293
-0.00694	-0.01104	-0.05828	-0.01163	0.01218	0.01532	0.09242
0.1638	-0.08226	-0.0498	-0.06844	0.07136	-0.06844	-0.04272
0.00433	0.06767	-0.08337	-0.07206	-0.04502	-0.05981	0.0718
-0.19649	-0.04779	-0.12904	-0.03908	-0.00675	-0.03908	-0.03908
-0.08988	0.00907	0.20394	0.19364	0.09472	-0.03381	0.19364
-0.14628	0.1082	0.04183	0.03703	-0.01669	0.02994	0.00012
-0.01795	0.16941	0.10446	0.16941	0.09098	0.16941	0.16941
-0.04659	0.13131	-0.02936	-0.09619	0.02763	0.03536	0.03536
0.063	0.01764	-0.00709	-0.00709	-0.00565	-0.00709	-0.06952
-0.05581	0.09992	-0.00688	0.08382	0.05981	0.08382	-0.17335
-0.0379	-0.01793	0.02832	0.01207	0.00961	0.09326	0.01207
0.00045	0.05375	-0.1149	0.01291	-0.0795	-0.12673	-0.02228
0.18478	-0.10568	0.01377	0.07029	0.05179	0.07029	0.07029
0.00991	0.07902	0.06283	-0.22316	-0.09744	-0.22316	-0.22316
-0.07966	0.02608	0.13884	0.10005	0.06829	0.10005	0.10005
0.20753	0.16122	0.00785	0.10271	0.06043	0.10271	0.10271
-0.18101	0.216	0.03544	0.03488	0.02727	-0.05891	0.03488
0.06098	-0.05231	-0.0958	-0.06493	-0.0774	-0.14095	-0.12106
0.03403	-0.06698	-0.01907	0.03403	0.07705	0.03403	-0.13108
-0.15931	-0.03248	-0.0035	-0.1752	-0.03178	-0.04094	-0.04094
-0.09741	0.06493	0.19695	-0.1147	-0.07486	-0.1147	-0.1147
0.02312	-0.00961	-0.12712	0.04625	0.03562	0.04625	0.04625
-0.04728	-0.26392	0.01931	0.00718	-0.09815	-0.04609	-0.04406
0.11539	0.11907	0.10006	-0.09643	0.00928	-0.09643	-0.09643
0.04563	-0.0179	0.03949	-0.04794	0.01074	-0.03224	0.00645
0.03276	0.04617	-0.05807	-0.04109	-0.03188	0.07708	-0.07876
0.1749	-0.06825	0.1749	0.1749	0.09197	0.1749	0.1749
0.13324	0.02461	0.11538	0.0454	0.02438	-0.17282	-0.17282
-0.01844	-0.1112	-0.08302	0.05388	0.08933	0.05388	0.05388
0.08464	-0.13101	0.08077	0.00933	0.00743	0.00933	0.00933

-0.0622	0.09595	-0.14748	0.13319	0.08171	0.13319	0.02408
-0.03606	0.00994	-0.03394	0.05563	-0.07732	-0.03124	-0.02074
-0.00943	-0.09098	-0.18603	0.02807	0.0221	0.1982	0.02807
-0.09725	0.07696	0.05159	-0.07435	-0.05428	-0.07435	-0.03868
0.04772	0.16626	0.0297	0.02202	0.01541	0.01944	0.01944
0.02336	-0.03886	-0.15606	-0.20692	0.00704	-0.20692	-0.20692
0.2474	-0.23218	0.11658	0.02345	0.01854	0.02345	-0.14869
0.14099	-0.07496	-0.12594	0.15976	-0.06319	0.15976	0.00028
-0.02599	0.02296	-0.02327	-0.13236	-0.08144	-0.13236	-0.13236
-0.01151	0.02775	0.07231	0.0465	0.03581	0.0465	0.0465
-0.04646	-0.03352	0.20006	0.08923	0.06278	0.08923	0.08923
-0.25516	0.11467	-0.16693	0.07279	0.05333	0.07279	0.07279
0.12689	-0.11523	0.05819	0.00921	0.00733	0.00921	0.00921
0.0084	0.06409	0.01184	-0.10427	0.07428	-0.03549	-0.18722
-0.10757	0.00768	0.13111	-0.20749	0.06506	0.10758	-0.20749
0.07437	0.15676	0.08634	-0.082	-0.00204	-0.00256	-0.00256
0.08562	0.15498	0.21419	0.15498	0.08788	0.15498	0.15498
-0.14985	-0.05962	-0.09257	0.02646	0.02087	0.02646	0.02646
-0.0831	-0.00992	-0.07926	-0.1744	-0.09188	-0.1744	-0.1744
-0.01775	-0.00216	-0.04908	-0.00216	-0.00172	-0.00216	0.09669
0.06071	-0.13062	0.02171	0.03779	0.02945	0.03779	0.03779
0.02928	-0.09814	-0.03557	0.00264	0.0021	0.00264	0.00264
-0.05593	0.09673	-0.01227	0.00101	-0.05048	0.00101	0.00101
-0.30066	0.04014	-0.03198	0.02566	-0.06511	-0.06977	0.02566
0.02215	0.01208	0.10962	0.01524	-0.07651	0.01524	0.01524
0.0124	0.03047	-0.1036	-0.10048	-0.01323	-0.20863	0.14258
-0.00118	-0.11924	0.01275	0.00282	0.00225	0.06194	0.02899
-0.15484	-0.03642	0.00945	0.0256	-0.07246	-0.10908	-0.0212
0.10649	0.18644	0.04435	0.10613	0.06918	0.02174	0.1019
0.09865	-0.05176	0.02962	-0.06718	0.07874	0.12465	0.12465
0.04464	-0.01259	-0.05714	-0.05714	0.07783	-0.02295	-0.05714
0.06797	-0.05291	-0.1071	0.07658	-0.0941	-0.04209	0.00128
-0.01848	-0.09732	-0.007	-0.01848	-0.01466	-0.01848	-0.00269
-0.0161	0.07023	-0.05571	-0.07522	-0.0862	-0.07522	0.05135
-0.07221	0.14896	-0.05077	-0.30176	-0.0329	-0.30176	-0.30176
-0.10113	-0.00987	0.08655	0.00921	0.00734	0.00921	0.21095
0.16985	0.01432	0.13016	0.34713	0.01695	0.34713	0.34713
-0.12326	0.11335	-0.22678	-0.0145	-0.01153	-0.0145	-0.0145
-0.0456	0.08566	-0.07754	0.00622	-0.03279	0.11566	-0.04233
-0.03695	-0.07729	-0.02715	-0.02715	-0.02233	0.04164	-0.02836
0.03104	-0.02511	-0.02084	-0.02511	-0.01983	0.00356	-0.02511
0.15977	-0.20535	-0.05831	-0.05831	-0.04402	-0.05831	-0.05831
-0.00928	0.05376	0.06739	-0.00928	0.06853	-0.00928	-0.00928
-0.15817	-0.08435	-0.25062	0.01186	0.00944	0.01186	0.01186
0.12779	0.00432	-0.07042	0.17594	-0.0773	0.17594	0.17594
0.06417	-0.02866	-0.05022	0.14739	0.08595	0.14739	0.14739
0.13389	-0.05895	0.21093	0.05087	0.0389	-0.15387	-0.10185
-0.04982	-0.13468	0.0579	0.19901	0.09534	0.19901	0.10495
0.04759	0.07221	-0.10846	-0.07241	0.01768	0.04231	-0.07241
-0.07583	0.07502	-0.1604	0.07502	0.05468	0.07502	0.07502
-0.01306	-0.11694	-0.02663	-0.01306	-0.01039	0.15832	0.06057
0.02575	0.04411	0.10247	0.02807	0.09206	-0.1278	0.20576
-0.0848	-0.03108	0.14445	-0.03108	-0.0244	-0.03108	-0.03108
0.00838	-0.00901	0.04261	-0.13052	-0.04996	-0.13052	-0.13052
-0.01073	0.03296	0.01162	-0.14258	-0.0394	-0.05157	-0.05157

-0.04917	-0.07939	-0.08928	-0.04917	0.0258	-0.01402	-0.04917
-0.18987	-0.05083	-0.00121	-0.21187	-0.09043	-0.21187	-0.00237
-0.03813	-0.231	-0.06546	0.06769	0.05015	-0.02832	-0.06592
0.0174	0.17633	0.11463	0.1226	0.07798	-0.07154	0.1226
-0.1086	0.10699	-0.01742	-0.01742	-0.01383	-0.01742	-0.01742
-0.01296	0.05688	-0.01563	-0.01866	-0.05984	-0.08387	-0.08387
-0.0532	0.09067	0.08224	-0.08865	0.08966	0.16284	0.16284
0.10151	0.15004	0.01639	0.00736	0.08555	-0.03901	0.14592
-0.0812	-0.17622	-0.11093	0.02867	-0.01121	0.18544	0.04576
0.04144	-0.07642	0.01352	0.12611	0.01949	0.01704	0.12611
-0.1949	0.10296	0.06096	0.05575	-0.00721	0.04943	-0.00905
-0.11176	0.06362	-0.04042	-0.10218	-0.06931	-0.10218	-0.10218
0.08072	0.11959	-0.08471	0.04528	-0.00115	-0.01785	-0.01785
0.14368	-0.13849	0.01292	0.01292	-0.03762	0.01292	0.01292
-0.085	-0.02079	-0.06993	-0.11572	-0.06763	-0.06558	-0.11572
0.21914	0.07063	-0.01641	0.01532	0.00689	0.01532	0.01532
0.03776	-0.08423	0.16234	-0.06844	-0.05063	-0.06844	-0.11094
0.06686	0.13149	0.19593	-0.05981	-0.04502	-0.05981	-0.05981
0.02213	-0.03547	-0.15325	0.16284	-0.0304	-0.00171	-0.03908
0.1052	-0.12159	0.01906	0.01906	0.09472	0.19364	0.19364
-0.03767	-0.05057	0.03403	0.08162	0.06705	0.1012	0.08162
0.00963	0.17058	0.16941	0.16941	0.09098	-0.07578	0.16941
-0.00911	0.02555	0.06989	0.03536	-0.08673	-0.04009	0.03536
0.10174	-0.01061	-0.19828	-0.00709	-0.00565	-0.00709	-0.00709
-0.06285	0.01412	0.08729	-0.04827	-0.03707	-0.04827	-0.19267
-0.01828	0.20687	0.20687	0.20687	0.00961	0.01207	-0.01663
-0.04869	0.04724	0.12791	-0.12673	-0.0795	-0.12673	-0.12673
-0.14308	-0.05473	-0.03572	0.07029	0.05179	0.07029	0.07029
0.10623	0.0188	-0.10061	-0.22316	-0.01146	-0.00128	-0.04368
0.10005	-0.1526	-0.08312	0.10005	-0.03252	0.10005	0.10005
0.09142	-0.03851	0.02861	0.10271	-0.0563	0.10271	0.21653
-0.20877	0.07501	0.05117	0.03488	-0.07816	0.03488	-0.0529
-0.07471	-0.02487	-0.11928	0.18894	-0.0774	0.11358	-0.12106
0.14115	0.1073	0.12401	0.12401	0.04328	0.14703	0.14703
-0.11744	0.09477	0.10809	-0.04094	-0.03178	0.01685	-0.04094
-0.1147	-0.05603	-0.01335	-0.1147	0.00905	0.02622	-0.1147
0.04319	0.04469	0.16118	-0.0286	0.03562	0.04625	0.04625
0.00775	-0.10335	0.05625	0.06868	0.05078	0.06868	0.02197
-0.06479	0.15335	0.02188	0.02188	-0.06651	-0.09643	0.11406
0.02435	-0.11606	-0.16614	-0.03224	-0.02528	-0.03224	-0.0357
0.0589	0.16495	-0.06683	0.0589	-0.03188	-0.04109	-0.27241
0.1749	0.06391	0.00222	0.1749	0.09197	0.1749	0.1749
-0.14462	-0.07141	-0.13749	-0.22419	-0.02186	-0.17282	-0.07695
0.0292	0.00452	0.01899	0.05388	0.04099	0.05388	0.05388
-0.04276	-0.19196	-0.01123	0.00137	0.00743	0.00933	0.00933
0.07209	0.13319	0.10054	0.13319	0.08171	0.13319	0.13319
-0.09371	-0.00817	0.07458	-0.03124	-0.02453	-0.03124	0.00466
-0.02486	-0.04538	-0.04441	-0.04601	0.0221	0.02807	0.02807
-0.02547	-0.082	-0.00584	0.03867	-0.05428	-0.07435	-0.09868
0.09515	-0.13673	0.02474	0.01944	0.04667	0.06678	0.11617
0.14102	-0.20692	-0.08221	-0.20692	-0.09615	-0.20692	-0.20692
-0.20555	0.04257	0.0066	0.02345	0.01854	-0.14203	0.02345
-0.05562	0.02389	-0.10173	0.15976	0.08899	0.08484	0.15976
-0.13169	0.11003	-0.06485	-0.13236	-0.08144	-0.13236	-0.13236
0.0465	0.05671	0.06131	0.0465	0.03581	0.0465	0.0465

0.07205	0.14294	-0.03263	0.08923	0.07888	0.08923	0.08923
0.35707	-0.04296	-0.02364	0.07279	0.05333	0.07279	0.07279
0.12057	-0.03122	-0.12294	0.00921	0.09812	-0.06277	0.00921
-0.03699	-0.0887	-0.15621	-0.03699	-0.02885	0.06965	-0.03699
-0.11409	0.09179	0.02907	-0.0674	-0.0962	-0.20749	-0.20749
-0.08087	-0.18003	-0.00256	-0.00256	-0.00204	0.01371	0.04844
-0.13842	-0.12736	-0.13842	0.15498	0.08788	0.15498	0.15498
-0.09024	0.0322	-0.03877	0.07953	-0.02707	0.07953	0.07953
0.00619	0.22597	0.11678	-0.1744	-0.00209	-0.1744	-0.1744
0.02536	0.06975	0.09454	-0.00216	-0.00172	-0.00216	-0.00216
-0.00063	-0.05859	0.07473	0.03779	0.02945	0.03779	0.0797
0.05022	-0.00439	-0.23618	0.00264	-0.03182	-0.03679	0.00264
0.02508	0.00507	0.21396	0.2358	0.01128	-0.1813	0.01418
0.08415	0.11719	0.0209	0.02566	0.02025	0.00292	-0.13246
0.00166	0.01137	-0.04747	0.01524	0.01211	0.01524	0.01524
0.10658	-0.01666	-0.12601	-0.01666	-0.01323	-0.01666	-0.01666
0.04805	-0.04674	0.05655	0.00282	0.04129	0.00282	0.02382
-0.07964	-0.07131	-0.05475	-0.10908	-0.07246	-0.10908	0.04343
-0.18279	-0.06392	-0.27885	0.1019	0.06918	0.1019	0.1019
-0.02677	-0.15691	-0.02233	0.1213	0.07874	0.12465	0.12465
-0.01912	-0.02782	0.12486	-0.02056	-0.04323	-0.05714	-0.05714
0.09883	-0.25886	0.00897	0.00128	0.00102	0.00128	0.00128
0.05623	0.15372	-0.02826	-0.01096	-0.00873	-0.01096	-0.01096
-0.16286	-0.01366	0.05108	-0.07522	-0.05481	0.0553	0.10723
-0.30176	0.0604	-0.30176	-0.30176	-0.09975	-0.10415	-0.30176
0.00921	-0.09243	0.08715	0.00921	0.00734	0.00921	0.00921
-0.00589	0.02944	0.18688	-0.17166	-0.0914	-0.05811	-0.11554
0.03105	-0.10749	0.15517	0.01785	-0.05001	-0.0145	-0.0145
0.13714	0.04759	-0.08953	-0.04233	-0.03279	-0.04233	-0.07758
0.21647	0.06895	-0.06227	-0.02836	-0.02233	-0.04886	-0.17749
0.02078	0.1737	-0.06997	-0.02511	0.0602	-0.02511	-0.02511
-0.05073	-0.00599	-0.00916	-0.05831	-0.04402	-0.05831	0.15488
-0.10147	0.0979	-0.13092	-0.00928	-0.0074	-0.00928	-0.00928
-0.10065	-0.06919	0.01407	0.01186	0.00944	0.06934	0.01186
-0.15918	0.0151	-0.15528	0.1111	0.07334	0.1111	0.1111
-0.02936	-0.03123	-0.09322	0.05038	0.08595	0.14739	0.10435
0.03564	0.16038	0.14188	0.05087	0.02753	0.20031	0.05087
0.08914	-0.12927	0.19901	0.19901	-0.02474	0.19901	0.19901
0.06862	0.11525	-0.0576	-0.07241	-0.0531	-0.07241	-0.07241
-0.02242	-0.0871	-0.02271	0.07502	0.09483	0.03889	0.07502
-0.00229	-0.02335	-0.04444	-0.20207	-0.01039	-0.15461	-0.01306
-0.2011	0.20752	0.18324	0.20576	0.07842	-0.02361	0.20576
-0.05558	-0.04183	0.0389	0.01354	0.01822	-0.03108	-0.03108
0.15508	0.12784	-0.01784	-0.0199	-0.01578	-0.0199	-0.0199
0.11865	0.03291	0.0715	-0.04334	-0.07441	0.03168	-0.02176
0.00159	-0.16624	0.03426	-0.04917	-0.03771	-0.05643	-0.04917
0.0328	0.0472	0.11368	0.0328	0.02571	-0.00091	-0.12756
0.03884	-0.06136	0.09383	0.06769	0.05015	0.00937	0.01935
0.16874	0.1226	-0.25011	0.1226	0.07798	0.1226	0.1226
-0.01742	0.00049	0.00749	-0.01742	-0.01383	-0.06794	-0.01742
0.02316	0.06076	0.05988	-0.08958	0.08791	-0.03973	-0.08387
-0.11882	0.16284	-0.00809	0.16284	-0.09122	0.16284	0.16284
0.06043	0.06844	-0.10802	0.07161	0.08555	-0.10814	0.05483
-0.01251	0.06609	0.11034	0.11333	0.07429	0.11333	0.11333
-0.12006	0.06769	-0.09193	0.12566	0.07927	0.12611	0.12611

-0.16127	-0.08042	0.011	-0.00905	-0.00721	-0.00905	-0.00905
-0.10218	0.02137	-0.13813	-0.10218	-0.06931	-0.10218	-0.10218
0.04243	-0.0072	0.10253	-0.01785	0.07817	-0.01785	-0.01785
0.03556	-0.13487	0.02276	-0.191	0.01028	0.01292	0.09833
-0.23461	0.10261	0.0476	-0.11572	-0.07528	-0.11572	-0.11572
0.16918	-0.01761	-0.01547	0.13329	0.06222	0.02457	-0.12107
0.1232	-0.06051	-0.02957	-0.11512	-0.05063	-0.06844	0.0535
-0.08044	0.17106	0.18695	-0.02818	-0.02219	0.0428	-0.02818
-0.04658	-0.12659	-0.07802	-0.05677	-0.0304	-0.03908	0.0725
-0.02761	-0.09481	-0.04823	-0.10249	-0.06946	-0.10249	-0.10249
0.01412	-0.17305	-0.24464	0.08162	0.05856	0.10092	-0.0784
-0.01525	-0.03667	0.0058	0.09028	0.06333	0.12122	0.09028
0.07334	0.02915	0.02864	0.03536	0.04549	0.03536	-0.00076
-0.08908	0.04097	-0.05299	-0.00709	-0.00565	-0.00709	0.01208
0.00011	0.1502	0.05657	-0.04864	-0.03707	-0.1004	0.03668
0.14911	0.00291	-0.02452	0.01207	0.00961	0.01207	0.01207
0.06635	0.11918	0.1512	-0.03085	-0.08128	-0.12673	-0.12673
-0.05871	-0.04735	-0.00203	0.07029	-0.03173	0.07029	0.07029
-0.14093	0.07817	0.13421	-0.22316	-0.09744	-0.22316	-0.22316
0.06597	0.00439	-0.14486	0.10005	0.03417	0.10005	-0.09863
0.07233	-0.05135	0.11478	0.10271	-0.05693	0.10271	0.04498
-0.09129	-0.01233	-0.00411	0.03488	0.02727	-0.04451	0.006
-0.16671	0.09288	0.0105	-0.12898	-0.08029	-0.12898	-0.12898
-0.00971	-0.01971	-0.05452	-0.13733	0.09714	0.07329	0.2189
-0.10533	-0.07043	-0.20449	-0.07174	-0.03178	-0.13187	-0.04094
-0.08229	-0.1323	-0.11087	-0.1147	0.06643	-0.1147	-0.14645
0.00452	0.1373	0.10109	0.04625	0.03562	0.04625	0.04625
-0.02403	0.05595	0.18443	0.06868	0.05078	0.06868	0.06868
0.09989	0.05228	0.02892	-0.09643	-0.06651	-0.00885	-0.09643
0.13251	-0.22738	0.0741	-0.03224	0.08792	-0.03224	-0.03224
0.17431	-0.28131	0.05801	-0.28131	-0.06323	-0.10092	-0.10092
-0.04331	-0.09152	0.07933	0.1749	0.07492	0.1749	0.1749
0.04344	-0.05607	-0.0689	-0.17282	-0.0916	-0.17282	-0.17282
0.02878	-0.03648	0.03947	0.05388	0.04099	0.05388	-0.02105
-0.05908	-0.11828	0.0643	0.0643	0.04798	-0.01674	-0.00168
-0.03338	0.01603	-0.02546	0.13319	0.08171	0.13319	0.13319
0.11827	0.03696	0.02459	-0.03124	-0.02453	-0.03124	-0.03124
0.02136	0.17986	-0.04558	0.02807	0.0221	0.02807	0.02807
-0.01395	0.06933	-0.13325	-0.07435	0.09119	-0.07435	0.01459
0.1553	-0.06426	0.15819	0.01944	0.01541	0.01944	-0.26775
-0.00679	0.05183	0.12131	-0.20692	-0.02506	-0.20692	-0.20692
0.02489	-0.07189	0.03507	-0.06464	-0.0482	0.16535	-0.06464
0.23669	-0.0476	-0.10254	0.15976	-0.07464	0.04897	0.13108
0.07417	0.08984	-0.16527	-0.13236	-0.08144	-0.01419	-0.13236
-0.04423	-0.1156	-0.05387	0.0465	-0.06711	-0.04437	0.0465
-0.16459	0.08923	0.01655	0.08923	0.06278	-0.06423	0.02868
-0.08761	0.0998	0.00604	0.07279	0.05333	0.07279	0.07279
0.04109	0.16822	-0.04404	0.04109	0.03188	0.04109	0.04109
-0.10825	0.05135	-0.02661	-0.03699	0.02263	-0.03699	-0.03699
0.04901	-0.02495	0.17069	0.01737	-0.0228	-0.08493	-0.02897
0.03456	-0.00256	0.04963	-0.00256	-0.00204	-0.00256	-0.00256
-0.05246	0.00087	-0.10656	0.05786	-0.07426	-0.11324	-0.11324
-0.03718	0.07953	0.09098	0.07953	0.05736	0.07953	0.07953
0.10732	-0.1744	-0.07323	-0.1744	-0.09188	-0.1744	-0.1744
-0.07129	0.06491	0.06619	-0.1018	-0.06913	-0.1018	-0.1018

0.06278	-0.09612	-0.0091	0.03779	0.02945	0.03779	0.03779
0.06987	-0.03422	0.07517	0.06987	0.06576	0.00264	0.00264
0.01057	0.02217	-0.01936	0.01418	0.01128	0.13441	0.01418
-0.12162	-0.08128	0.1218	0.02566	0.09779	0.02566	0.02566
-0.00668	-0.11839	-0.03146	-0.03146	-0.0247	-0.03146	-0.11644
0.01203	0.24746	0.15069	0.05556	-0.09017	-0.01666	-0.01666
-0.05452	0.00282	-0.03564	0.00282	0.00225	0.00282	0.00282
-0.15613	0.04882	-0.16568	-0.10908	-0.07246	-0.10908	-0.10908
0.10757	0.00019	0.0408	0.1019	0.06918	0.1019	0.1019
0.08739	0.12465	-0.12094	0.12465	0.07874	0.12465	0.05091
0.05093	0.02961	0.03461	-0.05714	-0.04323	-0.05714	0.10065
-0.02834	-0.02395	-0.04718	0.10178	0.00102	0.00128	0.00128
-0.06924	-0.05027	-0.14436	0.05269	0.04018	0.05269	-0.07277
-0.08912	0.06394	0.09423	-0.06035	0.04408	-0.06035	-0.06035
0.01023	0.02218	-0.01167	0.01023	0.05927	0.06793	0.08287
0.02095	-0.03752	-0.05878	0.00921	0.07675	-0.16495	-0.03005
-0.01394	-0.1011	0.08281	-0.17166	-0.0914	-0.09415	-0.17166
0.07722	-0.06281	0.24534	-0.05813	-0.01153	-0.0145	-0.02072
-0.04527	-0.17664	-0.09919	0.03147	0.06349	0.09057	-0.16399
0.02587	0.15297	0.00213	-0.02836	-0.02233	-0.02836	-0.02836
0.14704	0.07576	0.16914	0.07576	0.001	-0.02511	-0.01189
0.06686	0.10618	-0.02243	-0.05831	-0.04402	-0.05831	0.13844
-0.17804	0.078	0.06383	-0.00928	-0.0074	0.02314	-0.00928
-0.1816	-0.01032	-0.14975	-0.00082	-0.00066	-0.00082	-0.1443
-0.00646	-0.08325	-0.10296	0.1111	0.07334	0.1111	-0.04124
-0.08455	-0.15226	0.03549	-0.07357	0.02965	0.0335	0.01593
0.17388	0.02808	0.04915	0.02808	0.08764	0.05192	0.15398
0.06591	0.11058	0.19901	0.19901	-0.03481	-0.04406	0.19901
0.01112	0.04412	-0.07241	-0.07241	-0.0531	-0.07241	-0.07241
-0.06571	0.06076	-0.06609	0.07502	-0.01444	0.07502	0.07502
-0.02829	0.01621	0.11751	-0.01306	-0.01039	-0.01306	-0.01306
-0.07112	-0.04458	0.07941	0.20576	-0.07489	0.20576	0.13844
-0.01955	-0.21343	0.16689	-0.03108	0.06815	-0.03108	0.09005
-0.13296	0.1871	-0.06728	-0.0314	0.06072	0.08545	0.08545
0.11605	-0.09569	-0.00281	0.11605	0.07542	0.11605	0.11605
0.08595	0.11858	-0.01376	0.11858	0.05583	0.07693	0.07693
0.15908	-0.06194	-0.12701	0.0807	0.02571	0.0328	0.0328
0.06769	0.00566	0.08623	0.06769	-0.04176	0.06695	-0.09789
0.0431	0.07201	-0.16768	0.0431	0.07798	-0.16723	0.1226
0.03026	-0.11729	0.01332	-0.01894	-0.01502	-0.01894	-0.0591
-0.03931	-0.01947	-0.04319	-0.08387	-0.05984	-0.02778	-0.08387
0.01343	0.03209	0.00678	-0.02995	0.04471	0.1581	-0.02995
0.11765	-0.00646	-0.07839	0.01129	0.08555	0.14592	0.14592
-0.04305	-0.05661	0.1552	0.1552	0.04096	0.11333	0.11333
0.00164	0.00073	-1.7E-05	0.12611	0.01843	0.12611	0.12611
0.32017	0.09551	-0.06169	-0.04718	-0.03629	-0.04718	-0.04718
0.03455	0.05213	0.09749	0.10797	0.07197	0.10797	0.10797
0.0591	-0.10253	0.02041	0.04702	0.06627	-0.04275	-0.00337
0.10529	-0.03181	0.13542	0.01292	0.01028	0.01292	0.10695
-0.06351	-0.11572	0.03679	-0.11572	-0.07528	0.12488	-0.11572
0.07022	-0.01908	0.02457	0.02457	0.01941	0.02457	0.02457
-0.02953	-0.06931	-0.037	-0.02953	0.06196	0.08771	0.08771
-0.02018	0.07173	0.06307	-0.06105	-0.02219	-0.02818	-0.02818
0.04735	0.02038	0.04959	-0.03908	-0.0304	-0.02803	-0.03908
-0.17672	0.05891	0.00518	-0.10249	-0.06946	-0.10249	-0.10249



-0.07441	0.13304	0.11929	0.12165	0.01788	0.0226	0.0226
-0.00829	0.17159	-0.05068	-0.19697	0.06333	0.00639	0.09028
-0.08725	-0.00078	-0.16405	-0.00369	0.02518	-0.00369	-0.00369
-0.15076	-0.11739	-0.10066	-0.00709	-0.00565	-0.0114	-0.00709
-0.12425	-0.04827	0.19494	-0.04827	-0.03707	-0.04827	-0.02919
0.01762	-0.22173	-0.24781	-0.0162	-0.04974	0.01207	0.01207
0.09154	-0.15059	0.07999	-0.12673	-0.0795	-0.07116	-0.12673
-0.03408	-0.04925	-0.12648	-0.14638	-0.08568	0.06901	0.09895
-0.02323	-0.13507	-0.10253	0.08078	-0.09744	-0.22316	0.01876
-0.04726	0.00299	0.04242	-0.02282	0.06829	-0.04618	0.10005
-0.08657	-0.11073	-0.05393	-0.10491	0.07264	-0.10491	-0.10491
0.0254	0.03549	-0.07219	0.03488	0.05565	0.23491	0.03488
0.00392	-0.02751	-0.02129	-0.02129	-0.01686	-0.02129	-0.08229
0.05266	-0.08762	-0.01246	-0.05481	0.09714	0.06263	0.15344
-0.15225	0.2403	-0.16805	0.0278	-0.04462	-0.04094	-0.04094
0.09128	0.04879	-0.03157	-0.1147	-0.07486	-0.1147	0.03602
0.07333	-0.07659	0.16912	0.05301	0.06518	0.04625	0.04625
0.01394	0.06328	-0.04613	0.01394	0.05078	0.00162	0.06868
0.10942	0.08114	0.00152	0.10996	-0.06651	-0.09643	-0.09643
0.01546	0.01012	0.09419	0.04999	-0.03074	-0.03224	-0.06096
-0.1998	-0.00662	-0.02378	-0.10092	-0.06871	-0.01107	-0.10092
-0.06558	-0.04109	-0.13102	0.1749	0.09197	0.1749	0.1749
-0.08258	0.1263	0.02352	-0.093	-0.0916	-0.17282	-0.00684
0.18775	-0.23363	0.06458	0.05388	-0.08223	0.05388	-0.01297
0.15704	-0.0593	0.14812	0.18876	-0.02984	0.18876	0.01232
0.04718	0.01841	0.03464	0.13319	0.08171	0.13319	0.04532
-0.03798	0.13623	-0.10941	-0.03124	-0.02453	-0.03124	-0.03124
-0.00528	0.02807	0.08039	0.02807	0.03279	0.02807	0.12382
0.04095	-0.06215	0.10774	-0.07435	-0.05428	-0.07435	-0.07435
0.05746	-0.0381	-0.03702	-0.16325	0.01541	0.01005	0.01944
0.12587	0.01188	-0.15931	-0.20692	-0.09615	-0.27512	0.02582
-0.04711	-0.19503	-0.06352	-0.06464	-0.0482	-0.06464	-0.06464
-0.053	0.11056	0.00542	0.13039	0.08899	-0.03392	0.15976
-0.01868	-0.04151	0.15387	-0.13236	-0.08144	-0.13236	-0.13236
0.0788	0.16558	-0.01484	0.0465	-0.05178	0.0465	0.0465
-0.07079	-0.1365	-0.07843	0.08923	0.06278	0.08923	-0.04213
-0.15216	0.07279	-0.04073	0.07279	-0.06028	0.07279	0.07279
-0.03207	-0.0179	0.04109	0.04109	0.03188	0.04109	0.04109
-0.17298	0.04237	0.05151	-0.32811	-0.02885	-0.03699	-0.03699
-0.09427	-0.09184	0.07362	-0.02897	-0.09043	-0.02897	-0.02897
0.14963	0.01314	0.21107	-0.00256	-0.00204	-0.00256	-0.00256
0.09679	0.00128	-0.10159	0.00128	-0.07426	0.02073	-0.11324
0.0261	-0.0119	0.02125	0.07953	0.05736	0.07953	0.12886
0.00518	0.14066	-0.10897	0.12463	0.09026	-0.13703	0.0959
0.02187	-0.07183	-0.26381	-0.1018	-0.07396	-0.1018	-0.09991
-0.11835	0.09133	-0.0042	0.09354	0.06504	0.09354	0.09354
0.16556	0.02887	-0.1054	0.00264	0.0021	0.00264	0.00264
-0.00687	0.06063	0.05463	-0.03432	0.01128	-0.07219	-0.02885
-0.08716	0.01935	0.1315	-0.08185	-0.0587	-0.08185	-0.08185
0.13937	0.09053	0.31441	-0.1201	-0.0247	-0.03146	-0.03779
-0.0017	0.24259	0.09281	-0.01666	-0.03907	-0.01666	-0.01725
0.29457	0.05362	0.06606	-0.11536	-0.07513	-0.11536	-0.11536
0.04848	-0.08401	0.10698	-0.0399	-0.07246	-0.10908	-0.10908
-0.03057	0.1019	-0.06109	0.1019	0.06918	0.1019	-0.0429
0.07094	-0.11517	-0.01297	0.12465	0.07874	0.12465	-0.05856

-0.12946	-0.10285	-0.00171	-0.09819	-0.06738	0.02219	0.05976
0.10977	-0.01368	-0.16521	0.00128	0.00102	0.00128	0.00128
0.05888	0.02961	-0.0989	0.05269	0.04018	0.05269	0.05269
0.00368	-0.20286	-0.04854	-0.19761	-0.04538	-0.0316	-0.06035
-0.07962	-0.04116	0.01811	0.03608	0.06252	0.03608	0.03608
-0.19933	0.00027	0.02767	0.00921	-0.04061	0.00921	0.00921
0.01923	-0.15275	0.00154	-0.17166	0.09613	-0.26539	-0.08945
-0.12022	-0.02996	-0.02825	0.09903	-0.01153	-0.0145	-0.0145
-0.02386	-0.07171	0.06981	-0.00502	0.06349	0.09057	0.09057
0.02801	0.13326	-0.07884	0.21073	-0.02233	-0.02836	-0.11128
-0.04957	-0.06082	0.00799	0.00799	0.00636	-0.01956	0.00799
-0.05831	-0.05831	-0.12091	-0.05831	-0.04402	-0.05831	-0.05831
0.09595	-0.16003	-0.13009	-0.00928	-0.0074	-0.00928	-0.15295
0.00101	-0.04205	0.05654	-0.00082	0.06227	-0.00082	0.11387
0.1766	0.04157	0.13112	0.04157	0.03224	0.04157	-0.0806
0.04595	0.00979	-0.01342	0.00905	0.00721	0.00905	0.00905
0.08247	-0.23801	-0.0031	-0.17576	0.0119	0.15398	-0.1294
-0.1271	0.04784	0.19901	0.19901	0.09534	0.19901	0.19901
-0.03452	-0.0205	-0.07554	-0.07241	0.02575	-0.10576	-0.07241
0.07502	-0.02967	0.04593	0.07502	-0.00434	0.07502	0.07502
0.06515	0.1036	-0.05415	-0.01306	-0.01039	0.13242	-0.01306
-0.18074	0.07094	0.20576	0.20576	0.09604	0.20576	0.1932
-0.05284	0.03762	-0.13547	-0.03108	-0.01987	0.11241	-0.01784
0.01989	-0.12575	0.17798	0.08545	0.06072	0.08545	0.08545
-0.02133	-0.00724	-0.20447	-0.09323	0.07542	0.11605	0.11605
0.10834	0.05546	0.11623	0.07693	0.05583	0.07693	0.08683
0.0328	-0.07002	0.08255	0.0328	0.02571	-0.00117	0.0328
-0.04572	-0.06409	-0.10402	0.06769	0.05015	-0.02987	0.06769
-0.13404	0.01829	-0.03868	0.1226	0.07798	-0.13165	-0.03114
0.03763	0.13445	0.10254	0.10424	-0.01502	-0.01894	-0.01894
0.0895	0.12174	0.03523	-0.08387	-0.05984	-0.08387	-0.08387
0.02828	0.02828	-0.08935	0.02828	-0.06975	-0.02995	-0.02995
0.12984	-0.09846	0.00715	0.14592	-0.07491	0.14592	0.14592
-0.0731	0.05634	-0.04168	0.11333	-0.03702	-0.29675	-0.10274
-0.16459	0.16374	0.11125	0.01039	-0.04953	0.12611	0.03537
0.13395	0.17292	0.06304	0.17292	0.09105	-0.04718	0.00748
0.03013	-0.04851	-0.07434	0.10797	0.03384	0.16935	-0.1387
-0.05635	-0.21841	0.01064	0.01064	0.00847	0.01064	-0.12458
0.05582	-0.06206	0.0212	0.11833	0.01028	0.09624	0.01292
-0.04354	0.10876	-0.01656	-0.11508	0.06955	0.03392	0.21782
-0.09394	-0.0211	-0.05441	0.02457	-0.06831	0.02457	0.02457
0.0876	-0.08176	-0.02991	0.08771	-0.01482	0.08771	0.08771
-0.12333	-0.03331	0.0906	0.04542	0.01956	-0.02818	-0.02818
-0.00609	0.00148	-0.08928	0.05535	-0.0304	-0.03908	-0.03908
0.00065	-0.14709	0.02572	0.09562	-0.06946	-0.10249	0.0215
0.0226	0.04578	0.07293	0.0226	0.02406	0.0226	0.0226
-0.02052	-0.10012	0.00216	-0.04447	0.06333	0.09028	0.09028
0.04024	0.03811	0.04507	-0.16522	0.04522	-0.00369	0.06997
-0.1332	-0.00709	-0.00709	-0.00709	-0.00565	-0.06793	-0.00709
0.07147	-0.0082	0.17549	-0.05278	-0.03707	0.16198	-0.04827
0.23898	0.09766	-0.00303	0.01207	0.05413	0.03845	0.11154
0.11125	-0.11869	-0.13949	0.03543	-0.0795	-0.12673	-0.12673
-0.14638	0.01369	-0.14638	-0.14638	-0.09109	-0.14638	0.09936
0.07612	-0.12495	-0.09201	0.14652	-0.04089	-0.05373	-0.11375
-0.21119	-0.08446	-0.05681	-0.04821	-0.03702	-0.04821	-0.04821

-0.08692	-0.19896	-0.0613	-0.10491	-0.07059	-0.10491	-0.10491
-0.05487	-0.15306	0.03488	0.03488	0.02727	0.03488	-0.13851
0.02188	0.09414	-0.28711	-0.02129	-0.01686	-0.02129	-0.1021
0.04833	-0.07228	0.08397	0.2189	0.09714	0.2189	0.03921
0.14382	0.01521	-0.03333	-0.04094	-0.03178	0.06261	-0.04094
-0.12583	-0.06588	-0.04825	-0.06588	0.09125	0.1709	0.1709
0.17415	0.0039	-0.01397	0.04625	0.03562	0.04625	0.04625
0.02809	-0.0368	0.10677	0.04973	0.05078	0.09602	0.06868
0.06419	0.12343	0.01588	0.12343	-0.06651	-0.09643	0.03217
-0.04425	-0.05178	0.03123	0.05785	-0.02528	-0.03224	-0.03224
-0.06884	-0.00342	0.06446	0.00847	-0.05178	0.00847	0.00847
0.01032	-0.05302	-0.12026	-0.03231	0.02543	0.03243	-0.00885
0.11321	0.05102	0.09965	-0.00359	-0.0916	-0.17282	-0.17282
0.08797	0.07134	0.00159	0.05388	0.04099	0.05388	0.05388
-0.02301	0.18876	-0.00985	0.18876	0.00301	0.18876	0.18876
-0.15035	0.12636	0.04522	0.07368	0.05388	0.07368	-0.04088
-0.03124	0.172	-0.03124	-0.03124	-0.02453	-0.09854	-0.19076
-0.00826	0.06705	-0.06764	-0.08002	0.06608	-0.08002	0.01244
0.0093	0.13663	-0.07435	-0.07435	-0.05428	-0.07435	-0.08445
0.07064	-0.1253	-0.01677	0.01944	0.01541	-0.02272	0.01944
-0.24507	-0.00993	-0.00596	-0.20692	-0.09615	-0.20692	0.05117
-0.08858	-0.06864	-0.04723	0.05131	0.00221	-0.06464	-0.20277
-0.06605	0.15976	0.0582	0.15976	0.08899	0.15976	0.15976
0.05138	-0.13628	-0.10878	-0.13236	-0.08144	-0.13236	-0.13236
-0.04166	0.02478	-0.15271	0.18938	0.09418	0.10146	-0.00575
0.23428	-0.17892	0.16753	0.08923	0.06278	0.08923	-0.10571
0.03104	-0.05882	0.06749	0.07279	0.03587	-0.09381	0.03327
-0.0359	0.04721	0.09888	0.04109	-0.09216	0.02337	0.04109
0.10333	0.12272	0.01556	-0.02908	-0.02288	-0.06797	-0.02908
0.06418	0.06627	0.00395	0.02513	-0.05318	0.10709	0.10709
-0.00607	0.08189	-0.20375	-0.00256	-0.00204	-0.00256	-0.00256
-0.1436	-0.08721	0.04534	-0.11324	-0.07426	-0.11324	-0.11324
0.01898	0.07953	-0.06388	0.07953	0.05736	-0.04389	0.07953
-0.12053	0.19564	-0.08735	0.02671	0.0458	-0.17283	-0.04927
-0.01594	0.09168	-0.02989	0.1346	0.08217	0.1346	0.1346
-0.0779	-0.03444	-0.08305	0.09354	0.06504	0.09354	0.01235
0.12399	-0.04923	0.1382	-0.00999	0.0021	0.00264	0.00264
0.14545	0.035	0.10428	0.01418	0.01128	0.01418	0.01418
-0.0614	-0.1308	0.03193	-0.08185	-0.0587	-0.01584	-0.08185
-0.03552	-0.23648	-0.12611	-0.03146	-0.0247	-0.03146	-0.03146
0.13834	-0.02912	0.09473	-0.19769	-0.09519	-0.19769	0.05671
-0.02128	-0.02021	0.19687	-0.11536	-0.07513	-0.11536	-0.11536
0.00727	0.10268	-0.14796	-0.10908	0.03404	-0.10908	-0.10908
-0.09948	0.06749	-0.07659	0.1019	0.09058	0.1019	0.1019
-0.03889	0.06059	0.13234	0.12465	0.07874	-0.034	0.12465
0.17212	-0.1045	-0.00348	-0.09819	-0.06738	-0.09819	-0.09819
-0.13339	0.02288	-0.08652	0.00128	-0.06022	-0.05888	0.08874
-0.16957	0.00086	0.10486	-0.14389	-0.05372	-0.07343	-0.07343
-0.1206	0.04356	-0.03465	-0.06035	-0.01855	0.03217	-0.06035
0.10499	0.02612	-0.05867	0.03608	0.02818	0.03608	0.03608
0.04605	-0.0622	0.05031	0.00921	0.00734	0.00921	0.00921
-0.0102	-0.07275	-0.04932	-0.17166	0.05678	-0.17166	-0.17166
0.09525	0.1598	-0.02339	-0.0145	-0.03405	0.0614	-0.0145
0.05893	-0.00697	0.05498	-0.00043	0.06349	0.01234	0.09057
0.03604	-0.09014	0.01773	-0.02836	-0.09645	-0.02836	-0.0476

-0.07247	0.19818	0.00799	0.00799	0.00636	0.00799	0.00799
0.07114	0.1261	-0.22349	-0.05831	0.08652	0.09628	-0.05831
0.01954	-0.05242	0.00457	-0.02151	-0.0074	-0.00928	-0.00928
0.06921	0.16388	-0.01327	-0.10407	-0.00066	-0.00082	-0.00082
-0.03072	0.01119	-0.11398	0.07259	0.05321	0.07259	-0.05803
0.12232	-0.00877	0.07746	0.00905	0.00721	0.00905	-0.10757
0.14793	0.02966	0.12786	0.02265	0.08764	0.15398	0.15398
0.03013	0.06484	-0.04546	0.19901	0.09534	0.19901	0.04862
0.06503	-0.19165	-0.02554	-0.09293	-0.06473	-0.09293	-0.09293
-0.21359	-0.01652	0.05477	0.07502	0.05468	0.07502	-0.03305
0.29406	0.08079	-0.0596	-0.01306	0.07104	-0.01306	-0.01306
-0.0718	0.18118	-0.08654	0.20576	0.09604	0.20576	0.20576
-0.0511	0.09743	-0.16244	-0.03108	-0.0244	-0.03108	-0.03108
0.09684	0.10593	0.08545	0.08545	0.06072	0.08545	0.08545
0.11605	-0.11404	0.21052	0.11605	0.07542	0.02415	0.08875
-0.02335	-0.04091	-0.01206	0.07693	0.05583	0.07693	0.07693
0.00931	0.024	0.04333	0.0328	0.02571	-0.09816	0.0328
0.04238	-0.08703	0.01781	0.06769	-0.0474	0.02955	0.06769
-0.06164	-0.0725	0.09848	0.1226	0.07798	0.1226	0.1226
-0.10721	-0.06027	0.15964	-0.0847	-0.01502	-0.11467	-0.01894
0.02044	-0.02979	-0.08012	0.02289	0.0181	0.02289	-0.0803
-0.02995	-0.14755	-0.23082	-0.02995	-0.02355	-0.02995	0.03702
-0.16413	0.04115	0.00608	0.14592	0.08555	0.14592	0.14592
-0.05316	-0.15605	0.05982	0.11333	0.07429	0.11333	0.11333
-0.0425	-0.09303	-0.0134	0.12611	-0.09834	0.12611	-0.04422
-0.0032	-0.17845	-0.05925	-0.04718	0.085	-0.04718	-0.04718
0.07744	0.01805	0.00688	0.10797	0.06126	0.10797	0.10797
0.01064	-0.02551	-0.1395	0.01064	0.00847	0.01064	0.01064
0.104	0.11367	-0.03234	-0.08811	-0.05645	-0.08811	-0.08811
0.01509	0.17508	-0.0736	0.03392	0.02155	0.03392	0.03392
-0.0237	0.00991	0.02457	0.02457	0.03046	0.02457	-0.03366
-0.0268	0.08946	0.02469	0.08771	0.06196	0.08771	0.08771
0.19662	-0.06927	-0.04412	-0.02818	0.00428	-0.22118	-0.07855
0.0602	-0.10649	0.04096	-0.03908	0.07849	0.01791	-0.03908
-0.11178	-0.10249	0.16095	-0.10249	-0.06946	0.02586	0.04748
0.0313	-0.00679	0.0226	0.0226	0.01788	0.0226	0.0226
-0.0761	-0.06369	-0.00473	0.09028	-0.02305	0.09028	-0.17848
0.04747	-0.02332	0.12749	-0.00369	-0.06295	-0.00369	-0.01294
-0.16609	0.03962	0.10189	-0.00709	-0.00565	-0.00709	-0.00709
0.0015	-0.04121	-0.2164	0.00918	-0.0021	0.00918	0.00918
0.14589	0.14352	0.01207	0.01207	0.00961	-0.0508	0.01207
-0.13721	0.06419	0.07047	-0.12673	-0.0795	-0.12673	-0.12673
-0.08563	0.07771	0.24123	-0.14638	0.04023	0.09506	-0.14638
-0.05376	0.09356	0.10762	-0.08167	-0.05859	-0.08167	0.04122
-0.08098	-0.0514	-0.00947	-0.04821	-0.03702	-0.04821	-0.04821
0.02159	-0.19069	0.00912	0.0736	0.09494	-0.10491	0.10077
0.03721	-0.12432	-0.02707	0.10182	-0.05874	0.10182	0.10182
0.12903	-0.08617	-0.14211	0.12903	-0.01686	-0.02129	0.11597
0.2189	-0.08188	0.02842	0.2189	0.09714	0.2189	0.2189
-0.04265	-0.03563	0.0506	-0.04094	-0.03178	-0.04094	-0.04094
0.05946	0.05783	-0.05679	0.1709	0.09125	0.1709	0.1709
-0.01306	0.07655	-0.0298	0.09346	0.03562	0.04625	0.06098
0.04222	-0.13221	-0.2025	0.06868	0.05078	0.06868	0.06868
0.12516	0.04336	-0.08859	0.12516	0.07893	0.12516	0.12516
-0.15573	0.00814	-0.01467	-0.03224	-0.02528	-0.03224	-0.03224

0.13196	-0.04186	0.16083	-0.04186	0.00675	0.00847	0.00847
-0.06017	0.01772	-0.048	-0.06017	-0.01793	-0.06017	-0.06017
0.10016	0.11409	-0.0785	-0.02373	-0.0916	-0.17282	-0.17282
-0.10359	-0.06014	0.05192	0.05388	0.04785	0.05388	0.21115
-0.10867	-0.0073	0.05374	0.18876	0.09409	0.18876	0.18876
-0.03156	0.13896	-0.12249	0.07368	0.05388	-0.20704	-0.06976
-0.00441	0.027	0.08608	-0.03124	-0.02453	-0.12884	-0.03124
-0.25171	-0.01659	0.01643	-0.08002	-0.05764	-0.08002	-0.08002
-0.10391	0.03778	-0.06776	-0.07435	-0.05428	-0.07435	0.04483
-0.02467	-0.04477	-0.12892	0.01944	-0.0494	0.01944	0.15809
-0.06617	0.00194	-0.03269	0.17427	0.09186	0.17427	0.17427
-0.09985	-0.06464	-0.04382	-0.06464	0.04874	0.22059	-0.06464
0.01373	0.0517	0.01471	0.15976	0.08899	0.15976	0.15976
0.11286	-0.12169	0.01163	-0.13236	-0.08144	-0.16756	-0.13236
0.22623	0.18938	0.03534	0.18938	0.09418	0.18938	-0.13388
-0.07843	-0.08133	-0.24001	0.08923	0.06278	0.08923	0.08923
0.13758	0.06674	-0.01781	0.07279	0.05333	0.07279	0.07279
0.05764	-0.10261	0.15947	-0.08306	0.03188	0.04109	0.17489
0.0104	0.01883	0.06837	0.07985	0.08625	0.07985	0.07985
0.04423	0.23203	0.05816	-0.17977	0.07507	0.10709	0.10709
-0.03789	-0.00256	0.08919	-0.00256	0.02095	-0.00256	0.03613
0.03346	-0.00272	-0.09798	-0.11324	0.06696	-0.11324	-0.11324
-0.01025	-0.14161	0.2501	0.00629	0.00502	0.00629	-0.00355
-0.03858	0.09937	0.04801	0.1515	0.01664	0.05007	0.1515
-0.13167	0.1346	-0.12664	0.1346	-0.03737	0.09101	-0.06366
0.07986	-0.16788	-0.05594	0.09354	0.06504	0.14159	0.09354
0.09344	0.07311	-0.01122	0.08664	0.0053	0.00264	0.00264
-0.09348	-0.02506	0.12665	-0.09348	-0.01181	-0.09348	-0.09348
-0.08185	-0.13364	-0.01172	-0.08185	-0.0587	-0.08185	-0.01275
0.06419	0.00393	0.03453	-0.03146	-0.0247	-0.03146	0.03813
-0.18063	-0.11789	0.06707	-0.19769	-0.09519	0.10683	-0.19769
-0.11536	0.29232	0.13186	-0.11536	-0.07513	-0.11536	-0.09762
0.25171	-0.048	-0.03477	-0.03477	-0.02719	-0.03477	-0.03477
-0.04172	0.05695	0.07702	0.07702	0.06918	-0.04223	0.00864
-0.09426	0.08551	0.01283	0.12465	0.07874	0.12465	0.12465
-0.13354	-0.03034	0.04513	-0.07397	-0.06738	0.08959	-0.09819
-0.109	-0.00902	0.08183	0.00128	0.00102	-0.14095	0.00128
0.10012	-0.01636	0.12728	-0.07343	-0.05372	-0.07343	-0.07343
-0.00684	0.07138	-0.02616	-0.06035	0.0389	-0.06035	-0.06035
0.10446	-0.24248	0.09907	-0.18734	-0.01537	0.03608	0.10168
-0.0176	-0.07323	-0.18149	-0.12102	0.00734	-0.1227	0.00921
-0.0797	0.04656	-0.15583	-0.17166	0.09481	-0.17166	-0.17166
-0.0587	-0.0145	-0.02385	-0.0145	-0.06977	-0.0145	-0.0145
0.14318	0.13838	-0.06027	-0.14122	0.06349	0.09057	0.17636
0.07639	0.12706	-0.10462	-0.02836	-0.02233	0.01999	-0.02836
0.0427	0.01718	-0.04198	0.00799	0.00636	0.00799	0.00799
-0.02954	-0.06672	-0.07002	-0.05831	-0.04402	-0.05831	-0.12598
0.02852	-0.09533	0.00407	-0.00928	-0.0074	-0.00928	-0.00928
-0.02647	0.21026	-0.18402	-0.00082	-0.00066	-0.00082	-0.00082
-0.01909	0.01327	0.04683	-0.06404	0.0797	0.07259	-0.08262
0.00558	0.09968	0.10255	0.09968	0.00721	0.00905	0.00905
-0.06965	0.06768	0.06829	0.15398	-0.07113	0.08676	0.15398
0.22705	-0.13995	-0.00252	0.19901	0.01043	0.13438	0.19901
-0.15675	-0.17567	-0.07416	-0.09293	-0.06473	0.05573	-0.09293
0.07502	0.13349	0.01702	0.07502	-0.05071	0.0165	-0.05647

0.07123	-0.10827	0.12437	-0.01306	0.02197	-0.01306	-0.01306
0.03943	0.10605	0.16629	0.20576	0.09604	0.20576	0.20576
-0.1165	0.00461	-0.0658	-0.03108	-0.0244	-0.03108	0.08236
0.03833	0.04327	-0.0285	0.08545	0.03803	0.08545	0.08545
0.05429	-0.07226	0.14874	0.11605	0.07542	0.11605	0.11605
0.10198	-0.05694	-0.04979	0.07693	0.05583	0.07693	0.07693
-0.06735	-0.05144	-0.10068	0.1649	0.02571	0.0328	-0.11147
0.06769	-0.03646	-0.15425	0.06769	0.05015	0.06769	0.06769
0.1226	0.05991	-0.01361	0.1226	0.09246	0.1226	0.1226
-0.01586	-0.00954	0.05426	-0.05493	0.05591	0.08254	-0.05493
-0.23462	-0.01498	0.03666	-0.04176	-0.03238	-0.05551	-0.20867
-0.02995	-0.09747	0.0072	-0.02995	-0.02355	-0.02995	-0.02995
0.10127	0.03138	-0.11986	0.10127	0.06888	0.10127	0.10127
-0.00121	-0.03324	-0.05004	0.11333	0.07429	0.11333	0.11333
-0.03332	-0.14199	0.10864	-0.14199	-0.08444	-0.14199	0.11091
-0.04456	0.09382	-0.00521	-0.04718	-0.0171	-0.04718	-0.04718
0.1235	-0.12221	0.04288	0.10797	0.09119	0.10797	0.10797
-0.06005	-0.082	-0.01324	0.04341	0.00847	0.01064	0.01064
0.0377	0.04124	0.07705	-0.04364	-0.06217	-0.08811	-0.08811
-0.1043	-0.13907	0.01798	0.03392	0.03349	0.03392	-0.03395
0.08017	-0.02056	-0.05416	0.02457	0.01941	0.02457	0.02457
-0.08911	-0.04233	-0.17784	0.08771	0.06196	0.08771	0.08771
-0.18359	0.02763	0.15689	-0.15554	-0.02219	0.0487	0.01946
0.22994	0.05396	-0.09806	-0.03908	0.06263	-0.03908	-0.03908
-0.13635	0.26715	-0.14627	-0.10249	-0.06946	-0.10249	0.17572
-0.07791	0.02151	0.10163	0.0226	0.01688	0.06015	0.0226
0.01769	-0.06611	0.02963	0.09028	-0.04298	-0.11125	0.09028
-0.01397	0.07563	0.0538	-0.00369	-0.00294	-0.00369	-0.00369
0.0597	-0.08904	-0.07981	0.19674	0.00609	0.19674	0.19674
0.04726	0.11469	-0.107	0.00918	-0.0699	0.00918	-0.09327
0.14986	-0.00527	-0.0324	0.01207	0.00961	0.01207	0.01207
0.01041	0.01845	0.00029	-0.12673	0.04881	-0.12673	-0.12673
0.09003	-0.17826	0.1683	-0.14638	-0.08568	0.00371	0.02969
-0.05513	0.03943	0.04676	0.13233	0.02661	0.03833	0.13233
0.057	0.09744	0.0198	-0.04821	-0.03702	-0.04821	-0.21027
-0.04699	0.16332	-0.14308	-0.10491	-0.08854	-0.10491	-0.10491
0.00791	-0.00487	0.00791	0.00791	0.06914	-0.0281	0.10182
0.22396	0.02754	-0.12395	-0.02129	-0.01686	-0.02129	-0.02129
-0.08245	0.28529	-0.24083	0.2189	0.09714	0.2189	0.2189
0.05031	0.05678	-0.00577	-0.04094	-0.03178	-0.04094	0.14656
0.09335	0.08097	0.12739	0.1709	-0.0074	0.14258	0.1672
0.06403	0.00696	0.28078	0.06403	0.03562	-0.06149	0.06269
0.0439	-0.04626	-0.05673	0.0439	0.03393	0.12515	-0.0038
0.12516	0.11723	-0.03301	0.12516	0.07893	0.20353	0.12516
0.12225	-0.0387	-0.01392	-0.0387	0.06557	0.00957	0.02336
-0.10329	-0.10267	0.08352	-0.10329	-0.03977	0.06302	0.01717
0.00805	-0.02612	0.08778	0.03651	-0.04526	-0.09937	-0.06017
-0.0363	-0.10592	0.13	-0.17282	-0.0916	-0.17282	-0.17282
-0.09585	-0.17943	0.00217	0.04577	0.04099	0.05388	0.05388
0.15063	-0.08076	-0.07199	-0.1253	-0.07898	-0.1253	-0.1253
0.08382	-0.06419	-0.04202	0.07368	0.05388	0.07368	0.0094
-0.14748	0.01819	0.0282	-0.02971	-0.02453	-0.05194	-0.03124
-0.1273	-0.01636	0.05927	-0.08002	0.00749	-0.08002	-0.06006
-0.09068	-0.07294	0.01193	-0.07435	-0.05428	0.01005	-0.07435
-0.05682	0.11761	0.14251	0.01944	0.01541	-0.02421	0.01944

0.02203	-0.0317	0.04148	0.04462	0.06906	0.10165	0.10165
0.10691	-0.18681	0.10652	-0.04402	0.09197	0.16676	-0.06464
-0.0078	0.03477	-0.10138	0.15976	-0.09045	0.15976	0.15976
0.03023	0.02513	-0.01687	-0.13236	-0.08144	-0.09766	-0.13236
0.06654	-0.00504	0.05696	0.18938	0.09418	-0.06453	0.10464
-0.04139	0.18256	-0.03484	0.08923	0.06278	0.08923	0.08923
-0.10982	0.04566	0.18027	0.04566	-0.05663	0.05397	-0.16955
0.07232	-0.056	0.01379	0.04109	0.03188	0.04109	0.04109
0.00696	-0.15958	-0.18127	0.07985	0.05754	0.07985	0.07985
-0.01695	0.04924	0.09228	0.10709	0.07158	0.10709	0.10709
-0.03688	0.07402	-0.00256	-0.00256	-0.00204	-0.00256	-0.00256
-0.13718	0.06135	0.1526	0.02694	-0.07426	0.07999	-0.04474
0.15921	-0.01749	-0.10659	0.00629	0.00502	0.00629	0.17564
-0.2353	0.10075	-0.04465	0.1515	0.08702	0.1515	-0.1122
-0.06904	0.00948	-0.00765	0.1346	0.08217	0.1346	-0.02497
0.23959	0.09354	-0.12968	0.09354	0.06504	-0.07864	0.073
0.03915	0.00264	-0.07956	0.00264	0.0021	0.00264	0.00264
0.09065	-0.11109	0.0688	-0.1187	-0.02018	0.04376	-0.0996
-0.15421	0.06587	0.10466	-0.08185	0.01916	-0.08185	-0.08185
-0.05606	0.1061	0.02324	0.00143	-0.0247	-0.03146	-0.03146
0.03337	-0.10533	0.09072	-0.14968	-0.05183	-0.19769	0.07384
0.07171	-0.03336	0.06869	-0.11536	-0.07513	-0.11536	-0.11536
-0.07958	0.01167	0.03232	-0.02347	-0.0726	-0.03477	-0.03477
0.1019	0.08326	0.23582	0.1019	-0.0058	0.07277	0.1019
0.09009	-0.04653	-0.08618	0.12465	0.07874	0.12465	0.12465
0.22777	-0.15698	0.00129	-0.09819	-0.06738	-0.09819	-0.12385
-0.11264	-0.01405	-0.06	0.00128	0.00102	0.00128	0.00128
-0.00043	0.0935	-0.14357	-0.07343	-0.05372	-0.07343	0.06146
0.02407	0.14953	-0.02079	-0.06035	-0.04538	-0.06035	-0.02469
-0.22592	-0.22592	0.05691	-0.22592	0.02818	0.03608	-0.04517
-0.08587	-0.06381	-0.04925	0.04122	0.03198	0.04122	0.04122
-0.03485	0.16891	-0.17166	-0.17166	0.03812	-0.17166	-0.17166
-0.0428	0.01355	-0.20746	-0.0145	-0.01153	-0.0145	-0.0145
0.13707	-0.00014	-0.10653	0.02468	0.06349	0.09057	0.09057
-0.02836	-0.02836	0.14692	-0.02836	-0.02233	0.11614	-0.02836
-0.16703	-0.19828	-0.08271	-0.08271	0.00636	0.00799	0.00799
0.06001	-0.08737	-0.00023	-0.05831	-0.04402	-0.05831	0.00804
-0.00928	0.04872	-0.06933	-0.00928	-0.0074	-0.00928	0.02831
-0.13616	-0.03105	0.05058	-0.00082	-0.00066	-0.00082	-0.00082
0.07651	0.04081	0.05906	0.07259	0.05321	0.07259	0.07259
0.00453	0.03574	0.00905	0.00905	0.08971	0.37067	0.00905
-0.02443	0.07634	-0.01977	0.19107	0.06727	0.09796	0.07949
0.16511	-0.14313	0.19901	0.19901	0.01431	0.19901	0.19901
-0.0475	-0.00184	-0.00872	-0.06914	-0.07288	-0.09293	-0.09293
-0.11513	-0.06673	0.01615	0.07502	0.05468	0.07502	0.03531
-0.00043	-0.20843	0.12062	-0.01306	0.02127	0.00555	-0.01306
0.13539	0.13216	-0.05191	0.20576	0.09604	0.20576	0.20576
0.12292	0.12292	-0.08287	0.12292	-0.0244	-0.05342	-0.03108
0.09253	0.08545	0.08545	0.08545	0.06072	0.08545	-0.14196
0.03454	-0.02336	-0.14654	0.05566	0.07771	0.12189	0.12189
0.06063	0.01634	0.1399	0.07693	0.05583	0.11976	0.07693
0.04226	-0.0407	-0.02746	-0.05462	-0.09437	0.0328	0.01056
0.11124	-0.0797	0.06769	0.06769	0.06214	0.06769	-0.06071
-0.05986	0.06557	-0.0995	0.04675	0.03598	0.04675	0.04675
-0.17139	-0.09577	-0.17498	-0.05493	-0.0104	-0.05493	0.01442

-0.03769	0.20587	-0.05347	-0.04176	-0.03238	-0.04176	-0.04176
-0.08113	0.08648	0.08116	-0.02995	-0.08208	-0.02995	-0.00746
-0.10358	-0.10916	0.00485	0.10127	0.06888	-0.0174	0.13108
-0.06814	-0.03928	0.11333	0.11333	0.07429	0.11333	-0.05873
0.17884	0.09827	-0.14199	-0.14199	-0.09498	-0.14199	-0.02122
-0.10247	0.19243	0.17648	-0.10247	-0.06945	-0.10247	0.15565
-0.02348	0.03766	0.06893	0.10797	0.07197	0.10797	-0.03283
0.0717	-0.08575	0.01064	0.01064	-0.03726	0.01064	0.01064
-0.08811	-0.13382	-0.05689	-0.08811	0.0792	0.11941	-0.08811
-0.03139	0.052	-0.06958	0.03392	0.02655	0.03392	0.03392
-0.10685	-0.02577	0.06606	0.09339	-0.04896	0.02457	-0.09078
-0.06216	-0.1137	0.04438	0.05439	0.06196	0.08771	0.0712
0.1201	0.18468	0.01698	-0.02818	-0.00877	0.019	-0.02818
0.06233	0.05583	-0.09688	-0.0612	-0.0304	0.06862	-0.03908
-0.14945	-0.24752	0.12201	-0.10249	0.09408	-0.10249	0.05026
0.13229	-0.02407	-0.02667	0.0226	0.01788	0.0226	-0.18485
-0.16613	0.09028	0.00982	0.09028	0.06333	0.09028	0.01645
0.00951	-0.0022	-0.18384	0.02301	0.0182	0.02301	-0.15262
-0.04848	-0.08239	-0.00975	0.19674	-0.06444	0.19674	-0.07424
-0.00209	0.07439	-0.10462	0.02266	0.07335	-0.04621	0.11111
-0.03118	0.11464	0.13147	0.01207	0.00961	0.01207	0.01207
0.08592	0.01463	0.02905	-0.12673	-0.0795	0.02889	0.03659
0.01481	0.15817	0.08844	0.03974	-0.08866	-0.02553	-0.10806
0.15977	-0.16223	-0.02956	-0.10382	0.05136	0.13233	0.1346
-0.04821	0.08129	-0.04821	-0.04821	-0.03702	-0.04821	-0.11683
-0.20007	-0.21002	-0.16974	-0.20007	-0.09546	-0.20007	-0.20007
0.0306	-0.01277	0.07357	0.07357	0.05381	0.07357	0.07357
-0.03188	-0.00864	-0.14293	-0.14293	-0.01686	-0.02129	-0.02129
0.2189	0.00828	0.10728	0.2189	0.09714	0.2189	-0.18369
-0.08472	-0.04883	-0.02039	-0.06114	-0.03178	-0.04094	-0.04584
0.07778	0.04678	0.19123	-0.04048	-0.03144	-0.0411	-0.04048
-0.12582	0.05711	-0.06325	-0.05097	0.03562	0.04625	0.02029
0.0939	0.11351	-0.12947	0.0439	0.03393	0.0662	0.0439
-0.19048	-0.07633	0.03919	0.12516	0.07893	-0.06249	-0.14166
0.02343	0.02038	0.08915	0.02336	0.01847	0.02336	-0.01134
-0.00832	0.02653	-0.04456	-0.10329	0.07465	-0.106	-0.07934
-0.07368	-0.10679	-0.08498	0.12823	-0.04526	-0.06017	0.10416
0.1043	-0.09164	0.22766	0.22766	-0.02787	-0.01941	-0.03567
0.01061	-0.03168	0.05575	0.05388	0.04099	0.05388	0.05388
0.0441	0.16013	0.02885	0.08763	-0.07898	-0.1253	0.02835
0.05328	-0.06047	0.08073	0.07368	0.05388	0.07368	0.07368
-0.05793	0.10061	0.01364	-0.03124	-0.02453	-0.03124	-0.03124
-0.01329	0.16949	0.15039	-0.08002	-0.05764	-0.1318	0.00117
0.0197	-0.07435	-0.18394	-0.07435	-0.05428	-0.07435	-0.07435
0.01128	0.14228	0.01666	0.0017	0.01541	0.01944	0.01944
-0.18316	0.03988	0.08332	0.10165	0.06906	0.10165	0.13966
0.06524	0.1847	0.03009	-0.2445	-0.0482	-0.06464	-0.06464
0.11942	0.00619	0.04543	0.15976	0.08899	-0.0469	0.15976
-0.07466	-0.01785	0.11364	-0.02511	-0.01983	-0.02511	-0.02511
0.07476	-0.00934	-0.09667	0.18938	0.09418	-0.05503	0.18938
0.20704	-0.02743	0.00591	0.08923	0.06278	0.08923	0.08923
0.14593	-0.08688	-0.12514	0.04566	0.09657	0.04566	-0.00831
0.04725	-0.06678	-0.04058	0.04109	0.03188	0.04109	0.06121
-0.13548	-0.10708	-0.07015	0.07985	0.05754	0.07985	0.07985
-0.08866	-0.07707	0.05528	-0.05196	-0.07444	-0.05196	-0.05196



-0.04024	0.1012	0.16237	-0.00256	-0.00204	-0.02582	-0.00256
-0.11329	0.01619	-0.02137	-0.11426	-0.04869	-0.00245	-0.11324
0.09858	0.07799	-0.14511	-0.14511	0.06237	0.00629	0.00629
0.10708	0.05672	-0.14111	0.10708	0.08702	0.1515	0.1515
-0.05937	0.1346	-0.00961	0.1346	0.08217	0.1346	0.02676
-0.02638	-0.241	-0.02715	0.09354	0.06504	-0.1241	0.09354
-0.00358	0.03736	-0.05977	0.10272	-0.01748	0.04538	0.04538
0.03849	-0.1291	0.08447	-0.09348	-0.06501	0.06755	-0.09348
-0.00594	-0.04219	0.02038	-0.02056	-0.0587	-0.08185	-0.08185
-0.10836	-0.13825	0.05488	-0.03146	-0.0247	0.15707	-0.03146
-0.06552	-0.05361	-0.12937	0.16048	-0.09519	-0.19769	-0.19769
-0.08488	0.01133	0.24726	-0.11536	-0.07513	-0.11536	-0.11536
-0.04749	-0.03477	-0.0202	-0.03477	-0.02719	-0.03477	-0.03477
0.12009	-0.03436	-0.22164	0.1019	0.06918	-0.13252	0.1019
0.17143	-0.07021	0.08064	0.12465	0.07874	0.12465	-0.02023
0.02314	0.12071	0.16032	-0.09819	-0.06738	-0.09819	-0.09819
0.02537	0.01968	-0.07035	0.00128	0.00102	-0.10895	-0.05708
0.14835	0.13757	-0.05925	-0.07343	-0.05372	-0.07343	-0.07343
0.08341	0.07122	0.09393	-0.06035	-0.03784	-0.05285	-0.06035
-0.03546	-0.08669	0.10708	0.03608	0.02213	0.03608	0.03608
-0.07398	0.1002	0.03197	0.08789	0.03198	0.04122	0.04122
-0.02437	0.02584	0.04709	-0.07436	-0.00571	-0.07436	-0.07436
-0.1436	0.06486	-0.09514	-0.0145	-0.01153	-0.0145	-0.0145
0.09552	-0.11882	-0.03565	0.09057	0.06349	0.05138	0.09057
-0.02836	-0.01731	-0.04906	-0.02836	-0.02233	-0.02836	0.03061
0.04203	0.04088	-0.1112	0.01826	0.01449	-0.04061	0.01826
-0.06543	-0.1645	0.01216	-0.06543	-0.04402	-0.05831	0.06279
-0.18479	-0.00291	0.09604	-0.00928	0.08468	-0.00928	0.11057
0.07963	0.01898	-0.03921	0.13124	-0.00066	-0.00082	-0.00082
0.14269	-0.00608	0.01225	-0.11518	0.00872	0.07259	0.07259
0.04908	0.03932	0.02193	0.00905	0.00721	-0.08798	-0.08784
-0.01067	0.00477	-0.15827	0.09796	0.06727	-0.11216	-0.05382
-0.09532	0.0297	-0.00607	-0.08559	-0.00906	0.03455	0.19611
0.01129	0.07116	0.04508	-0.09293	-0.06473	0.02373	-0.09293
-0.06693	-0.06693	-0.06693	-0.06693	0.05468	0.07502	0.07502
0.01889	-0.01306	0.09814	-0.01306	0.0575	-0.01306	0.06998
0.06519	0.15442	0.03608	0.20576	0.09604	-0.14314	0.20576
-0.01384	0.05323	-0.01786	-0.00861	-0.02684	-0.00861	-0.00861
0.10432	-0.03289	-0.05881	0.08545	-0.01932	0.08545	0.08545
-0.02899	-0.05945	0.10517	0.12189	-0.07533	-0.05887	0.12189
-0.06792	-0.08772	-0.18528	0.07693	0.04044	0.07693	0.07693
-0.16702	-0.11226	0.05754	-0.17436	0.02571	0.0328	0.0328
0.09045	-0.04177	-0.08427	0.06769	-0.03733	0.06769	0.06769
0.03124	0.09645	-0.03785	0.34158	-0.09652	0.04675	0.04675
-0.1066	-0.02252	0.17386	-0.05493	-0.04172	-0.05493	-0.05493
-0.04637	0.16656	-0.11348	0.07457	0.05441	-0.17236	0.04631
0.17316	0.1185	-0.07582	-0.02995	-0.02355	-0.02995	0.03099
-0.15587	-0.30635	0.0777	0.04026	0.03128	0.04026	-0.01801
0.04504	0.02276	-0.13393	0.0547	0.04156	0.0547	0.0547
-0.04493	-0.14199	-0.25688	-0.14199	-0.08444	-0.14199	0.02549
0.10579	-0.11537	0.07747	-0.10247	-0.06945	0.0489	-0.10247
0.2646	-0.05942	-0.11752	-0.05942	-0.04476	-0.05942	-0.03401
0.02273	-0.07849	-0.01209	0.01064	0.00847	-0.06321	0.01064
-0.08808	-0.03608	-0.01694	-0.08811	-0.06217	0.02873	-0.08811
-0.10573	0.12555	-0.08843	0.03392	0.02655	0.03392	0.03392

-0.02576	0.08037	0.1225	-0.09173	0.01941	0.02457	0.02457
-0.07824	0.08632	0.00174	0.08771	0.06196	0.08771	0.14492
-0.01379	-0.15683	0.14207	-0.07837	-0.07709	-0.02818	-0.02818
0.15017	-0.03908	0.18856	-0.03908	-0.0304	-0.03908	-0.03908
0.06318	0.05743	0.04563	0.10586	-0.06227	0.06651	-0.10249
-0.05335	-0.05023	-0.05905	-0.11088	-0.07325	0.02409	-0.11088
-0.18753	0.14137	-0.03752	-0.15804	0.05481	0.09028	0.09028
0.06891	0.05014	0.03334	0.02301	0.0182	-0.16268	0.06704
0.00154	-0.0893	0.30791	0.00252	0.09509	0.08103	0.19674
0.09504	0.03177	-0.04147	0.11111	0.07335	0.11175	0.11111
0.0381	-0.17785	0.01352	0.01207	0.00961	0.01207	0.01207
-0.13138	-0.02285	0.10334	-0.10917	-0.0795	-0.12673	0.07853
-0.01163	0.18649	-0.06978	0.0979	0.06724	-0.07047	0.01528
0.00917	0.07748	-0.081	-0.08176	0.08143	0.13233	-0.18203
-0.05728	0.13311	-0.00566	0.04535	-0.03702	-0.04821	0.10656
-0.00102	-0.05305	-0.06592	-0.20007	0.05764	-0.20007	-0.20007
0.04923	-0.10118	-0.0401	-0.16768	0.05381	0.06915	0.07357
0.02302	-0.1611	-0.1167	-0.02129	-0.02688	-0.02129	-0.02129
-0.02891	-0.00018	0.03832	-0.05231	0.09714	-0.08142	0.2189
-0.0877	0.03281	0.05045	-0.04094	-0.03178	-0.04094	-0.04511
0.03536	0.09734	-0.09712	-0.04048	-0.03144	-0.04048	0.08541
0.23497	-0.08204	0.00977	0.04625	0.03562	0.04625	-0.10162
-0.02169	0.1902	0.19635	0.0439	0.09791	0.0439	0.0439
0.16207	0.12516	-0.13286	0.12516	0.07893	0.12516	0.12516
-0.16519	0.01021	0.0238	-0.15913	-0.01507	-0.05589	-0.05589
-0.15313	-0.027	0.13383	-0.10329	0.03794	-0.10329	-0.10329
0.01897	-0.10978	-0.03821	-0.06017	-0.04526	-0.06017	-0.06017
-0.07133	0.12097	-0.025	-0.03567	-0.02787	-0.03567	-0.03567
0.08034	-0.02043	0.10317	0.05388	0.04099	0.05388	0.05388
-0.04921	-0.20063	-0.24412	-0.1253	0.00275	-0.1253	-0.1253
0.06709	0.04553	0.07368	0.07368	-0.08232	0.07368	0.07368
0.08563	0.01585	0.07011	-0.14438	-0.08512	-0.14438	-0.14438
-0.12299	-0.04951	0.11262	0.12579	0.06713	0.07886	-0.12439
0.07563	0.01193	-0.12606	-0.07435	-0.05428	-0.07435	-0.07435
-0.02249	0.06706	-0.04109	0.01944	0.01541	0.01944	-0.01382
-0.05607	-0.02989	0.02181	-0.02989	0.06906	0.10165	0.10165
-0.07936	-0.09057	-0.00128	0.07952	-0.04896	-0.05303	0.23601
0.15686	-0.04724	0.0876	0.06142	-0.01935	0.15976	0.15976
-0.0865	0.04269	0.16283	-0.02511	-0.01983	-0.02511	-0.02511
0.16904	-0.06608	-0.05262	0.18938	0.09418	-0.06778	0.18938
0.11654	-0.12093	0.06411	0.08923	0.06278	0.02495	0.08923
0.08448	-0.03694	-0.00016	-0.00016	0.0352	0.04566	0.02448
0.00382	-0.01474	-0.13832	0.00512	0.00408	-0.13454	0.00512
0.03468	0.1114	0.00519	0.07985	0.05754	0.07985	0.07985
-0.139	0.22013	-0.19317	-0.05196	-0.03967	0.17748	-0.05196
-0.00256	-0.00256	-0.10064	-0.00256	-0.06226	-0.11838	-0.00256
-0.25003	0.0408	0.07554	-0.11324	0.00598	-0.11324	-0.11324
-0.00702	-0.00524	0.04196	0.00629	0.00502	0.00629	0.00629
-0.04032	0.13919	0.12707	0.1515	0.08702	0.1515	0.1515
0.01564	0.06773	0.02548	0.1346	0.08217	0.1346	0.1346
0.04176	0.02143	-0.08247	0.07239	0.05309	0.07239	0.14065
-0.11777	-0.17411	0.19246	0.13554	0.08247	-0.01736	0.05704
-0.03088	0.08579	-0.03385	-0.09348	-0.06501	-0.09348	-0.09348
-0.03295	-0.14058	0.00826	-0.00433	-0.0587	-0.08185	-0.08185
0.07979	-0.07411	0.12543	-0.03146	-0.0247	-0.03146	-0.03146

0.12864	-0.02349	0.16191	-0.19769	0.0483	-0.1835	-0.19769
-0.08899	0.01485	0.08958	0.13769	-0.07513	-0.0588	-0.11536
-0.03477	-0.04657	-0.02315	-0.03477	-0.02719	-0.03477	-0.03477
-0.00025	-0.08918	-0.06298	-0.02069	0.06918	0.04252	0.02574
0.17415	-0.1049	0.04128	0.12465	0.07874	0.12465	-0.1334
0.02491	0.04748	-0.13425	-0.09819	-0.06738	0.13173	-0.10039
0.00128	0.00402	0.22485	0.00128	0.00102	-0.00242	0.00128
-0.18268	0.08111	-0.07343	-0.07343	-0.05372	-0.07343	-0.02665
0.05434	0.14041	-0.06035	-0.06035	-0.04538	-0.06035	-0.06035
0.01122	-0.03035	-0.05133	0.03608	0.02818	0.03608	0.03608
-0.08156	0.12091	0.02696	0.04122	0.00035	0.04122	0.04122
0.04776	0.16706	-0.11254	0.06595	-0.05429	-0.0805	-0.07436
-0.12513	-0.06093	-0.02694	-0.0145	-0.01153	-0.0145	-0.04237
0.09239	0.09079	-0.00429	0.09057	0.0757	0.09057	0.09057
-0.02836	-0.17394	0.079	-0.02836	-0.02233	0.0234	-0.02836
-0.14235	-0.01202	-0.07137	0.16491	0.07141	0.02832	0.10672
0.11572	0.03828	-0.24453	-0.23953	-0.09834	-0.23953	-0.23953
-0.0597	-0.00928	-0.10316	-0.00928	-0.0074	-0.00928	-0.00928
0.02307	-0.03901	-0.01275	-0.00082	-0.00066	0.18625	0.11521
0.08745	0.2594	-0.18945	0.07259	0.0242	0.07259	-0.04348
-0.08877	-0.11418	-0.04833	0.00905	-0.06471	0.00905	0.03522
-0.04147	-0.0015	0.03171	0.09796	0.06727	0.09796	0.09796
0.04168	-0.07749	0.13131	0.19901	0.09534	0.19901	-0.03383
-0.13001	-0.06322	0.1163	-0.09293	-0.06473	-0.09293	-0.09293
0.12402	-0.26093	0.07502	0.07502	-0.0881	0.07502	0.07502
-0.05683	0.07749	0.16097	0.05429	-0.01039	0.00352	-0.01306
-0.03405	0.20576	-0.13507	0.20576	0.09604	0.04621	0.20576
-0.0701	0.00543	0.1192	0.1192	0.01603	-0.04034	0.06742
-0.00102	0.05181	0.05034	0.08545	0.06072	-0.07896	0.08545
0.05635	0.12189	0.01628	0.12189	0.07771	0.12189	0.03985
0.02633	0.03417	0.16592	0.07693	0.05583	0.03281	0.07693
0.0328	0.05562	-0.06337	0.0328	0.02571	0.0328	0.0328
0.00197	-0.14381	-0.01242	0.06769	0.05015	0.06769	0.06769
-0.02379	0.12979	0.08527	0.08121	0.03598	0.04675	0.04675
0.08121	-0.02493	-0.09058	-0.05493	-0.04172	0.09615	-0.05493
0.13329	0.1254	-0.11023	-0.03012	-0.02368	-0.03012	-0.03012
0.20153	-0.08721	-0.03099	-0.02995	0.06177	-0.02995	0.009
-0.18899	-0.03656	0.05508	0.04026	0.03128	0.04026	-0.12605
-0.01826	-0.01698	-0.03013	0.0547	0.01553	0.0547	0.0547
-0.00576	0.09047	-0.02044	-0.14199	0.03554	-0.14199	-0.14199
0.13716	-0.10247	-0.10619	-0.10247	-0.06945	-0.00397	-0.10247
0.10921	-0.01165	-0.10346	-0.05942	-0.04476	-0.05942	-0.05942
0.18559	0.05589	0.02231	0.01064	0.05553	0.06945	0.01064
-0.14669	-0.21792	0.04036	-0.08811	-0.03474	-0.08811	-0.05429
0.03516	-0.04037	0.15253	0.15253	0.02655	0.03392	0.03392
-0.06204	-0.14182	0.02457	0.02457	0.01941	0.02457	0.02457
-0.16639	0.07151	0.03415	0.05616	-0.08814	0.05616	0.10859
-0.07398	-0.11863	0.00505	-0.02818	-0.02219	-0.05752	-0.02818
0.0404	0.05024	-0.14931	-0.03908	0.07081	-0.03908	-0.02035
-0.12006	-0.03692	-0.04356	-0.10249	-0.06946	-0.10249	-0.10249
-0.04494	-0.11088	0.1045	-0.11088	-0.07852	-0.11088	-0.11088
-0.08582	-0.05679	-0.00253	0.09028	0.06333	-0.141	0.09028
0.05694	0.14132	0.06765	0.10914	0.0182	0.05483	-0.03897
0.01252	-0.10254	-0.18387	0.19674	0.09509	0.19674	0.19674
-0.03519	0.10399	0.06101	0.11111	0.07335	0.11111	0.11111

0.02427	0.01047	-0.06021	-0.09411	-0.00058	-0.00073	0.04694
0.09142	-0.08021	0.09983	-0.02331	-0.09083	0.02251	0.04395
0.07185	0.23435	-0.07667	-0.04104	-0.03185	-0.04104	-0.04104
-0.05832	0.06216	0.06126	0.13233	0.08143	0.06551	-0.01855
-0.01781	-0.13098	-0.0088	-0.00481	-0.01419	-0.01788	-0.01788
0.02718	-0.20007	-0.04792	-0.20007	-0.09546	0.07484	-0.20007
0.23245	0.02043	0.18132	-0.05358	0.05643	-0.07954	0.07357
0.12706	-0.02129	-0.10707	-0.02129	0.01664	-0.02129	-0.02129
-0.03295	-0.19598	0.00956	0.2189	0.09714	0.2189	0.2189
0.07176	-0.06543	0.12172	-0.04094	-0.04434	-0.04094	-0.04094
0.04555	-0.07071	0.09018	0.19619	-0.02705	-0.00236	-0.00236
0.06086	0.08716	0.08716	0.08716	0.03562	0.04625	0.04625
0.10159	0.20039	-0.09162	0.0439	0.07609	0.0439	0.11061
-0.04573	0.07487	-0.01494	0.12516	0.09946	0.12516	0.06545
0.01079	-0.00076	0.04627	-0.09584	-0.04238	-0.05589	-0.05589
-0.16445	-0.03308	-0.16307	0.05656	-0.06984	-0.10329	-0.00137
0.07803	0.11343	0.06885	-0.06017	-0.04526	-0.06017	-0.06017
-0.03694	-0.03694	-0.20066	-0.03694	-0.02787	-0.03567	-0.03567
0.16114	0.05388	-0.05928	0.05388	0.04099	0.15157	-0.11431
-0.21259	-0.02024	-0.03791	-0.1253	-0.06021	-0.1253	-0.14624
-0.09583	0.03684	0.01325	-0.02385	-0.0273	-0.03491	-0.03491
0.03875	-0.05024	0.03184	0.03875	-0.08512	-0.14438	-0.10225
-0.07701	0.04954	-0.08115	0.07886	0.05697	-0.05538	-0.03098
0.01212	0.03833	0.12496	-0.07435	-0.05428	-0.07435	-0.07435
-0.01264	0.01944	0.05511	0.01944	0.01541	0.00799	0.01944
0.22992	0.01219	-0.03572	0.04941	0.03788	0.04941	0.04941
0.01928	-0.1165	-0.25829	-0.11427	-0.0482	0.07601	-0.0269
-0.05804	0.14079	0.00369	0.15976	0.08899	-0.01162	0.06627
-0.2264	-0.14215	-0.07832	-0.02511	0.00752	-0.02511	-0.02511
0.12673	-0.01347	-0.06136	-0.08728	-0.06172	-0.08728	-0.08728
-0.00344	-0.18221	0.02995	0.08923	0.05544	0.08923	0.08923
0.08499	-0.09061	0.14589	0.04566	0.0352	0.04566	0.04566
0.05511	-0.01123	0.0703	0.00512	0.00408	-0.12206	0.00512
-0.13065	0.06738	0.01345	-0.06857	0.06246	0.07985	0.07985
0.1376	-0.06085	-0.12797	-0.05196	-0.03967	-0.22218	-0.12031
-0.07779	0.08299	-0.00256	-0.00256	0.03892	-0.00256	-0.00256
0.08357	0.12489	0.09945	0.04646	0.05015	-0.10052	0.06769
0.04069	-0.03167	0.19767	-0.02178	0.00502	0.04708	0.00629
-0.03605	0.09311	0.04462	0.15668	0.08828	0.15668	0.15668
-0.0444	0.17276	-0.13219	-0.13888	-0.08351	-0.13888	-0.13888
-0.11653	0.0493	-0.0083	-0.02804	0.05309	0.07239	0.07239
-0.09087	-0.04991	-0.08635	-0.03873	-0.00749	0.13554	0.13554
-0.09348	0.01805	-0.02421	-0.09348	0.08829	-0.09348	-0.09348
-0.01116	0.01647	-0.09183	-0.10485	-0.07056	0.05788	-0.10485
-0.079	-0.0413	-0.05876	-0.19903	-0.09534	-0.04935	-0.19903
0.20638	0.07807	0.10823	-0.19769	-0.09519	-0.19769	-0.19769
0.04122	-0.18744	0.09341	-0.08374	-0.05976	0.13471	-0.06499
0.06106	-0.10477	-0.03477	-0.03477	0.08965	0.03235	-0.03477
0.08327	0.06897	-0.0104	0.1019	0.071	0.1019	0.1019
-0.06411	0.03275	0.06154	-0.00214	0.02122	-0.00214	-0.00214
0.08802	-0.10002	0.03705	-0.09819	-0.08964	0.04153	-0.09819
0.02388	0.01097	0.0689	0.00968	0.00771	-0.19347	0.02393
-0.11841	-0.02666	-0.04468	0.0181	-0.05372	-0.07343	-0.07343
0.12061	0.09457	-0.17581	-0.06035	-0.04538	-0.06035	-0.06035
-0.1778	-0.05331	0.23674	0.03608	0.05566	0.17922	0.33157

-0.02037	-0.07826	0.15652	0.04122	0.03198	-0.02972	0.04122
-0.05047	0.13432	-0.11817	-0.07436	-0.05429	-0.07436	-0.07436
-0.08852	0.21334	0.02052	-0.0145	-0.01153	-0.0145	-0.0145
-0.1335	0.0666	0.0716	0.0716	0.06349	0.09057	0.14481
-0.03201	0.10961	0.04959	-0.02836	-0.02233	-0.02836	-0.10609
0.15025	-0.1354	0.00632	0.10672	-0.07351	-0.01256	-0.14552
0.01239	-0.01256	-0.01753	-0.23953	-0.09834	-0.23953	-0.23953
0.03302	-0.01462	-0.14961	-0.13465	-0.00716	-0.13465	-0.13465
-0.0956	-0.06829	-0.01785	-0.00082	0.01927	-0.00082	-0.00082
-0.00867	0.03142	0.03852	0.12782	0.05321	0.07259	0.07259
0.05477	-0.06276	-0.21804	0.05477	-0.03782	-0.04934	0.12014
0.08764	0.0696	0.09796	0.09796	0.06727	0.09796	0.09796
-0.01581	0.16542	-0.02853	0.19901	0.09534	0.19901	0.08018
-0.05897	0.04875	0.08224	-0.02537	-0.02003	-0.02537	-0.02537
-0.07322	0.01606	-0.1106	0.07502	0.05468	0.07502	0.07502
0.04751	-0.00928	0.04753	0.0279	-0.01039	-0.01306	-0.01306
0.01239	0.10177	-0.10169	-0.09659	0.0674	-0.09659	-0.09659
0.0134	-0.04802	0.01544	0.06742	0.04998	0.06742	0.06742
0.14216	-0.0295	0.1047	0.09193	0.06421	0.09193	0.09193
0.12189	-0.16624	0.1909	0.12189	0.07771	0.12189	0.12189
-0.13725	0.05638	0.15581	0.07693	0.05583	-0.07756	0.07693
0.06263	-0.12339	-0.08341	0.0328	0.02571	0.0328	0.0328
0.06769	-0.15042	-0.04626	0.06769	0.05053	-0.05324	0.06769
0.04675	0.01057	0.0547	0.04675	0.03598	0.04739	0.04675
-0.03946	-0.09053	-0.00079	-0.05493	-0.04172	-0.05493	0.02246
-0.20167	-0.02071	-0.13536	-0.12488	-0.06505	-0.03012	0.04632
-0.11426	0.10996	0.09	-0.0974	-0.02355	-0.02995	0.16685
0.03825	0.16326	-0.06246	0.04026	0.02961	-0.15124	0.06066
-0.10827	-0.02916	0.00424	0.00424	0.04156	0.0547	-0.08263
0.08884	-0.08314	0.00439	-0.02203	-0.01744	-0.02203	-0.02203
-0.10247	0.01169	-0.11203	-0.10247	-0.06945	-0.10247	-0.10247
-0.0557	0.13833	0.01639	0.09045	0.06343	0.09045	0.09045
-0.00281	0.02556	-0.06283	0.04875	0.03741	0.04875	0.04875
0.00525	-0.18281	-0.0161	-0.0161	0.07846	-0.14947	-0.14947
-0.01455	0.05631	0.03392	0.03392	0.02655	0.03392	0.03392
0.12718	-0.04284	0.09577	-0.22006	-0.0948	-0.22006	-0.22006
0.04024	0.08057	0.03432	0.05616	0.04256	-0.04939	0.05616
-0.12944	0.01954	0.32068	0.12895	0.08028	0.12895	0.12895
0.203	-0.13399	-0.03519	-0.03908	-0.07072	-0.03908	-0.03908
-0.03833	0.11319	-0.00717	-0.10249	-0.02478	-0.10249	-0.10249
0.02733	-0.12079	0.10967	-0.11088	-0.07325	-0.03066	0.33773
-0.23604	0.04129	-0.13156	-0.23604	-0.05233	0.09028	0.09028
0.14085	-0.05301	0.15232	0.02301	0.0182	0.02301	0.02301
-0.08088	-0.00255	0.06914	0.19674	0.09509	0.19674	0.13038
-0.10215	-0.01351	0.05463	0.11111	0.07335	-0.00441	0.05156
-0.00073	0.25604	-0.02131	-0.00073	-0.00058	-0.00073	-0.00073
-0.09203	-0.10156	-0.08585	0.04395	0.03397	-0.07143	-0.10928
-0.05233	0.10247	-0.04992	-0.04992	-0.08103	-0.04104	-0.04104
0.07238	-0.03075	-0.05329	0.08375	0.08421	0.05889	0.1412
0.00999	-0.00541	-0.07831	-0.01788	-0.01419	-0.01788	0.08426
0.10541	-0.15511	-0.08916	-0.20007	-0.09546	-0.20007	-0.20007
-0.06013	-0.07426	0.02917	-0.0347	0.05381	-0.02375	0.07357
-0.10168	-0.087	-0.02129	-0.02129	-0.01686	-0.05224	-0.01906
0.13263	0.02374	0.06382	0.2189	-0.0554	0.07459	0.2189
-0.03008	0.11229	-0.03474	-0.04094	-0.03178	-0.04094	-0.04094

0.02387	-0.00236	0.04656	-0.00236	-0.00188	-0.00236	-0.00236
0.03375	0.0633	-0.14654	0.0633	-0.05208	-0.07076	-0.07076
0.06683	-0.18962	-0.05204	-0.05204	-0.03972	-0.05204	-0.05204
0.05121	-0.04828	0.01708	0.12516	0.07893	-0.13997	0.12516
-0.13747	0.13719	-0.05114	-0.05589	-0.04238	-0.05589	-0.11036
-0.02317	0.26798	0.15814	-0.04173	-0.06984	-0.10329	-0.10329
-0.23827	0.10172	-0.10597	-0.03018	-0.04254	-0.03018	-0.03018
0.20535	0.06089	-0.03567	-0.03567	-0.02787	-0.03567	0.0777
-0.07914	0.05388	0.19827	0.05388	0.04099	-0.05405	0.05388
-0.10695	0.07421	0.10771	-0.1253	-0.07898	-0.1253	-0.04767
-0.00108	-0.01458	0.01248	0.10529	-0.0273	-0.03753	-0.18612
0.08656	0.04723	0.08894	0.1107	0.07317	0.1107	0.1107
-0.04552	0.00533	-0.00129	-0.21556	-0.09689	0.03441	-0.21556
-0.01324	0.03296	0.0568	0.00923	-0.05428	-0.02658	-0.07435
0.0477	0.10362	-0.02762	0.03516	0.02749	0.03516	0.03516
-0.33301	-0.08155	-0.12252	0.04941	0.03788	0.00207	0.07926
-0.08111	-0.00495	-0.00842	-0.06464	-0.09592	-0.06464	-0.06464
0.11542	0.22953	-0.08513	0.15976	0.08899	-0.22093	-0.10189
-0.08533	0.11716	-0.01459	-0.03172	-0.02489	-0.03172	-0.18916
0.07277	0.07371	0.00544	0.15094	-0.06172	-0.08728	-0.00424
0.0978	0.02346	0.02137	0.08923	0.06278	0.08923	0.08923
0.03223	-0.11863	0.15502	0.04566	0.0352	0.09628	-0.13341
-0.04417	-0.14603	-0.16718	0.00512	0.06674	0.00512	0.00512
-0.11629	-0.26463	0.07985	0.07985	0.05754	0.07985	0.07985
-0.0058	-0.01299	0.16953	-0.05196	-0.03967	-0.01754	-0.05196
0.02005	0.03933	-0.0769	-0.00256	-0.00204	0.1313	-0.00256
0.00446	-0.04872	0.04063	0.06769	0.05015	0.06769	0.06769
0.17722	-0.06415	0.03553	0.00629	0.00502	-0.10322	0.00629
-0.05741	0.12826	-0.05333	0.15668	0.08828	0.15668	0.15668
0.06264	-0.13888	0.10838	-0.13888	-0.08351	-0.13888	-0.13888
-0.03826	-0.0364	0.07546	0.07239	0.05309	0.07239	0.22023
-0.15803	0.05456	-0.12923	0.13554	-0.03482	0.01947	0.11885
0.14243	-0.10104	-0.03858	-0.09348	-0.06501	-0.09348	-0.09348
0.04039	0.08398	0.02692	-0.10485	-0.07056	-0.10485	-0.10485
-0.00016	-0.1189	0.09971	-0.04227	-0.09534	-0.19903	-0.10457
-0.04139	0.22321	0.1327	-0.06874	0.09213	-0.01436	-0.06874
0.00243	0.11638	0.02084	-0.08374	-0.05976	0.04178	-0.08374
0.13356	0.04931	-0.04713	0.11662	-0.02719	-0.03477	-0.03477
-0.05742	-0.03454	0.06404	0.1019	0.06918	0.1019	0.1019
0.09312	-0.00214	0.03971	-0.00214	-0.00171	-0.00214	-0.00214
0.06142	0.13068	-0.03644	-0.03578	-0.06738	0.06449	0.02432
-0.02831	-0.07182	-0.06921	0.00968	0.00771	-0.14811	0.00968
-0.0706	0.09379	0.23835	-0.07343	-0.05372	0.07809	-0.07343
-0.11382	-0.04026	0.12265	-0.06035	-0.04538	-0.06035	-0.06035
0.03608	-0.15382	-0.01418	0.03608	0.03665	0.03608	-0.15372
0.04122	0.00059	-0.12356	0.04122	0.03198	0.04122	-0.04105
0.01613	0.03128	0.07591	0.07591	-0.0351	0.04536	0.04536
-0.13848	-0.0145	0.01086	-0.0145	-0.01153	-0.17118	0.04392
-0.08704	-0.09441	-0.0668	0.09057	0.06349	0.00525	0.09057
0.03841	0.024	-0.08611	-0.02836	0.05539	-0.02836	0.14456
0.21422	-0.08212	-0.19077	-0.08212	0.07141	0.10672	0.10672
0.12666	-0.23953	-0.14564	-0.23953	-0.08587	-0.23953	-0.23953
-0.22974	-0.13465	0.07128	-0.13465	-0.08218	-0.13465	-0.13465
0.0872	0.03558	0.06239	-0.00082	-0.09121	-0.00082	-0.00082
-0.06412	0.09244	-0.10203	0.07259	0.05321	0.07259	0.07259

0.02287	-0.01297	-0.04429	-0.04934	0.003	-0.04934	-0.01436
0.06185	-0.04188	0.15809	0.06527	0.04861	0.06527	0.00234
-0.02788	-0.00398	0.08362	0.19901	-0.08115	0.19901	0.19901
0.00617	0.04762	0.12352	-0.02537	0.08238	-0.02537	-0.02537
0.08333	-0.21052	0.10034	-0.01775	0.05468	0.07502	0.07502
0.15368	0.1637	0.01732	-0.01306	-0.01301	-0.01306	0.09221
-0.06835	0.23454	0.19151	0.19151	-0.06659	-0.09659	-0.09659
0.12718	-0.0873	-0.11888	-0.13578	0.04998	0.06742	0.06742
0.01959	-0.13298	-0.1491	0.09193	-0.04874	0.08876	0.09193
-0.1394	-0.06352	0.04641	0.12189	0.07771	0.18643	0.12189
0.04448	0.0648	-0.02711	-0.03436	-0.0004	0.12846	-0.03436
-0.01738	0.07754	0.0328	0.0328	0.04415	0.0328	0.0328
0.1708	-0.03357	-0.0574	0.06769	0.05015	0.06769	-0.03573
-0.04544	0.00328	-0.17387	0.04675	0.03598	0.04675	0.03763
-0.11076	-0.11588	-0.07207	-0.05493	-0.04172	-0.05493	-0.05493
-0.20861	-0.08326	0.0092	-0.03012	0.0218	-0.03012	-0.03012
-0.01199	0.015	-0.01219	0.02209	-0.02355	-0.02995	-0.02995
-0.10192	0.1096	-0.01525	0.04026	0.03128	0.04026	0.04026
0.0547	-0.09363	0.06973	0.0547	0.04156	0.0547	0.14842
-0.03905	0.0422	0.08521	0.04227	-0.01744	0.10954	-0.03997
-0.02027	0.16458	-0.07974	-0.10247	-0.06945	0.05919	-0.10247
0.13822	-0.03833	-0.1442	0.09045	0.06343	0.09045	0.09045
-0.10033	-0.04189	0.01889	0.04875	0.03741	0.04875	0.07091
0.07351	-0.0072	-0.10201	0.07446	0.05435	0.07446	0.07446
0.12633	-0.0211	0.12633	0.12633	0.02655	0.03392	0.03392
-0.22006	-0.20414	-0.22006	-0.22006	-0.09722	-0.22006	0.03589
0.08631	0.0241	0.15858	-0.12773	-0.01742	-0.00214	-0.02717
-0.13656	-0.16203	-0.04281	0.12895	0.08028	0.12895	0.12895
-0.07271	0.00107	-0.12476	-0.08845	-0.00901	0.08062	-0.01131
-0.24575	0.02832	-0.06634	-0.10249	-0.06946	0.23344	-0.10249
-0.05686	0.15292	0.21544	-0.11088	-0.07325	-0.11088	-0.11088
0.03758	0.06827	-0.01391	0.09028	0.06333	0.09028	0.09028
0.00216	-0.11532	0.01106	0.02301	0.03994	0.02301	-0.12619
0.06618	0.06221	0.05372	0.19674	0.09509	0.19674	-0.24379
0.16684	-0.07076	-0.20377	0.16684	0.07335	0.11111	0.11111
-0.02644	0.12212	0.04696	0.00923	0.05661	0.15151	0.15151
0.11994	0.0987	0.03646	0.05631	-0.07417	-0.03485	0.05631
0.01518	-0.06692	-0.03496	-0.04104	-0.03185	-0.0553	-0.04104
0.328	0.03052	-0.14275	0.03052	0.06348	0.02472	0.03052
-0.04755	-0.17433	-0.08499	-0.01788	-0.03333	-0.01788	-0.01788
-0.08883	-0.12386	0.17561	0.01608	0.02858	0.01608	0.01608
0.13052	0.14142	0.09067	0.07357	0.05381	0.07357	0.0973
-0.14838	-0.13675	-0.13675	-0.13675	-0.08285	0.10897	-0.13675
0.05904	0.08585	0.08585	0.08585	0.01548	0.08585	0.08585
0.01994	0.11841	0.05608	0.07544	0.05494	0.07544	-0.11583
0.00527	0.04849	-0.19871	0.11245	0.07392	0.11245	0.11245
-0.11419	0.06681	-0.12696	-0.07076	0.0003	-0.17332	-0.07076
-0.00056	-0.01222	0.01121	-0.05204	-0.03972	-0.05204	-0.05204
-0.05362	0.0026	0.04998	0.12516	0.07893	0.12516	-0.06423
0.03142	0.20804	-0.03464	-0.15584	-0.04238	-0.05589	-0.05589
0.1234	-0.10329	0.03289	-0.10329	-0.06984	-0.10329	-0.10329
0.03018	-0.08858	0.11164	0.03018	-0.02372	-0.03018	-0.03018
-0.03419	-0.07607	0.16145	-0.03846	-0.04262	0.08711	-0.03846
0.09615	0.0813	-0.07667	0.05388	0.03666	0.05388	0.05388
-0.07685	-0.02583	-0.05821	-0.1253	-0.07898	-0.03616	0.05836

0.07922	-0.0189	-0.01598	-0.03491	-0.0273	-0.03491	-0.03491
0.04043	-0.1588	-0.00957	0.1107	0.04891	0.1107	0.1107
-0.01574	0.0353	-0.03855	-0.21556	-0.09689	-0.05371	-0.21556
0.09904	0.15035	-0.1327	-0.07435	-0.05428	-0.00592	-0.07435
-0.10578	-0.03751	0.0361	0.04323	0.02749	0.03516	0.052
0.04941	-0.10406	-0.00959	0.04941	0.03788	0.04941	0.00594
0.16519	0.03366	-0.04833	-0.06464	-0.0482	-0.06464	-0.06464
-0.00579	0.15976	-0.1135	0.15976	0.08899	0.15976	0.15976
-0.0878	0.17773	-0.06022	-0.03172	-0.02489	0.04059	-0.03172
0.1463	-0.01293	0.06205	-0.08728	-0.06172	-0.17491	-0.08728
-0.03238	0.06125	-0.01574	0.06125	0.04598	0.06125	0.06125
-0.03982	-0.00448	0.01506	0.01752	0.01391	0.01752	-0.12034
0.06554	-0.17021	0.0828	-0.02131	-0.01688	0.19303	0.11996
0.07643	0.12692	-0.22994	0.07985	0.05754	0.07985	0.07985
-0.05728	-0.07491	-0.09272	-0.05196	-0.03967	-0.05196	-0.05196
0.00589	0.07424	0.14899	-0.00256	-0.00204	-0.11909	-0.00256
0.04175	0.06034	0.16759	0.18304	-0.06723	0.06769	0.06769
-0.15004	-0.05956	0.11918	0.00629	0.00502	0.00629	0.00629
-0.0739	0.00941	-0.04135	-0.10176	-0.06912	-0.10176	0.01362
0.03504	-0.08555	-0.02932	-0.13888	-0.08351	-0.13888	-0.13888
-0.02425	-0.04751	0.12837	-0.06336	-0.08974	0.07239	0.07239
0.02072	0.04496	-0.07142	0.09068	0.08247	-0.05849	0.13554
-0.16958	-0.13928	0.00705	-0.00434	-0.06501	-0.09348	-0.09348
0.0697	0.10132	-0.10113	-0.16418	-0.08994	-0.16418	-0.16418
-0.19903	-0.09944	0.04131	-0.19903	-0.09534	-0.08987	-0.0161
0.21575	0.20031	0.07575	-0.06874	-0.04268	0.01113	-0.06874
-0.07087	0.01146	0.00552	-0.08374	-0.05247	-0.08374	-0.08374
-0.02182	-0.03477	0.08603	-0.03477	-0.02719	-0.03477	-0.03477
-0.03753	-0.13029	0.11866	0.1019	0.06918	0.1019	0.1019
-0.22805	0.08129	-0.23197	0.02616	0.02064	-0.06703	-0.06908
-0.04377	-0.09819	-0.09819	-0.09819	-0.06054	0.0402	-0.09819
0.01721	-0.08334	-0.0537	0.00968	0.00771	-0.13004	0.00968
-0.11759	0.15367	-0.07343	-0.07343	-0.05372	-0.07343	-0.07343
-0.16059	-0.06035	0.02426	-0.06035	-0.08151	-0.06035	-0.04157
0.03608	-0.1201	0.02889	0.03608	0.02818	0.08918	0.03608
-0.01247	-0.19489	0.24968	0.04122	-0.09634	0.04122	0.04122
0.03213	-0.0365	0.13136	-0.07544	0.03508	0.06727	-0.2039
-0.0145	-0.02108	-0.02628	-0.0145	-0.01153	-0.0145	-0.0145
0.09057	0.06361	-0.00202	0.09057	0.06349	0.10998	0.09057
0.14008	0.03243	0.10535	0.1922	-0.01041	0.1922	0.1922
0.10672	-0.04432	-0.12714	0.10672	0.07141	0.10672	0.10672
0.00606	0.11062	-0.05063	-0.23953	-0.09834	0.13142	-0.23953
-0.05267	-0.00224	-0.16155	-0.13465	-0.08218	-0.13465	-0.13465
-0.16426	-0.03971	-0.00877	-0.00082	0.07666	0.09014	-0.00082
0.05679	-0.03833	0.07687	0.07259	0.05321	-0.03719	0.07362
0.03945	0.08803	-0.10634	-0.04934	-0.04216	-0.04934	-0.17843
-0.01296	0.06527	0.06527	0.06527	-0.06339	0.06527	0.06527
-0.06301	-0.14663	-0.01323	0.19901	-0.00183	0.19901	-0.09651
-0.07098	0.04922	-0.08779	0.01381	-0.02003	-0.02537	-0.02537
0.0278	-0.01318	-0.0574	0.07502	0.05468	0.07502	0.2185
-0.19353	-0.05642	0.13612	-0.01306	-0.01039	0.13521	-0.01306
-0.00225	0.10987	0.21379	-0.09659	0.05	-0.09659	-0.09659
-0.04371	0.00918	0.01384	0.01005	0.06817	0.0998	0.0998
-0.02784	0.18963	0.06305	0.09193	0.06421	0.09193	0.09193
-0.12403	0.12189	-0.07092	0.12189	0.07771	0.03719	0.12189



0.16765	-0.03436	0.00595	-0.03436	-0.02689	-0.03436	-0.03436
0.0328	-0.07841	-0.16877	0.0328	-0.02538	0.0328	0.0328
0.08047	-0.08831	0.03544	-0.08831	0.05015	0.06769	0.06769
0.08437	0.01945	-0.03709	0.10619	0.04828	0.06477	0.06477
-0.08688	0.02945	0.12432	-0.06525	0.03007	-0.05321	0.02137
0.16337	0.15366	-0.04481	-0.03012	-0.02368	0.10379	-0.03012
0.11781	0.05711	0.08503	-0.02995	-0.02355	-0.02995	-0.02995
0.00858	-0.14703	-0.14494	-0.14703	0.01144	-0.14703	-0.14703
0.0466	-0.02981	0.00256	0.0547	0.04156	0.0547	0.02994
-0.03981	-0.11876	0.04502	-0.02203	-0.01744	-0.02203	-0.02203
-0.03444	0.13036	-0.0064	-0.10247	-0.06945	0.07131	-0.06021
-0.11745	0.00354	-0.19036	0.03285	0.06343	0.09045	0.09045
-0.17757	-0.13284	0.01831	0.05203	0.03971	0.05203	0.05203
-0.15436	0.08511	0.06346	0.04812	0.05435	0.07446	0.07446
0.10727	-0.08006	0.24599	0.02143	0.02655	0.03392	-0.0245
-0.22006	0.02848	0.03379	-0.22006	-0.09722	-0.22006	-0.07663
-0.07318	0.05616	-0.02567	0.05616	-0.0797	0.05616	0.05616
-0.01174	-0.04518	-0.05966	0.05872	0.08028	0.12895	-0.03371
0.06477	-0.0658	-0.13246	-0.01131	-0.00901	-0.01131	-0.01131
-0.01503	-0.00234	-0.04483	-0.01503	0.02851	-0.08894	-0.08894
0.01878	0.05313	0.12274	-0.11088	-0.07325	-0.11088	-0.05012
0.16107	0.23575	0.137	-0.12864	0.04292	0.09028	0.09028
-0.01587	-0.06394	-0.01473	-0.06394	-0.04774	-0.06394	-0.06394
0.16642	-0.19756	-0.11372	0.19674	0.09509	0.19674	0.19674
0.07089	-0.02299	0.08284	0.11111	0.07335	0.11111	0.11111
0.00732	0.01457	0.09692	0.15151	0.08703	0.15151	0.15151
0.1014	0.03731	-0.09073	0.03731	0.02909	0.03731	0.03731
-0.09235	0.1106	-0.08091	0.01508	-0.00292	-0.06853	-0.10636
-0.17005	-0.03693	0.04997	0.03052	0.02398	0.21699	-0.10027
-0.03584	0.10814	0.01084	0.08117	-0.02312	-0.01788	0.0263
-0.09252	0.19708	-0.04993	0.12212	0.0778	0.12212	0.25423
0.02361	0.02721	-0.01803	0.02721	0.05381	0.07357	0.02125
0.0308	-0.07193	0.07499	-0.13675	0.00838	-0.01112	-0.08316
-0.06371	-0.01316	0.25219	0.09086	0.06364	0.09086	0.09086
-0.01672	0.08579	-0.27443	0.05846	0.04412	-0.06795	0.05846
0.00443	0.01134	0.09284	0.11245	0.07392	0.07812	0.11245
0.07796	-0.0491	0.01517	-0.12005	-0.07701	-0.12005	-0.01708
-0.0035	0.06822	-0.10159	-0.05204	-0.03972	-0.05204	0.11388
0.05901	0.02953	0.06214	0.03721	-0.05862	0.03721	-0.05244
-0.05589	-0.06568	0.11348	-0.05589	-0.04238	-0.05589	-0.05589
0.13802	-0.089	0.13379	-0.089	-0.06265	-0.089	-0.089
0.03949	-0.12501	-0.14226	-0.03018	-0.02372	-0.03018	-0.03018
-0.04385	-0.20133	0.03802	-0.03846	0.09293	0.01775	-0.03846
0.09435	0.14194	-0.03145	0.00881	0.00702	0.00881	0.00881
-0.15801	-0.0102	-0.10857	-0.15801	-0.07898	-0.1253	0.08522
-0.15969	-0.15858	-0.06205	0.04647	-0.08909	-0.16023	-0.16023
-0.08273	0.06567	-0.0103	0.1107	0.07317	0.06711	0.1107
-0.12505	-0.08905	-0.07135	-0.1809	-0.09689	-0.21556	-0.21556
0.01147	0.04264	-0.02314	-0.07435	-0.05428	-0.00167	-0.07435
0.10713	0.20331	0.04926	0.10226	0.02749	0.03516	0.03516
0.05117	-0.04565	-0.05724	0.04941	-0.08647	0.04941	0.04941
0.20027	-0.06635	0.02352	0.03604	0.03558	-0.13456	0.12688
0.03869	0.03783	-0.09414	0.04097	0.07357	0.00537	0.038
0.03466	-0.00258	0.02833	-0.03172	-0.02489	-0.03172	-0.03172
-0.08242	0.11601	0.00104	-0.08537	-0.06172	-0.03796	-0.08728

-0.0095	0.01964	0.1568	-0.03106	-0.07763	0.02323	0.06125
-0.05059	-0.10212	0.06993	-0.05059	0.00189	0.06018	0.00236
-0.11851	-0.07719	0.19112	-0.02131	0.06378	-0.11139	-0.02131
0.07985	0.05669	-0.16216	0.07985	-0.00929	-0.10029	0.07985
-0.02237	0.00603	-0.04782	0.15902	-0.02581	-0.05196	0.07875
-0.01456	0.07864	-0.00408	-0.00256	-0.00204	0.03408	-0.00256
0.05905	-0.11974	-0.07652	0.08209	0.05015	0.06769	0.06769
0.09033	0.10334	-0.0278	0.15014	0.08667	0.07262	-0.18393
-0.15028	-0.24656	0.09902	-0.10176	-0.03067	-0.0465	-0.10176
0.06936	0.12868	-0.1066	-0.07877	0.08703	-0.16501	-0.13888
0.07239	0.07239	0.07239	0.07239	0.04326	0.14909	-0.10604
0.01437	-0.02486	0.05796	0.13554	0.08247	0.13554	0.02299
-0.03475	-0.14236	0.11767	-0.09348	-0.06501	-0.09348	-0.09037
0.03443	-0.1564	0.0432	-0.16418	-0.08994	-0.16418	0.04524
-0.1445	0.08508	0.06795	-0.19903	0.0058	0.06021	-0.19903
0.08377	0.04232	-0.07106	-0.06874	-0.05082	-0.06874	-0.06874
-0.08374	0.19856	-0.05579	-0.08374	-0.06602	-0.08374	-0.10812
-0.03987	-0.00863	0.29944	-0.03477	-0.02719	0.1474	-0.03477
-0.10613	-0.06114	-0.04339	0.10137	0.01937	0.1019	0.1019
0.10606	-0.04447	0.00938	0.02616	0.02064	0.02236	-0.18752
0.16781	-0.10079	-0.17992	-0.10829	0.06672	-0.01713	0.07544
-0.06806	0.01202	-0.13879	0.00968	0.00771	0.00968	0.00968
0.04083	-0.02838	-0.09347	-0.07343	0.0296	-0.07343	-0.07343
0.00519	0.06587	-0.01026	0.30108	0.09354	-0.01103	-0.05838
-0.0044	-0.23037	-0.08454	0.05369	-0.00455	-0.08581	-0.00797
-0.1016	-0.02288	0.01926	0.04122	0.03198	0.04122	-0.02153
0.04536	0.12465	-0.12021	0.04536	0.03499	0.04536	0.04536
-0.0145	0.14671	0.14334	-0.0145	0.03216	-0.0145	-0.0145
-0.2186	0.01354	-0.06496	-0.06496	0.06349	0.07927	0.05857
0.08998	0.03753	-0.0136	0.00019	0.09454	0.1922	0.1922
0.12907	0.07115	0.10672	0.10672	0.07141	0.10672	0.10672
0.0663	-0.07525	-0.19712	-0.19712	-0.09834	-0.23953	-0.23953
-0.01755	-0.12319	0.09619	-0.13465	-0.08218	-0.13465	-0.13465
0.15018	0.12037	0.03104	0.03677	-0.03904	0.02498	-0.08544
-0.12451	-0.12651	-0.12819	-0.08865	-0.06157	-0.17006	0.07259
0.02516	-0.01758	0.11201	-0.04934	-0.03782	-0.04934	-0.04934
0.06527	-0.05275	-0.01632	0.06527	0.04861	0.02534	0.06527
-0.06865	0.06827	-0.09121	-0.06865	-0.05076	-0.06865	-0.06865
-0.01161	0.19632	0.00305	-0.02537	-0.02003	-0.02537	-0.02537
0.10924	-0.00186	-0.0695	0.07502	0.05468	0.07502	0.07502
-0.01528	0.03477	-0.109	-0.01306	-0.01039	-0.01306	-0.01306
0.00863	0.08661	0.17028	-0.09659	-0.06659	-0.10463	-0.09659
0.07183	0.05714	0.13254	-0.12336	0.06817	0.0998	0.0998
-0.09399	-0.03666	0.0675	0.09193	0.06421	0.22581	0.09193
-0.05999	0.00373	0.02238	0.12189	-0.09006	0.12189	0.12189
-0.14551	0.04856	0.09476	0.06067	-0.02689	-0.03436	-0.03436
0.06677	-0.05145	-0.02667	0.0328	0.02571	0.0328	0.0328
-0.03056	-0.15974	0.0498	0.06769	0.05099	0.06769	0.06769
0.10326	0.02404	0.06059	-0.05249	0.03152	-0.02735	-0.02735
0.22413	-0.08581	-0.04525	-0.05493	-0.04172	0.06558	-0.05493
0.05205	0.21029	-0.25915	0.21029	-0.02368	-0.03012	-0.03312
0.03583	-0.0681	-0.06735	-0.02995	-0.02355	0.09877	-0.02995
-0.17416	0.14308	-0.0121	-0.14703	-0.08585	-0.09622	0.05065
0.0547	0.04913	0.06827	0.0547	0.04156	0.0547	-0.0937
0.13933	-0.20694	-0.06302	-0.02203	-0.01744	-0.02203	-0.02203

0.0818	0.06252	0.12527	-0.07747	-0.05615	0.08858	-0.07747
0.11446	-0.09913	-0.14176	0.09045	-0.0733	0.09045	-0.06306
-0.00319	0.10312	-0.0746	0.05203	0.03971	0.05203	-0.0812
-0.05222	-0.01046	0.02045	0.08958	0.03889	-0.04375	0.051
0.02944	0.13611	-0.01996	-0.04077	-0.03165	-0.04077	-0.04077
-0.08468	-0.13515	-0.03108	-0.22006	-0.09722	-0.22006	-0.0106
0.0603	-0.10839	-0.03927	0.05616	0.04256	-0.22766	0.05616
-0.05892	-0.03788	0.05178	-0.1567	0.01941	-0.1567	-0.1567
-0.07783	-0.06198	0.13399	-0.11845	0.04453	0.00592	-0.11845
-0.08894	-0.04579	-0.10216	-0.08894	-0.06262	-0.08894	-0.08894
0.00015	-0.02109	-0.11088	-0.11088	-0.07325	-0.11088	-0.11088
0.16972	-0.08197	0.14743	0.09028	-0.04614	0.09028	0.09028
0.1005	0.03532	-0.16518	-0.06394	-0.04774	0.05451	-0.06394
0.05175	0.03611	0.18262	0.03611	-0.03982	0.11268	0.02575
0.02428	0.19744	0.06538	0.07943	0.0573	0.07943	0.07943
-0.0362	0.00435	0.03176	0.06248	0.08703	0.15151	0.15151
-0.01976	0.10637	0.10197	-0.0672	0.02909	0.03731	0.0602
-0.14255	0.01707	-0.12061	0.01508	0.01199	0.20003	0.01508
-0.06467	0.11129	-0.01021	0.09046	0.02398	0.03052	-0.23943
-0.27977	0.16605	0.17018	0.2301	0.08529	0.2301	0.2301
0.10982	-0.01544	0.00443	0.12212	-0.08578	-0.03497	0.05711
0.03053	0.16033	-0.05906	0.07357	0.05381	0.0696	0.07357
0.09658	-0.11519	0.11574	-0.04935	-0.03783	-0.04935	-0.04935
-0.07763	0.09741	0.09086	0.09086	0.06364	0.09086	0.09086
0.17503	-0.08446	-0.06995	0.05846	0.03068	0.05846	-0.13648
-0.12768	-0.16269	0.09523	0.11245	-0.01061	0.01066	0.2645
0.02272	0.06359	0.0452	-0.12005	0.01614	-0.12005	-0.12005
-0.09307	-0.04577	-0.01355	0.14824	0.08618	0.16995	0.14824
-0.0085	0.07423	-0.0085	-0.0085	0.02902	0.03721	0.03721
-0.05589	-0.06602	-0.03192	-0.05589	-0.04238	-0.00921	-0.05589
0.08069	-0.02619	0.14685	0.02068	0.01639	0.02068	0.01276
-0.03692	-0.18206	0.02416	0.10411	0.07022	0.10411	0.10411
-0.14506	0.01729	-0.044	-0.02516	-0.02995	-0.03846	-0.03846
0.15352	0.00112	-0.09178	0.13634	0.00702	0.00881	-0.04033
0.00176	-0.08282	0.0676	0.03823	0.02978	-0.08719	-0.08375
-0.00642	0.03697	0.05745	-0.16023	-0.08909	0.01767	-0.16023
-0.04445	-0.00607	-0.10953	-0.07873	0.07317	0.1107	0.1107
0.0663	0.04624	0.03751	-0.21556	0.07107	-0.21556	-0.21556
-0.1368	0.09225	-0.1071	-0.07726	0.05973	-0.07435	-0.07435
-0.07876	-0.05246	0.07767	0.03516	-0.0511	-0.06966	0.03516
0.08546	0.07953	-0.01215	0.04941	0.03788	-0.02342	0.04941
0.058	-0.00708	0.01062	-0.06464	-0.07781	-0.06464	-0.06464
0.0003	-0.03032	0.19546	0.038	0.02961	0.038	0.038
-0.19847	0.00714	0.05179	-0.03172	-0.02489	-0.03172	-0.03172
0.03435	0.0213	-0.15001	0.03582	0.06762	0.09867	0.09867
0.11827	-0.1956	-0.0893	0.06597	0.01813	0.06125	0.06125
-0.09359	0.04825	0.10111	0.00236	-0.03865	0.00236	0.00236
0.12989	-0.04754	-0.02131	-0.02131	-0.01688	-0.02131	0.12522
-0.0543	-0.11511	0.14167	0.01936	0.01535	0.01936	0.01936
-0.11576	0.20983	0.02562	-0.05196	-0.03967	-0.05196	-0.05196
0.06884	-0.0876	0.12645	0.06884	0.05088	-0.01181	0.0521
-0.0495	0.12337	-0.18944	0.19473	0.09485	0.19473	0.19473
-0.15214	-0.07211	-0.01645	-0.15214	0.09099	0.15014	0.15014
0.19	-0.01601	-0.05913	-4.1E-05	-0.06912	-0.10176	-0.10176
0.04555	0.03818	0.05693	-0.13888	-0.08351	-0.13888	-0.02609

0.0677	0.15215	-0.0787	0.1497	0.08656	0.1497	0.1497
-0.00365	0.06636	-0.0362	-0.07169	-0.05266	-0.07169	0.13887
-0.02038	-0.14491	0.02214	-0.09348	-0.06501	-0.09348	-0.09348
-0.16418	0.15306	-0.04843	-0.16418	-0.01773	-0.16418	-0.00688
0.01543	0.0139	0.00128	-0.06397	-0.04776	-0.06397	-0.06397
-0.05916	-0.10848	-0.16787	-0.06874	-0.05082	-0.06874	-0.06874
-0.02657	0.02758	-0.13554	-0.08374	-0.05976	-0.08374	-0.08374
0.05298	-0.05716	-0.03477	-0.03477	-0.02719	-0.03477	-0.03477
0.18117	-0.20797	0.09346	0.1019	0.06918	0.06592	0.1019
-0.1369	0.2128	-0.05918	0.02616	0.02064	0.02616	0.06315
0.08575	0.0779	0.04297	0.14204	0.05494	0.08074	0.07544
-0.05028	-0.08259	0.01401	0.00968	0.00771	0.00968	0.00968
0.16269	0.00918	0.06656	-0.04437	-0.05372	-0.07343	-0.07343
0.00164	-0.15133	0.08242	0.07225	-0.04538	-0.06035	-0.06035
0.075	-0.09033	0.03485	-0.01899	-0.0767	-0.05509	0.00144
0.04371	0.09263	-0.01483	0.09575	0.03198	-0.13063	0.04122
0.10676	0.04666	0.04536	0.04536	0.03499	0.04536	0.04536
-0.00387	-0.04737	-0.0145	-0.0145	-0.01153	-0.07013	-0.0145
0.03809	0.06618	-0.03609	-0.03301	0.06349	0.09057	0.09057
-0.01972	0.03936	-0.00217	0.03936	0.09454	0.1922	0.1922
-0.103	-0.08992	-0.08985	-0.08992	0.07141	0.20913	0.02565
-0.06775	-0.00189	0.11191	-0.19319	-0.04133	0.09508	-0.07543
-0.20413	0.10715	-0.08306	-0.13465	-0.08218	-0.13465	-0.13465
-0.05323	-0.04862	0.15417	0.21249	0.09664	0.21249	0.21249
0.0385	0.07259	-0.00827	0.07259	0.07047	0.07259	0.07259
0.00245	0.01921	-0.0424	0.01462	-0.03782	-0.04934	-0.04934
-0.07776	0.13645	-0.15583	-0.15583	0.04861	0.01378	0.04753
0.12084	0.0291	0.00033	-0.06192	-0.05076	-0.06865	-0.06865
-0.04912	-0.02537	-0.09004	-0.02537	-0.02003	-0.02537	0.03018
0.07502	-0.00964	-0.18219	0.07502	0.05468	0.07502	0.07502
-0.06688	-0.09423	-0.15039	-0.01306	-0.01039	-0.02833	-0.01306
-0.02289	0.05718	0.11819	-0.09659	-0.06659	-0.09659	-0.09659
-0.14381	-0.06597	0.02322	0.0998	0.06817	0.0998	-0.02373
0.01872	-0.03421	0.19642	0.09193	0.06421	0.00619	-0.0038
0.05687	-0.12491	-0.06499	0.12189	0.00412	0.12189	0.11935
-0.03436	0.09196	-0.12286	-0.03436	-0.02689	-0.03436	-0.09825
-0.19994	-0.16472	-0.02282	0.0328	0.02571	0.0328	0.0328
0.18482	0.1684	-0.08416	0.06769	-0.09938	0.06769	0.06769
-0.12473	-0.15653	-0.02931	0.11536	-0.02156	-0.02735	-0.02735
0.04364	0.08252	0.06052	-0.05493	0.09577	-0.05493	-0.05493
-0.03565	0.04326	-0.026	-0.026	0.01443	-0.01184	0.01818
0.07924	-0.08083	0.04923	0.08666	0.07042	0.10454	0.15061
-0.00771	-0.02039	0.07387	-0.14703	-0.08585	-0.14703	-0.14703
-0.03141	0.0541	0.0768	0.00717	0.04288	0.12566	0.12566
0.02985	0.08386	0.12003	-0.02203	-0.01744	-0.02203	-0.02515
0.08147	0.03142	0.04292	-0.07747	-0.0061	-0.07747	-0.07747
0.00102	0.01145	0.06017	0.09045	0.06343	-0.06241	0.09045
-0.33276	0.04061	0.17865	0.05203	0.03971	0.05203	0.05203
-0.05664	-0.14711	-0.07459	0.07446	0.05435	0.07446	0.07446
0.14376	-0.06795	0.14764	-0.04077	-0.03165	-0.14113	0.12645
-0.14116	-0.0346	0.02479	-0.22006	-0.09722	-0.22006	-0.22006
0.01307	0.11032	0.00717	0.05616	0.04256	0.05616	0.05616
0.06211	-0.00307	-0.04974	-0.1567	-0.08829	-0.1567	-0.1567
-0.08986	-0.05543	-0.11665	-0.11845	0.06936	-0.11845	-0.11845
0.11242	0.0301	-0.00418	-0.08894	-0.06262	-0.08894	-0.08894

0.03854	-0.10735	-0.06658	-0.08139	-0.07325	-0.11088	-0.11088
0.19584	0.09028	0.02883	0.09028	0.06333	0.09028	0.13299
-0.02298	-0.06394	-0.01414	-0.06394	-0.04774	0.05751	-0.06394
-0.00672	0.01946	-0.17629	0.02575	0.02032	0.02575	0.01282
-0.12602	0.18654	-0.03586	0.07943	0.0573	0.07943	0.07943
-0.03889	0.15151	0.15151	0.15151	0.08703	0.15151	0.15151
0.10064	-0.05159	-0.10146	-0.1391	0.02909	0.19118	0.04904
-0.08081	0.13308	-0.16097	0.01508	0.02273	-0.02368	0.01508
-0.10936	0.00353	-0.07221	0.03052	-0.05801	0.03052	0.03052
0.06912	0.05391	-0.18331	0.2301	0.00357	0.2301	0.01463
-0.06727	-0.06727	-0.11288	0.12212	0.0778	0.12212	0.12212
-0.08478	0.02796	0.06167	0.04533	0.05381	0.07357	0.07357
-0.02102	-0.04935	0.03375	-0.04935	-0.03783	0.13623	-0.04935
0.09449	0.02393	-0.007	0.09086	0.06364	0.09086	0.28226
0.09849	0.09064	0.00458	0.09849	0.06753	0.10967	-0.01561
-0.07674	-0.10557	-0.09084	0.11245	-0.00594	0.11245	0.11245
0.24524	-0.14283	0.03856	-0.12005	-0.0973	-0.12005	-0.00091
0.00343	0.04457	-0.03612	0.14824	0.03928	0.08428	0.14824
0.03111	-0.10071	-0.06546	0.03721	0.02902	-0.15701	0.10766
0.02205	-0.00037	0.13693	-0.05589	-0.04238	-0.05589	-0.19397
-0.17304	0.02068	0.1169	0.02068	-0.04771	-0.00513	0.02068
-0.03667	-0.17291	-0.01835	-0.06678	-0.04957	-0.03689	-0.06678
-0.05963	0.19579	0.01805	-0.03846	-0.02995	-0.03846	0.02736
0.06439	0.13317	-0.14969	0.13963	0.08374	0.06324	0.13963
-0.00888	0.11138	0.07401	0.03823	0.02234	0.22545	0.15032
0.12995	-0.16023	-0.0412	-0.16023	-0.08909	-0.06041	-0.16023
-0.13695	0.07454	0.17166	0.14494	-0.09699	-0.0198	-0.03859
0.04874	-0.01782	0.0853	-0.21556	-0.09689	-0.04364	0.08853
0.00336	-0.10874	0.05459	-0.07435	-0.05428	-0.07435	-0.07435
-0.11755	0.04318	0.09183	0.05117	0.03911	-0.01555	0.05117
-0.04627	0.04941	-0.03756	0.04941	-0.0221	0.04941	0.04941
0.05073	-0.06158	0.07449	0.07078	-0.0482	-0.06464	-0.06464
0.0585	0.05281	0.038	0.038	0.02961	0.038	0.038
-0.09338	0.1442	-0.03172	-0.03172	-0.04869	-0.03172	0.10913
-0.19023	0.20372	0.00494	0.09867	0.06762	0.0118	-0.08853
0.0285	-0.01095	-0.0798	0.06125	0.04598	0.06125	0.06125
0.01493	0.00053	0.2166	0.01157	0.00921	0.13116	0.01157
-0.05961	0.06904	0.03396	-0.02131	-0.01688	-0.00343	-0.02131
-0.07545	-0.14413	-0.12712	0.09065	-0.00874	0.01936	0.01936
0.21387	-0.18777	-0.01508	-0.1077	-0.07185	-0.1077	-0.1077
-0.0232	-0.03529	-0.09518	-0.08279	0.05088	0.06884	-0.15705
-0.12872	-0.07884	-0.15415	-0.15415	-0.08768	-0.15415	-0.15415
0.089	0.03715	-0.00423	0.15014	0.08667	0.15014	0.15014
-0.03194	0.06133	-0.16933	0.06133	0.04603	-0.051	0.06133
0.11204	0.08969	-0.16228	-0.13888	0.04659	-0.13888	-0.13888
0.13248	0.1497	0.03937	0.1497	0.08656	-0.12497	0.1497
-0.00846	0.11723	0.10655	-0.07169	-0.05266	-0.07169	-0.07169
0.07546	-0.09654	0.01621	-0.03746	-0.09189	-0.09348	0.03239
-0.03704	0.01241	-0.16727	-0.16418	-0.08994	-0.16418	-0.16418
0.20403	-0.10601	0.06043	0.04932	-0.04776	-0.06397	0.11792
-0.00266	-0.15138	-0.03036	-0.06874	-0.05082	-0.06874	-0.06874
0.00765	-0.07837	-0.00013	-0.08374	-0.05976	-0.08374	-0.08374
-0.07775	-0.0408	0.14373	-0.03477	0.00042	-0.03477	-0.03477
-0.04063	0.03256	0.31574	0.1019	-0.06329	0.1019	0.1019
0.02959	-0.18197	-0.05014	0.02616	0.02064	0.02616	0.02616

0.22102	-0.01945	0.09633	0.22102	0.07029	0.079	0.07544
0.13056	-0.03375	0.06932	0.00968	0.00771	0.12652	-0.19063
-0.0226	-0.01622	-0.09572	-0.01622	-0.05372	-0.07343	-0.07343
-0.08806	0.09	-0.12086	-0.00734	-0.0847	-0.00734	0.0238
0.01876	0.07376	0.04448	0.07741	-0.01506	-0.03741	-0.01899
-0.18996	0.18861	0.03517	0.04122	0.03198	0.04122	0.04122
0.04536	0.06041	0.0039	0.04536	-0.04645	-0.08436	0.04536
0.0025	0.04296	0.01352	0.0025	-0.01153	0.13196	-0.0145
-0.10676	-0.0641	0.12326	0.09057	0.06349	0.09057	0.09057
0.10503	-0.10238	-0.01605	0.0203	0.06763	-0.0459	-0.0459
-0.14842	0.11131	-0.05526	0.00485	-0.01534	0.20303	0.00485
0.07152	0.01419	-0.15061	-0.19319	0.01326	-0.19319	-0.19319
0.0984	0.13381	-0.05957	-0.10673	-0.08218	0.02174	-0.13465
0.12674	0.04106	-0.04534	0.05862	-0.02482	0.07301	-0.09049
0.15173	0.07591	-0.16775	0.07259	0.05321	0.07259	0.07259
-0.1358	0.03509	0.1159	0.18599	0.005	-0.04934	-0.04934
-0.03038	-0.09477	-0.11387	0.07667	0.05567	0.07667	0.07667
-0.02582	0.31988	0.04719	-0.02582	-0.02038	0.10269	0.00346
-0.01236	-0.00698	0.19302	-0.03352	0.06355	-0.02537	-0.02537
-0.09946	0.0151	0.09576	0.10574	0.05468	-0.17847	0.07502
-0.02337	-0.07991	-0.02337	-0.02337	-0.04449	-0.01306	-0.01306
0.08114	-0.0216	-0.08506	0.13346	0.0818	0.13346	0.03376
-0.07293	0.09349	-0.02657	-0.11348	-0.07435	-0.11348	-0.11348
-0.1202	-0.07174	0.01569	-0.07174	0.06421	0.09193	0.09193
0.03514	0.14062	0.12189	0.12189	0.07771	0.12189	0.12189
0.09076	-0.02941	-0.06699	0.14631	-0.08535	-0.07347	-0.02135
-0.04786	0.00889	-0.00445	0.0328	0.0468	0.0328	0.0328
0.04353	-0.10623	0.07886	0.06769	0.05015	-0.00963	0.06769
0.01149	-0.23956	0.03557	0.09722	-0.02156	-0.02735	-0.02735
0.05981	0.11971	-0.13999	-0.05493	-0.04172	-0.05493	-0.05493
-0.06217	-0.15214	0.00355	0.01818	0.01443	-0.01306	0.01818
0.10454	-0.05712	0.13716	0.10454	0.07042	-0.09274	0.10454
-0.18817	-0.03891	-0.01959	-0.14703	-0.08585	-0.03506	-0.14703
0.1256	-0.01885	-0.01028	0.12566	0.07911	0.12566	-0.06437
0.08743	0.13026	-0.15361	-0.20581	-0.09604	-0.20581	0.06174
-0.08947	0.03273	-0.10969	-0.1637	0.01494	0.0706	0.0706
-0.07725	0.07571	0.13323	0.09045	0.06343	0.09045	-0.1328
0.03793	0.1124	0.05601	-0.22489	0.03971	-0.06508	0.05203
0.0126	-0.20166	0.01959	-0.02461	-0.01944	-0.02461	-0.00989
0.00695	0.05451	0.11084	-0.04077	-0.06662	-0.04077	-0.04077
-0.01854	-0.16167	0.04307	-0.07877	-0.09722	-0.22006	0.03129
0.21326	-0.09193	0.03116	0.05616	0.00211	0.05616	0.09246
-0.15058	0.00224	0.00749	0.00448	0.00358	0.00448	0.00448
-0.00357	-0.00357	-0.17435	-0.00357	-0.07638	0.11078	-0.11845
-0.04773	-0.11149	-0.09075	-0.08894	-0.06262	-0.08894	-0.07897
-0.23921	0.02514	-0.02857	-0.11088	-0.07325	-0.11088	0.05008
0.05923	0.29366	-0.04801	0.09028	0.06333	0.09028	0.09028
0.15575	-0.00593	0.10146	-0.01678	-0.02189	-0.06394	-0.06394
-0.03011	0.02575	-0.06757	0.02575	0.02032	-0.15563	0.02575
-0.10087	-0.05374	-0.10087	-0.10087	0.0573	0.02011	0.18022
-0.10574	-0.07124	0.06824	0.15151	0.03034	0.15151	0.15151
0.0428	-0.03765	-0.01308	0.03731	0.02909	0.13039	0.03731
0.0803	0.04132	0.21371	0.17653	0.01199	0.02847	0.01508
0.03052	-0.06833	0.10322	0.03052	0.02398	0.03052	0.03052
-0.04	0.14551	0.05206	0.2301	0.09786	0.2301	0.2301

-0.06279	0.02037	-0.09052	0.12212	0.0778	0.12212	0.12212
0.13969	0.15528	-0.07157	0.07357	0.0343	0.07357	0.07357
0.09729	0.00512	-0.06349	0.09729	0.06694	-0.08731	0.09729
0.08187	-0.00518	0.14196	0.07287	0.05338	0.07287	0.12379
0.09849	0.18064	0.02396	0.09849	0.06753	0.09849	0.09588
0.05161	0.08706	-0.04349	-0.19713	-0.07629	0.01459	-0.11822
0.18936	-0.11103	0.06659	-0.12005	-0.07701	-0.12005	-0.006
-0.24946	0.14824	-0.11813	0.14824	-0.07226	0.14824	0.14824
0.09357	-0.09695	0.11981	0.03721	-0.08912	0.03721	0.03721
0.00301	0.1042	-0.20496	0.09639	-0.04238	-0.05589	-0.05589
-0.00012	0.04585	0.06936	-0.13733	0.09398	0.18797	0.18797
-0.0214	-0.02667	-0.01954	-0.06678	-0.04957	-0.05123	-0.06678
0.03802	-0.15483	-0.1586	-0.03846	-0.02995	-0.03846	0.06669
0.01756	0.0614	-0.02605	0.12677	0.08374	0.13963	-0.16475
-0.11326	-0.01904	0.1696	-0.12201	0.02978	0.03823	0.03823
0.12799	0.08254	0.0371	-0.16023	-0.06557	0.00731	-0.16023
-0.03016	-0.18713	-0.0125	-0.15925	-0.08887	-0.15925	-0.15925
-0.21556	0.02743	0.00689	-0.21556	-0.09689	-0.21556	-0.02938
0.11589	0.00631	0.12533	0.11589	0.00939	0.01179	0.01179
-0.03327	-0.06848	0.00112	0.05117	-0.08355	-0.11303	0.05117
-0.06565	0.05627	0.04676	0.04941	0.03788	0.04941	0.04941
0.17145	0.09323	-0.05402	-0.06464	-0.0482	0.14319	-0.06464
0.04793	0.11825	-0.08025	0.25365	0.02961	0.038	0.04843
-0.09596	-0.09415	0.0301	-0.10957	-0.01739	0.08258	-0.01464
-0.12647	0.07198	0.08276	0.09867	-0.05545	0.04457	-0.18354
-0.07726	-0.00836	0.16234	0.06125	0.04598	0.06125	0.06125
0.07518	0.17542	0.19179	0.01157	-0.04171	0.01157	0.07607
0.02553	0.15742	-0.0108	0.08291	0.02971	-0.09317	-0.02131
-0.2187	-0.16136	0.0997	0.01936	0.01535	-0.05353	0.01936
0.14943	-0.01535	-0.03732	-0.1077	-0.07185	-0.1077	0.20218
-0.01153	-0.02563	-0.21539	-0.06436	-0.04802	-0.06436	-0.06436
-0.15415	0.05175	0.0152	-0.15415	0.01204	-0.15415	-0.14065
-0.13104	0.03659	-0.11479	0.15014	0.08667	0.15014	0.13578
-0.03949	-0.1063	-0.15584	0.06133	0.04603	0.03017	0.06133
0.06609	-0.1682	-0.09834	-0.13888	-0.08351	-0.13888	-0.13888
-0.01322	-0.05475	-0.03969	0.1497	0.08656	0.22158	-0.05647
0.02159	-0.05083	0.06272	-0.07169	-0.05266	-0.07169	-0.07169
0.00806	0.01723	-0.01921	-0.09348	-0.06501	-0.09348	-0.08278
0.26221	0.02077	0.03395	-0.16418	-0.08994	-0.16418	-0.16418
-0.00333	-0.10245	-0.05822	-0.06397	-0.0003	-0.06397	0.08573
-0.11638	-0.02522	-0.01321	-0.06874	-0.05082	-0.00812	0.05014
0.10071	-0.03834	-0.03781	-0.08374	0.04887	-0.02348	-0.09292
0.02235	0.047	-0.1341	0.015	-0.02719	0.00263	-0.03477
0.04084	0.03571	0.09508	0.1019	0.06918	-0.0492	-0.06735
0.00083	0.00227	-0.09638	0.02616	0.02064	0.02616	0.02616
0.03225	-0.07136	0.1447	-0.23842	0.03244	0.13851	0.03448
0.10473	0.06595	0.02081	0.11129	0.07343	0.11129	-0.11439
-0.03191	0.17917	-0.21077	-0.07343	0.05941	0.0721	-0.01588
0.1502	-0.05172	0.06969	-0.0308	-0.02419	0.16821	-0.0308
0.07885	-0.16022	0.11393	-0.01899	-0.01506	-0.01899	-0.01899
-0.09249	0.11528	0.04433	0.04122	0.03198	-0.05923	-0.03816
-0.05189	0.07769	0.00384	0.07769	0.05628	0.09496	0.07769
-0.05855	0.1309	-0.04961	-0.0145	-0.01153	-0.0145	-0.0145
-0.16899	0.09057	-0.07674	0.09057	0.06349	0.09057	0.09057
-0.15384	0.07876	0.21607	-0.0459	-0.03537	-0.0459	-0.0459

-0.02302	0.08688	-0.10489	0.00485	0.00387	-0.16177	0.05846
-0.07763	-0.11787	-0.00629	0.00084	-0.09466	-0.19319	-0.04851
0.063	-0.05492	0.05798	-0.16325	-0.08218	-0.13465	-0.12854
-0.13096	0.18777	0.1331	0.05862	0.04422	0.00867	0.05862
0.18732	-0.11458	-0.0097	0.04616	0.03556	-0.08074	0.04616
0.14605	-0.01868	-0.14104	-0.04934	-0.03782	-0.04934	-0.11727
-0.00211	0.05558	-0.0625	0.07667	0.05567	-0.0217	0.07667
0.11459	0.08637	-0.16713	-0.02582	-0.02038	0.1411	-0.02582
-0.06843	-0.06435	-0.03068	0.01868	-0.02003	-0.02537	-0.02537
0.06697	0.04738	-0.09489	0.10105	0.05468	0.07896	0.07502
-0.01306	0.01427	-0.04508	-0.01306	-0.02209	-0.01306	-0.01306
0.06751	0.15224	0.03522	0.13346	0.0818	-0.05328	0.13346
0.02664	-0.07804	0.0674	-0.11348	-0.07435	-0.11348	-0.11348
0.10181	7.2E-05	-0.07515	-0.06639	0.06421	0.09193	0.09193
-0.09382	-0.0477	-0.01443	0.12189	0.07771	0.12189	0.12189
0.04312	0.03656	-0.11936	-0.06836	-0.02689	-0.03436	-0.03436
-0.03366	-0.1466	0.17358	0.0328	0.02571	0.0328	0.0328
0.02531	-0.0306	0.04335	0.02531	0.04577	0.02531	0.02531
-0.18719	-0.17287	0.07444	-0.02735	-0.02156	-0.02735	-0.02735
0.00602	-0.01187	0.11184	0.11184	-0.03729	0.12824	0.12824
-0.01322	0.08125	0.09998	0.01818	-0.07636	-0.13448	0.15357
0.01659	-0.10058	0.00018	-0.01199	0.07042	0.10454	0.10454
-0.06687	0.1147	0.10681	-0.14703	-0.08585	-0.14703	0.07224
0.12303	-0.0664	-0.0583	0.12566	0.07911	0.12566	0.12566
-0.04799	-0.01635	-0.09211	0.02202	-0.09604	-0.01294	-0.20581
0.13999	0.01226	0.04572	0.0706	0.03146	0.0706	0.0706
-0.12733	0.05427	-0.00938	0.09045	-0.09501	0.18054	-0.02605
-0.11971	0.23925	-0.03526	0.04291	0.03971	0.05203	0.05203
0.00389	0.0808	0.02032	0.07747	-0.07272	-0.02461	-0.02461
0.02631	-0.03826	0.02789	-0.00232	-0.03165	0.08768	-0.07729
0.06244	0.09181	0.09698	0.14814	-0.09722	-0.22006	-0.13431
0.01786	0.10586	0.02493	0.05616	0.04256	0.05616	0.10872
0.18149	0.00448	0.00233	0.00448	0.00358	0.00448	0.00448
-0.2014	-0.08272	-0.22817	-0.11845	-0.07638	-0.11845	-0.11845
-0.0046	-0.09125	-0.07119	-0.08894	-0.06262	-0.08894	-0.08894
-0.02463	-0.04032	0.14305	-0.11088	-0.07325	-0.11088	-0.11088
0.04466	-0.00512	-0.04125	-0.04125	0.06333	0.09028	-0.2055
0.09056	-0.28254	0.19331	-0.06394	0.09021	-0.06394	-0.06394
0.02575	0.03488	-0.04539	0.02575	0.05032	0.02575	0.02575
-0.1601	0.02135	0.07478	0.07478	-0.06747	0.07478	0.07478
-0.09783	0.14594	0.07051	0.15151	-0.00354	0.15151	0.15151
-0.07298	-0.16235	0.05355	-0.03482	-0.04636	0.03731	0.03731
-0.05292	-0.10686	-0.15162	0.01508	0.01199	0.07372	0.01508
0.07798	0.09656	-0.10473	0.11815	0.05916	-0.10803	-0.0818
-0.03778	-0.00496	0.00575	-0.07578	-0.05954	0.2301	0.2301
0.02545	0.03784	-0.16292	0.12212	0.03353	0.12369	0.12212
0.06592	0.04055	0.10923	0.07357	0.05381	0.07357	0.08318
0.09293	0.06283	0.07496	0.01276	0.02964	0.03805	0.03233
0.01551	0.01567	0.06481	-0.00223	0.00298	-0.12496	-0.18889
-0.06098	-0.06384	-0.22571	0.09849	0.06753	0.05213	0.1425
-0.03907	0.22233	0.19862	-0.11822	-0.07629	-0.11822	-0.11822
-0.16778	-0.09971	-0.09638	-0.14715	0.01995	0.02527	0.00625
0.0577	-0.10552	0.0879	0.0577	-0.00018	0.1391	0.09076
-0.06995	-0.21343	-0.0779	-0.21343	-0.09672	0.13778	-0.21343
-0.14737	-0.16649	-0.06359	-0.05589	-0.04238	-0.07935	-0.05589



-0.10704	-0.13642	0.01649	0.18797	0.09398	0.18797	-0.11375
0.12811	-0.01527	0.03381	-0.04734	0.05306	-0.01105	-0.04644
-0.01222	-0.03243	0.16363	-0.06098	0.02662	-0.03846	-0.03846
-0.09938	0.11445	-0.01463	0.13963	0.08374	0.00865	0.13963
-0.01492	-0.07248	-0.03149	0.03823	0.02978	0.03823	0.03823
0.04634	-0.05039	0.04273	0.10145	0.06682	0.00823	0.00823
0.01009	0.13142	-0.05223	-0.01776	-0.01409	-0.01776	-0.01776
0.13833	0.06749	-0.00099	-0.21556	-0.09689	-0.21556	-0.21556
-0.0955	-0.1235	0.13471	0.01179	0.00939	0.02709	0.01179
-0.00019	0.05117	-0.00268	0.05117	0.03911	0.05117	0.04125
0.06931	0.14438	-0.14872	0.00286	0.00228	0.00286	0.01203
0.00946	0.06653	0.09623	-0.06683	-0.05889	-0.06464	-0.06464
-0.06089	-0.06829	0.10554	-0.11346	0.03304	0.038	0.07307
-0.14953	0.02006	-0.10056	-0.03172	-0.02489	-0.03172	0.12232
0.05307	-0.06726	-0.20154	0.09867	0.06762	0.09867	0.05447
0.06125	0.06125	0.01737	0.06125	0.04598	0.06125	-0.02756
-0.03908	0.10238	0.16625	0.02751	-0.06402	-0.09158	-0.09158
-0.02131	-0.02131	-0.06618	-0.02131	-0.01688	-0.02131	-0.02131
-0.0287	0.02621	0.01173	0.01936	0.01535	0.01936	0.01936
0.09949	-0.00241	0.06318	-0.1077	-0.07185	-0.1077	-0.1077
-0.02157	-0.15497	-0.08405	0.40854	0.06657	0.05915	-0.16444
0.10647	0.12222	-0.12597	-0.15415	-0.08768	-0.05476	-0.15415
0.01096	0.01096	-0.04653	0.01096	0.08712	-0.08366	-0.12586
0.0218	-0.19235	-0.01468	0.06133	0.04603	0.06133	0.06133
0.04066	0.00165	-0.03785	-0.11331	0.02604	-0.11331	-0.11331
-0.11733	0.19272	0.04583	-0.1874	0.08656	-0.00374	0.1497
0.23107	-0.01327	0.03207	0.11485	-0.03081	-0.03963	-0.03963
-0.32116	-0.04076	0.07023	-0.09348	-0.06501	0.16791	-0.09348
0.04864	0.20157	-0.05432	-0.07745	-0.08994	-0.16418	-0.16418
-0.0311	-0.06397	-0.04604	-0.06397	0.09111	-0.06397	-0.06397
-0.06263	-0.07076	-0.07226	-0.06263	-0.04778	0.02531	-0.06399
-0.26964	-0.03123	-0.20211	0.11794	0.07618	0.11794	0.11794
0.01273	0.0457	0.05657	-0.03477	-0.02719	-0.03477	-0.25961
0.13878	-0.13244	-0.1512	0.1066	0.06918	0.1019	0.1019
0.05972	0.10464	-0.09775	0.02616	0.02064	0.04823	-0.07128
0.11367	-0.10743	0.01967	-0.23842	0.05855	-0.23842	0.14804
0.00717	-0.26574	0.08327	-0.02066	-0.01637	-0.02066	-0.02066
-0.00915	-0.01402	-0.00678	-0.00734	0.01737	-0.08401	-0.03856
-0.02242	0.13122	0.16799	-0.0308	-0.03072	-0.0308	-0.0308
0.16478	0.00216	0.09795	-0.12829	0.02876	0.19697	-0.02448
-0.04045	0.01935	-0.01613	0.04122	0.03198	-0.0956	0.04122
-0.05389	0.05542	0.01005	0.07769	-0.07354	0.07769	0.11778
-0.09581	-0.00542	0.11356	0.01928	0.03807	0.01928	0.06328
-0.13998	-0.04124	-0.03235	0.09057	0.06349	0.09057	0.08263
0.07359	-0.0138	-0.10533	-0.0138	0.07353	-0.0459	-0.01048
0.03713	-0.0495	0.04103	0.14436	-0.096	-0.20542	-0.20542
0.09567	0.07261	0.03022	0.04285	0.03317	0.10127	0.04285
-0.07145	0.09718	-0.02601	-0.02601	-0.08218	-0.13465	-0.13465
0.10271	0.16185	0.05862	0.05862	0.04422	0.04607	0.11675
-0.00351	-0.01583	-0.00351	-0.00351	0.02502	0.03381	0.03381
-0.06721	0.01836	0.0154	0.06832	0.05055	0.06832	0.06832
-0.24484	-0.06847	-0.03727	0.11561	0.07524	0.11561	0.11561
-0.03496	0.08259	0.12852	-0.02582	-0.02038	-0.02582	-0.02582
-0.07703	0.0497	0.11989	-0.02537	-0.0008	-0.00407	-0.02537
0.19918	-0.05288	0.1008	-0.07314	0.05468	0.07502	-0.13756

0.13535	-0.09078	0.20135	-0.04345	-0.09967	-0.01306	-0.01306
0.11128	0.06061	-0.11846	0.13346	0.0818	0.13346	-0.01807
0.05193	0.03549	0.06053	0.05193	0.03964	0.05193	0.04515
0.05837	-0.13091	-0.13751	0.09193	-0.08866	0.09193	-0.00715
0.06871	-0.03665	0.08206	0.12189	0.07771	-0.05843	0.15095
-0.09366	-0.03436	0.03633	-0.03436	-0.02421	-0.03436	-0.03049
-0.04739	-0.16989	-0.06293	0.07539	0.01604	0.01887	0.01887
0.02531	0.09916	-0.10355	0.02531	0.07202	0.02531	0.07378
-0.10372	-0.04056	-0.1404	-0.1404	-0.08397	-0.1404	-0.1404
0.05733	-0.15893	0.00386	-0.15893	0.08003	0.12824	0.12824
-0.00569	-0.00276	-0.04877	0.01818	0.01443	0.11123	0.01818
-0.15837	0.01049	-0.08072	0.01661	0.07042	0.10454	-0.0958
-0.14703	0.17387	-0.14703	-0.14703	-0.08585	0.08758	-0.14703
0.01129	0.03917	0.12566	0.12566	0.07911	0.12566	0.00272
0.04006	-0.02745	0.05595	-0.20581	-0.09604	-0.20581	-0.20581
0.16082	0.02999	0.03713	0.0706	0.00633	0.0706	-0.01407
-0.09567	0.01356	0.09045	0.09045	0.06343	0.09045	-0.06173
0.00097	0.00097	-0.15981	0.00097	0.00078	-0.08538	0.00097
-0.02461	0.08093	0.05229	-0.02461	0.01332	-0.02461	-0.02461
-0.11707	0.25356	0.07991	-0.04077	-0.03165	0.03564	-0.04077
0.08606	-0.07624	-0.03339	-0.22006	-0.09722	0.00669	-0.22006
0.11502	-0.10557	0.13138	0.05616	0.04256	0.05616	0.05616
-0.02361	-0.06064	0.09704	0.02995	0.02354	-0.33334	0.02995
-0.26931	0.13697	0.02198	0.08593	-0.00866	0.08593	0.08593
-0.00946	-0.1299	-0.12355	0.04163	-0.06262	-0.08894	-0.08894
-0.05534	-0.17207	-0.01109	-0.11088	0.06243	-0.11088	-0.11088
-0.15859	0.10886	-0.04124	0.09028	0.0809	0.09028	-0.13275
0.05969	-0.04971	-0.06959	-0.06394	-0.04774	-0.06394	-0.06394
-0.02816	-0.08563	-0.06528	-0.12274	-0.06974	-0.20694	-0.02794
0.02786	0.06324	-0.17488	-0.05391	0.05454	0.07245	0.07478
-0.07465	-0.0008	0.10422	-0.02315	0.08703	0.15151	0.15151
0.03731	0.09799	0.03731	0.03731	0.02909	0.03731	0.03731
0.08163	0.0069	-0.09395	0.01508	0.01199	0.01508	-0.00428
-0.09227	-0.00163	0.03396	-0.0818	0.08183	-0.0818	-0.0818
-0.01045	0.00567	-0.09694	-0.08783	0.09786	0.2301	-0.005
-0.0152	-0.01638	0.12094	0.12212	0.05998	-0.24365	0.12212
0.07031	0.03201	-0.01395	0.07357	0.05381	0.07357	0.04358
-0.13613	-0.08975	-0.14811	0.03805	0.02964	-0.16095	0.087
0.18045	-0.12496	-0.17279	-0.12496	-0.05278	-0.12496	-0.12496
0.00806	-0.03584	0.09849	0.09849	0.06753	0.09849	0.09849
-0.03736	0.01453	-0.04722	-0.11822	-0.02889	-0.11822	-0.11822
-0.04447	-0.04324	0.02342	0.02527	0.01995	0.14237	0.17631
0.05768	-0.05995	0.15647	0.07673	-0.07134	0.1391	0.1606
0.02907	-0.07143	0.07686	-0.21343	-0.09672	0.08716	-0.21343
0.01803	0.08429	-0.00704	0.08823	0.06224	-0.03875	0.08823
0.15866	0.08082	-0.06297	0.18797	0.09398	-0.01706	0.18797
-0.07655	0.04925	0.00439	0.10385	0.0701	0.10385	0.10385
-0.03846	0.2412	-0.033	-0.03846	0.04562	-0.03846	-0.09542
-0.22295	0.14705	0.05945	-0.07197	0.08374	-0.1107	-0.01464
-0.06251	0.05512	-0.07153	-0.15593	-0.03912	0.03823	-0.04303
0.09496	0.12474	0.2073	0.04286	0.03318	0.04286	0.06099
0.11736	-0.12802	0.08637	-0.01776	-0.01409	-0.01776	-0.05418
-0.10761	-0.18395	-0.21556	-0.21556	-0.09689	-0.08007	-0.21556
-0.10484	0.11294	-0.20955	0.05723	0.04329	0.05723	-0.01929
-0.07757	-0.0741	0.09761	0.05117	0.03911	-0.07859	-0.21749

0.08014	0.08538	-0.04522	0.00286	0.00228	0.00286	0.00286
-0.00422	-0.10667	0.14117	0.14117	0.0842	0.1291	0.14117
0.16706	0.01446	-0.16448	0.038	0.02961	0.038	0.038
-0.03172	-0.1374	-0.00408	-0.03172	-0.00636	0.04395	-0.03172
0.02512	-0.0283	0.01087	-0.01147	0.0914	-0.09656	0.27388
-0.19972	0.06125	0.1374	0.06125	0.04598	-0.01947	0.06125
-0.13569	0.06545	0.04569	0.03498	-0.03545	0.28547	0.03498
0.13794	0.08128	-0.03	-0.02131	0.06841	-0.02131	-0.02131
-0.04826	-0.09501	0.18493	0.01936	0.01535	0.01936	0.01936
0.12645	0.25156	0.06243	-0.02256	-0.01785	-0.02256	-0.02256
-0.02208	0.00637	-0.09432	-0.03912	-0.08999	0.11726	-0.16444
0.06008	-0.04765	-0.11464	-0.15415	-0.08768	-0.00466	-0.15415
-0.05627	-0.1823	0.025	0.10364	-0.07613	-0.11782	-0.11782
-0.09901	-0.05591	-0.02418	0.06133	0.08086	0.06133	0.06133
0.08597	0.14137	-0.06805	0.00749	0.00597	0.00749	0.01725
-0.03488	-0.00727	-0.05634	0.1497	0.08656	0.1497	0.1497
0.0124	0.0477	-0.03963	-0.03963	-0.03081	-0.03963	-0.03963
0.0338	-0.0153	0.0678	-0.09853	-0.06501	0.00243	-0.09348
-0.0287	-0.09335	0.16211	-0.16418	-0.08994	-0.0346	-0.16418
0.00582	-0.14343	-0.10418	0.05969	-0.04776	-0.06397	-0.06397
-0.05586	-0.06654	-0.08898	0.06988	-0.04778	-0.06399	0.08059
-0.15761	-0.11799	0.04036	0.11794	0.03437	0.11794	0.11794
0.10738	-0.07832	-0.1434	0.10738	0.07171	0.10738	0.01893
0.1019	0.1019	-0.06009	0.1019	0.05064	-0.08641	0.1019
0.11632	0.04728	0.00314	0.02616	-0.00932	0.02616	0.02616
0.1812	-0.22179	-0.01651	-0.23842	-0.09829	0.03641	-0.23842
-0.01709	0.01883	-0.07138	-0.02066	-0.02386	-0.02066	-0.05349
-0.09332	0.05352	-0.00148	-0.03856	-0.03002	-0.03856	-0.03856
0.02904	-0.00454	-0.04335	-0.0308	-0.04815	-0.0308	-0.0308
-0.00472	0.10488	0.03153	-0.08087	-0.01506	-0.01899	-0.01899
-0.25392	0.08694	0.04122	0.04122	0.03198	0.04122	0.04122
0.05737	0.24734	0.08105	0.07769	0.05628	0.07769	0.07769
0.09174	0.06895	-0.2418	0.01928	0.01529	0.01928	0.01928
-0.05232	-0.04671	0.06056	0.09057	-0.0926	0.09057	0.09057
0.18651	-0.01463	0.01432	0.18651	0.09378	0.2894	0.05293
-0.20542	-0.20542	0.09654	-0.20542	0.06717	-0.20542	-0.20542
0.01467	0.14949	0.12062	-0.02144	0.0307	0.03948	0.03948
0.04194	0.03275	0.18064	0.09951	-0.08218	-0.13465	-0.13465
-0.06014	-0.08778	0.04965	0.05862	0.04422	0.06638	0.05862
0.1451	0.11956	0.02666	0.03381	0.02647	0.03728	0.03381
0.06832	0.05957	-0.03035	0.06832	0.05055	-0.05605	0.06832
0.02428	0.11561	0.05827	0.11561	0.07524	0.11561	0.11561
-0.02582	0.09012	-0.1627	-0.02582	-0.02038	-0.02582	-0.02582
0.08037	0.17408	-0.18418	-0.17983	-0.02003	-0.07958	-0.02537
0.06594	-0.00117	0.07502	0.07502	0.05468	0.07502	0.13606
-0.03187	-0.02185	0.09719	-0.01306	-0.01039	-0.01306	-0.01306
0.0904	0.00197	-0.06086	0.13346	0.0818	-0.12439	0.00661
0.00777	-0.03835	-0.09701	0.05193	0.03964	-0.09759	-0.08551
-0.14874	-0.06263	0.15433	0.09193	-0.01555	0.02376	0.09193
0.11873	0.0377	0.11661	0.11129	-0.02213	0.12189	0.12189
-0.12781	-0.07044	-0.1229	-0.03436	-0.08042	-0.03436	-0.03436
-0.20242	0.05158	-0.01498	5.4E-05	0.02339	-0.02455	-0.04516
0.16869	-0.17085	-0.039	0.07118	0.05234	-0.05057	0.07118
0.03272	0.0145	-0.00263	-0.1404	-0.08397	-0.1404	0.0564
-0.04175	-0.05056	0.00841	-0.0864	0.00519	0.00651	0.00651

0.03903	0.07596	-0.08187	-0.15651	0.09851	0.01818	0.01818
-0.08175	-0.11288	0.01302	-0.11288	0.07042	-0.001	0.10454
-0.14703	-0.10855	0.21264	-0.14703	-0.08585	-0.18004	-0.14703
-0.1096	-0.03035	0.08741	0.12566	0.07911	0.12566	0.12566
0.11922	0.00211	-0.14225	-0.05981	0.0175	0.02211	0.02211
-0.13051	0.12696	0.07112	0.07112	-0.02236	0.0706	0.0706
-0.03986	0.08179	0.00769	-0.0816	0.06343	-0.12163	0.09045
0.07677	-0.07723	-0.01784	0.00097	0.02368	0.00097	0.00097
-0.09718	0.08902	-0.00392	-0.02461	-0.01944	-0.02461	-0.02461
-0.17358	0.02276	-0.03628	0.04886	0.03749	-0.07727	0.04886
-0.02081	-0.02511	0.23025	-0.22006	-0.04813	-0.22006	-0.22006
0.14631	-0.18699	-0.19562	0.05616	-0.0663	0.05616	0.05616
0.01829	-0.04485	-0.10598	-0.10487	-0.07057	-0.10487	-0.10487
-0.0765	0.13559	0.02876	0.08593	0.06445	0.08593	0.08593
-0.08894	-0.08894	-0.08894	-0.08894	-0.06262	-0.08894	0.00302
-0.06636	-0.00938	0.06691	0.01003	-0.07325	-0.11088	-0.11088
0.02862	-0.09626	-0.09333	0.09028	0.06333	0.09028	0.09028
-0.16151	0.16662	-0.04466	-0.05074	-0.07968	-0.06394	-0.04445
0.01167	-0.11478	0.01843	-0.20694	-0.09615	-0.20694	-0.20694
-0.00797	0.06633	0.13372	-0.00019	0.05454	0.07478	0.07478
0.09004	0.04745	0.04994	-0.17764	0.08703	0.15151	0.15151
-0.02965	0.03164	0.08227	-0.01676	-0.04886	0.05289	-0.06566
0.06421	-0.06356	-0.05395	0.02647	0.02088	0.02647	0.07076
-0.03179	-0.10472	0.05351	-0.0818	-0.05867	-0.0818	-0.05351
-0.05955	-0.06212	0.15596	-0.06212	0.049	0.2301	0.2301
-0.01183	-0.02877	0.03973	0.12212	0.0778	0.23208	0.07865
-0.07374	0.10205	0.22409	0.00306	-0.06066	0.00306	0.00306
-0.04656	-0.08863	0.01883	0.03805	0.02964	0.03805	0.03805
0.0198	0.1801	0.11432	-0.12496	-0.07885	-0.12496	-0.12496
0.10256	-0.00447	-0.06654	0.09849	0.06753	0.09849	0.09849
0.06719	0.0563	0.00205	-0.11822	0.06842	-0.11822	-0.11822
-0.08643	0.02527	-0.0505	0.02527	0.03415	0.02527	0.02527
-0.10899	-0.12904	-0.13234	-0.13234	0.08358	0.1391	0.1391
0.00393	0.12729	-0.02149	-0.21343	-0.09672	-0.21343	-0.21343
0.02979	0.00138	-0.11151	0.08823	-0.01944	0.08823	0.08823
0.07706	0.07263	0.08428	0.18797	0.09398	-0.09673	0.18797
-0.01672	-0.20089	-0.14674	0.10385	0.0701	-0.01631	0.0369
0.18315	-0.07882	0.07395	0.25358	-0.07955	-0.03846	-0.03846
-0.13158	0.02148	-0.00129	0.13963	0.08374	0.13963	0.13963
0.12353	0.12885	0.03495	0.03823	0.02978	0.03823	-0.12039
0.12917	0.0369	-0.04509	-0.04509	-0.03479	-0.04509	-0.07469
0.04569	-0.0224	-0.23354	-0.01776	-0.01409	-0.01776	-0.09675
-0.21556	-0.06562	-0.03322	-0.21556	-0.09689	-0.21556	-0.21556
-0.02793	0.05723	0.07536	0.05723	0.04329	-0.07441	0.05723
-0.01124	0.086	0.05753	0.22445	0.06907	0.05117	0.00089
0.00286	0.04704	0.00286	0.00286	0.00228	0.00286	0.00286
-0.09408	0.16325	-0.08983	0.14117	0.0842	-0.06571	0.14117
0.08945	-0.07706	-0.11288	0.038	0.02961	0.038	0.038
0.00812	0.01695	0.16835	-0.03172	-0.02489	-0.03172	-0.03172
0.0369	0.00289	0.02629	0.11068	0.04719	-0.25169	-0.13895
-0.08386	-0.09573	0.14917	0.06125	0.04598	0.06125	0.06125
-0.12505	0.08111	-0.05983	-0.00735	0.02824	0.17222	0.03617
0.17226	-0.02131	0.11607	-0.02131	-0.01688	-0.02131	-0.02131
-0.16883	-0.21135	-0.02194	0.01936	0.01535	0.01936	0.01936
0.04179	-0.06075	-0.02594	0.07387	-0.01785	-0.02256	0.20829

0.02155	-0.16444	-0.14362	-0.16444	-0.08999	-0.16444	-0.16444
0.1305	-0.15415	0.02365	-0.15415	-0.08768	-0.15415	-0.15415
-0.16236	0.02956	-0.01186	0.14578	0.07398	-0.11782	-0.11782
0.05751	0.20179	-0.0714	0.06133	0.04603	0.06133	-0.1224
-0.03898	-0.14729	0.01035	0.01824	0.00597	0.00749	0.00749
-0.05767	-0.11894	0.09946	0.1497	0.08656	0.1497	-0.06644
0.1201	-0.02091	0.04994	-0.19506	-0.03081	-0.09977	0.02457
-0.05994	-0.03536	-0.16997	-0.05994	-0.04511	-0.03412	-0.05994
-0.08734	0.1628	-0.16521	0.00478	-0.08994	-0.16418	-0.00618
-0.02299	0.02411	0.03294	-0.06397	-0.0558	-0.06397	0.14898
0.07972	-0.13417	-0.13417	-0.13417	-0.08203	0.07533	-0.13417
0.15478	-0.13164	-0.07573	0.11794	0.07618	0.16784	-0.10197
-0.06384	0.09123	-0.02816	0.10738	0.0744	0.10738	0.10738
-0.03273	0.10967	-0.00562	-0.01286	0.09251	0.05439	0.1019
-0.00187	0.02651	0.08525	-0.11225	0.0319	0.02616	0.02616
-0.23842	-0.07712	0.08341	-0.23842	-0.09829	-0.23842	-0.05918
0.06271	-0.03082	0.11858	-0.02066	-0.01637	-0.02066	-0.02066
-0.21546	-0.06324	-0.12165	-0.03856	0.04631	-0.03856	-0.03856
-0.03032	0.19543	-0.02179	0.10681	-0.02419	-0.0308	0.12105
0.02729	-0.04205	0.25682	0.04136	0.03208	0.04136	0.03021
0.17998	0.07537	0.05824	0.04122	-0.01476	0.04122	0.04122
-0.15896	-0.10342	0.00228	0.07769	0.05628	0.0336	0.07769
-0.1238	0.03991	0.01928	0.01928	-0.04602	0.01928	0.01928
-0.07696	0.00458	0.09057	0.09057	-0.07026	0.11621	0.09057
-0.04336	-0.10538	-0.14409	0.18651	0.09378	0.18651	0.18651
0.10592	-0.01558	-0.0542	-0.20542	-0.02215	-0.20542	-0.20542
0.01969	-0.00302	-0.09233	0.03948	0.0307	-0.09113	0.03948
-0.13465	-0.13465	0.04223	-0.13465	-0.08218	-0.03112	-0.13465
-0.1918	-0.18443	0.20878	0.19017	0.04422	0.05862	0.05862
-0.14252	-0.02091	-0.20745	-0.07116	-0.05233	-0.07116	-0.07116
0.12011	-0.09049	0.06561	0.06832	0.05055	0.06832	0.06832
-0.00939	-0.16106	0.06758	0.11561	0.09643	-0.02193	0.11561
0.0172	-0.04905	-0.08843	-0.02926	-0.02447	-0.02582	-0.02582
0.04432	0.02915	-0.06534	0.0621	0.08526	0.17659	0.0621
-0.07146	0.15823	0.00685	0.07502	0.05468	0.07502	0.07502
0.11008	0.09265	0.11572	-0.01306	-0.01039	0.05675	-0.01306
0.09472	-0.03512	-0.00369	0.13346	0.07953	0.13346	0.13346
0.07548	0.08005	-0.02756	0.05193	0.00712	0.05193	0.05193
-0.04894	0.09193	-0.10368	0.09193	0.06421	0.09193	0.09193
-0.05817	0.06199	0.07513	0.07513	0.07771	0.12189	-0.22608
0.22193	-0.10579	-0.05079	-0.03436	-0.02689	-0.03436	-0.03436
0.13563	0.00748	-0.07878	0.02975	-0.00322	0.02975	0.02975
0.06645	0.35065	-0.14771	0.07118	0.04006	0.07118	0.09658
-0.01621	-0.08073	0.03025	-0.1404	0.01037	-0.1404	-0.12207
-0.12481	0.03957	0.01315	-0.04458	-0.0768	-0.00012	-0.11953
-0.02952	-0.09382	-0.01667	-0.09382	-0.06518	-0.09382	-0.09382
0.02991	0.1117	0.04034	-0.17597	-0.09215	0.14073	-0.17597
-0.09196	0.01365	0.0875	-0.01741	-0.01382	-0.01741	-0.15375
0.11745	-0.04319	-0.04401	0.09934	0.07911	-0.04021	0.12566
-0.18909	0.02211	-0.15144	0.02211	-0.03791	0.07532	0.02211
-0.08164	0.0666	0.13781	0.0706	0.05198	0.0706	0.0706
-0.03611	0.02919	0.11844	0.09045	0.06343	-0.18348	0.09045
-0.11714	-0.08117	-0.01026	0.00547	0.00078	0.00097	0.00097
0.22042	-0.15188	0.03589	-0.02461	-0.01944	-0.02461	-0.02461
0.16173	-0.01001	0.05535	0.04886	0.03749	0.04886	0.04886

0.04195	0.13104	-0.266	-0.22006	-0.09722	0.03467	-0.22006
0.01536	-0.03409	0.07599	0.02387	0.09053	0.01971	-0.06059
-0.03997	0.09508	-0.10487	-0.10487	-0.06736	-0.10487	-0.10487
0.08593	-0.12245	0.17785	0.08593	0.06098	0.08593	-0.10718
-0.09886	0.00375	0.04969	-0.23512	-0.06262	-0.08894	0.10193
-0.02508	0.18868	-0.03662	-0.02508	0.00215	-0.10306	0.07192
-0.15916	0.0818	0.09028	0.09028	0.06333	-0.06273	0.09028
0.01108	-0.21511	0.09136	-0.06394	-0.04774	-0.06394	0.01662
-0.00727	0.0243	-0.06345	0.03682	0.02996	-0.20694	-0.20694
0.06487	0.12796	-0.10978	0.07478	0.05454	0.0105	0.07478
-0.05678	-0.05958	-0.01906	0.11525	0.07509	0.11525	0.11525
0.03206	-0.09272	-0.10205	-0.06566	-0.04886	0.14296	-0.06566
-0.02296	-0.02447	-0.06837	0.02647	-0.04162	0.05653	0.02647
-0.1044	-0.06768	-0.00144	0.00604	-0.05867	-0.0818	-0.16852
0.08248	0.09505	-0.04981	0.2301	0.09786	0.2301	-0.02118
0.14522	-0.12032	0.07623	-0.03481	-0.08407	-0.01569	-0.0405
-0.14204	-0.21752	-0.0778	0.00306	-0.00435	-0.03692	0.00306
0.11325	0.02494	-0.02954	-0.07575	0.02964	0.03805	0.03805
-0.07207	0.2143	0.10996	-0.12496	-0.07885	-0.12496	-0.12496
0.0534	-0.03747	0.05075	0.09849	0.06753	0.09849	-0.00235
-0.01612	0.15371	-0.17809	-0.02349	0.0719	-0.19986	0.18567
-0.03902	0.05405	-0.05597	0.02527	0.01995	0.02527	0.02527
0.09018	-0.09604	-0.10085	-0.10085	0.08358	0.1391	0.1391
-0.06171	0.03162	-0.01755	0.16716	-0.07557	-0.21343	-0.21343
-0.01107	-0.06504	0.05279	0.08823	0.06224	0.08823	0.08823
-0.24774	-0.15841	-0.0909	0.18797	0.09398	0.18797	0.18797
-0.10178	0.00274	0.02119	0.10385	0.0701	0.10385	0.10385
0.0094	0.04773	-0.1166	0.04647	0.03579	0.04647	0.04647
0.03065	0.07364	0.08907	0.13963	0.08374	0.13963	0.04681
0.01877	-0.0209	0.00833	0.01688	0.0134	0.01688	-0.05924
0.03884	-0.05193	-0.04509	-0.04509	-0.02424	-0.04509	-0.04509
0.06743	0.12761	0.17354	-0.0121	0.02515	-0.01776	-0.12938
0.03301	-0.0123	0.0442	0.03301	0.02587	0.03301	-0.08961
-0.07304	-0.09093	-0.01906	-0.01906	-0.03835	0.00072	0.05723
0.23444	-0.07755	-0.13685	0.05117	0.03911	0.05117	-0.02025
-0.12978	-0.14858	-0.08743	0.00286	0.00228	0.00286	0.00286
0.10405	0.03456	-0.02987	0.14117	0.0842	0.02738	0.14117
-0.08441	-0.01998	0.23592	0.038	0.02961	0.038	0.038
-0.00293	0.03532	0.0987	0.03532	-0.06328	-0.13189	-0.03172
0.03788	0.25548	0.05138	-0.04942	-0.0155	-0.04942	0.00492
0.06475	-0.05387	0.02283	-0.12051	-0.07719	-0.12051	-0.12051
-0.20268	-0.10482	-0.02097	0.03617	-0.09275	0.03617	0.03617
-0.02426	0.07508	0.0822	-0.02131	0.04882	-0.02131	-0.1734
0.0019	0.01666	-0.11131	0.117	0.0758	0.117	0.117
-0.06073	-0.02256	-0.02256	-0.02256	-0.07374	-0.02256	0.01945
0.13482	-0.03208	-0.00669	-0.02648	-0.02088	-0.11752	-0.02648
0.02116	0.0095	0.05673	-0.11857	0.08675	-0.15415	-0.15415
-0.11325	0.12946	-0.0571	-0.11782	-0.05311	-0.11782	-0.11782
0.09399	-0.04993	-0.17345	0.06133	0.04603	-0.01076	0.06133
0.04186	0.11087	0.03472	0.00749	-0.00142	0.00749	0.00749
-0.03142	0.04034	-0.04043	0.31462	0.09983	0.31462	0.05558
0.06811	0.05872	-0.13995	-0.03963	-0.03081	-0.03963	-0.03963
-0.04733	-0.20693	0.15195	-0.05994	0.01933	-0.05994	-0.05994

